NOTICE TO CONTRACTORS,
PROPOSAL,
AGREEMENT, &
SPECIAL PROVISIONS

FOR CONSTRUCTION ON

Project No: 23-052

Geer Road Pavement Rehabilitation Phases 1, 2, and 3

FEDERAL PROJECT: RSTPL-5165(103)

IN STANISLAUS COUNTY,
TURLOCK, CALIFORNIA.

Municipal Services Department/ Roads Program

Contact Person: Fred Pezeshk, P.E.

William D. Morris, P.E., P.L.S.
City Engineer

REGISTERED PROFESSIONAL ENGINEER
WILLIAM D. MORRIS
No. 55910
CIVIL
STATE OF CALIFORNIA

Bid Release: **June 23, 2026**

Proposals shall be delivered to Turlock, California
at or before **2:00:00 pm local** on **July 28, 2026**
at the office of the City Engineer,
Municipal Services Department
156 S. Broadway, Suite 150
Turlock, CA 95380
Phone: 209-668-5520

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APPENDIX E: TITLE VI ASSURANCES
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CITY OF TURLOCK, CALIFORNIA
NOTICE TO CONTRACTORS

Sealed proposals will be received by the City Engineer of the City of Turlock, Municipal Services Department, 156 S. Broadway, Suite 150, Turlock, California 95380, until **2:00:00 pm local on July 28, 2026** for:

City Project No. 23-052
Geer Road Pavement Rehabilitation Phases 1, 2, and 3

In accordance with and as described and provided in the plans, specifications and the proposed form of contract therefore, all of which are on file in the office of the City Engineer, and to which special reference is hereby made.

No verbal, telegraphic, electronic mail, facsimile, or telephone Proposals shall be considered.

An optional Pre-Bid meeting will be held on Monday, July 13, 2026, 10:00 am at Turlock City Hall, 156 S. Broadway Turlock, CA 95380. The purpose of the pre-bid meeting is to provide a venue for bidders to view the site of work and ask questions of the designer and City staff. Proposals are required to be complete and for the entire work, materials and improvements unless the contrary is indicated in the specifications.

All questions shall be directed, in writing, to Fred Pezeshk at email address: fpezeshk@turlock.ca.us or at physical address:

Municipal Services Department
156 S. Broadway, Suite 150
Turlock, CA 95380

Questions regarding alleged patent ambiguity of the plans, specifications, or estimate must be **submitted in writing at least five (5) business days, not including City holidays, prior to bid opening.** After this time, the City will not consider these questions as bid protests.

INSPECTION OF SITE

Bidders are required to inspect the sites of the work to satisfy themselves by personal examination or by such other means, as they may prefer, of the locations of the proposed work and of the actual conditions at the project sites. Inspections shall be between the hours of 7:00 a.m. and 5:00 p.m. on weekdays only.

Submission of a bid by the bidder shall constitute acknowledgement that, if awarded the contract, the bidder has relied and is relying on their own examination of

(a) the sites of work,
(b) access to the sites and
(c) all other data and matters requisite to the fulfillment of the work and on their own knowledge of the facilities on and in the vicinity of the sites of the work to be constructed under the contract.

In accordance with the provisions of California Business and professions Code, Section 7028, the Contractor shall possess the following contractor license at the time of bid and for the duration of the contract.

1. A-General Engineering Contractor

All electrical work shall be performed by a contractor or subcontractor with a C-10 Electrical Contractor license.

Failure to possess the specified license(s) shall render the Bid as non-responsive, shall act as a bar to award of the contract to any Bidder not possessing said license(s) at the time of Bid opening and shall result in the forfeiture of the security of said Bidder. Furthermore, any Bidder or Contractor not so licensed shall be subject to all legal penalties imposed by law, including, but not limited to, any appropriate disciplinary action by the Contractor's License Board.

Each proposal must be accompanied by cash, cashier's check, or check certified by a responsible bank, or by a bid bond, the proposed form of which is on file in the office of the City Engineer of said City and to which special reference is hereby made in a sum not less than ten percent (10%) of the total amount bid, payable to the City of Turlock as liquidated damages in the case the bidder is awarded the contract and fails within ten (10) days after the date of mailing to him by the City Engineer of a notice of award of the contract and that the contract is ready for signature to execute the above-mentioned written contract and file with the City Engineer satisfactory insurance certificates as required by the terms of said contract and satisfactory bonds as required by law for the faithful performance of said contract and for the protection of material, men and laborers. Special reference is hereby made to Sections 5100, et. seq., of the Public Contracts Code of the State of California and to the proposed forms for said bonds now on file in the office of the said City Engineer for further particulars regarding bonds.

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the County Stanislaus in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wages are set forth in the General Prevailing Wage Rates for this project, available at 156 S. Broadway St, Turlock, CA 95380 and available from the California Department of Industrial Relations' Internet web site at http://www.dir.ca.gov/DLSR/PWD. The Federal minimum wage rates for this project as predetermined by the United States Secretary of Labor are set forth in the Bid book and in copies of this book that may be examined at the offices described above where project plans, special provisions, and bid forms may be seen. Addenda to modify the Federal minimum wage rates, if necessary, will be issued to holders of Bid book. Future effective general prevailing wage rates, which have been predetermined and are on file with the California Department of Industrial Relations are referenced but not printed in the general prevailing wage rates.

Attention is directed to the Federal minimum wage rate requirements in the Bid book. The federal wage rates can be found in APPENDIX C. If there is a difference between the minimum wage rates predetermined by the Secretary of Labor and the general prevailing wage rates determined by the Director of the California Department of Industrial Relations for similar classifications of labor, the Contractor and subcontractors shall pay not less than the higher wage rate. The Department will not accept lower State wage rates not specifically included in the Federal minimum wage determinations. This includes "helper" (or other classifications based on hours of experience) or any other classification not appearing in the Federal wage determinations. Where Federal wage determinations do not contain the State wage rate determination otherwise available for use by the Contractor and

subcontractors, the Contractor and subcontractors shall pay not less than the Federal minimum wage rate, which most closely approximates the duties of the employees in question.

Bidders' attention is directed to the insurance requirements in the contract. It is highly recommended that bidders confer with their respective insurance carriers or brokers to determine in advance of bid submission the availability of insurance certificates and endorsements prescribed and provided herein. If an apparent low bidder fails to comply strictly with the insurance requirements, that bidder may be disqualified from award of the contract.

No proposal will be considered unless made on forms furnished by the City Engineer of said City at his office of said City. Each proposal must be sealed, and the envelope containing the same must be addressed to the City Engineer of the City of Turlock and must be plainly marked. Each proposal shall clearly identify the bidders name and address on the sealed envelope.

Each bid shall separately state in figures the price offered for the approximate quantity of each item set forth and shall also state in words and figures the total contract price. Quantities set forth in the proposal form and in the specifications are approximate only, being given as a basis for comparison of bids, and the City of Turlock does not expressly or implied agree that the actual amount of work or materials will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work or materials as may be deemed necessary by the City Engineer.

Proposals may not be withdrawn for a period of sixty (60) days after the time fixed for opening of proposals. The City Council of the City of Turlock reserves the right to reject any and all proposals or any part thereof and to waive any errors or informalities in any proposals and to set and act as sole judge of the merit and qualifications of the equipment, supplies or services offered.

At the request and expense of Contractor, pursuant to Division 2, Part 5, Section 22300, et. seq., of the Public Contracts Code, securities equivalent to any funds withheld as retention from progress payments made under this contract may be deposited with the City of Turlock or with a State or Federally chartered bank as escrow agent, who shall pay such moneys to Contractor upon completion of the contract.

Copies of the Contract Documents, including Instructions to Bidders, Bid Proposal forms, Plans and Specifications, may be downloaded from the City's web site or purchased for a non-refundable fee of six hundred sixty-five dollars **($665)** at the Office of the City Engineer, 156 S. Broadway, Ste. 150, Turlock, CA 95380, Phone (209) 668-5520. For additional information, go to **http://www.cityofturlock.org/capitalprojects**

The City of Turlock requires that Contractors take affirmative steps to comply with Executive Orders 11625, 12432 and 12138, and 2CFR200 Every feasible opportunity for minority and women's business enterprises to participate in procedures for gaining contracts and subcontracts shall be provided by each responsible Bidder submitting a proposal.

The U.S. Department of Transportation (DOT) provides a toll-free "hotline" service to report bid rigging activities. Bid rigging activities can be reported Mondays through Fridays, between 8:00 a.m. and 5:00 p.m., Eastern Time, Telephone No. 1-800-424-9071. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report these activities. The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

No contractor or subcontractor may be listed on a bid proposal for a public works unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. No contractor or subcontractor may be awarded a contract for public work on a public works unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. The contractors and subcontractors must furnish electronic certified payroll records to the Labor Commissioner.

The contractor shall post job site notices prescribed by regulation. (*See* 8 Calif. Code Reg. §16451(d) for the notice that previously was required for projects monitored by the CMU.)

DATED: 06/23/2026 CITY OF TURLOCK

By: _____
William D. Morris, P.E., P.L.S.
City Engineer

PROPOSAL

Project No. 23-052

Geer Road Pavement Rehabilitation Phases 1, 2, and 3

City of Turlock, California

DATED:_____

To: The Honorable City Council of the City of Turlock, California:

NAME OF BIDDER:_____

BUSINESS ADDRESS:_____

PLACE OF RESIDENCE:_____

Bids are to be submitted for the entire work. The amount of the bid for comparison purposes will be the total of all items. The bidder shall set forth for each unit basis item of work a unit price and a total for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for that purpose.

In the case of unit basis items, the amount set forth under the "Item Total" column shall be the product of the unit price bid and the estimated quantity for the item. In case of discrepancy between the unit price and the total set forth for a unit basis item, the unit price shall prevail except as provided in (a) or (b), as follows:

(a) If the amount set forth as unit price is unreadable or otherwise unclear, or is omitted, or is the same as the amount as the entry in the item total column, then the amount set forth in the item total column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price;

(b) (Decimal Errors) If the product of the entered unit price and the estimated quantity is exactly off by a factor of ten, one hundred, etc., or one-tenth, or one-hundredth, etc. from the entered total, the discrepancy will be resolved by using the entered unit price or item total, whichever most closely approximates percentage wise the unit price or item total in the Department's Final Estimate of cost.

PROPOSAL SUBMITTAL CHECKLIST

The bidder shall provide a complete proposal in a sealed envelope before 2:00:00 pm local time on July 28, 2026 at the address shown on the cover sheet of these specifications.

FAILURE TO PROVIDE ALL THE REQUIRED DOCUMENTS LISTED IN THE TABLE BELOW MAY CAUSE THE PROPOSAL TO BE CONSIDERED NON-RESPONSIVE.

Complete Proposal **Page No.**

- ☐ PROPOSAL AND BIDDING FORM 5-19
- ☐ AFFIDAVIT 20
- ☐ INFORMATION REQUIRED OF BIDDER 21-22
- ☐ BIDDER'S BOND 23-24
- ☐ LIST OF SUBCONTRACTORS 25
- ☐ IRAN CONTRACTING ACT CERTIFICATION 26
- ☐ EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION 27
- ☐ PUBLIC CONTRACT CODE STATEMENTS 28-29
- ☐ NON-COLLUSION AFFIDAVIT* 30
- ☐ DEBARMENT AND SUSPENSION CERTIFICATION* 31
- ☐ NONLOBBYING CERTIFICATION FOR FEDERAL-AID CONTRACTS* 32
- ☐ DISCLOSURE OF LOBBYING ACTIVITIES* 33

* Signing the bid form constitutes acceptance and certification

The Successful Bidder shall submit within one week after receipt of Bids, one copy of all documentary information generated in preparation of Bid prices for this Project. This material is hereinafter referred to as "Escrow Bid Documents." The Escrow Bid Documents of the Successful Bidder will be held in escrow for the duration of the contract. See Special Provisions Section "Escrow Bid Documents."

In accordance with the annexed Notice to Contractors, the undersigned, as bidder, declares that he has carefully examined the location of the proposed work, the plans, specifications and technical requirements therefore, and the proposed forms of contract and bonds mentioned or referred to in said Notice and on file in the office of the City Engineer of the City of Turlock, together with the prevailing rate of per diem wages for each craft or type of workmen needed to execute said contract; and he proposes and agrees that if this proposal is accepted, he will furnish all labor, materials, equipment, plant transportation, service, sales taxes, permit fees and other costs necessary to complete the construction in strict conformity to the plans and specifications and he will enter into a written contract with the City of Turlock in the form of contract on file in the Office of the City Engineer for such purposes, and that he will execute and/or provide all bonds and insurance certificates required by law and/or by said contract and/or mentioned in said Notice to Contractors all in accordance with and subject to all applicable laws, and that he will take in full payment therefore the following unit prices, to wit:

BIDDING FORM

City of Turlock is hereinafter called the Owner.

BIDDER:_____

The work to be done and referred to herein is in City of Turlock and in Stanislaus County, State of California. It is shown on a set of Plans, entitled: Project No. 23-052 Geer Road Pavement Rehabilitation Phases 1, 2, and 3 and is to be constructed in accordance with the Project Specifications and contract documents attached hereto by reference.
In submitting this Bid, Bidder represents, as set forth in the Agreement, that:

A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents and the following Addenda, receipt of all which is hereby acknowledged.

Addendum No.	**Addendum Date**
_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site and became familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

The undersigned, as Bidder, declares that the only persons, or parties interested in this proposal as principals are those named herein, that this proposal is made without collusion with any other person, firm or corporation; that he has carefully examined the location of the proposed work, the Plans and Specifications referred to, the referenced proposed contract, and the Bidder proposes and agrees that, if this proposal is accepted, he will contract with the Owner to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the contract in the manner and time therein prescribed, and according to the requirements as therein set forth, and that he will take in full payment therefor the following unit prices as set forth in the Bid Schedule below.

CITY OF TURLOCK

Project No. 23-052
Geer Road Pavement Rehabilitation Phases 1, 2, and 3

BID SCHEDULE

Item	Final Pay Item (F)	Description	Quantity	Unit	Unit Price	Total
General						
1.		POTHOLE EXISTING UTILITIES	1	LS	$_____	$_____
2.		TRAFFIC CONTROL SYSTEM	1	LS	$_____	$_____
3.		PORTABLE CHANGEABLE MESSAGE SIGN	1	LS	$_____	$_____
4.		CONSTRUCTION FUNDING SIGNS	16	EA	$_____	$_____
5.		JOB SITE MANAGEMENT	1	LS	$_____	$_____
6.		LEAD AND HAZARDOUS MATERIALS COMPLIANCE PLAN	1	LS	$_____	$_____
7.		PREPARE STORM WATER POLLUTION PREVENTION PLAN	1	LS	$_____	$_____
8.		EROSION AND DUST CONTROL BMP'S	1	LS	$_____	$_____
9.		VIDEO SEWER AND STORM DRAIN	1	LS	$_____	$_____
10.		CONSTRUCTION STAKING	1	LS	$_____	$_____
11.		CLEARING AND GRUBBING	1	LS	$_____	$_____
12.		TRAINING	17000	HOURLY	$ 0.8	$ 13,600
13.		MONUMENT PRESERVATION	1	EA	$_____	$_____
14.		PLANTING PROTECTION DURING CONSTRUCTION	1	LS	$_____	$_____
Phase 1						
15.		REMOVE TREE	9	EA	$_____	$_____
16.		REMOVE FENCE	220	LF	$_____	$_____
17.		REMOVE GATE	4	EA	$_____	$_____
18.		REMOVE CONCRETE HEADWALL	1	EA	$_____	$_____

Item	Final Pay Item (F)	Description	Quantity	Unit	Unit Price	Total
19.		REMOVE STORM DRAIN PIPE	9	LF	$_____	$_____
20.		REMOVE DRAINAGE INLET	4	EA	$_____	$_____
21.		REMOVE ROADSIDE SIGN (ONE-POST)	3	EA	$_____	$_____
22.		REMOVE CONCRETE (CURB)	5230	LF	$_____	$_____
23.		REMOVE CONCRETE (CURB AND GUTTER)	2800	LF	$_____	$_____
24.		REMOVE CONCRETE (FLATWORK)	1800	SY	$_____	$_____
25.		COLD PLANING AC PAVEMENT	28400	SQYD	$_____	$_____
26.	(F)	ROADWAY EXCAVATION	2590	CY	$_____	$_____
27.		UNSUITABLE MATERIAL	240	CY	$_____	$_____
28.		DECOMPOSED GRANITE	260	SF	$_____	$_____
29.		AGGREGATE BASE CLASS 2	150	CY	$_____	$_____
30.		FULL DEPTH RECLAMATION CEMENT	18210	SQYD	$_____	$_____
31.		CEMENT (FULL DEPTH RECLAMATION-CEMENT)	535	TON	$_____	$_____
32.		MIX DESIGN	1	LS	$_____	$_____
33.		HOT MIX ASPHALT (TYPE A)	10080	TON	$_____	$_____
34.		SHALLOW UTILITY ALTERNATIVE PAVEMENT SECTION	8500	LF	$_____	$_____
35.		MINOR CONCRETE (CURB AND GUTTER)	2750	LF	$_____	$_____
36.		MINOR CONCRETE (RETAINING CURB)	190	LF	$_____	$_____
37.		MINOR CONCRETE (VERTICAL CURB)	2970	LF	$_____	$_____
38.		MINOR CONCRETE (LANDSCAPING MEDIAN CURB)	2130	LF	$_____	$_____
39.		MINOR CONCRETE (CURB RAMP)	2820	SF	$_____	$_____
40.		MINOR CONCRETE (SIDEWALK)	15450	SF	$_____	$_____
41.		MINOR CONCRETE (RESIDENTIAL DRIVEWAY)	1430	SF	$_____	$_____

Item	Final Pay Item (F)	Description	Quantity	Unit	Unit Price	Total
42.		MINOR CONCRETE (ALLEY/COMMERCIAL DRIVEWAY)	2410	SF	$_____	$_____
43.		MINOR CONCRETE (TEXTURED PAVEMENT)	2700	SF	$_____	$_____
44.		DETECTABLE WARNING SURFACE (TRUNCATED DOMES)	510	SF	$_____	$_____
45.		18" REINFORCED CONCRETE PIPE	59	LF	$_____	$_____
46.		INSTALL DRAINAGE INLET (SD-3)	4	EA	$_____	$_____
47.		ADJUST DRAINAGE INLET TO GRADE	7	EA	$_____	$_____
48.		ADJUST MANHOLE COVER TO GRADE (UTILITY)	15	EA	$_____	$_____
49.		ADJUST STORM DRAIN MANHOLE COVER TO GRADE	21	EA	$_____	$_____
50.		ADJUST UTILITY COVER TO GRADE	94	EA	$_____	$_____
51.		ADJUST UTILITY INTO TRAFFIC RATED BOXES	2	EA	$_____	$_____
52.		RESET POST (LICENSE PLATE READER)	1	EA	$_____	$_____
53.		INSTALL WOOD FENCE	90	LF	$_____	$_____
54.		INSTALL WOOD GATE	2	EA	$_____	$_____
55.		CHAIN LINK FENCE (TYPE CL-4)	110	LF	$_____	$_____
56.		CHAIN LINK GATE (TYPE CL-4)	3	EA	$_____	$_____
57.		ROADSIDE SIGN (ONE-POST)	51	EA	$_____	$_____
58.		RELOCATE ROADSIDE SIGN (ONE-POST)	6	EA	$_____	$_____
59.		PAINT CURB (2 COAT)	640	LF	$_____	$_____
60.		THERMOPLASTIC TRAFFIC STRIPE	21540	LF	$_____	$_____
61.		THERMOPLASTIC PAVEMENT MARKINGS	10170	SF	$_____	$_____
62.		THERMOPLASTIC PAVEMENT MARKING (GREEN METHYL METHACRYLATE)	390	SF	$_____	$_____
63.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/ GOLDEN STATE BLVD)	1	LS	$_____	$_____
64.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/CANAL DR)	1	LS	$_____	$_____

Item	Final Pay Item (F)	Description	Quantity	Unit	Unit Price	Total
65.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/HAWKEYE DR)	1	LS	$_____	$_____
66.		RECTANGULAR RAPID FLASHING BEACON SYSTEM (RRFB) (GEER RD/STARR AVE)	1	LS	$_____	$_____
67.		RECTANGULAR RAPID FLASHING BEACON SYSTEM (RRFB) (GEER RD/20TH CENTURY BLVD)	1	LS	$_____	$_____
68.		MODIFY STREET LIGHTING SYSTEM (GEER ROAD BETWEEN GOLDEN STATE BLVD AND CANAL DR)	1	LS	$_____	$_____
Phase 2						
69.		REMOVE BOLLARD	4	EA	$_____	$_____
70.		REMOVE TREE	27	EA	$_____	$_____
71.		REMOVE FENCE	120	LF	$_____	$_____
72.		REMOVE DRAINAGE INLET	1	EA	$_____	$_____
73.		REMOVE UTILITY BOX	2	EA	$_____	$_____
74.		REMOVE BACKFLOW PREVENTER	1	EA	$_____	$_____
75.		REMOVE ROADSIDE SIGN (ONE-POST)	4	EA	$_____	$_____
76.		REMOVE CONCRETE (CURB)	8760	LF	$_____	$_____
77.		REMOVE CONCRETE (CURB AND GUTTER)	4900	LF	$_____	$_____
78.		REMOVE CONCRETE (FLATWORK)	4620	SY	$_____	$_____
79.		COLD PLANING AC PAVEMENT	42130	SQYD	$_____	$_____
80.	(F)	ROADWAY EXCAVATION	3355	CY	$_____	$_____
81.		UNSUITABLE MATERIAL	195	CY	$_____	$_____
82.		AGGREGATE BASE CLASS 2	230	CY	$_____	$_____
83.		FULL DEPTH RECLAMATION CEMENT	34050	SQYD	$_____	$_____
84.		CEMENT (FULL DEPTH RECLAMATION-CEMENT)	1000	TON	$_____	$_____
85.		MIX DESIGN	1	LS	$_____	$_____

Item	Final Pay Item (F)	Description	Quantity	Unit	Unit Price	Total
86.		HOT MIX ASPHALT (TYPE A)	13140	TON	$_____	$_____
87.		SHALLOW UTILITY ALTERNATIVE PAVEMENT SECTION	12000	LF	$_____	$_____
88.		MINOR CONCRETE (CURB AND GUTTER)	4800	LF	$_____	$_____
89.		MINOR CONCRETE (RETAINING CURB)	70	LF	$_____	$_____
90.		MINOR CONCRETE (VERTICAL CURB)	5310	LF	$_____	$_____
91.		MINOR CONCRETE (LANDSCAPING MEDIAN CURB)	3580	LF	$_____	$_____
92.		MINOR CONCRETE (VALLEY GUTTER)	140	LF	$_____	$_____
93.		MINOR CONCRETE (CURB RAMP)	2730	SF	$_____	$_____
94.		MINOR CONCRETE (SIDEWALK)	33750	SF	$_____	$_____
95.		MINOR CONCRETE (RESIDENTIAL DRIVEWAY)	150	SF	$_____	$_____
96.		MINOR CONCRETE (ALLEY/COMMERCIAL DRIVEWAY)	6290	SF	$_____	$_____
97.		MINOR CONCRETE (TEXTURED PAVEMENT)	5040	SF	$_____	$_____
98.		MINOR CONCRETE (BUS TURNOUT)	1260	SF	$_____	$_____
99.		MINOR CONCRETE (MAILBOX PAD)	20	SF	$_____	$_____
100.		DETECTABLE WARNING SURFACE (TRUNCATED DOMES)	580	SF	$_____	$_____
101.		18" REINFORCED CONCRETE PIPE	10	LF	$_____	$_____
102.		INSTALL DRAINAGE INLET (SD-3)	1	EA	$_____	$_____
103.		ADJUST DRAINAGE INLET TO GRADE	12	EA	$_____	$_____
104.		ADJUST MANHOLE COVER TO GRADE (UTILITY)	21	EA	$_____	$_____
105.		ADJUST STORM DRAIN MANHOLE COVER TO GRADE	20	EA	$_____	$_____
106.		ADJUST UTILITY COVER TO GRADE	132	EA	$_____	$_____
107.		RELOCATE MAILBOX	1	EA	$_____	$_____
108.		VINYL FENCE	110	LF	$_____	$_____

Item	Final Pay Item (F)	Description	Quantity	Unit	Unit Price	Total
109.		ROADSIDE SIGN (ONE-POST)	43	EA	$_____	$_____
110.		RELOCATE ROADSIDE SIGN (ONE-POST)	8	EA	$_____	$_____
111.		RESET ROADSIDE SIGN (ONE-POST)	5	EA	$_____	$_____
112.		RESET BUS SHELTER	4	EA	$_____	$_____
113.		RESET TRASH RECEPTACLE	3	EA	$_____	$_____
114.		PAINT CURB (2 COAT)	850	LF	$_____	$_____
115.		THERMOPLASTIC TRAFFIC STRIPE	38000	LF	$_____	$_____
116.		THERMOPLASTIC PAVEMENT MARKINGS	9360	SF	$_____	$_____
117.		THERMOPLASTIC PAVEMENT MARKING (GREEN METHYL METHACRYLATE)	2240	SF	$_____	$_____
118.		CHECK AND TEST SCHOOL EXISTING IRRIGATION SYSTEM	1	LS	$_____	$_____
119.		MODIFY EXISTING SCHOOL IRRIGATION SYSTEM FOR NEW PLANTING	1	LS	$_____	$_____
120.		QUICK COUPLING VALVE ASSEMBLY	1	EA	$_____	$_____
121.		BALL VALVE ASSEMBLY	1	EA	$_____	$_____
122.		REMOTE CONTROL VALVE ASSEMBLY	2	EA	$_____	$_____
123.		IRRIGATION MAINLINE	56	LF	$_____	$_____
124.		LATERAL LINE	868	LF	$_____	$_____
125.		DEEP WATER BUBBLER ASSEMBLY	44	EA	$_____	$_____
126.		CONTROL WIRE AND CONDUIT	1	LS	$_____	$_____
127.		TREES, 36" BOX	22	EA	$_____	$_____
128.		LINEAR ROOT BARRIER	230	LF	$_____	$_____
129.		DARK BROWN RUBBER BARK MULCH - 3" THICK	83	CY	$_____	$_____
130.		SOIL AMENDMENT AND FERTILIZER	8400	SF	$_____	$_____

Item	Final Pay Item (F)	Description	Quantity	Unit	Unit Price	Total
131.		LANDSCAPE MAINTENANCE AND ESTABLISHMENT PERIOD, 365 DAYS	1	LS	$_____	$_____
132.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/NORTH AVE)	1	LS	$_____	$_____
133.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/PEDRAS AVE)	1	LS	$_____	$_____
134.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/TUOLUMNE RD)	1	LS	$_____	$_____
135.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/MINNESOTA AVE)	1	LS	$_____	$_____
Phase 3						
136.		REMOVE STORM DRAIN PIPE	13	LF	$_____	$_____
137.		REMOVE DRAINAGE INLET	1	EA	$_____	$_____
138.		REMOVE ROADSIDE SIGN (ONE-POST)	9	EA	$_____	$_____
139.		REMOVE CONCRETE (CURB)	3520	LF	$_____	$_____
140.		REMOVE CONCRETE (CURB AND GUTTER)	1060	LF	$_____	$_____
141.		REMOVE CONCRETE (FLATWORK)	870	SY	$_____	$_____
142.		COLD PLANING AC PAVEMENT	46640	SQYD	$_____	$_____
143.	(F)	SHOULDER BACKING	10	CY	$_____	$_____
144.	(F)	ROADWAY EXCAVATION	3710	CY	$_____	$_____
145.		UNSUITABLE MATERIAL	210	CY	$_____	$_____
146.		AGGREGATE BASE CLASS 2	3	CY	$_____	$_____
147.		FULL DEPTH RECLAMATION CEMENT	9750	SQYD	$_____	$_____
148.		CEMENT (FULL DEPTH RECLAMATION-CEMENT)	290	TON	$_____	$_____
149.		MIX DESIGN	1	LS	$_____	$_____
150.		HOT MIX ASPHALT (TYPE A)	17080	TON	$_____	$_____
151.		SHALLOW UTILITY ALTERNATIVE PAVEMENT SECTION	2000	LF	$_____	$_____
152.		MINOR CONCRETE (CURB AND GUTTER)	1080	LF	$_____	$_____

Item	Final Pay Item (F)	Description	Quantity	Unit	Unit Price	Total
153.		MINOR CONCRETE (RETAINING CURB)	60	LF	$_____	$_____
154.		MINOR CONCRETE (VERTICAL CURB)	4470	LF	$_____	$_____
155.		MINOR CONCRETE (MEDIAN THRU DRAIN)	380	LF	$_____	$_____
156.		MINOR CONCRETE (LANDSCAPING MEDIAN CURB)	5540	LF	$_____	$_____
157.		MINOR CONCRETE (CURB RAMP)	1580	SF	$_____	$_____
158.		MINOR CONCRETE (SIDEWALK)	5490	SF	$_____	$_____
159.		MINOR CONCRETE (ALLEY/COMMERCIAL DRIVEWAY)	1420	SF	$_____	$_____
160.		MINOR CONCRETE (TEXTURED PAVEMENT)	4780	SF	$_____	$_____
161.		DETECTABLE WARNING SURFACE (TRUNCATED DOMES)	710	SF	$_____	$_____
162.		18" REINFORCED CONCRETE PIPE	27	LF	$_____	$_____
163.		INSTALL DRAINAGE INLET (SD-3)	1	EA	$_____	$_____
164.		ADJUST DRAINAGE INLET TO GRADE	5	EA	$_____	$_____
165.		ADJUST MANHOLE COVER TO GRADE (UTILITY)	8	EA	$_____	$_____
166.		ADJUST STORM DRAIN MANHOLE COVER TO GRADE	15	EA	$_____	$_____
167.		ADJUST UTILITY COVER TO GRADE	67	EA	$_____	$_____
168.		ROADSIDE SIGN (ONE-POST)	25	EA	$_____	$_____
169.		RELOCATE ROADSIDE SIGN (ONE-POST)	2	EA	$_____	$_____
170.		RESET ROADSIDE SIGN (ONE-POST)	3	EA	$_____	$_____
171.		PAINT CURB (2 COAT)	480	LF	$_____	$_____
172.		THERMOPLASTIC TRAFFIC STRIPE	39600	LF	$_____	$_____
173.		THERMOPLASTIC PAVEMENT MARKINGS	12040	SF	$_____	$_____
174.		THERMOPLASTIC PAVEMENT MARKING (GREEN METHYL METHACRYLATE)	3330	SF	$_____	$_____
175.		IRRIGATION CONTROLLER, 8 STATION WITH PEDESTAL ENCLOSURE	3	EA	$_____	$_____

Item	Final Pay Item (F)	Description	Quantity	Unit	Unit Price	Total
176.		REDUCED PRESSURE BACKFLOW ASSEMBLY WITH ENCLOSURE	2	EA	$_____	$_____
177.		WATER METER, 1"	2	EA	$_____	$_____
178.		MASTER VALVE ASSEMBLY	3	EA	$_____	$_____
179.		FLOW SENSOR ASSEMBLY	3	EA	$_____	$_____
180.		QUICK COUPLING VALVE ASSEMBLY	9	EA	$_____	$_____
181.		BALL VALVE ASSEMBLY	6	EA	$_____	$_____
182.		REMOTE CONTROL VALVE ASSEMBLY	6	EA	$_____	$_____
183.		IRRIGATION MAINLINE	1740	LF	$_____	$_____
184.		LATERAL LINE	1672	LF	$_____	$_____
185.		IRRIGATION SLEEVE	1045	LF	$_____	$_____
186.		SPLICE BOX	6	EA	$_____	$_____
187.		DEEP WATER BUBBLER ASSEMBLY	130	EA	$_____	$_____
188.		CONTROL WIRE AND CONDUIT	1	LS	$_____	$_____
189.		TREES, 36" BOX	46	EA	$_____	$_____
190.		TREES, 24" BOX	21	EA	$_____	$_____
191.		LINEAR ROOT BARRIER	1580	LF	$_____	$_____
192.		DARK BROWN RUBBER BARK MULCH - 3" THICK	200	CY	$_____	$_____
193.		IMPORTED TOP SOIL - 12" DEEP	800	CY	$_____	$_____
194.		SOIL AMENDMENT AND FERTILIZER	21580	SF	$_____	$_____
195.		MAINTENANCE AND ESTABLISHMENT PERIOD, 365 DAYS	1	LS	$_____	$_____
196.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/MONTE VISTA AVE)	1	LS	$_____	$_____
197.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/CHRISTOFFERSON PKWY)	1	LS	$_____	$_____
198.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/SPRINGER DR)	1	LS	$_____	$_____

Item	Final Pay Item (F)	Description	Quantity	Unit	Unit Price	Total
199.		MODIFYING TRAFFIC SIGNAL SYSTEM (GEER RD/TAYLOR RD)	1	LS	$_____	$_____
200.		RECTANGULAR RAPID FLASHING BEACON SYSTEM (GEER RD/CALAVERAS WAY)	1	LS	$_____	$_____
201.		ELECTRICAL SERVICE FOR IRRIGATION (GEER RD/CALEVERAS WAY)	1	LS	$_____	$_____
202.		ELECTRICAL SERVICE FOR IRRIGATION (GEER RD NEAR CHRISTOFFERSON PKWY)	1	LS	$_____	$_____
203.		ELECTRICAL SERVICE FOR IRRIGATION (GEER RD NEAR SPRINGER DR)	1	LS	$_____	$_____
Phases 1, 2, and 3						
204.		MOBILIZATION (10%)	1	LS	$_____	$_____
					TOTAL BID	**$_____**

(F) denotes final pay item per Section 9-1.02C of the State Standard Specifications.

COMPANY'S NAME: _____

BY: _____

ADDRESS: _____
(Number) (Street)

_____
(City) (State) (ZIP)

CONTRACTOR'S PHONE #:_____

NOTE: CONTRACTOR WILL BE REQUIRED TO LIST THEIR LICENSE NUMBER, EXPIRATION DATE, AND APPROPRIATE STATEMENT REGARDING PERJURY AND SIGNED BY INDIVIDUAL AUTHORIZED TO DO SO. FAILURE TO INCLUDE THE ABOVE ITEMS MAY CAUSE SAID CONTRACTOR'S BID TO BE REJECTED.
A-General Engineering Contractor:

_____, Contractor's License #_____, Class__
(Company's Name)

Expires_____. DIR #:_____

This information is true, is provided as per Section 7028.15 of the Business and Professions Code, and is made herein under penalty of perjury.

X_____
(Bidder's Signature) (Date)

If the proposal is accepted and the undersigned shall fail to contract as aforesaid and fail to file with the City insurance certificates as required by said contract, within fourteen (14) days after the bidder has received notice from the City Engineer or his representative of the City of Turlock that the contract has been awarded to bidder and is ready for signature, the City of Turlock may, at its option, determine that the bidder has abandoned his contract, and thereupon this proposal and the acceptance thereof shall be null and void.

Also accompanying this proposal is an affidavit of non collusion and questionnaire to general contractors, a statement of proposed sub contractors, if any, the address of mill, shop or office of any sub contractor, and a statement of work to be performed by sub contractors.

The names and addresses of persons interested in the foregoing proposal as principals are as follows:

(**IMPORTANT NOTICE**: If bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a partnership, state true name of firm, also names of all individual co partners composing firm; if bidder or other interested person is an individual, state first and last name in full.)

Licensed in accordance with an act providing for the registration of Contractors,
License No._____Expiration Date_____.

DATED:_____, 20____

Address:_____

Phone:_____

X_____
Signature of Bidder

NOTE: If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of the officers authorized to sign contracts on behalf of the corporation; if bidder is a co partnership, the true name of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts in behalf of the co partnership; and, if bidder is an individual, his signature shall be placed above. If a signature is by an agent other than an officer of a corporation or a member of the partnership, a Power of Attorney must be on file with the City Clerk prior to opening or submitted with the bid; otherwise, the bid will be disregarded as irregular and unauthorized.

AFFIDAVIT

The undersigned bidder, being first duly sworn, deposes and says that he/she are the party making the foregoing proposal or bid, that this bid is genuine and not collusive or sham, that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any other person or bidder, to put in a sham bid, or that said other person shall refrain from bidding, and has not in any manner sought by collusion to secure any advantage against the said City or any person interested in said improvement, for him/herself or any other person.

X_____

Signature of Bidder

Jurat (Government Code Section 8202)

State of California

County of _____

Subscribed and sworn to (or affirmed) before me on this ____ day of _____, 20____

by _____ proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

(AFFIX SEAL)

_____

NOTARY PUBLIC SIGNATURE

_____

NOTARY PUBLIC PRINTED NAME

INFORMATION REQUIRED OF BIDDER

The bidder is required to provide the following information. Additional sheets may be attached if necessary.

Contractor's mailing address:_____

Contractor's telephone number:_____

Number of years experience as a contractor in construction work or installation work similar to that required in these specifications:

_____

Name of person who inspected the site of the proposed work for your firm:

_____

Date of Inspection:_____

List at least four projects completed as of recent date:

Project No. and Title: _____
Class and Type of Work: _____
Name, Address, and Phone No. of Owner _____
Registered Engineer in Charge of Project: _____
Total Contract amount: _____
Contract amount you performed: _____
Name of Prime Contractor if you were Sub: _____

Date Completed: _____
Liquidated Damages Assessed: _____

Project No. and Title: _____
Class and Type of Work: _____
Name, Address, and Phone No. of Owner _____
Registered Engineer in Charge of Project: _____
Total Contract amount: _____
Contract amount you performed: _____
Name of Prime Contractor if you were Sub: _____

Date Completed: _____
Liquidated Damages Assessed: _____

Project No. and Title: _____

Class and Type of Work: _____
Name, Address, and Phone No. of Owner _____
Registered Engineer in Charge of Project: _____
Total Contract amount: _____
Contract amount you performed: _____
Name of Prime Contractor if you were Sub: _____
Date Completed: _____
Liquidated Damages Assessed: _____

Project No. and Title: _____
Class and Type of Work: _____
Name, Address, and Phone No. of Owner _____
Registered Engineer in Charge of Project: _____
Total Contract amount: _____
Contract amount you performed: _____
Name of Prime Contractor if you were Sub: _____
Date Completed: _____
Liquidated Damages Assessed: _____

BIDDER'S BOND

KNOW ALL MEN BY THESE PRESENTS:
That we _____ as
BIDDER, and _____ as
SURETY a corporation duly organized under the laws of the State of _____
and duly licensed to become sole Surety on bonds required and authorized by the State of California, as SURETY, are held and firmly bound unto the City of Turlock, hereinafter called the City, in the penal sum of TEN PERCENT (10%) OF THE TOTAL AMOUNT OF THE BID of the Bidder above named, submitted by said Bidder to the City, for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents. In no case shall the liability of the Surety hereunder exceed the sum _____

_____
Dollars ($_____).

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, whereas the bidder has submitted the above-mentioned bid to the City for certain construction specifically described as follows for which bids are to be opened at Municipal Services Department, City Hall, 156 S. Broadway Suite 150, Turlock, California, on

_____, _____, 20___, at_____.
(day) (date) (time)
for

Project No. No. 23-052
Geer Road Pavement Rehabilitation Phases 1, 2, and 3

NOW, THEREFORE, if the aforesaid Bidder is awarded the contract and, within the time manner required under the specifications after the prescribed forms are presented to him for signature, enters into a written contract in the prescribed form in accordance with the bid, and files the two bonds with the City, one to guarantee faithful performance and the other to guarantee payment for labor and materials as required by law, then obligation shall be null and void; otherwise, it shall be and remain in full force and virtue.

In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such a suit, including a reasonable attorney's fee to be fixed by the court.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this _____day of _____, 202_.

BIDDER

_____**(SEAL)**
(Bidder's Name and Corporate Seal)

_____
(Signature)

_____
(Print Name and Title)

(ATTACH ACKNOWLEDGMENT OF BIDDER)

SURETY

_____**(SEAL)**
(Surety's Name and Corporate Seal)

_____
(Signature)

_____
(Print Name and Title)

(ATTACH ACKNOWLEDGMENT OF SURETY'S ATTORNEY-IN-FACT)

NOTE: ATTACH CERTIFIED COPY OF POWER OF ATTORNEY

SUB-CONTRACTORS

Project No. 23-052

Geer Road Pavement Rehabilitation Phases 1, 2, and 3

Prime Contractor:_____ DIR NUMBER:_____

Pursuant to California Public Contract Code §4100, the Bidder shall list each subcontractor who will perform Work or labor or who will render service to the prime Contractor in or about the construction of the Work or improvement, or a subcontractor duly licensed who, under subcontract to the prime Contractor, specially fabricates and installs a portion of the Work or improvement according to detailed Drawings contained in the Contract Documents, in an amount in excess of 1/2 of 1 percent of the prime Contractor's total Bid or, in the case of Bids or offers for the construction of streets or highways, including bridges, in excess of 1/2 of 1 percent of the prime Contractor's total Bid or $10,000, whichever is greater. After the opening of Bids, no changes or substitutions will be allowed except as otherwise provided by law. The listing of more than one subcontractor for each item of Work to be performed with the words "and/or" will not be permitted.

IF NO SUBCONTRACTORS WILL FURNISH WORK, THEN WRITE "NONE" BELOW IN THE SPACE PROVIDED.

NAME	LICENSE NUMBER	DIR NUMBER	ADDRESS	WORK ITEMS TO BE PERFORMED AND % OF ITEM

IRAN CONTRACTING ACT CERTIFICATION

Reference: Public Contract Code Section 2200 et seq.

As required by California Public Contract Code Section 2204, the Contractor certifies subject to penalty for perjury that the option checked below relating to the Contractor's status in regard to the Iran Contracting Act of 2010 (Public Contract Code Section 2200 et seq.) is true and correct:

☐ The Contractor is not:

(i) identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203; or

(ii) a financial institution that extends, for 45 days or more, credit in the amount of $20,000,000 or more to any other person or entity identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203, if that person or entity uses or will use the credit to provide goods or services in the energy sector in Iran.

☐ The City of Turlock has exempted the Contractor from the requirements of the Iran Contracting Act of 2010 after making a public finding that, absent the exemption, the City of Turlock will be unable to obtain the goods and/or services to be provided pursuant to the Contract.

☐ The amount of the Contract payable to the Contractor for the Project does not exceed $1,000,000.

Bidder's Signature: _____

Bidder's Name and Title: _____

Firm: _____

Date: _____

Note: In accordance with Public Contract Code Section 2205, false certification of this form shall be reported to the California Attorney General and may result in civil penalties equal to the greater of $250,000 or twice the Contract amount, termination of the Contract and/or ineligibility to bid on contracts for three years.

(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS PROPOSAL SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS PROPOSAL)

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

The bidder_____, proposed subcontractor _____, hereby certifies that he has ___ , has not ____, participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filling requirements.

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of $10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

Public Contract Code Section 10285.1 Statement

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has ___ , has not ___been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a check mark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

Public Contract Code Section 10162 Questionnaire

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes _____ No _____

If the answer is yes, explain the circumstances in the following space.

Public Contract Code 10232 Statement

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two-year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement and Questionnaire are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement and Questionnaire.
Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

NON-COLLUSION AFFIDAVIT
(Title 23 United States Code Section 112 and
Public Contract Code Section 7106)

To the CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT

In conformance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Note: The above Non-Collusion Affidavit is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Non-Collusion Affidavit. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

DEBARMENT AND SUSPENSION CERTIFICATION

TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29

The bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, manager:

- is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgement rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions.
The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

NONLOBBYING CERTIFICATION FOR FEDERAL-AID CONTRACTS

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(l) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in conformance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such subrecipients shall certify and disclose accordingly.

DISCLOSURE OF LOBBYING ACTIVITIES

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

1. Type of Federal Action:

☐ a. contract
b. grant
c. cooperative agreement
d. loan
e. loan guarantee
f. loan insurance

2. Status of Federal Action:

☐ a. bid/offer/application
b. initial award
c. post-award

3. Report Type:

☐ a. initial
b. material change

For Material Change Only:
year ____ quarter _____
date of last report_____

4. Name and Address of Reporting Entity

☐ Prime ☐ Subawardee
Tier _____, if known

Congressional District, if known

5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:

Congressional District, if known

6. Federal Department/Agency:

7. Federal Program Name/Description:

CFDA Number, if applicable _____

8. Federal Action Number, if known:

9. Award Amount, if known:

10. a. Name and Address of Lobby Entity
(If individual, last name, first name, MI)

b. Individuals Performing Services (including address if different from No. 10a)
(last name, first name, MI)

(attach Continuation Sheet(s) if necessary)

11. Amount of Payment (check all that apply)

$_____ ☐ actual ☐ planned

12. Form of Payment (check all that apply):

☐ a. cash
☐ b. in-kind; specify: nature _____
value _____

13. Type of Payment (check all that apply)

☐ a. retainer
☐ b. one-time fee
☐ c. commission
☐ d. contingent fee
☐ e deferred
☐ f. other, specify_____

14. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 11:

(attach Continuation Sheet(s) if necessary)

15. Continuation Sheet(s) attached: **Yes** ☐ **No** ☐

16. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Signature:_____

Print Name: _____

Title: _____

Telephone No.: _____ Date:_____

Federal Use Only:

Authorized for Local Reproduction
Standard Form - LLL

INSTRUCTIONS FOR COMPLETION OF SF-LLL,
DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of covered Federal action or a material change to previous filing pursuant to title 31 U.S.C. Section 1352. The filing of a form is required for such payment or agreement to make payment to lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress an officer or employee of Congress or an employee of a Member of Congress in connection with a covered Federal action. Attach a continuation sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence, the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the first tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in Item 4 checks "Subawardee", then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organization level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identification in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract grant. or loan award number, the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influenced the covered Federal action.
    (b) Enter the full names of the individual(s) performing services and include full address if different from 10 (a). Enter Last Name, First Name and Middle Initial (Ml).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.
14. Provide a specific and detailed description of the services that the lobbyist has performed or will be expected to perform and the date(s) of any services rendered. Include all preparatory and related activity not just time spent in actual contact with Federal officials. Identify the Federal officer(s) or employee(s) contacted or the officer(s) employee(s) or Member(s) of Congress that were contacted.
15. Check whether or not a continuation sheet(s) is attached.
16. The certifying official shall sign and date the form, print his/her name title and telephone number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503. SF-LLL-Instructions Rev. 06-04-90«EN

EXHIBIT 12-B: BIDDERS LIST OF SUBCONTRACTORS (DBE AND NON-DBE)

Exhibit 12-B: Bidder's List of Subcontractor (DBE and Non-DBE) - Part 1

As of March 1, 2015 Contractors (and sub-contractors) wishing to bid on public works contracts must be registered with the State Division of Industrial Relations and certified to bid on Public Works contracts. Please register at https://www.dir.ca.gov/Public-Works/Contractor-Registration.html. The local agency will verify registration of all contractors and subcontractors on public works projects at bid and thereafter annually to assure that yearly registration is maintained throughout the life of the project.

In accordance with Title 49, Section 26.11 of the Code of Federal Regulations, and Section 4104 of the Public Contract Code of the State of California, as amended, the following information is required for each sub-contractor who will perform work amounting to more than one half of one percent (0.5%) of the Total Base Bid or $10,000 (whichever is greater).

FEDERAL PROJECT NUMBER:

Photocopy this form for additional firms.

Subcontractor Name & Location	Line Item & Description	Subcontract Amount	Percentage of Bid Item Subcontracted	Contractor License Number / DIR Reg Number	DBE (Y/N)	DBE Cert Number	Annual Gross Receipts
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years

Distribution – Original: Local Agency File; Copy: DLAE w/Award Package

Exhibit 12-B: Bidder's List of Subcontractor (DBE and Non-DBE) - Part 2

In accordance with Title 49, Section 26 of the Code of Federal Regulations, the Bidder shall list all subcontractors who provided a quote or bid but **were not selected** to participate as a subcontractor on this project.

FEDERAL PROJECT NUMBER:

Photocopy this form for additional firms.

Subcontractor Name & Location	Line Item & Description	Subcontract Amount	Percentage of Bid Item Subcontracted	Contractor License Number / DIR Reg Number	DBE (Y/N)	DBE Cert Number	Annual Gross Receipts
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years
NAME City, State							< $1 million < $5 million < $10 million < $15 million Age of Firm in years

Distribution – Original: Local Agency File; Copy: DLAE w/Award Package



AGREEMENT

FOR ROADS PROGRAM PUBLIC IMPROVEMENT PROJECT

Project No. 23-052

Geer Road Pavement Rehabilitation Phases 1, 2, and 3

THIS PUBLIC IMPROVEMENT AGREEMENT (the "Agreement") is entered into by and between the CITY OF TURLOCK, a California municipal corporation ("City"), and _____, a _____ ("Contractor"), on this ____ day of _____ 20__ (the "Effective Date"). City and Contractor may be collectively referred to herein as the "Parties" or individually as "Party." There are no other parties to this Agreement.

RECITALS

A. City seeks a duly qualified and licensed firm experienced in the construction of _____ (the "Project").

B. The Project involves the expenditure of funds in excess of $5,000 and constitutes a "public project" pursuant to Public Contract Code section 20161.

C. Contractor has made a proposal to City to provide construction services, a copy of which is attached and incorporated hereto as **Exhibit A** (the "Services").

D. City has determined it is necessary and desirable to employ the services of Contractor to perform construction work on the Project.

E. City has taken appropriate proceedings to authorize construction of the Project and execution of this contract pursuant to Public Contract Code section 20160 et seq.; specifically, on _____, 20___, at a duly noticed meeting of the City Council of the City of Turlock, this contract for the construction of the improvements hereinafter described was awarded to Contractor as the lowest responsive and responsible bidder for said improvements.

NOW, THEREFORE, in consideration of the promises and covenants set forth below, the Parties agree as follows:

AGREEMENT

1. Contract Documents: This Agreement, together with the following documents, are collectively referred to herein as the "Contract Documents":

i. Notice to Bidders;
ii. Contractor's Bid or Proposal accepted by City;
iii. Special Provisions of the City of Turlock for Geer Road Pavement Rehabilitation Phases 1, 2, and 3
iv. Plans and detailed drawings prepared for this Project and approved by City ("Project Plans");
v. All bonds and insurance required by the Contract Documents;
vi. Any and all supplemental agreements amending, decreasing, or extending the work contemplated or which may be required to complete the work in a substantial and acceptable manner; and
vii. The current edition of the City of Turlock Standard Specifications and Drawings.

All of the Contract Documents are intended to incorporate the terms of the others so that any work called for in one and not mentioned in the other, or vice versa, is to be executed the same as if mentioned in all said documents. The documents comprising the complete contract will hereinafter be referred to as the "Contract." In case of any dispute regarding the terms of the Contract, the decision of the City Engineer shall be final.

2. Term. The Contract shall be effective as of the Effective Date first stated above. Contractor shall not commence work on the Project until it has been given notice by City ("Notice to Proceed"). The Contract shall terminate one (1) year(s) after City accepts Contractor's performance of the Services by recording a Notice of Completion with the County of Stanislaus Clerk Recorder (the "Term"), unless the Parties mutually agree in writing to terminate the Contract earlier or extend the Term in an agreed writing executed by both Parties.

3. Scope of Work.

(a) *Services.* Contractor shall perform the Services described in Exhibit A, subject to all terms and conditions in the Contract. Contractor shall not receive additional compensation for the performance of any Services not described therein.

(b) *Modification.* City, at any time, by written order, may make changes within the general scope of the work under this Agreement or issue additional instructions, require additional work or direct deletion of work. Contractor shall not proceed with any change involving an increase or decrease in the Contract Price, as defined in Section 4 of this Agreement, without prior written

authorization from City. Contractor shall not be entitled to compensation for the performance of any such unauthorized work. Contractor further waives any and all right or remedy by way of restitution or quantum meruit for any and all extra or changed work performed without express and prior written authorization of City. Notwithstanding the foregoing, Contractor shall promptly commence and diligently complete any change to the work subject to City's written authorization issued pursuant to this Section ; Contractor shall not be relieved or excused from its prompt commencement of diligent completion of any change subject to City's written authorization by virtue of the absence or inability of Contractor and City to agree upon the extent of any adjustment to the completion schedule or Contract Price on account of such change. The issuance of a change order pursuant to this Section 3 in connection with any change authorized by City shall not be deemed a condition precedent to Contractor's obligation to promptly commence and diligently complete any such change authorized by City hereunder. City's right to make changes shall not invalidate the Contract nor relieve Contractor of any liability or other obligations under the Contract. Any requirement of notice of changes in the scope of work to Contractor's surety shall be the responsibility of Contractor.

(c) *Specific Materials & Performance of Work.* Contractor shall furnish all tools, equipment, facilities, labor, and materials necessary to perform and complete, in good workmanlike manner, the work of general construction as called for and in the manner designated in, and in strict conformity with, the plans and specifications for said work entitled, **"Special Provisions for Project No. 23-052 Geer Road Pavement Rehabilitation Phases 1, 2, and 3."** The equipment, apparatus, facilities, labor, and material shall be furnished, and said work performed and completed as required by the Contract under the direction and supervision, and subject to the approval, of the City Engineer or City Engineer's designated agent.

(d) *Exhibits.* All "Exhibits" referred to below or attached hereto are, by this reference, incorporated into the Contract.

Exhibit Designation	Exhibit Title	
1.	Exhibit A	Scope of Services
2.	Exhibit B	Payment by Force Account
3.	Exhibit C	Workers' Compensation Insurance Certification
4.	Exhibit D	Performance Bond
5.	Exhibit E	Payment Bond

4. Contract Price. City shall pay, and Contractor shall accept in full payment for the work set forth above in Section 3, Scope of Work, an amount not to exceed _____ **Dollars ($_____.00)** (the "Contract Price"). Said amount shall be paid pursuant to Section 8 of this Agreement. The Contract Price may only be changed by a contract change order. The value of any work covered by a contract change order for an adjustment in the Contract Price will be determined in the sole discretion of City as follows:

(a) If the work performed is on the basis of unit prices contained in the Contract Documents, the change order will be determined in accordance with the provisions in Section 4-1.05, "Changes and Extra Work", of the Caltrans Standard Specifications, as applicable; or

(b) If the work performed is not included on the engineer's estimate associated with a unit price, the change order will be by a mutually agreed lump sum; or

(c) If the change order is not determined as described above in either subdivision (a) or (b), the change order will be determined on the basis of force account in accordance with the provisions set forth in **Exhibit B**, "Payment by Force Account," attached hereto and incorporated herein by reference.

5. Time for Performance. The time fixed for the commencement of work under the Contract is within ten (10) working days after the Notice to Proceed has been issued. The work on this project, including all punch list items, shall be completed on or before the expiration of **four hundred (400)** working days (the "Completion Date") beginning on the first day of work or no later than the tenth day after the Notice to Proceed has been issued.

(a) Right of City to Increase Working Days: If Contractor fails to complete the Services by the Completion Date, the City Engineer shall have the right to increase the number of working days in the amount the City Engineer may determine will best serve the interests of City, and if the City Engineer desires to increase said number of working days, the City Engineer shall have the further right to charge Contractor and deduct from the final payment for the work the actual cost of engineering, inspection, superintendence, and other overhead expenses which are directly chargeable to Contractor, and which accrue during the period of such extension, except that the cost of the final service and preparation of the final estimates shall not be included in such charges. No extension of time for completion of Services under the Contract shall be considered unless requested by Contractor at least twenty (20) calendar days prior to the Completion Date, in writing, to the City Engineer.

The Completion Date may only be changed by a contract change order. The value of any work covered by a contract change order for an adjustment in the Completion Date will be determined as follows:

i. Additional working days will be awarded where the amount of time is mutually agreed upon by Contractor and the City Engineer; or

ii. Additional working days will be awarded where Contractor is prevented from completing any part of the work identified on the critical path and:

1. where the delay is caused by acts of public enemy, fire, floods, tsunamis, earthquakes, epidemics, quarantine restrictions, strikes, labor disputes, shortage of materials and freight embargos, provided that Contractor shall notify Engineer in writing of the causes of delay within fifteen (15) days from the beginning of that delay; or

2. where the delay is caused by actions beyond the control of Contractor; or

3. where the delay is caused by actions or failure to act by the City Engineer.

Contractor shall not be entitled to an adjustment in the Completion Date for delays within the control of Contractor. Delays resulting from and within the control of a subcontractor or supplier of Contractor shall be deemed to be delays within the control of Contractor.

(b) Excusable Delays. Contractor shall not be in breach of the Contract in the event that performance of Services is temporarily interrupted or discontinued due to a "Force Majeure" event which is defined as: riots, wars, sabotage, civil disturbances, insurrections, or explosions; natural disasters, such as floods, earthquakes, landslides, and fires; strikes, lockouts, and other labor disturbances; or other catastrophic events, which are beyond the reasonable control of Contractor. Force Majeure does not include Contractor's financial inability to perform, Contractor's failure to obtain any necessary permits or licenses from other governmental agencies, or Contractor's failure to obtain the right to use the facilities of any public utility where such failure is due solely to the acts or omissions of Contractor. If Contractor's performance of the Services is delayed by an excusable delay, the Completion Date shall be extended for such reasonable time as determined by the City Engineer. Extensions in time must be requested by Contractor within fifteen (15) calendar days of the excusable delay in order to receive consideration.

(c) Emergency - Additional Time for Performance - Procurement of Materials. If, because of war or other declared national emergency, the federal or state government restricts, regulates, or controls the procurement and allocation of labor or materials, or both, and if solely because of said restrictions, regulations or controls, Contractor is, through no fault of Contractor, unable to perform the Services, or the work is thereby suspended or delayed, any of the following steps may be taken:

i. City may, pursuant to resolution of the City Council, grant Contractor additional time for the performance of the Contract, sufficient to compensate in time, for delay or suspension.

   To qualify for such extension in time, Contractor within ten (10) days of Contractor's discovering such inability to perform, shall notify the City Engineer in writing thereof, and give specific reasons therefore; the City Engineer shall thereupon have sixty (60) days within which to procure such needed materials or labor as is specified in this agreement, or permit substitution, or provide for changes in the work in accordance with subdivision (b) of this Section.

   Substituted materials, or changes in the work, or both, shall be ordered in writing by the City Engineer, and the concurrence of the City Council shall not be necessary. All reasonable expenses of such procurement incurred by the City Engineer shall be defrayed by the Contractor; or

ii. If such materials or labor cannot be procured through legitimate channels within sixty (60) days after the filing of the aforesaid notice, either Party may, upon thirty (30) days' written notice to the other, terminate this agreement. In such event, Contractor shall be compensated for all work executed upon a unit basis in proportion to the amount of the work completed, or upon a cost-plus-ten-percent (10%) basis, whichever is the lesser. Materials on the ground, in process of fabrication or in route upon the date of notice of termination specially ordered for the Project and which

cannot be utilized by Contractor, shall be compensated for by City at cost, including freight, provided Contractor shall take all steps possible to minimize this obligation; or

iii. The City Council, by resolution, may suspend the Contract until the cause of inability to perform is removed for a period of not to exceed sixty (60) days.

If the Contract is not canceled, and the inability of Contractor to perform continues without fault on Contractor's part, beyond the time during which the Contract may have been suspended, as herein above provided, the City Council may further suspend the Contract, or either Party hereto may, without incurring any liability, elect to declare the Contract terminated upon the ground of impossibility of performance. In the event City declares this agreement terminated, such declaration shall be authorized by the City Council by resolution, and Contractor shall be notified in writing thereof within five (5) days after the adoption of such resolution. Upon such termination, Contractor shall be entitled to proportionate compensation at the Contract Price for such portion of the Contract as may have been performed; or

iv. City may terminate the Contract, in which case Contractor shall be entitled to proportionate compensation at the agreed rate for such portion of the Contract as may have been performed. Such termination shall be authorized by resolution of the City Council. Notice thereof shall be forthwith given in writing to Contractor, and the Contract shall be terminated upon receipt by Contractor of such notice.

In the event of the termination provided in this sub-paragraph (iv), none of the covenants, conditions or provisions hereof shall apply to the Services not performed, and City shall be liable to Contractor for the proportionate compensation last herein mentioned.

(d) Delay Damages. In the event Contractor, for any reason, fails to perform the Services to the satisfaction of the City Engineer by the Completion Date, City may, in accordance with Section 7203 of the Public Contract Code, in lieu of any other of its rights authorized by Section 6 of this agreement, deduct from payments or credits due Contractor after such breach a sum equal to thirteen thousand two hundred **and no/100ths Dollars ($13,200.00)** for each calendar day beyond the Completion Date. This deduction shall not be considered a penalty but shall be considered as delay damages. The aforementioned rate of deduction is an amount agreed to by the Parties as reasonably representing additional construction engineering costs incurred by City if Contractor fails to complete the Services by the Completion Date. However, any deduction assessed as delay damages shall not relieve Contractor from liability for any damages or costs resulting from delays to other contractors on the project or other projects caused by a failure of the assessed Contractor to complete the Services by the Completion Date. Due account shall be taken of any time extensions granted to Contractor by City. Permitting Contractor to continue work beyond the Completion Date shall not operate as a waiver on the part of City of any of its rights under the Contract nor shall it relieve Contractor from liability for any damages or costs resulting from delays to other contractors on the project or other projects caused by a failure of the assessed Contractor to complete the Services by the Completion Date**.**

6. Termination.

(a) *Option of City to Terminate Contract for Failure to Complete Services.* If a Party should fail to perform any of its obligations hereunder within the time and in the manner herein provided, or otherwise violates any of the terms of the Contract (the "Defaulting Party"), the other Party shall give notice to the Defaulting Party and allow the Defaulting Party ten (10) days to correct such deficiency. If the Defaulting Party does not correct such deficiency, the other Party may immediately terminate the Contract by giving written notice of such termination, stating the reason for such termination. In such event, Contractor shall be entitled to receive payment for all Services satisfactorily rendered until such termination, provided, however, there shall be deducted from such amount the amount of damage, if any, sustained by virtue of any breach of the Contract by Contractor, including Delay Damages. If payment under the Contract is based upon a lump sum in total or by individual task, payment for Services satisfactorily rendered shall be an amount which bears the same ratio to the total fees specified in this Agreement as the Services satisfactorily rendered hereunder by Contractor to the total services otherwise required to be performed for such total fee, provided, however, that there shall be deducted from such amount the amount of damage, if any sustained by City by virtue of any breach of the Contract by Contractor. Upon termination, Contractor shall deliver copies of all Work Product, as defined in Section 19 of this Agreement, to City. If District terminates the Contract before Contractor commences any Services hereunder, City shall not be obligated to make any payment to Contractor.

(b) If Contractor should be adjudged bankrupt or if it should make a general assignment for the benefit of its creditors, or if a receiver should be appointed on account of its insolvency, or if it or any of its subcontractors should violate any of the provisions of the Contract, City may serve written notice upon it and its surety of its intention to terminate the Contract. Such notice shall contain the reasons for City's intention to terminate the Contract, and unless such violations shall cease within five (5) calendar days after serving of such notice, the Contract shall cease and terminate upon the expiration of said five (5) calendar days. In the event of any such termination, City shall immediately serve written notice thereof upon the surety and Contractor, and the surety shall have the right to take over and perform the Contract; provided however, that, if the surety does not give City written notice of its intention to take over and perform the Contract or does not commence performance thereof within thirty (30) calendar days from the date of the service of such notice, City may take over the work and prosecute the same to completion by contract or any other method it may deem advisable, for the account and at the expense of Contractor, and Contractor and its surety shall be jointly liable to City for any excess cost occasioned City thereby, and in such event City may, without liability for so doing, take possession of and utilize in completing the work, such materials, appliances, and other property belonging to Contractor as may be on the Project site and necessary thereof.

7. Liability for Breach: Neither Party waives the right to recover direct damages against the other for breach of the Contract, including any amount necessary to compensate City for all detriment proximately caused by Contractor's failure to perform its obligations hereunder or which in the ordinary course of things would be likely to result therefrom. City reserves the right to offset such damages against any payments owed to Contractor. City shall not, in any manner, be liable for special or consequential damages, including but not limited to Contractor's actual or projected lost profits had Contractor completed the Services required by the Contract. In the event of termination by either Party, copies of all finished or unfinished Work Product, as defined in Section 19 of this Agreement, shall become the property of City. Notwithstanding the foregoing, in no event shall City be liable, regardless of whether any claim is based on contract or tort, for any special, consequential, indirect or incidental damages, including, but not limited to, lost profits or revenue, arising out of or in connection with the Contract or the Services performed in connection with the Contract.

8. Compensation: City shall make payments to Contractor in accordance with the provisions of Section 9 of the City Standard Specifications in legally executed and regularly issued warrants of City, drawn on the appropriate fund or funds as required by law and order of the City Council thereof. Contractor shall be administered a progress payment approximately every thirty (30) calendar days from the time work begins according to the payment schedule furnished by the City Engineer at the time work begins. Contractor shall provide access at all reasonable times to all reports, contract records, contract documents, contract files, and personnel necessary to audit and verify Contractor's charges to City under this Contract.

Monthly progress payments in the amount of 95 percent (95%) of the value of the work will be made to Contractor based on the Contractor's estimate and the schedule of prices contained in the accepted bid. The remaining 5 percent (5%) will be retained by City as partial security for the fulfillment of the Contract except that at any time after 50 percent (50%) of the work has been completed, if the City Engineer finds that satisfactory progress is being made and the Project's critical path of work are on schedule, City may discontinue any further retention. Such discontinuance will only be made upon the written request of Contractor. City may, at any time the City Engineer finds that satisfactory progress is not being made, again institute retention of 5 percent (5%) as specified above. Payment will be made as soon as possible after the preparation of the Contractor's estimate. City shall pay the remaining 5 percent (5%) of the value of the Services completed under this Contract, if unencumbered by retentions for claims, not sooner than the expiration of thirty-five (35) calendar days from the date of recordation of the Notice of Completion, pursuant to Section 2 of this agreement, and not later than sixty (60) days from the "completion" of the Services as said term is defined in Public Contract Code section 7107(c).

No estimate or payment shall be made if, in the judgment of the City Engineer, the work is not proceeding in accordance with the provisions of the Contract, or when, in his judgment, the total value of the work done since the last estimate amounts to less than $1,000. No progress payments will be made if the time allotted for the job is thirty (30) working days or less. Payment of any progress payment, or the acceptance thereof by Contractor, shall not constitute acceptance of the work performed under this Contractor, or any portion thereof, and shall in no way reduce the liability of Contractor to replace unsatisfactory work or materials, though the unsatisfactory character of such work or materials may not have been apparent or detected at the time such payment was made.

Additionally, as a precondition to City's progress payments hereunder, Contractor shall provide to City, prior to payment, unconditional waivers and releases of stop notices pursuant to Civil Code section 8128 et seq. from each subcontractor and materials supplier. The form of said waivers and releases shall be as set forth in Civil Code section 3262(d)(2).

Pursuant to Public Contract Code section 22300 et seq., Contractor may request the right to substitute securities for any moneys withheld by City to ensure the performance required of Contractor under the Contract, or that City make payment of retentions earned directly into an escrow account established at the expense of Contractor.

9. Disputes Pertaining to Payment for Work: Should any dispute arise respecting the true value of any work performed, of any work omitted, or of any extra work which Contractor may be required to do, or respecting the size of any payment to Contractor during the performance of the Contract, such dispute shall be decided by the City Engineer, and the decision of the latter shall be final and conclusive. The Parties agree to comply with the claims resolution procedures set forth in Public Contract Code section 9204 when applicable.

(a) *Claims Processing.* Any submission of a claim by Contractor must comply with the requirements of Public Contract Code section 9204. Upon receipt of a claim pursuant to this section, City shall conduct a reasonable review of the claim and, within a period not to exceed forty-five (45) days, shall provide Contractor a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, the Parties may, by mutual agreement, extend the time period provided in this subdivision. Contractor shall furnish reasonable documentation to support the claim. Any payment due on an undisputed portion of the claim shall be processed and made within sixty (60) days after City issues its written statement. If Contractor disputes City's written response, or if City fails to respond to a claim issued pursuant to this section within the time prescribed, Contractor may demand in writing an informal conference to meet and confer for settlement of the issues in dispute.

(b) *Meet-and-Confer Conference.* Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, City shall schedule a meet-and-confer conference within thirty (30) days for settlement of the dispute. Within ten (10) business days following the conclusion of the meet-and-confer conference, if the claim or any portion of the claim remains in dispute, City shall provide the claimant a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within sixty (60) days after the City issues its written statement.

(c) *Nonbinding Mediation.* Any disputed portion of the claim, as identified by Contractor in writing, shall be submitted to nonbinding mediation, with the Parties sharing the associated costs equally. The Parties shall mutually agree to a mediator within ten (10) business days after the disputed portion of the claim has been identified in writing. If the Parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each Party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject judicial review pursuant to Section 23 of this Agreement.

Notwithstanding any claim, dispute, or other disagreement between the Parties regarding performance under the Contract, the scope of work hereunder, or any other matter arising out of or related to, in any manner, the Contract, Contractor shall proceed diligently with performance of the Services in accordance with City's written direction, pending any final determination or decision regarding any such claim, dispute, or disagreement.

10. Permits and Care of Work: Contractor shall, at Contractor's expense, obtain all necessary permits and licenses for the construction of each improvement, give all necessary notices and pay all fees and taxes required by law, except those City fees set forth in Section 1 of the Special Provisions. Contractor has examined the Project site and is familiar with its topography and condition, location of property lines, easements, building lines, and other physical factors and limitations affecting the performance of the Contract. Contractor, at Contractor's expense, shall obtain any permission necessary for any operations conducted off the property owned or controlled by City. Contractor shall be responsible for the proper care and protection of all materials delivered and work performed until completion and final acceptance.

11. Public Works and Payment of Prevailing Wage:

(a) *Monitoring and Enforcement.* In accordance with the provisions of Sections 1725.5, 1771.1, 1771.3, and 1771.4 of the Labor Code, all work performed under the Contract is subject to compliance monitoring and enforcement by the Department of Industrial Relations ("DIR"). All work performed by Contractor or its subcontractors under the Contract is subject to the requirements of Labor Code section 1720 et seq. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 of the Labor Code at the time the contract is awarded. Contractor and its subcontractors shall furnish the records specified in Section 1776 of the Labor Code directly to the Labor Commissioner, at least monthly, in the format prescribed by the Labor Commissioner.

In accordance with the provisions of Section 1773.3 of the Labor Code, City shall provide notice to DIR of the award of this Contract within thirty (30) working days of the award. The notice shall be transmitted electronically in a format specified by DIR and shall include the name of Contractor, any subcontractor listed on the successful bid, the bid and contract award dates, the contract amount, the estimated start and completion dates, Project location, and any additional information DIR specifies that aids in the administration and enforcement of Section 1720 et seq. of the Labor Code.

(b) *Wages & Hours of Employment*: In the performance of the Services under the Contract, eight (8) hours shall be the maximum hours of labor on any calendar day, and the minimum wages of compensation of persons performing labor in the execution of this agreement shall be the current prevailing scale of wages determined by DIR for the community. Contractor shall forfeit as penalty Twenty-five and no/100ths Dollars ($25.00) to be paid to City for each workman employed in the execution of the Contract by Contractor or its subcontractor(s), for each calendar day during which any workman is required or permitted to labor more than eight (8) hours, in violation of provisions of Labor Code section 1810 et seq. Contractor shall post prevailing wage rates at the

Project no later than the first day Contractor commences performance of the Services under the Contract.

12. Superintendence by Contractor: Contractor shall give personal superintendence to the work on the Project or have a competent foreman or superintendent satisfactory to the City Engineer on the Project at all times during construction and performance of work under the Contract, with authority to act for Contractor.

13. Inspection and Testing by City: Contractor shall at all times maintain proper facilities and provide safe access for inspection by City to all parts of the work performed on the Project and to the shops wherein the work is in preparation. Contractor shall notify City with sufficient time in advance of the manufacture of production materials to be supplied by Contractor under the Contract in order for City to arrange for mill or factory inspection and testing of same. Any materials shipped by Contractor from factory prior to having satisfactorily passed such testing and inspection by City's representative or prior to the receipt of notice from such representative that such testing and inspection will not be required shall not be incorporated on the Project. Contractor shall also furnish to City, in triplicate, certified copies of all factory and mill test reports upon request.

14. Conformity with Law and Safety: Contractor shall observe and comply with all applicable laws, ordinances, codes, and regulations of governmental agencies, including federal, state, municipal, and local governing bodies having jurisdiction over any or all of the scope of Services, including all provisions of the Occupational Safety and Health Act of 1979 as amended, all California Occupational Safety and Health Regulations, the California Building Code, the American with Disabilities Act, any copyright, patent, or trademark law, and all other applicable federal, state, municipal, and local safety regulations, appropriate trade association safety standards, and appropriate equipment manufacturer instructions. All Services performed by Contractor or its subcontractors must be in accordance with these laws, ordinances, codes, and regulations. Contractor's failure to comply with any laws, ordinances, codes, or regulations applicable to the performance of the Services hereunder shall constitute a breach of contract. In cases where standards conflict, the standard providing the highest degree of protection shall prevail.

If a death, serious personal injury or substantial property damage occurs in connection with the performance of the Contract, Contractor shall immediately notify City's risk manager by telephone. If any accident occurs in connection with the Contract, Contractor shall promptly submit a written report to City, in such form as City may require. This report shall include the following information: (a) name and address of the injured or deceased person(s); (b) name and address of Contractor's subcontractor, if any; (c) name and address of Contractor's liability insurance carrier; and (d) a detailed description of the accident, including whether any of City's equipment, tools, or materials were involved.

If a release of a hazardous material, substance, or waste occurs in connection with the performance of the Contract, Contractor shall immediately notify City. Contractor shall not store hazardous materials or hazardous waste within City limits without a proper permit from City.

14.1 Compliance with Federal Requirements. Contractor agrees to comply with all applicable federal statutes, regulations, and requirements, including but not limited to:

- 2 CFR Part 200 (Uniform Guidance) procurement and cost principles;
- Equal Employment Opportunity (41 CFR Part 60);
- Byrd Anti-Lobbying Amendment (31 U.S.C. § 1352);
- Debarment and Suspension (2 CFR Part 180).
- Caltrans Local Assistance Procedures Manual Exhibit 12-G

15. Other Contracts: City may award other contracts for additional work on the Project, and Contractor shall fully cooperate with such other contractors and carefully fit Contractor's own work to that provided under other contracts as may be directed by the City Engineer. Contractor shall not commit or permit any act which will interfere with the performance of work by any other contractor.

16. Bonds: Concurrently with the execution hereof, Contractor shall furnish, on the forms provided herein as **Exhibits D and E**, respectively, corporate surety bonds to the benefit of City, issued by a surety company acceptable to City and authorized and admitted to do business in the state of California, as follows:

(a) Faithful Performance Bond. In an amount equal to at least one hundred percent (100%) of the Contract Price as security for the faithful performance of the Contract. The bond shall contain a provision that the surety thereon waives the provisions of Sections 2819 and 2845 of the Civil Code

(b) Payment Bond. In an amount equal to at least one hundred percent (100%) of the Contract Price as security for the payment of all persons performing labor and furnishing materials in connection with the Contract. The bond shall be in accordance with the provisions of Sections 3225, 3226, and 3247 through 3252, inclusive, of the Civil Code and Section 13020 of the Unemployment Insurance Code of California. Said bond shall also contain a provision that the surety thereon waives the provisions of Sections 2819 and 2845 of the Civil Code.

The surety companies shall familiarize themselves with all provisions and conditions of the Contract. It is understood and agreed that the surety or sureties waive the right of special notification of any modification or alterations, omissions or reductions, extra or additional work, extensions of time, or any other act or acts by City or its authorized agents under the terms of this Contract and failure to so notify the surety or sureties of such changes shall in no way relieve the surety or sureties of their obligations under the Contract.

17. Indemnification:

(a) *Indemnity for Professional Liability*. When the law establishes a professional standard of care for Contractor's Services, to the fullest extent permitted by law, Contractor shall indemnify, protect, defend, and hold harmless City and any and all of its elective and appointive boards, officers, officials, agents, employees or volunteers ("City's Agents") from and against any and all losses, liabilities, damages, costs, and expenses, including legal counsel's fees and costs but only to the extent Contractor or its subcontractors are responsible for such damages, liabilities and costs on a

comparative basis of fault between Contractor or its subcontractors and City in the performance of professional services under the Contract. Contractor shall not be obligated to defend or indemnify City for City's own negligence or for the negligence of others.

(b) *Indemnity for other than Professional Liability.* Other than in the performance of professional services and to the full extent permitted by law, Contractor shall indemnify, defend, and hold harmless City and any and City's Agents from and against any liability, including liability for claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses or costs of any kind, whether actual, alleged or threatened, including legal counsel's fees and costs, court costs, interest, defense costs, and expert witness fees, where the same arise out of, are a consequence of, or are in any way attributable to, in whole or in part, the performance of the Contract by Contractor or by any individual or agency for which Contractor is legally liable, including, but not limited to, officers, agents, employees, or subcontractors of Contractor.

18. Contractor's Insurance: Concurrently with the execution hereof, Contractor shall furnish City with satisfactory proof of carriage of the insurance required under this section, and that Contractor shall give City at least thirty (30) days prior notice of the cancellation of any policy during the Term of this contract. Contractor shall not commence work under this Agreement until Contractor has obtained City's approval regarding all insurance requirements, forms, endorsements, amounts, and carrier ratings, nor shall Contractor allow any subcontractor to commence work on a subcontract until all similar insurance required of the subcontractor shall have been so obtained and approved. Contractor shall procure and maintain for the duration of the Contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Services hereunder by Contractor, its agents, representatives, employees or subcontractors. Failure to maintain or renew coverage or to provide evidence of renewal may constitute a material breach of the Contract. Any available insurance proceeds in excess of the specified minimum limits and coverage shall be available to City. The City of Turlock shall be named as a certificate holder

(a) *General Liability Insurance*. Contractor shall maintain commercial general liability insurance with coverage at least as broad as Insurance Services Office form CG 00 01, in an amount not less than Two Million Dollars ($2,000,000.00) per occurrence, Four Million Dollars ($4,000,000.00) general aggregate, and Two Million Dollars ($2,000,000.00) products and completed operations aggregate for bodily injury, personal injury, and property damage, including, without limitation, blanket contractual liability and coverage for explosion, collapse, and underground property damage hazards. The general aggregate limit shall apply separately to this Project or the general aggregate shall be doubled. Contractor's general liability policies shall be primary and not seek contribution from City's coverages and be endorsed using Insurance Services Office form CG 20 10 to provide that City and its officers, officials, employees, and agents shall be additional insureds under such policies. For construction contracts, an endorsement providing completed operations to the additional insured, ISO form CG 20 37, is also required. The policy shall contain, or be endorsed to contain, the following provisions:

(1) City, its elective and appointive boards, officers, agents, employees, and volunteers are to be covered as additional insureds with respect to liability arising out of work or operations performed by or on behalf of Contractor,

including materials, parts or equipment furnished in connection with such work or operations, which coverage shall be maintained in effect for at least three (3) years following the completion of the work specified in the Contract. General liability coverage can be provided in the form of an endorsement to Contractor's insurance (at least as broad as CG 20 10 for ongoing operations and CG 20 37 for products/completed operations for construction services), or as a separate Owners and Contractors Protective Liability policy providing both ongoing operations and completed operations coverage.

(2) For any claims related to the Project, Contractor's insurance coverage shall be primary insurance as respects City and any insurance or self-insurance maintained by City shall be excess of Contractor's insurance and shall not contribute with it.

(3) In the event of cancellation, non-renewal, or material change that reduces or restricts the insurance coverage afforded to City under the Contract, the insurer, broker/producer, or Contractor shall provide City with thirty (30) days' prior written notice of such cancellation, non-renewal, or material change

(4) Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under Subdivision (b) of Section 2782 of the Civil Code.

(b) *Workers' Compensation Insurance*. Contractor shall maintain Workers' Compensation Insurance (Statutory Limits) and Employer's Liability Insurance with limits of at least One Million Dollars ($1,000,000.00) each accident or disease. Contractor shall submit to City, along with the certificate of insurance, a Waiver of Subrogation endorsement in favor of City, its officers, agents, employees, and volunteers.

(c) *Commercial Automobile Liability*. Contractor shall maintain automobile liability insurance using ISO Business Auto Coverage form CA 00 01, or the exact equivalent, with a limit of no less than Two Million Dollars ($2,000,000.00) each accident for owned, leased, hired, non-owned, and borrowed automobiles. The policy shall provide and be endorsed that the City, its officials, officers, agents, employees, and volunteers are included or named as additional insureds. If Contractor owns no vehicles, this requirement may be met through a non-owned auto coverage or an endorsement to the CGL policy..

(d) *Builder's* Risk Insurance. Intentionally Omitted

(e) *Contractors Pollution Insurance*. Pollution Coverage shall be maintained on a Contractors Pollution Liability form, or other form acceptable to City, providing coverage for liability arising out of sudden, accidental, and gradual pollution and remediation. The policy limit shall be no less than Two Million Dollars ($2,000,000.00) per claim. All activities contemplated in the Contract shall be specifically scheduled on the policy as "covered operations." The policy shall provide

coverage for the hauling of waste from the Project site to the final disposal location, including non-owned disposal sites.

(f) Professional Liability Insurance. Contractor shall maintain professional liability insurance that insures against professional errors and omissions that may be made in performing the Services to be rendered in connection with the Contract, in the minimum amount of Two Million Dollars ($2,000,000.00) per claim and in the aggregate. Any policy inception date, continuity date, or retroactive date must be before the effective date of this Agreement, and Contractor agrees to maintain continuous coverage through a period no less than three (3) years after completion of the services required by the Contract.

(g) *Umbrella or Excess Policy.* Contractor may use Umbrella or Excess Policies to provide the liability limits as required in this agreement. This form of insurance will be acceptable provided that all of the Primary and Umbrella or Excess Policies shall provide all of the insurance coverages herein required. The Umbrella or Excess policies shall be provided on a true "following form" or broader coverage basis, with coverage at least as broad as provided on the underlying policies of insurance. No insurance policies maintained by the Additional Insureds, whether primary or excess, and which also apply to a loss covered hereunder, shall be called upon to contribute to a loss until the Contractor's primary and excess liability policies are exhausted..

(h) *Deductibles and Self-Insured Retentions*. Upon request of City, any deductibles or self-insured retentions must be declared to and approved by City. At the option of City, either: (1) the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects City and City's Agents; or (2) Contractor shall provide a financial guarantee satisfactory to City guaranteeing payment of losses and related investigations, claim administration, and defense expenses..

(i) *Acceptability of Insurers*. Insurance is to be placed with insurers admitted in California with a current A.M. Best's rating of no less than A-:VII or with an insurer to which City has provided prior approval.

(j) *Verification of Coverage*. Contractor shall furnish City with original certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this Section 18. All certificates and endorsements are to be received and approved by City before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive Contractor's obligation to provide them. City reserves the right, at any time, to require complete, certified copies of all required insurance policies and endorsements.

(k) *Waiver of Subrogation*. With the exception of professional liability, Contractor hereby agrees to waive subrogation which any insurer of Contractor may acquire from Contractor by virtue of the payment of any loss. The commercial general liability policy, automobile liability policy, and workers' compensation policy shall be endorsed to contain a waiver of subrogation in favor of City for all work performed by Contractor, its agents, employees, independent contractors and subcontractors. Contractor shall provide written proof of waiver of subrogation in the Certificate of Insurance. Additionally, Contractor agrees to obtain any available endorsements that may be necessary to effectuate this waiver of subrogation.

(l) *Subcontractors*. Contractor shall ensure all subcontractors furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein..

19. Ownership of Work Product: Any and all work, artwork, copy, posters, billboards, photographs, videotapes, audiotapes, systems designs, software, reports, designs, specifications, drawings, diagrams, surveys, source codes, professional or technical information or data, photographs, notes, letters, emails, or any original works of authorship created by contractor or its subcontractors or subcontractors in connection with Services performed under the Contract ("Work Product") shall be works for hire as defined under Title 17 of the United States Code, and all copyrights in such works are the property of City. In the event that it is ever determined that any Work Product created by Contractor or its subcontractors or subcontractors under the Contract are not works for hire under U.S. law, Contractor hereby assigns all copyrights to such Work Product to City. With the prior written approval of the City Engineer, Contractor may retain and use copies of such Work Product for reference and as documentation of its experience and capabilities.

All Work Product shall become the property of City irrespective of where located or stored and Contractor agrees to deliver all such documents and information to City, without charge and in whatever form it exists, upon the Completion Date, as may be extended. Contractor shall have no ownership interest in such Work Product.

All Work Product of Contractor under the Contract, including written information which City will cause to be distributed for either internal or public circulation, including both preliminary and final drafts, shall be delivered to City in both printed and electronic form, or as may be specific in Exhibit A.

When the Contract is terminated, Contractor agrees to return to City all documents, drawings, photographs, and other written or graphic material, however produced, that it received from City or City's Agents, in connection with the performance of its Services under the Contract. All materials shall be returned in the same condition as received.

20. Taxes: Payment of any taxes, including California sales and use taxes, levied upon the Contract, the transaction, or the Services or goods delivered pursuant hereto, shall be the obligation of Contractor. Contractor shall cooperate with City to the full extent possible to maximize the local allocation of California sales and use tax to City. Such cooperation shall include, but not be limited to:

(a) *Use Tax Direct Payment Permits.* Contractor shall apply for, obtain, and utilize, to the maximum extent reasonable, a California Use Tax Direct Payment Permit.

(b) *Purchases of $500,000 or More.* Contractor shall require vendors and suppliers located outside California from whom Contractor makes purchases of $500,000 or more to allocate the use tax to City.

21. Independent Contractor: At all times during the Term of the Contract, Contractor shall be deemed to be an independent contractor and shall be wholly responsible for the manner in which Contractor performs the Services required under the Contract. Contractor shall be liable for its acts

and omissions, and those of its employees, contractors, subcontractors, representatives, volunteers, and its agents. Nothing contained herein shall be construed as creating an employment, agency, or partnership relationship between City and Contractor. City shall have the right to control Contractor only insofar as the result of Contractor's Services rendered pursuant to the Contract; however, City shall not have the right to control the means by which Contractor accomplishes Services rendered pursuant to the Contract.

22. Contractor Not Agent: Except as City may specify in writing, Contractor shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent. Contractor shall have no authority, express or implied, pursuant to the Contract to bind City to any obligation whatsoever.

23. Arbitration of Disputes: All claims, disputes, and other matters in question between City and Contractor arising out of, or relating to, this Contract or the breach thereof, including claims of Contractor for extra compensation of Services related to the project, shall be decided by arbitration before a single arbitrator in accordance with the provisions of Sections 1281 through 1284.2 of the Code of Civil Procedure (the "Arbitration Laws") unless the Parties mutually agree otherwise. The provisions of Section 1283.05 of the Arbitration Laws apply to any arbitration proceeding except as otherwise provided in the Contract. The arbitrator shall have authority to decide all issues between the Parties including, but not limited to, claims for extras, delay, and liquidated damages, if any, provided for the Contract, matters involving defects in the Services performed by Contractor or its subcontractors, rights to payment, and whether the necessary procedures for arbitration have been followed. The award rendered by the arbitrator shall be final and judgment may be entered upon it in accordance with applicable law in any court having competent jurisdiction thereof.

Notice of the demand for arbitration shall be filed in writing with the other Party. The demand for arbitration shall be made within a reasonable time after the claim, dispute, or other matter in question has arisen, and in no event shall it be made after the date when institution of legal or equitable proceedings based on such claim, dispute, or other matter in question would be barred by the applicable statute of limitations.

The parties shall jointly appoint an arbitrator within fifteen (15) calendar days of the date of giving the notice of the demand for arbitration. If the Parties are unable to jointly agree upon the appointment of an arbitrator within said fifteen (15) calendar day period, and do not agree in writing to extend said period for a fixed period, then either Party may seek to have the arbitrator appointed by the Superior Court of Stanislaus County in accordance with the Arbitration Laws.

If any proceeding is brought to contest the right to arbitrate and it is determined that such right exists, the losing Party shall pay all costs and attorney's fees incurred by the prevailing Party.

In addition to the other rules of law which may be applicable to any arbitration hereunder, the following shall apply:

(a) Promptly upon the filing of the arbitration, each Party shall be required to set forth in writing and to serve upon each other Party a detailed statement of its contentions of fact and law

(b) All Parties to the arbitration shall be entitled to the discovery procedures provided under Section 1283.05 of the California Code of Civil Procedure.

(c) The arbitration shall be commenced and conducted as expeditiously as possible consistent with affording reasonable discovery as provided herein.

(d) These additional rules shall be implemented and applied by the arbitrator.

The costs of arbitration shall be borne by the Parties as determined by the arbitrator, but each Party shall bear its own attorney's fees associated with the dispute with the other Party and to the arbitration.

All administrative remedies required under Section 9 of this Agreement or pursuant to Public Contract Code section 9204, or required by any other law, shall be exhausted prior to commencement of any arbitration under this Section 23.

24. Provisions Cumulative: The provisions of the Contract are cumulative, and in addition to and not in limitation of, any other rights or remedies available to City.

25. Notices: All notices shall be in writing and delivered in person or transmitted by certified mail, postage prepaid. Any Party hereto may at any time, by giving ten (10) days' written notice to the other Party hereto, designate any other address in substitution of the address to which such notice or communication shall be given. Such notices or communications shall be given to the Parties at their addresses set forth below.

If to City:	**City of Turlock** **Attn: Christopher Fisher, Municipal Services Director** **156 S. Broadway, Suite 150** **Turlock, CA 95380-5461**
With courtesy copies to:	**City of Turlock, City Attorney's Office** **Attn: Katie O. Lucchesi, City Attorney** **156 S. Broadway, Suite 230** **Turlock, CA 95380-5456**
If to Contractor:	_____ _____ _____
If to Contractor's Sureties:	_____ _____ _____ _____

26. City Contract Administrator: The City's contract administrator and contact person for this Agreement is:

Fred Pezeshk, PE
City of Turlock, Roads Program Manager
156 S. Broadway, Suite 150
Turlock, California 95380-5461
Telephone: (209) 668-5520
E-mail: fpezeshk@turlock.ca.us

27. Interpretation: As used herein, any gender includes each other gender, the singular includes the plural and vice versa..

28. Antitrust Claims: Contractor or its subcontractors offer and agree to assign to City all rights, title, and interest to any causes of action under Section Four of the Clayton Act and the Cartwright Act concerning antitrust claims.

29. Use of City Project Number: Contractor or its subcontractors agree to use the aforementioned City project number on all maps, drawings, submittals, billing, and written correspondence that involve City staff or contracted consultants. Nothing in this section shall preclude Contractor or its subcontractors from using their own project numbers for their own internal use.

30. No Conflict of Interest: Contractor represents that no conflict of interest will be created under state or federal law by entering into or in carrying out the Contract.

31. Confidentiality: Contractor understands and agrees that, in the performance of Services under the Contract, or in the contemplation thereof, Contractor may have access to private or confidential information that may be owned or controlled by City and that such information may contain proprietary or confidential details, the disclosure of which to third parties may be damaging to City ("Confidential Information"). Contractor shall not, either during or after the Term, disclose to any third party any Confidential Information without the prior written consent of City. If City gives Contractor written authorization to make any such disclosure, Contractor shall do so only within the limits and to the extent of that authorization. Contractor may be directed or advised by the City Attorney on various matters relating to the performance of Services on the Project or on other matters pertaining to the Project, and in such event, Contractor agrees that it will treat all communications between itself, its employees, and its subcontracts as being communications which are within the attorney-client privilege.

32. Modification. No alteration, amendment, modification, or termination of the Contract shall be valid unless made in writing and executed by all Parties to the Contract.

33. Waiver: No covenant, term, or condition or the breach thereof shall be deemed waived, except by written consent of the Party against whom the waiver is claimed, and any waiver of the

breach of any covenant, term, or condition shall not be deemed to be a waiver of any preceding or succeeding breach of the same or any other covenant, term, or condition.

34. Assignment: No Party to the Contract shall assign, transfer, or otherwise dispose of this Agreement in whole or in party to any individual, firm, or corporation without the prior written consent of the other Party. Subject to the foregoing provisions, the Contract shall be binding upon, and inure to the benefit of, the respective successors and assigns of the Parties hereto.

35. Authority: All Parties to this Agreement warrant and represent that they have the power and authority to enter into this Agreement and the names, titles, and capacities herein stated on behalf of any entities, persons, states, or firms represented or purported to be represented by such entities, person, states, or firms and that all former requirements necessary or required by state or federal law in order to enter into the Contract have been fully complied with. Further, by entering into this Agreement, neither Party hereto shall have breached the terms or conditions of any other contract or agreement to which such Party is obligated, which such breach would have a material effect hereon.

36. Governing Law: The Contract shall be governed and construed in accordance with the laws of the state of California.

37. Severability: If the Contract in its entirety is determined by an arbitrator or a court of competent jurisdiction to be invalid or unenforceable, the Contract shall automatically terminate as of the date of final entry of judgment. If any provision of the Contract shall be determined to be invalid and unenforceable, or if any provision of the Contract is rendered invalid or unenforceable according the terms of any federal or state statute, which becomes effective after the Effective Date of this Agreement, the remaining provisions shall continue in full force and effect and shall be construed to give effect to the intent of this Agreement.

38. Execution and Counterparts: This Agreement may be executed simultaneously and, in several counterparts, each of which shall be deemed an original but together shall constitute one and the same instrument. The parties agree that this Agreement and any other documents to be delivered in connection herewith may be electronically signed utilizing services such as DocuSign and Nitro Sign, or by transmitting signatures in pdf or similar format, and that any electronic signatures appearing on this Agreement or such other documents are the same as handwritten signature for the purposes of validity, enforceability, and admissibility.

39. Mandatory and Permissive: "Shall" and "will" and "agrees" are mandatory. "May" and "can" are permissive.

40. Headings: Headings used in this Agreement are for reference purposes only and shall not be considered in construing this Agreement.

41. Attorney's Fees and Costs: Except as expressly provided for in Section 23 of this Agreement, if any action at law or in equity, including action for declaratory relief, is brought to enforce or interpret the provisions of the Contract, the prevailing Party shall be entitled to reasonable attorney's fees and costs, which may be set by the court in the same action or in a separate action brought for that purpose, in addition to any other relief to which such Party may be entitled.

42. Necessary Acts and Further Assurances: The Parties shall, at their own cost and expense, execute and deliver such further documents and instruments and shall take such other actions as may be reasonably required or appropriate to evidence or carry out the intent and purposes of the Contract.

43. Recitals: The recitals set forth above ("Recitals") are true and correct and are hereby incorporated into and made part of this Agreement by this reference. In the event of any inconsistency between the Recitals and Section 1 through 43 of this Agreement, Sections 1 through 43 shall prevail.

[*Signatures on Following Page*]

CONTRACTOR

By: _____

_____
Print Name

Address:_____
_____
_____
Phone: _____

Date: _____

Federal Tax ID or Social Security No:

_____

DIR Registration Number:

_____

Affix Contractor's Seal Here

CITY OF TURLOCK, a municipal corporation

By: _____
Gary R. Hampton, Interim City Manager

Date: _____

APPROVED AS TO SUFFICIENCY:

By: _____
Christopher Fisher, Municipal Services Director

APPROVED AS TO FORM:

By: _____
Katie O. Lucchesi, , City Attorney

ATTEST:

By: _____
Nichole Fiez, City Clerk

EXHIBIT A
SCOPE OF SERVICES

EXHIBIT B
PAYMENT BY FORCE ACCOUNT

For work paid by force account, the City Engineer compares City's records to Contractor's daily force account work report. When the City Engineer and Contractor agree on the contents of the daily force account work reports, the City Engineer accepts the report and City pays for the work. If the records differ, City pays for the work based only on the information shown on City's records. If a subcontractor performs work at force account, work paid at force account will be accepted at an additional 2 percent (2%) markup to the total cost of that work, including markups, as reimbursement for additional administrative costs. The markups specified in labor, materials, and equipment includes compensation for all delay costs, overhead costs, and profit. If an item's unit price is adjusted for work-character changes, City excludes Contractor's cost of determining the adjustment. Payment for owner-operated labor and equipment is made at the market-priced invoice submitted.

A. Labor. Labor payment is full compensation for the cost of labor used in the direct performance of the work plus a fifteen percent (15%) markup, as set forth below, and consistent with California Labor Code section 1770 et seq. Force account labor payment consists of:

1. Employer payment to the worker for:

    1.1 Basic hourly wage
    1.2 Health and welfare
    1.3 Pension
    1.4 Vacation
    1.5 Training
    1.6 Other State and federal recognized fringe benefit payments

2. Labor surcharge percentage in *Labor Surcharge and Equipment Rental Rates* current during the work paid at force account for:

    2.1 Workers' compensation insurance
    2.2 Social security
    2.3 Medicare
    2.4 Federal unemployment insurance
    2.5 State unemployment insurance
    2.6 State training taxes

3. Subsistence and travel allowances paid to the workers

4. Employer payment to supervisors, if authorized

The fifteen percent (15%) markup consists of payment for all overhead costs related to labor but not designated as costs of labor used in the direct performance of the work including:

(a) Home office overhead

(b) Field office overhead
(c) Bond costs
(d) Profit
(e) Labor liability insurance
(f) Other fixed or administrative costs that are not costs of labor used in the direct performance of the work

B. Materials. Material payment is full compensation for materials the Contractor furnishes and uses in the work. The City Engineer determines the cost based on the material purchase price, including delivery charges, except:

1. A fifteen percent (15%) markup is added;

2. Supplier discounts are subtracted whether the Contractor takes them or not;

3. If the City Engineer believes the material purchase prices are excessive, City pays the lowest current wholesale price for a similar material quantity;

4. If Contractor procured the materials from a source Contractor wholly or partially own, the determined cost is based on the lower of the:

   4.1 Price paid by the purchaser for similar materials from that source on Contract items; and
   4.2 Current wholesale price for those materials;

5 If Contractor does not submit a material cost record within thirty (30) days of billing, the determined cost is based on the lowest wholesale price:

   5.1 During that period
   5.2 In the quantities used

C. Equipment Rental. Equipment rental payment is full compensation for:

1. Rental equipment costs, including moving rental equipment to and from the change order work site using its own power.

2. Transport equipment costs for rental equipment that cannot be transported economically using its own power. No payment is made during transport for the transported equipment.

3. Fifteen percent (15%) percent markup.

If Contractor wants to return the equipment to a location other than its original location, the payment to move the equipment must not exceed the cost of returning the equipment to its original location.

If Contractor uses the equipment for work other than work paid by force account, the transportation cost is included in the other work.

Before moving or loading the equipment, Contractor must obtain authorization for the equipment rental's original location.

The City Engineer determines rental costs:

1. Using rates in *Labor Surcharge and Equipment Rental Rates*:

    1.1. By classifying equipment using manufacturer's ratings and manufacturer-approved changes.
    1.2. Current during the work paid by force account.
    1.3. Regardless of equipment ownership but City uses the rental document rates or minimum rental cost terms if:
        1.3.1. Rented from equipment business Contractor does not own.
        1.3.2. The Labor Surcharge and Equipment Rental Rates hourly rate is $10.00 per hour or less.

2. Using rates established by the City Engineer for equipment not listed in *Labor Surcharge and Equipment Rental Rates*. Contractor may submit cost information that helps the City Engineer establish the rental rate but City uses the rental document rates or minimum rental cost terms if:
    2.1. Rented from equipment business Contractor does not own.
    2.2. The City Engineer establishes a rate of $10.00 per hour or less.

3. Using rates for transport equipment not exceeding the hourly rates charged by established haulers.

Equipment rental rates include the cost of:

1. Fuel
2. Oil
3. Lubrication
4. Supplies
5. Small tools that are not consumed by use
6. Necessary attachments
7. Repairs and maintenance
8. Depreciation
9. Storage
10. Insurance
11. Incidentals

City pays for small tools consumed by use. The City Engineer determines payment for small tools consumed by use based on Contractor-submitted invoices.

The City Engineer may authorize rates in excess of those in the *Labor Surcharge and Equipment Rental Rates* if:

1. Contractor submits a request to use rented equipment

2. Equipment is not available from Contractor's normal sources or from one of Contractor's subcontractors
3. Rented equipment is from an independent rental company
4. Proposed equipment rental rate is reasonable
5. The City Engineer authorizes the equipment source and the rental rate before Contractor uses the equipment

D. Equipment on the Job Site. For equipment on the job site at the time required to perform work paid by force account, the time paid is the time:

1. To move the equipment to the location of work paid by force account plus an equal amount of time to move the equipment to another location on the job site when the work paid by force account is completed

2. To load and unload equipment

3. Equipment is operated to perform work paid by force account and:
   3.1. Hourly rates are paid in 1/2-hour increments
   3.2. Daily rates are paid in 1/2-day increments

E. Equipment Not on the Job Site Required for Original-Contract Work. For equipment not on the job site at the time required to perform work paid by force account and required for original-Contract work, the time paid is the time the equipment is operated to perform work paid by force account and the time to move the equipment to a location on the job site when the work paid by force account is completed.

The minimum total time paid is:

1. 1 day if daily rates are paid
2. 8 hours if hourly rates are paid

If daily rates are recorded, equipment:

1. Idled is paid as 1/2 day
2. Operated four (4) hours or less is paid as 1/2 day
3. Operated four (4) hours or more is paid as one (1) day

If the minimum total time exceeds eight (8) hours and if hourly rates are listed, City rounds up hours operated to the nearest 1/2-hour increment and pays based on the hours shown in the following table. The table does not apply when equipment is not operated due to breakdowns, in which case rental hours are the hours the equipment was operated.

Equipment Rental Hours

Hours operated	Hours paid
0.0	4.00

0.5	4.25
1.0	4.50
1.5	4.75
2.0	5.00
2.5	5.25
3.0	5.50
3.5	5.75
4.0	6.00
4.5	6.25
5.0	6.50
5.5	6.75
6.0	7.00
6.5	7.25
7.0	7.5
7.5	7.75
≥8.0	hours used

F. Equipment Not on the Job Site Not Required for Original-Contract Work. For equipment not on the job site at the time required to perform work paid by force account and not required for original-Contract work, the time paid is the time:

1. To move the equipment to the location of work paid by force account plus an equal amount of time to return the equipment to its source when the work paid by force account is completed

2. To load and unload equipment

3. Equipment is operated to perform work paid by force account

G. Non-Owner-Operated Dump Truck Rental. Contractor shall submit the rental rate for non-owner-operated dump truck rental to City. The City Engineer shall determine the payment rate. Payment for non-owner-operated dump truck rental is for the cost of renting a dump truck, including its driver. For the purpose of markup payment only, the non-owner-operated dump truck is rental equipment and the owner is a subcontractor.

The above markups shall constitute full compensation for all home office overhead, field office overhead, bond costs, profit, labor liability insurance, and other fixed or administrative costs that are not costs specifically designated as cost or equipment rental as stated above. The total payment made as provided above shall be deemed to be the actual cost of the work and shall constitute full compensation therefor.

When extra work to be paid for on a force account basis is performed by a subcontractor, an additional markup of 2 percent (2%) will be added to the total cost of that extra work including all markups specified in this Section. The additional 2 percent (2%) markup shall reimburse Contractor for

additional administrative costs, and no other additional payment will be made by reason of performance of the extra work by a subcontractor.

EXHIBIT C

WORKERS' COMPENSATION INSURANCE CERTIFICATION

Pursuant to Section 18(b) of the Agreement, Contractor certifies as follows:

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

Signed: _____ Date: _____

_____
(Typed or Printed Name)

Business Address (Street Address, City, State & Zip Code):

_____

_____

_____

Business Phone: ( ) _____

EXHIBIT D

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the **City of Turlock,** State of California, has awarded to _____, hereinafter designated as the "Principal," a contract for **Project No. 23-052 Geer Road Pavement Rehabilitation Phases 1, 2, and 3;** and,

WHEREAS, said Principal is required under the terms of said contract to furnish a bond for the faithful performance of said contract.

NOW, THEREFORE, we the Principal, and _____ as Surety, are held and firmly bound unto the City of Turlock in the penal sum of _____ **($_____)**, lawful money of the United States for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, or assigns jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above bounden Principal, or Principal's heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions, and agreements in said contract and any alteration thereof made as therein provided, on the Principal's part, to be kept and performed at the time and in the manner therein specified and in all respects according to their true intent and meaning; and shall defend, indemnify and save harmless the City of Turlock, its officers and agents as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and virtue.

And the Surety, for value received hereby stipulates and agrees that, in accordance with the Plans, Standard Specifications, Special Provisions, and other contract documents, no change, extension of time, alteration, or addition to the terms of the contract, or to the work to be performed hereunder, or to the specifications accompanying the same shall in anywise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration of additions to the terms of the Contract to the work, or to the specifications.

The City of Turlock reserves the right to refuse use of any Contractor assigned by any surety to complete the work.

[*Signatures on Following Page*]

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their seals this _____ day of _____, 20__, the name and corporate seals of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Corporate Seal) **Principal** _____

By _____

Title _____

(Attach Notarial Acknowledgment)

(Corporate Seal) **Surety** _____

Address _____

Phone No.: ( )_____ Fax No.: ( ) _____

By _____
Attorneys-in-Fact

Title _____

(Attach Notarial Acknowledgment)

<u>NOTE TO SURETY COMPANY</u>: There must be submitted a certified copy of unrevoked resolution of authority for the attorneys-in-fact.

(Seal) **Witness** _____

Approved as to form:

_____
Risk Manager

EXHIBIT E

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the **City of Turlock**, a municipal corporation, has awarded to _____, hereinafter designated as the "Principal", a contract for **Project No. 23-052 Geer Road Pavement Rehabilitation Phases 1, 2, and 3**; and

WHEREAS, said Principal is required to furnish a bond in connection with said contract, to secure payment of claims of laborers, mechanics, or materialmen employed on work under said contract, as provided by law.

NOW, THEREFORE, we the undersigned Principal and Surety are held and firmly bound unto the City of Turlock in the sum of _____ **($_____),** said sum being equal to the estimated amount payable by said City of Turlock under the terms of the contract, for which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, or assigns jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that if said Principal, or Principal's heirs, executors, administrators, successors, or assigns, or subcontractors shall fail to pay for any material, provisions, provender, or other supplies, implements, or machinery used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Code with respect to such work or labor, or for any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board from these wages of employees of the Contractor and Contractor's subcontractors pursuant to the Revenue and Taxation Code, with respect to such work and labor, the Surety or Sureties hereon will pay for the same in an amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, said Surety will pay a reasonable attorney's fee to be fixed by the court.

This bond shall inure to the benefit of any and all persons, companies, and corporations entitled to file claims under Section 3138 of the Civil Code of the State of California so as to give a right of action to them or their assigns in any suit brought upon this bond.

Said Surety, for value received, hereby stipulates and agrees that, in accordance with the Plans, Standard Specifications, Special Provisions, and other Contract Documents, no change, extension of time, alteration or addition to the terms of the contract, or to the work to be performed there under, or to the specifications accompanying the same, shall in anywise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract, or to the work, or to the specifications.

[*Signatures on Following Page*]

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their seals this _____ day of _____, 20__, the name and corporate seals of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Corporate Seal) **Principal** _____

By _____

Title _____

(Attach Notarial Acknowledgment)

(Corporate Seal) **Surety** _____

Address _____

Phone No.: ( )_____ Fax No.: ( ) _____

By _____
Attorneys-in-Fact

Title _____

(Attach Notarial Acknowledgment)

NOTE TO SURETY COMPANY: There must be submitted a certified copy of unrevoked resolution of authority for the attorneys-in-fact.

(Seal) **Witness** _____

Approved as to form:

_____
Risk Manager

SPECIAL PROVISIONS

City Project No: 23-052

Geer Road Pavement Rehabilitation Phases 1, 2, and 3

SECTION 0 EXHIBIT 12-G: REQUIRED FEDERAL-AID CONTRACT LANGUAGE

EXHIBIT 12-G: REQUIRED FEDERAL-AID CONTRACT LANGUAGE

(For Local Assistance Construction Projects)

The following language must be incorporated into all Local Assistance Federal-aid construction contracts. The following language, with minor edits, was taken from the Code of Federal Regulations.

MAINTAIN RECORDS AND SUBMIT REPORTS DOCUMENTING YOUR PERFORMANCE UNDER THIS SECTION

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1. DISADVANTAGED BUSINESS ENTERPRISES (DBE)

The contractor, subrecipient or subcontractor shall take necessary and reasonable steps to ensure that DBEs have opportunity to participate in the contract (49 CFR 26). To ensure equal participation of DBEs provided in 49 CFR 26.5, the Agency shows a contract goal for DBEs. The prime contractor shall make work available to DBEs and select work parts consistent with available DBE subcontractors and suppliers.

The prime contractor shall meet the DBE goal shown elsewhere in these special provisions or demonstrate that they made adequate Good Faith Efforts (GFE) to meet this goal. An adequate GFE means that the bidder must show that it took all necessary and reasonable steps to achieve a DBE goal that, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to meet the DBE goal.

If the DBE goal is not met, the contractor needs to complete and submit the DBE GFE documentation as described in Local Assistance Procedures Manual (LAPM) Chapter 9, Section 9.8 within 5 (five) days of bid opening.

It is the prime contractor's responsibility to verify that the DBE firm is certified as a DBE on the date of bid opening by using the California Unified Certification Program (CUCP) database and possesses the most specific available North American Industry Classification System (NAICS) codes and Work Code applicable to the type of work the firm will perform on the contract. Additionally, the prime contractor is responsible to document this verification by printing out the CUCP data for each DBE firm. A list of DBEs certified by the CUCP can be found at: https://dot.ca.gov/programs/civil-rights/dbe-search.

DBE participation will only count toward the California Department of Transportation's federally mandated statewide overall DBE goal if the DBE performs a commercially useful function under 49 CFR 26.55.

Credit for materials or supplies the prime contractor purchases from DBEs counts towards the goal in the following manner:

- 100 percent counts if the materials or supplies are obtained from a DBE manufacturer.
- 60 percent counts if the materials or supplies are obtained from a DBE regular dealer.
- Only fees, commissions, and charges for assistance in the procurement and delivery of materials or supplies count if obtained from a DBE that is neither a manufacturer nor regular dealer. 49 CFR 26.55 defines "manufacturer" and "regular dealer."

The prime contractor receives credit towards the goal if they employ a DBE trucking company that performs a commercially useful function as defined in 49 CFR 26.55(d) as follows:

- The DBE must be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular contract, and there cannot be a contrived arrangement for the purpose of meeting DBE goals.
- The DBE must itself own and operate at least one fully licensed, insured, and operational truck used on the contract.
- The DBE receives credit for the total value of the transportation services it provides on the Contract using trucks it owns, insures, and operates using drivers it employs.
- The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the Contract.
- The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE that leases trucks equipped with drivers from a non-DBE is entitled to credit for the total value of transportation services provided by non-DBE leased trucks equipped with drivers not to exceed the value of transportation services on the contract provided by DBE-owned trucks or leased trucks with DBE employee drivers. Additional participation by non-DBE owned trucks equipped with drivers receives credit only for the fee or commission it receives as a result of the lease arrangement.
- The DBE may lease trucks without drivers from a non-DBE truck leasing company. If the DBE leases trucks from a non-DBE truck leasing company and uses its own employees as drivers, it is entitled to credit for the total value of these hauling services.

- ~~A lease must indicate that the DBE has exclusive use of and control over the truck. This does not preclude the leased truck from working for others during the term of the lease with the consent of the DBE, so long as the lease gives the DBE absolute priority for use of the leased truck. Leased trucks must display the name and identification number of the DBE.~~

A. Nondiscrimination Statement

The contractor, subrecipient or subcontractor will never exclude any person from participation in, deny any person the benefits of, or otherwise discriminate against anyone in connection with the award and performance of any contract covered by 49 CFR 26 on the basis of race, color, sex, or national origin. ~~In administering the Local Agency components of the DBE Program Plan, the contractor, subrecipient or subcontractor will not, directly, or through contractual or other arrangements, use criteria or methods of administration that have the effect of defeating or substantially impairing accomplishment of the objectives of the DBE Program Plan with respect to individuals of a particular race, color, sex, or national origin.~~

B. Contract Assurance

Under 49 CFR 26.13(b): The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR 26 in the award and administration of federal-aid contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

(1) Withholding monthly progress payments;

(2) Assessing sanctions;

(3) Liquidated damages; and/or

(4) Disqualifying the contractor from future bidding as non-responsible.

~~**C. Prompt Progress Payment**~~

~~In accordance with California Business and Professions Code section 7108.5, the prime contractor or subcontractor shall pay to any subcontractor, not later than seven days after receipt of each progress payment, unless otherwise agreed to in writing, the respective amounts allowed the contractor on account of the work performed by the subcontractors, to the extent of each subcontractor's interest therein. In the event that there is a good faith dispute over all or any portion of the amount due on a progress payment from the prime contractor or subcontractor to a subcontractor, the prime contractor or subcontractor may withhold no more than 150 percent of the disputed amount. Any violation of this requirement shall constitute a cause for disciplinary action and shall subject the licensee to a penalty, payable to the subcontractor, of 2 percent of the amount due per month for every month that payment is not made.~~

~~In any action for the collection of funds wrongfully withheld, the prevailing party shall be entitled to his or her attorney's fees and costs. The sanctions authorized under this requirement shall be separate from, and in addition to, all other remedies, either civil, administrative, or criminal. This clause applies to both DBE and non-DBE subcontractors.~~

C. Prompt Payment of Withheld Funds to Subcontractors

The Agency may hold retainage from the prime contractor and shall make prompt and regular incremental acceptances of portions, as determined by the Agency, of the contract work, and pay retainage to the prime contractor based on these acceptances. The Agency shall designate one of the methods below in the contract to ensure prompt and full payment of any retainage kept by the prime contractor or subcontractor to a subcontractor. The Agency shall include either Method 1, Method 2, or Method 3 below and delete the other two.

Method 1: No retainage will be held by the Agency from progress payments due to the prime contractor. Prime contractors and subcontractors are prohibited from holding retainage from subcontractors. Any delay or postponement of payment may take place only for good cause and with the Agency's prior written approval. Any violation of these provisions shall subject the violating contractor or subcontractor to the penalties, sanctions, and other remedies specified in Section 7108.5 of the California Business and Professions Code and Section 10262 of the California Public Contract Code. This requirement shall not be construed to limit or impair any contractual, administrative or judicial remedies, otherwise available to the

contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the contractor, deficient subcontractor performance and/or noncompliance by a subcontractor. This clause applies to both DBE and non-DBE subcontractors.

Method 2: No retainage will be held by the Agency from progress payments due to the prime contractor. Any retainage kept by the prime contractor or by a subcontractor must be paid in full to the earning subcontractor within seven (7) days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment may take place only for good cause and with the Agency's prior written approval. Any violation of these provisions shall subject the violating contractor or subcontractor to the penalties, sanctions, and remedies specified in Section 7108.5 of the California Business and Professions Code and Section 10262 of the California Public Contract Code. This requirement shall not be construed to limit or impair any contractual, administrative or judicial remedies, otherwise available to the contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the contractor, deficient subcontractor performance and/or noncompliance by a subcontractor. This clause applies to both DBE and non-DBE subcontractors.

Method 3: The Agency shall hold retainage from the prime contractor and shall make prompt and regular incremental acceptances of portions, as determined by the Agency of the contract work and pay retainage to the prime contractor based on these acceptances. The prime contractor or subcontractor shall return all monies withheld in retention from all subcontractors within seven (7) days after receiving payment for work satisfactorily completed and accepted including incremental acceptances of portions of the contract work by the Agency. Any delay or postponement of payment may take place only for good cause and with the Agency's prior written approval. Any violation of these provisions shall subject the violating prime contractor or subcontractor to the penalties, sanctions, and other remedies specified in Section 7108.5 of the California Business and Professions Code and Section 10262 of the California Public Contract Code. This requirement shall not be construed to limit or impair any contractual, administrative or judicial remedies otherwise available to the contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the contractor; deficient subcontractor performance and/or noncompliance by a subcontractor. This clause applies to both DBE and non-DBE subcontractors.

Any violation of these provisions of Prompt Progress Payment and Prompt Payment of Withheld Funds to Subcontractors shall subject the violating prime contractor or subcontractor to the penalties, sanctions and other remedies specified therein. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the prime contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the prime contractor, deficient subcontract performance, or noncompliance by a subcontractor.

~~**D. Termination and Replacement of DBE Subcontractors**~~

~~The prime contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the contractor obtains the Agency's written consent. The prime contractor shall not terminate or replace a listed DBE for convenience and perform the work with their own forces or obtain materials from other sources without prior written authorization from the Agency. Unless the Agency's prior written consent is provided, the contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the listed DBE on the Exhibit 15-G Construction Contract DBE Commitment form, included in the Bid.~~

~~Termination of DBE Subcontractors~~

~~After a contract with a specified DBE goal has been executed, termination of a DBE may be allowed for the following, but not limited to, justifiable reasons with prior written authorization from the Agency:~~

~~a. Listed DBE fails or refuses to execute a written contract based on plans and specifications for the project.~~

~~b. The Local Agency stipulated that a bond is a condition of executing the subcontract and the listed DBE fails to meet the Local Agency's bond requirements.~~

~~c. Work requires a contractor's license and listed DBE does not have a valid license under Contractors License Law, or is not properly registered with the California Department of Industrial Relations as a public works contractor.~~

~~d. Listed DBE fails or refuses to perform the work or furnish the listed materials (failing or refusing to~~

perform is not an allowable reason to remove a DBE if the failure or refusal is a result of bad faith or discrimination).

e. Listed DBE's work is unsatisfactory and not in compliance with the contract.

f. Listed DBE is ineligible to work on the project because of suspension or debarment.

g. Listed DBE becomes bankrupt or insolvent or exhibits credit unworthiness.

h. Listed DBE voluntarily withdraws with written notice from the Contract

i. Listed DBE is ineligible to receive credit for the type of work required.

j. Listed DBE owner dies or becomes disabled resulting in the inability to perform the work on the Contract.

k. The Agency determines other documented good cause.

To terminate a DBE or to terminate a portion of a DBE's work, the contractor must use the following procedures:

1. Send a written notice to the DBE of Contractor's intent to use other forces or material sources and include one or more justifiable reasons listed above. Simultaneously send a copy of this written notice to the Agency. The written notice to the DBE must request they provide any response within five (5) business days to both the Contractor and the Agency by either acknowledging their agreement or documenting their reasoning as to why the use of other forces or sources of materials should not occur.
2. If the DBE does not respond within 5 business days, Contractor may move forward with the request as if the DBE had agreed to Contractor's written notice.
3. Submit Contractor's DBE termination request by written letter to the Agency and include:
    - One or more above listed justifiable reasons along with supporting documentation.
    - Contractor's written notice to the DBE regarding the request, including proof of transmission and tracking documentation of Contractor's written notice
    - The DBE's response to Contractor's written notice, if received. If a written response was not provided, provide a statement to that effect.

The Agency shall respond in writing to Contractor's DBE termination request within 5 business days.

Replacement of DBE Subcontractors

After receiving the Agency's written authorization of DBE termination request, the Contractor must obtain the Agency's written agreement for DBE replacement. The Contractor must find or demonstrate GFEs to find qualified DBE replacement firms to perform the work to the extent needed to meet the DBE commitment.

The following procedures shall be followed to request authorization to replace a DBE firm:

1. Submit a request to replace a DBE with other forces or material sources in writing to the Agency which must include:
    a. Description of remaining uncommitted work items made available for replacement DBE solicitation and participation.
    b. The proposed DBE replacement firm's business information, the work they have agreed to perform, and the following:
        - Quote for bid item work and description of work to be performed
        - Proposed subcontract agreement and written confirmation of agreement to perform on the Contract
        - Revised Subcontracting Request form
        - Revised Exhibit 15-G: Construction Contract DBE Commitment

2. If Contractor has not identified a DBE replacement firm, submit documentation of the Contractor's GFEs to use DBE replacement firms within 7 days of Agency's authorization to terminate the DBE. The Contractor may request the Agency's approval to extend this submittal period to a total of 14 days. Submit documentation of actions taken to find a DBE replacement firm, such as:

   - Search results of certified DBEs available to perform the original DBE work identified and/or other work the Contractor had intended to self perform, to the extent needed to meet the DBE commitment
   - Solicitations of DBEs for performance of work identified
   - Correspondence with interested DBEs that may have included contract details and requirements
   - Negotiation efforts with DBEs that reflect why an agreement was not reached
   - If a DBE's quote was rejected, provide Contractor's reasoning for the rejection, such as why the DBE was unqualified for the work, or why the price quote was unreasonable or excessive
   - Copies of each DBE's and non-DBE's price quotes for work identified, as the Agency may contact the firms to verify solicitation efforts and determine if the DBE quotes are substantially higher
   - Additional documentation that supports the GFE

The Agency shall respond in writing to the Contractor's DBE replacement request within five (5) business days. The Contractor must submit a revised Subcontracting Request form if the replacement plan is authorized by the Agency.

E. Commitment and Utilization

The Agency's DBE program must include a monitoring and enforcement mechanism to ensure that DBE commitments reconcile to DBE utilization.

The bidder shall complete and sign Exhibit 15-G: Construction Contract DBE Commitment included in the contract documents regardless of whether DBE participation is reported. The bidder shall provide written confirmation from each DBE that the DBE is participating in the Contract. LAPM Exhibit 9-I: DBE Confirmation or equivalent form and DBE's quote must be submitted. The written confirmation must be submitted no later than 4pm on the 5th day after bid opening. If a DBE is participating as a joint venture partner, the bidder shall submit a copy of the joint venture agreement.

If the DBE Commitment form, Exhibit 15-G, is not submitted with the bid, it must be completed and submitted by all bidders to the Agency within five (5) days of bid opening. If the bidder does not submit the DBE Commitment form within the specified time, the Agency will find the bidder's bid nonresponsive.

The prime contractor shall use each DBE subcontractor as listed on Exhibit 15-G: Construction Contract DBE Commitment unless they receive written authorization for a termination or replacement from the Agency.

The Agency shall request the prime contractor to:

1. Notify the Resident Engineer or Inspector of any changes to its anticipated DBE participation
2. Provide this notification before starting the affected work
3. Maintain records including:

   - Name and business address of each 1st tier subcontractor
   - Name and business address of each DBE subcontractor, DBE vendor, and DBE trucking company, regardless of tier
   - Date of payment and total amount paid to each DBE (see Exhibit 9-F: Monthly Disadvantaged Business Enterprise Payment)

If the prime contractor is a DBE contractor, they shall include the date of work performed by their own forces and the corresponding value of the work.

Before the 15th of each month, the prime contractor shall submit a Monthly DBE Trucking Verification (LAPM Exhibit 16-Z1) form.

If a DBE is decertified before completing its work, the DBE must notify the prime contractor in writing of the decertification date. If a business becomes a certified DBE before completing its work, the business must notify the prime contractor in writing of the certification date. The prime contractor shall submit the notifications. Upon work completion, the prime contractor shall complete a Disadvantaged Business Enterprises (DBE) Certification Status Change, Exhibit 17-O, form and submit the form within 30 days of contract acceptance.

Upon work completion, the prime contractor shall complete Exhibit 17-F: Final Report – Utilization of Disadvantaged Business Enterprises (DBE), First-Tier Subcontractors and submit it within 90 days of contract acceptance. The Agency will withhold $10,000 until the form is submitted. The Agency releases the withhold upon submission of the completed form.

F. Running Tally of Attainments

For projects awarded on or after March 1, 2020, but before September 1, 2023:

After submitting an invoice for reimbursement that includes a payment to a DBE, but no later than the 10th of the following month, the prime contractor/consultant must complete and email the Exhibit 9-F: Disadvantaged Business Enterprise Running Tally of Payments to business.support.unit@dot.ca.gov with a copy to local administering agencies.

For projects that are awarded on or after September 1, 2023:

Exhibit 9-F is no longer required. Instead, by the 15th of the month following the month of any payment(s), the prime contractor must now submit Exhibit 9-P to the Local Agency administering the contract. If the Contractor does not make any payments to subcontractors, supplier(s) and/or manufacturers they must report "no payments were made to subs this month" and write this visibly and legibly on Exhibit 9-P.

G. Commercially Useful Function

DBEs must perform a commercially useful function (CUF) under 49 CFR 26.55 when performing work or supplying materials listed on the DBE Commitment form. The DBE value of work will only count toward the DBE commitment if the DBE performs a CUF. A DBE performs a CUF when it is responsible for execution of the work on the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. If a DBE does not perform or exercise responsibility for at least 30% of the total cost of its contract with its own work force, or the DBE subcontracts a greater portion of the work of a contract than would be expected on the basis of normal industry practice for the type of work involved, it will be presumed that the DBE is not performing a CUF. Additionally, the DBE must also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material and installing (where applicable), and paying for the material itself.

The Contractor must perform CUF evaluation for each DBE company working on a federal-aid contract, with or without a DBE goal. Perform a CUF evaluation at the beginning of the DBE's work, and continue to monitor the performance of CUF for the duration of the project.

The Contractor must provide written notification to the AGENCY at least 15 days in advance of each DBE's initial performance of work or supplying materials for the Contract. The notification must include the DBE's name, work the DBE will perform on the contract, and the location, date, and time of where their work will take place.

Within 10 (ten) days of a DBE initially performing work or supplying materials on the contract, the Contractor shall submit to the LPA the initial evaluation and validation of DBE performance of a CUF using the LAPM 9-J: Disadvantaged Business Enterprise Commercially Useful Function Evaluation. Include the following information with the submittal:

- Subcontract agreement with the DBE
- Purchase orders
- Bills of lading
- Invoices
- Proof of payment

~~The Contractor must monitor all DBE's performance of CUF by conducting quarterly evaluations and validations throughout their duration of work on the contract using the LAPM 9-J: DBE Commercially Useful Function Evaluation. The Contractor must submit to the AGENCY these quarterly evaluations and validations by the 5th of the month for the previous three (3) months of work.~~

~~The Contractor must notify the AGENCY immediately if the Contractor believes the DBE may not be performing a CUF.~~

~~The AGENCY will verify DBEs performance of CUF by reviewing the initial and quarterly submissions of LAPM 9-J: DBE Commercially Useful Function Evaluation, submitted supporting information, field observations, and through any additional AGENCY evaluations. The AGENCY must evaluate DBEs and their CUF performance throughout the duration of a Contract. The AGENCY will provide written notice to Contractor and DBE at least two (2) business days prior to any evaluation. The Contractor and DBE must participate in the evaluation. Upon completing the evaluation, the AGENCY must share the evaluation results with the Contractor and DBE. An evaluation could include items that must be remedied upon receipt. If the AGENCY determines the DBE is not performing a CUF the Contractor must suspend performance of the noncompliant work.~~

~~The Contractor and DBEs must submit any additional CUF related records and documents within five (5) business days of AGENCY's request such as:~~

- ~~Proof of ownership or lease and rental agreements for equipment~~
- ~~Tax records~~
- ~~Employee rosters~~
- ~~Certified payroll records~~
- ~~Inventory rosters~~

~~Failure to submit required DBE Commercially Useful Function Evaluation forms or requested records and documents can result in withholding of payment for the value of work completed by the DBE.~~

~~If the Contractor and/or the AGENCY determine that a listed DBE is not performing a CUF in performance of their DBE committed work, immediately suspend performance of the noncompliant portion of the work. The AGENCY may deny payment for the noncompliant portion of the work. The AGENCY will ask the Contractor to submit a corrective action plan (CAP) to the AGENCY within five (5) days of the noncompliant CUF determination. The CAP must identify how the Contractor will correct the noncompliance findings for the remaining portion of the DBE's work. The AGENCY has five (5) days to review the CAP in conjunction with the prime contractor's review. The Contractor must implement the CAP within five (5) days of the AGENCY's approval. The AGENCY will then authorize the prior noncompliant portion of work for the DBE's committed work.~~

~~If corrective actions cannot be accomplished to ensure the DBE performs a CUF on the Contract, then the Contractor may have good cause to request termination of the DBE.~~

~~H. Use of Joint Checks~~

~~A joint check may be used between the Contractor or lower tier subcontractor and a DBE subcontractor purchasing materials from a material supplier if the contractor obtains prior approval from the LPA for the proposed use of joint check upon submittal of the LAPM 9-K: DLA Disadvantaged Business Enterprises (DBE) Joint Check Agreement Request form.~~

~~To use a joint check, the following conditions must be met:~~

- ~~All parties, including the Contractor, must agree to the use of a joint check~~
- ~~Entity issuing the joint check acts solely to guarantee payment~~
- ~~DBE must release the check to the material supplier~~
- ~~LPA must authorize the request before implementation~~
- ~~Any party to the agreement must provide requested documentation within 10 days of the LPA's request for the documentation~~
- ~~Agreement to use a joint check must be short term, not to exceed 1 year, allowing sufficient time~~

~~needed to establish or increase a credit line with the material supplier~~

~~A request for a joint check agreement may be initiated by any party. If a joint check is used, the DBE remains responsible for all elements of 49 CFR 26.55(c)(1).~~

~~Failure to comply with the above requirements disqualifies DBE participation and results in no credit and no payment to the Contractor for DBE participation.~~

~~A joint check may not be used between the Contractor or subcontractor and a DBE regular dealer, bulk material supplier, manufacturer, wholesaler, broker, trucker, packager, manufacturer's representative, or other persons who arrange or expedite transactions.~~

2. BID OPENING
The Agency publicly opens and reads bids at the time and place shown on the Notice to Contractors.

3. BID RIGGING
The U.S. Department of Transportation (DOT) provides a toll-free hotline to report bid rigging activities. Use the hotline to report bid rigging, bidder collusion, and other fraudulent activities. The hotline number is (800) 424-9071. The service is available 24 hours 7 days a week and is confidential and anonymous. The hotline is part of the DOT's effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General.

4. CONTRACT AWARD
If the Agency awards the contract, the award is made to the lowest responsible and responsive bidder.

5. CONTRACTOR LICENSE
The Contractor must be properly licensed as a contractor from contract award through Contract acceptance (23 CFR 635.110).

6. CHANGED CONDITIONS

A. Differing Site Conditions

1. During the progress of the work, if subsurface or latent physical conditions are encountered at the site differing materially from those indicated in the contract or if unknown physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the contract, are encountered at the site, the party discovering such conditions shall promptly notify the other party in writing of the specific differing conditions before the site is disturbed and before the affected work is performed.
2. Upon written notification, the engineer will investigate the conditions, and if it is determined that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of any work under the contract, an adjustment, excluding anticipated profits, will be made and the contract modified in writing accordingly. The engineer will notify the contractor of the determination whether or not an adjustment of the contract is warranted.
3. No contract adjustment which results in a benefit to the contractor will be allowed unless the contractor has provided the required written notice.
4. No contract adjustment will be allowed under this clause for any effects caused on unchanged work. [*This provision may be omitted by the Local Agency, at their option.*]

B. Suspensions of Work Ordered by the Engineer

1. If the performance of all or any portion of the work is suspended or delayed by the engineer in writing for an unreasonable period of time (not originally anticipated, customary, or inherent to the construction industry) and the contractor believes that additional compensation and/or contract time is due as a result of such suspension or delay, the contractor shall submit to the engineer in writing a request for adjustment within 7 calendar days of receipt of the notice to resume work. The request shall set forth the reasons and support for such adjustment.
2. Upon receipt, the engineer will evaluate the contractor's request. If the engineer agrees that the cost and/or time required for the performance of the contract has increased as a result of such suspension and the suspension was caused by conditions beyond the control of and not the fault of the contractor, its suppliers, or subcontractors at any approved tier, and not caused by weather, the engineer will make

an adjustment (excluding profit) and modify the contract in writing accordingly. The contractor will be notified of the engineer's determination whether or not an adjustment of the contract is warranted.

3. No contract adjustment will be allowed unless the contractor has submitted the request for adjustment within the time prescribed.
4. No contract adjustment will be allowed under this clause to the extent that performance would have been suspended or delayed by any other cause, or for which an adjustment is provided or excluded under any other term or condition of this contract.

C. Significant Changes in the Character of Work

1. The engineer reserves the right to make, in writing, at any time during the work, such changes in quantities and such alterations in the work as are necessary to satisfactorily complete the project. Such changes in quantities and alterations shall not invalidate the contract nor release the surety, and the contractor agrees to perform the work as altered.
2. If the alterations or changes in quantities significantly change the character of the work under the contract, whether such alterations or changes are in themselves significant changes to the character of the work or by affecting other work cause such other work to become significantly different in character, an adjustment, excluding anticipated profit, will be made to the contract. The basis for the adjustment shall be agreed upon prior to the performance of the work. If a basis cannot be agreed upon, then an adjustment will be made either for or against the contractor in such amount as the engineer may determine to be fair and equitable.
3. If the alterations or changes in quantities do not significantly change the character of the work to be performed under the contract, the altered work will be paid for as provided elsewhere in the contract.
4. The term “significant change” shall be construed to apply only to the following circumstances:
   - When the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction; or
   - When a major item of work, as defined elsewhere in the contract, is increased in excess of 125 percent or decreased below 75 percent of the original contract quantity. Any allowance for an increase in quantity shall apply only to that portion in excess of 125 percent of original contract item quantity, or in case of a decrease below 75 percent, to the actual amount of work performed.

7. BEGINNING OF WORK, TIME OF COMPLETION AND LIQUIDATED DAMAGES

The Contractor shall begin work within 15 calendar days after the issuance of the Notice to Proceed.

This work shall be diligently prosecuted to completion before the expiration of_____WORKING DAYS beginning on the fifteenth calendar day after the date shown on the Notice to Proceed.

The Contractor shall pay to the City/County_____the sum of $_____per day, for each and every calendar days’ delay in finishing the work in excess of the number of working days prescribed above.

8. BUY AMERICA

[Include the Buy America provisions below when required by LAPM Chapter 12]

Buy America Requirements apply to iron or steel, manufactured products, and construction materials permanently incorporated into the project.

Buy America requirements do not apply to the following:

1. Tools and construction equipment used in performing the work
2. Temporary work that is not incorporated into the finished project

An article, materials, or supply to be permanently incorporated in the project should only be classified into one of the following categories:

1. Iron or steel products
2. Manufactured products

3. Construction materials
4. Excluded materials

Excluded materials means cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives.

Iron or Steel Products

All iron or steel products permanently incorporated into the project must be melted and manufactured in the United States except:

1. Foreign pig iron and processed, pelletized, and reduced iron ore may be used in the domestic production of the steel and iron materials [60 Fed Reg 15478 (03/24/1995)];
2. If the total combined cost of the materials produced outside the United States does not exceed the greater of 0.1 percent of the total contract amount or $2,500, materials produced outside the United States may be used if authorized.

Iron or steel products are defined as articles, materials, or supplies that consist wholly or predominantly of iron or steel or a combination of both.

For a product to be considered to consist predominantly of iron or steel, or a combination of both means the cost of the iron or steel content of the product exceeds 50 percent of the total cost of all its components. The cost of iron or steel is the cost of the iron or steel mill products (such as bar, billet, slab, wire, plate, or sheet), castings, or forgings utilized in the manufacture of the product and a good faith estimate of the cost of iron or steel components.

Furnish iron or steel products to be incorporated into the work with certificates of compliance and certified mill test reports. Mill test reports must indicate where the iron or steel were melted and manufactured. All melting and manufacturing processes for these materials, including an application of a coating, must occur in the United States. Coating includes all processes that protect or enhance the value of the material to which the coating is applied.

[Delete the paragraph below if not applicable]

The following iron or steel products have received an approved Buy America waiver for this project and are therefore not subject to Buy America requirements:

1. _____
2. _____

Manufactured Products

All manufactured products permanently incorporated into the project must be manufactured in the United States.

Manufactured products are defined as articles, materials, or supplies that have been:

1. Processed into a specific form and shape; or
2. Combined with other articles, materials, or supplies to create a product with different properties than the individual articles, materials, or supplies.

Manufacturer, in the case of manufactured products, means the entity that performs the final manufacturing process by bringing individual elements together that produces a manufactured product.

If an item is classified as an iron or steel product, a construction material, or an excluded material, then it is not a manufactured product. However, an article, material, or supply classified as a manufactured product may include components that are iron or steel products, construction materials, or excluded materials.

Iron or steel used in precast concrete manufactured products or Intelligent Transportation Systems (ITS) must meet the requirements of Iron or Steel Products regardless of the amount used.

Iron and steel used in other manufactured products must meet the requirements of section Iron or Steel Products if the cost of steel and iron components is 50 percent or more of the total cost of the manufactured product.

Furnish manufactured products to be permanently incorporated into the work with certificates of compliance with each project delivery. The manufacturer's certificate of compliance must identify where the manufacturing occurred and attest specifically to Buy America compliance.

[Delete the paragraph below if not applicable]

The following manufactured products have received an approved Buy America waiver for this project and are therefore not subject to Buy America requirements:

1. _____
2. _____

Construction Materials

Construction materials permanently incorporated into the project must be manufactured as defined in 2 CFR 184.6 in the United States.

Buy America requirements apply to the following construction materials that are or consist primarily of:

1. Non-ferrous metals
2. Plastic and polymer-based products such as:
   2.1 Polyvinylchloride
   2.2 Composite Building Materials
3. Glass
4. Fiber optic cable (including drop cable)
5. Optical fiber
6. Lumber
7. Engineered wood
8. Drywall

Minor additions of articles, materials, supplies, or binding agents to these construction materials do not change the categorization of the construction material.

Furnish construction materials to be incorporated into the work with certificates of compliance with each project delivery. The manufacturer's certificate of compliance must identify where the construction material was manufactured and attest specifically to Buy America compliance.

[Delete the paragraph below if not applicable]

The following construction materials have received an approved Buy America waiver for this project and are therefore not subject to Buy America requirements:

1. _____
2. _____

Buy America Waiver for De Minimis Cost for Manufactured Products and Construction Materials

A De Minimis Cost Waiver can waive the application of FHWA's Buy America requirements for manufactured products and construction materials under a single project when the total value of non-compliant manufactured products and construction materials is no more that the lesser of $1,000,000 or 5 percent of the total applicable material costs for the project.

The percent threshold is calculated based on the following formula:

$X = NC / TA$

where:

X = percent threshold

NC = total value of non-compliant manufactured products and construction material

TA = total applicable project costs (iron or steel products, manufactured products, and construction materials; does not include excluded materials)

This threshold is based on the actual cost of the iron or steel products, manufactured products, and construction materials, not the anticipated cost of those materials. Compliant and non-compliant Agency Furnished Materials for the project must be accounted for in a De Minimis Cost Waiver Worksheet calculation, if provided by the Local Agency.

Provide copies of invoices for the actual costs of materials including transportation to the project site.

In applying a De Minimum Cost Waiver, total cost of non-compliant construction materials and manufactured products does not include the cost of any products subject to a separate Buy America waiver.

If De Minimis Cost Waiver Worksheet calculation for materials subject to Buy America is not submitted, the Local Agency may:

1. Withhold from the next progress payment
2. Reject your request for a De Minimis Costs waiver for non-compliant construction materials or manufactured products

9. QUALITY ASSURANCE

The Local Agency uses a Quality Assurance Program (QAP) to ensure a material is produced to comply with the Contract. The Local Agency may examine the records and reports of tests the prime contractor performs if they are available at the job site. Schedule work to allow time for QAP.

10. PROMPT PAYMENT

A. FROM THE AGENCY TO THE CONTRACTORS

The Local Agency shall make all project progress payment within 30 days after receipt of an undisputed and properly submitted payment request from the Contractor on a construction contract. If the Local Agency fails to pay promptly, the Local Agency shall pay interest to the Contractor, which accrues at the rate of 10 percent per annum on the principal amount of a money judgment remaining unsatisfied and pro-rated as necessary. Upon receipt of the payment request, the Local Agency shall act in accordance with both of the following:

1. The Local Agency shall review each payment request as soon as feasible after receipt to verify it is a proper payment request.
2. The Local Agency must return any payment request deemed improper by the Local Agency to the Contractor as soon as feasible, but not later than seven (7) days, after receipt. A request returned pursuant to this paragraph shall include documentation setting forth in writing the reasons why it is an improper payment request.

B. SUBMITTAL OF EXHIBIT 9-P

In accordance with California Business and Professions Code section 7108.5, the prime contractor or subcontractor shall pay to any subcontractor, not later than seven days after receipt of each progress payment, unless otherwise agreed to in writing, the respective amounts allowed the contractor on account of the work performed by the subcontractors, to the extent of each subcontractor's interest therein. In the event that there is a good faith dispute over all or any portion of the amount due on a progress payment from the prime contractor or subcontractor to a subcontractor, the prime contractor or subcontractor may withhold no more than 150 percent of the disputed amount. Any violation of this requirement shall constitute a cause for disciplinary action and shall subject the licensee to a penalty, payable to the subcontractor, of 2 percent of the amount due per month for every month that payment is not made.

In any action for the collection of funds wrongfully withheld, the prevailing party shall be entitled to his or her attorney's fees and costs. The sanctions authorized under this requirement shall be separate from, and in addition to, all other remedies, either civil, administrative, or criminal.

~~For projects awarded on or after September 1, 2023:~~

The Contractor must submit Exhibit 9-P to the Local Agency administering the contract by the 15th of the month following the month of any payment(s). If the Contractor does not make any payments to subcontractors, supplier(s) and/or manufacturers they must report "no payments were made to subs this month" and write this visibly and legibly on Exhibit 9-P.

~~The Local Agency must verify all Exhibit 9-P information, monitor compliance with prompt payment requirements for DBE and non-DBE firms, and address any shortfall to the DBE commitment and prompt payment issues until the end of the project. The Local Agency must email a copy of Exhibit 9-P to DBE.Forms@dot.ca.gov before the end of the month after receiving the Exhibit 9-P from the Contractor.~~

11. FORM FHWA-1273 REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONTRACTS

[Form FHWA-1273 must be physically inserted into the contract without modification, excluding ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS.]

[The current version of Form FHWA-1273 is accessible at FHWA's website: https://www.fhwa.dot.gov/programadmin/contracts/1273/1273.pdf]

12. FEMALE AND MINORITY GOALS

To comply with Section II, "Nondiscrimination," of "Required Contract Provisions Federal-Aid Construction Contracts," the following are for female and minority utilization goals for Federal-aid construction contracts and subcontracts that exceed $10,000:

The nationwide goal for female utilization is 6.9 percent.

The goals for minority utilization (45 Fed Reg 65984 (10/3/1980)) are as follows:

MINORITY UTILIZATION GOALS

Economic Area		Goal (Percent)
174	Redding CA: Non-SMSA (Standard Metropolitan Statistical Area) Counties: CA Lassen; CA Modoc; CA Plumas; CA Shasta; CA Siskiyou; CA Tehama	6.8
175	Eureka, CA Non-SMSA Counties: CA Del Norte; CA Humboldt; CA Trinity	6.6
176	San Francisco-Oakland-San Jose, CA: SMSA Counties: 7120 Salinas-Seaside-Monterey, CA CA Monterey 7360 San Francisco-Oakland CA Alameda; CA Contra Costa; CA Marin; CA San Francisco; CA San Mateo 7400 San Jose, CA CA Santa Clara, CA 7485 Santa Cruz, CA CA Santa Cruz 7500 Santa Rosa CA Sonoma 8720 Vallejo-Fairfield-Napa, CA CA Napa; CA Solano Non-SMSA Counties: CA Lake; CA Mendocino; CA San Benito	 28.9 25.6 19.6 14.9 9.1 17.1 23.2

177	Sacramento, CA: SMSA Counties: 6920 Sacramento, CA CA Placer; CA Sacramento; CA Yolo Non-SMSA Counties CA Butte; CA Colusa; CA El Dorado; CA Glenn; CA Nevada; CA Sierra; CA Sutter; CA Yuba	16.1 14.3
178	Stockton-Modesto, CA: SMSA Counties: 5170 Modesto, CA CA Stanislaus 8120 Stockton, CA CA San Joaquin Non-SMSA Counties CA Alpine; CA Amador; CA Calaveras; CA Mariposa; CA Merced; CA Tuolumne	12.3 24.3 19.8
179	Fresno-Bakersfield, CA SMSA Counties: 0680 Bakersfield, CA CA Kern 2840 Fresno, CA CA Fresno Non-SMSA Counties: CA Kings; CA Madera; CA Tulare	19.1 26.1 23.6
180	Los Angeles, CA: SMSA Counties: 0360 Anaheim-Santa Ana-Garden Grove, CA CA Orange 4480 Los Angeles-Long Beach, CA CA Los Angeles 6000 Oxnard-Simi Valley-Ventura, CA CA Ventura 6780 Riverside-San Bernardino-Ontario, CA CA Riverside; CA San Bernardino 7480 Santa Barbara-Santa Maria-Lompoc, CA CA Santa Barbara Non-SMSA Counties CA Inyo; CA Mono; CA San Luis Obispo	11.9 28.3 21.5 19.0 19.7 24.6
181	San Diego, CA: SMSA Counties 7320 San Diego, CA CA San Diego Non-SMSA Counties CA Imperial	16.9 18.2

For the last full week of July during which work is performed under the contract, the prime contractor and each non material-supplier subcontractor with a subcontract of $10,000 or more must complete Form FHWA PR-1391 (Appendix C to 23 CFR 230). Submit the forms by August 15.

13. TITLE VI ASSURANCES

[The U.S. Department of Transportation Order No.1050.2A requires all federal-aid Department of Transportation contracts between an agency and a contractor to contain Appendix A and E.
Note: Appendix B only requires inclusion if the contract impacts deeds effecting or recording the transfer of real property, structures, or improvements thereon, or granting interest therein. Appendices C and D only require inclusion if the contract impacts deeds, licenses, leases, permits, or similar instruments entered into by the recipient.]

APPENDIX A

During the performance of this Agreement, the contractor, for itself, its assignees and successors in interest (hereinafter collectively referred to as CONTRACTOR) agrees as follows:

a. Compliance with Regulations: CONTRACTOR shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the REGULATIONS), which are herein incorporated by reference and made a part of this agreement.

b. Nondiscrimination: CONTRACTOR, with regard to the work performed by it during the AGREEMENT, shall not discriminate on the grounds of race, color, sex, national origin, religion, age, or disability in the selection and retention of sub-applicants, including procurements of materials and leases of equipment. CONTRACTOR shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the agreement covers a program set forth in Appendix B of the Regulations.

c. Solicitations for Sub-agreements, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by CONTRACTOR for work to be performed under a Sub- agreement, including procurements of materials or leases of equipment, each potential sub-applicant or supplier shall be notified by CONTRACTOR of the CONTRACTOR'S obligations under this Agreement and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.

d. Information and Reports: CONTRACTOR shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the recipient or FHWA to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of CONTRACTOR is in the exclusive possession of another who fails or refuses to furnish this information, CONTRACTOR shall so certify to the recipient or FHWA as appropriate, and shall set forth what efforts CONTRACTOR has made to obtain the information.

e. Sanctions for Noncompliance: In the event of CONTRACTOR's noncompliance with the nondiscrimination provisions of this agreement, the recipient shall impose such agreement sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:
    i. withholding of payments to CONTRACTOR under the Agreement within a reasonable period of time, not to exceed 90 days; and/or
    ii. cancellation, termination or suspension of the Agreement, in whole or in part.

f. Incorporation of Provisions: CONTRACTOR shall include the provisions of paragraphs (1) through (6) in every sub-agreement, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto.

CONTRACTOR shall take such action with respect to any sub-agreement or procurement as the recipient or FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance, provided, however, that, in the event CONTRACTOR becomes involved in, or is threatened with, litigation with a sub-applicant or supplier as a result of such direction, CONTRACTOR may request the recipient enter into such litigation to protect the interests of the State, and, in addition, CONTRACTOR may request the United States to enter into such litigation to protect the interests of the United States.

APPENDIX B

CLAUSES FOR DEEDS TRANSFERRING UNITED STATES PROPERTY

The following clauses will be included in deeds effecting or recording the transfer of real property, structures, or improvements thereon, or granting interest therein from the United States pursuant to the provisions of Assurance 4:

NOW THEREFORE, the U.S. Department of Transportation as authorized by law and upon the condition that the recipient will accept title to the lands and maintain the project constructed thereon in accordance with Title 23 U.S.C., the regulations for the administration of the preceding statute, and the policies and procedures prescribed by the FHWA of the U.S. Department of Transportation in accordance and in compliance with all requirements imposed by Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation pertaining to and effectuating the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252; 42 U.S.C. § 2000d to 2000d-4), does hereby remise, release, quitclaim and convey unto the recipient all the right, title and interest of the U.S. Department of Transportation in and to said lands described in Exhibit A attached hereto and made a part hereof.

(HABENDUM CLAUSE)

TO HAVE AND TO HOLD said lands and interests therein unto the recipient and its successors forever, subject, however, to the covenants, conditions, restrictions and reservations herein contained as follows, which will remain in effect for the period during which the real property or structures are used for a purpose for which Federal financial assistance is extended or for another purpose involving the provision of similar services or benefits and will be binding on the recipient, its successors and assigns. The recipient, in consideration of the conveyance of said lands and interest in lands, does hereby covenant and agree as a covenant running with the land for itself, its successors and assigns, that (1) no person will on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination with regard to any facility located wholly or in part on, over, or under such lands hereby conveyed [,] [and]* (2) that the recipient will use the lands and interests in lands and interest in lands so conveyed, in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations and Acts may be amended[, and (3) that in the event of breach of any of the above-mentioned non-discrimination conditions, the Department will have a right to enter or re-enter said lands and facilities on said lands, and that above described land and facilities will thereon revert to and vest in and become the absolute property of the U.S. Department of Transportation and its assigns as such interest existed prior to this instruction].*

(*Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to make clear the purpose of Title VI.)

APPENDIX C

CLAUSES FOR TRANSFER OF REAL PROPERTY ACQUIRED OR IMPROVED UNDER THE ACTIVITY, FACILITY, OR PROGRAM

The following clauses will be included in deeds, licenses, leases, permits, or similar instruments entered into by the recipient pursuant to the provisions of Assurance 7(a):

A. The (grantee, lessee, permittee, etc. as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree [in the case of deeds and leases add “as a covenant running with the land”] that:

1. In the event facilities are constructed, maintained, or otherwise operated on the property described in this (deed, license, lease, permit, etc.) for a purpose for which a U.S. Department of Transportation

activity, facility, or program is extended or for another purpose involving the provision of similar services or benefits, the (grantee, licensee, lessee, permittee, etc.) will maintain and operate such facilities and services in compliance with all requirements imposed by the Acts and Regulations (as may be amended) such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.

B. With respect to licenses, leases, permits, etc., in the event of breach of any of the above Non-discrimination covenants, the recipient will have the right to terminate the (lease, license, permit, etc.) and to enter, re-enter, and repossess said lands and facilities thereon, and hold the same as if the (lease, license, permit, etc.) had never been made or issued.*

C. With respect to a deed, in the event of breach of any of the above Non-discrimination covenants, the recipient will have the right to enter or re-enter the lands and facilities thereon, and the above described lands and facilities will there upon revert to and vest in and become the absolute property of the recipient and its assigns.*

(*Reverter clause and related language to be used only when it is determined that such a clause is necessary to make clear the purpose of Title VI.)

APPENDIX D

CLAUSES FOR CONSTRUCTION/USE/ACCESS TO REAL PROPERTY ACQUIRED UNDER THE ACTIVITY, FACILITY OR PROGRAM

The following clauses will be included in deeds, licenses, permits, or similar instruments/agreements entered into by the recipient pursuant to the provisions of Assurance 7(b):

A. The (grantee, licensee, permittee, etc., as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest ,and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds and leases add, “as a covenant running with the land”) that (1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land, and the furnishings of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits or, or otherwise be subjected to discrimination, (3) that the (grantee, licensee, lessee, permittee, etc.) will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, set forth in this Assurance.

B. With respect to (licenses, leases, permits, etc.) in the event of breach of any of the above of the above Non-discrimination covenants, the recipient will have the right to terminate the (license, permits, etc., as appropriate) and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said (license, permit, etc., as appropriate) had never been made or issued.*

C. With respect to deeds, in the event of breach of any of the above Non-discrimination covenants, the recipient will there upon revert to and vest in and become the absolute property of the recipient and its assigns.

(*Reverter clause and related language to be used only when it is determined that such a clause is necessary to make clear the purpose of Title VI.)

APPENDIX E

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities, including, but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), prohibits discrimination on the basis of sex;
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 U.S.C. § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination of the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

Federal Trainee Program Special Provisions
[to be used when applicable]

14. FEDERAL TRAINEE PROGRAM

For the Federal training program, the number of trainees or apprentices is____.

This section applies if a number of trainees or apprentices is shown on the Notice of Bidders.

As part of the prime contractor's equal opportunity affirmative action program, provide on-the-job training to develop full journeymen in the types of trades or job classifications involved.

The prime contractor has primary responsibility for meeting this training requirement.

If the prime contractor subcontracts a contract part, they shall determine how many trainees or apprentices are to be trained by the subcontractor. Include these training requirements in each subcontract.

Where feasible, 25 percent of apprentices or trainees in each occupation must be in their 1st year of apprenticeship or training.

Distribute the number of apprentices or trainees among the work classifications on the basis of the prime contractor's needs and the availability of journeymen in the various classifications within a reasonable recruitment area.

Before starting work, the prime contractor shall submit to the City/County of_____ :

1. Number of apprentices or trainees to be trained for each classification
2. Training program to be used
3. Training starting date for each classification

The prime contractor shall obtain the City/County of _____approval for this submitted information before the prime contractor starts work. The City/County of_____credits the prime contractor for each apprentice or trainee the prime contractor employs on the job who is currently enrolled or becomes enrolled in an approved program.

The primary objective of this section is to train and upgrade minorities and women toward journeyman status. The prime contractor shall make every effort to enroll minority and women apprentices or trainees, such as conducting systematic and direct recruitment through public and private sources likely to yield minority and women apprentices or trainees, to the extent they are available within a reasonable recruitment area and show that they have made the efforts. In making these efforts, the prime contractor shall not discriminate against any applicant for training.

The prime contractor shall not employ as an apprentice or trainee an employee:

1. In any classification in which the employee has successfully completed a training course leading to journeyman status or in which the employee has been employed as a journeyman
2. Who is not registered in a program approved by the US Department of Labor, Bureau of Apprenticeship and Training

The prime contractor shall ask the employee if the employee has successfully completed a training course leading to journeyman status or has been employed as a journeyman. The prime contractor's records must show the employee's answers to the questions.

In the training program, the prime contractor shall establish the minimum length and training type for each classification. The City/County of _____ and FHWA approves a program if one of the following is met:

1. It is calculated to:
   - Meet the equal employment opportunity responsibilities
   - Qualify the average apprentice or trainee for journeyman status in the classification involved by the end of the training period
2. It is registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training, and it is administered in a way consistent with the equal employment responsibilities of Federal-aid highway construction contracts

The prime contractor shall obtain the State's approval for their training program before they start work involving the classification covered by the program.

The prime contractor shall provide training in the construction crafts, not in clerk-typist or secretarial-type positions. Training is allowed in lower-level management positions such as office engineers, estimators, and timekeepers if the training is oriented toward construction applications. Training is allowed in the laborer classification if significant and meaningful training is provided and approved by the division office. Off-site training is allowed if the training is an integral part of an approved training program and does not make up a significant part of the overall training.

The City/County of_____reimburses the prime contractor 80 cents per hour of training given an employee on this contract under an approved training program:

1. For on-site training
2. For off-site training if the apprentice or trainee is currently employed on a Federal-aid project and prime contractor does at least one of the following:
   a. Contribute to the cost of the training
   b. Provide the instruction to the apprentice or trainee
   c. Pay the apprentice's or trainee's wages during the off-site training period
3. If the prime contractor complies with this section.

Each apprentice or trainee must:

1. Begin training on the project as soon as feasible after the start of work involving the apprentice's or trainee's skill
2. Remain on the project as long as training opportunities exist in the apprentice's or trainee's work classification or until the apprentice or trainee has completed the training program

Furnish the apprentice or trainee a:

1. Copy of the training plan approved by the U.S, Department of Labor or a training plan for trainees approved by both Caltrans and FHWA
2. Certification showing the type and length of training satisfactorily completed

Maintain records and submit reports documenting contractor's performance under this section.

15. PROHIBITION OF CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE EQUIPMENT AND SERVICES

In response to significant national security concerns, the agency shall check the prohibited vendor list before making any telecommunications and video surveillance purchase because recipients and subrecipients of federal funds are prohibited from obligating or expending loan or grant funds to:

- Procure or obtain;
- Extend or renew a contract to procure or obtain; or
- Enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

The prohibited vendors (and their subsidiaries or affiliates) are:

- Huawei Technologies Company;
- ZTE Corporation;
- Hytera Communications Corporation;
- Hangzhou Hikvision Digital Technology Company;
- Dahua Technology Company; and
- Subsidiaries or affiliates of the above-mentioned companies.

In implementing the prohibition, the agency administering loan, grant, or subsidy programs shall prioritize available funding and technical support to assist affected businesses, institutions and organizations as is reasonably necessary for those affected entities to transition from covered communications equipment and services, to procure replacement equipment and services, and to ensure that communications service to users

and customers is sustained.

The contractors should furnish telecommunications and video surveillance equipment with a certificate of compliance. The certificate must state telecommunications and video surveillance equipment was not procured or obtained from manufacturers identified in the above list.

SECTION 1 SPECIFICATIONS AND PLANS

SPECIAL NOTES:

1. Official bid documents including plans and specifications are available online at http://www.cityofturlock.org/capitalprojects. All bids submitted for this project must conform to the requirements of the official bid documents, including plans and specifications.

2. An optional Pre-Bid meeting will be held on Monday, July 13, 2026 at 10:00AM at Turlock City Hall, 156 S. Broadway Turlock, CA 95380.

3. Prime Contractor must self-perform a minimum of 30% of work with own forces.

4. Contractor shall coordinate electrical connection with Turlock Irrigation District.

5. This project must follow California Business and Professions Code section 7108.5. The Contractor must submit Exhibit 9-P to the Local Agency administering the contract by the 15th of the month following the month of any payment(s). If the Contractor does not make any payments to subcontractors, supplier(s) and/or manufacturers they must report "no payments were made to subs this month" and write this visibly and legibly on Exhibit 9-P.

1.01 SPECIFICATIONS:

The work described herein shall be done in accordance with the current City of Turlock Standard Specifications and the 2023 Edition of the State of California, Department of Transportation Standard Specifications (unless a different version is specifically noted) and Standard Plans (with exception that English units are to be used in place of metric) and in accordance with the following Special Provisions.

The Contract Documents are complementary; what is required by one is as binding as if required by all.

It is the intent of the Contract Documents to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided whether or not specifically called for at no additional cost to City.

Clarifications and interpretations of the Contract Documents shall be issued by Engineer.

In case of conflict or discrepancy between any of the Contract Documents, the order of documents listed below shall be the order of precedence, with the first item listed having the highest precedence.

1. Contract Change Order (Modifications or changes last in time are first in precedence).
2. Addenda to Contract Agreement
3. Contract Agreement
4. Permits
5. Special Provisions
6. Notice Inviting Bids and Instructions to Bidders
7. Project Drawings
8. City of Turlock Standard Specifications
9. City of Turlock Standard Drawings
10. Caltrans Standard Specifications

11. Caltrans Standard Plans

With regards to discrepancies or conflicts between written dimensions given on drawings and the scaled measurements, the written dimensions shall govern.

With regards to discrepancies or conflicts between large-scale drawings and small-scale drawings, the larger scale shall govern.

With regards to discrepancies or conflicts between detailed drawings and referenced standard drawings or plans, the detailed drawings shall govern.

In the event where provisions of codes, safety orders, contract documents, referenced manufacturer's specifications or industry standards are in conflict, the more restrictive and higher quality shall govern.

The Project Plans and Special Provisions are intended to be explanatory of each other. The work shall be performed and completed according to the true spirit, meaning, and intent of the Plans and Special Provisions.

Should it appear that the work to be done or any of the matters relative thereto are not sufficiently detailed or explained in these specifications, the special provisions, or the plans, the Contractor shall apply to the Engineer in writing for such further explanations as may be necessary and shall conform to them as part of the contract. All responses from the Engineer shall also be in writing. In the event of any doubt or question arising respecting the true meaning of these specifications, the special provisions or the plans, reference shall be made to the Engineer, whose decision thereon shall be final.

1.02 CONTRACTOR'S RESPONSIBILITY:

The Contractor shall examine carefully the site of the work and the plans and specifications therefore. The Contractor shall investigate to their satisfaction as to conditions to be encountered, the character, quality and quantity of surface, subsurface materials or obstacles to be encountered, the work to be performed, materials to be furnished, and as to the requirements of the bid, plans and specifications of the contract.

1.03 COMPLETENESS AND ACCURACY OF PLANS AND SPECIFICATIONS:

Pursuant to the California Public Contract Code, the bidder is required to review architectural or engineering plans and specifications prior to submission of a bid, and report any errors and omissions noted by Contractor to the architect, engineer or owner five days prior to the bid opening date.

SECTION 2 PROPOSAL REQUIREMENTS AND CONDITIONS

2.01 GENERAL:

The Contractor's attention is directed to the "Notice to Contractor" for the date, time and location of the mandatory Pre-Bid meeting, if applicable.

The bidder's attention is directed to the provisions in Proposal for this bid for the requirements and conditions which the bidder must observe in the preparation of and the submission of the bid.

The bidder's bond shall conform to the bond form in the Bid book for the project and shall be properly filled out and executed. The bidder's bond form included in that book must be used.

In conformance with Public Contract Code Section 7106, a Noncollusion Affidavit is included in the Bid book. Signing the Bid book shall also constitute signature of the Noncollusion Affidavit.

The contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of Title 49 CFR (Code of Federal Regulations) part 26 in the award and administration of US DOT assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the recipient deems appropriate. Each subcontract signed by the bidder must include this assurance.

Failure of the bidder to fulfill the requirements of the Special Provisions for submittals required to be furnished after bid opening, including but not limited to escrowed bid documents, where applicable, may subject the bidder to a determination of the bidder's responsibility in the event it is the apparent low bidder on a future public works contract.

2.02 EXISTING UTILITIES, FACILITIES, AND SITE CONDITIONS:

The actual sizes, locations and materials of existing utilities and facilities shown on the plans may vary from what is shown on the plans. Attention is directed to the possible existence of underground facilities not indicated on the plans or in the special provisions. Contractor shall be responsible for verifying the locations and nature of the existing utilities, protecting them from damage and notifying Engineer of their location and nature.

Contractor shall examine carefully the site of the work. It is assumed that Contractor has investigated and is satisfied as to the conditions to be encountered as to the character, quality and quantities of work to be performed.

Although the City of Turlock's soil conditions are homogenous and sandy in nature, various subsurface conditions such as hardpan, and ground water may be encountered. The City of Turlock will not be held responsible in any way for the type and character of subsurface conditions encountered. If a subsurface report is desired by Contractor, it will be Contractor's responsibility and expense to verify the subsurface conditions by boring or other means necessary prior to bidding and/or performing work. Attention is directed to Section 5.25, "Preservation of Property," of these special provisions during boring and other miscellaneous operations.

Full compensation for furnishing all labor, materials, tools, equipment (including dewatering devices), and incidentals, and for doing all the work involved with and/or in verifying existing utilities, facilities, site and subsurface conditions as specified above, shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed therefore.

Compensation for any portion of the Work not specifically identified in the Bid Schedule or Schedule of Values is understood to be included in the price for other items, unless specified in Special Provisions as extra work. No additional compensation is allowed to ensure the Work is completed as specified in the Contract.

2.03 FEDERAL LOBBYING RESTRICTIONS:

Section 1352, Title 31, United States Code prohibits Federal funds from being expended by the recipient or any lower tier sub recipient of a Federal-aid contract to pay for any person for influencing or attempting to influence a Federal agency or Congress in connection with the awarding of any Federal-aid contract, the making of any Federal grant or loan, or the entering into of any cooperative agreement.

If any funds other than Federal funds have been paid for the same purposes in connection with this Federal-aid contract, the recipient shall submit an executed certification and, if required, submit a completed disclosure form as part of the bid documents.

A certification for Federal-aid contracts regarding payment of funds to lobby Congress or a Federal agency is included in the Bid book. Standard Form - LLL, "Disclosure of Lobbying Activities," with instructions for completion of the Standard Form is also included in the Bid book. Signing the Bid book shall constitute signature of the Certification.

The above referenced certification and disclosure of lobbying activities shall be included in each subcontract and any lower-tier contracts exceeding $100,000. All disclosure forms, but not certifications, shall be forwarded from tier to tier until received by the Engineer.

The Contractor, subcontractors and any lower-tier contractors shall file a disclosure form at the end of each calendar quarter in which there occurs any event that requires disclosure or that materially affects the accuracy of the information contained in any disclosure form previously filed by the Contractor, subcontractors and any lower-tier contractors. An event that materially affects the accuracy of the information reported includes:

(1) A cumulative increase if $25,000 or more in the amount paid or expected to be paid for influencing or attempting to influence a covered Federal action; or

(2) A change in the person(s) or individual(s) influencing or attempting to influence a covered Federal action; or

(3) A change in the officer(s), employees(s), or Member(s) contacted to influence or attempt to influence a covered Federal Action.

2.04 DISADVANTAGED BUSINESS ENTERPRISES (DBE):

DBE requirements are on hold, per Caltrans Office Bulletin #25-07 R3. This subsection is not applicable for this project.

2.05 ESCROW BID DOCUMENTS:

1. SCOPE

The lowest Bidder shall submit, within the specified time after receipt of Bids, one copy of all documentary information generated in preparation of Bid prices for this Project. This material is hereinafter referred to as "Escrow Bid Documents." The Escrow Bid Documents of the Successful Bidder will be held in escrow for the duration of the contract.

The Successful Bidder agrees, as a condition of award of the contract, that the Escrow Bid Documents constitute the complete, only, and all documentary information used in preparation of his Bid. No other Bid preparation information shall be considered in resolving disputes.

Nothing in the Escrow Bid Documents shall change or modify the terms or conditions of the Contract Documents.

2. OWNERSHIP

The Escrow Bid Documents are, and shall always remain, the property of CONTRACTOR, subject only to joint review by OWNER and CONTRACTOR, as provided herein.

OWNER stipulates and expressly acknowledges that the Escrow Bid Documents, as defined herein, constitute trade secrets. This acknowledgment is based on OWNER's express understanding that the information contained in the Escrow Bid Documents is not known outside the Bidder's business, is known only to a limited extent and only by a limited number of employees of the Bidder, is safeguarded while in Bidder's possession, is extremely valuable to Bidder, and could be extremely valuable to Bidder's competitors by virtue of it reflecting Bidder's contemplated techniques of construction. OWNER acknowledges that the Bidder expended substantial sums of money in developing the information included in the Escrow Bid Documents and further acknowledges that it would be difficult for a competitor to replicate the information contained therein. OWNER further acknowledges that the Escrow Bid Documents and the information contained therein are made available to OWNER only because such action is an express prerequisite to award of the contract. OWNER further acknowledges that the Escrow Bid Documents include a compilation of information used in the Bidder's business, intended to give the Bidder an opportunity to obtain an advantage over competitors who do not know of or use the contents of the documentation. OWNER agrees to safeguard the Escrow Bid Documents, and all information contained therein, against disclosure to the fullest extent permitted by law.

3. PROGRAM

Escrow Bid Documents will be used to assist in the negotiation of price adjustments and Change Orders and in the settlement of disputes, claims, and other controversies. They will not be used for pre-award evaluation of CONTRACTOR's anticipated methods of construction or to assess CONTRACTOR's qualifications for performing the Work.

4. FORMAT AND CONTENTS

Bidders may submit Escrow Bid Documents in their usual cost estimating format. It is not the intention of this section to cause the Bidder extra work during the preparation of the Bid, but to ensure that the Escrow Bid Documents will be adequate to enable complete understanding and proper interpretation for their intended use. The Escrow Bid Documents shall be in the language of the Specifications.

The Escrow Bid Documents shall include all quantity takeoffs; crew; equipment; calculations of rates of production and progress; copies of quotations from equipment manufacturers, Subcontractors, and Suppliers; and memoranda, narratives, consultants' reports, add/deduct sheets, and all other information used by the Bidder to arrive at the prices contained in the Bid

Form. Estimated costs should be broken down into the Bidder's usual estimate categories, such as direct labor, repair labor, equipment operation, equipment ownership, expendable materials, permanent materials, and subcontract costs as appropriate. Plant and equipment and indirect costs should be detailed in the Bidder's usual format. CONTRACTOR's allocation of plant and equipment, indirect costs, contingencies, markup, and other items to each Bid item shall be included.

Bidding Documents provided by the OWNER should not be included in the Escrow Bid Documents unless needed to comply with the requirements of this section.

5. SUBMITTAL

The Escrow Bid Documents shall be submitted in a sealed container within one week after the time of receipt of Bids. The container shall be clearly marked on the outside with the Bidder's name, date of submittal, project name, and the words "Escrow Bid Documents."

The Escrow Bid Documents shall be accompanied with a certification signed by an individual authorized by the Bidder to execute the Bid Form, stating that the material in the Escrow Documentation constitutes the complete, only, and all documentary information used in preparation of the Bid and that he has personally examined the contents of the Escrow Bid Documents container and has found that the documents in the container are complete.

Prior to award, Escrow Bid Documents of the apparent Successful Bidder will be unsealed, examined, organized, and inventoried by representatives of OWNER, together with members of CONTRACTOR's staff who are knowledgeable in how the Bid was prepared. This examination is to ensure that the Escrow Bid Documents are authentic, legible, and complete. It will not include review of, and will not constitute approval of, proposed construction methods, estimating assumptions, or interpretations of Contract Documents. This examination is subject to the condition that, as trade secrets, the Escrow Bid Documents are proprietary and confidential as described in Paragraph 2. Examination will not alter any condition(s) or term(s) of the contract.

If all the documentation required in Part 4, "Format and Contents," has not been included in the original submittal, additional documentation shall be submitted, at OWNER's discretion, prior to award of the contract. The detailed breakdown of estimated costs shall be reconciled and revised, if appropriate, by agreement between CONTRACTOR and OWNER before making the award.

If the contract is not awarded to the apparent Successful Bidder, the Escrow Bid Documents of the Bidder next to be considered for award shall be processed as described above.

Timely submission of complete Escrow Bid Documents is an essential element of the Bidder's responsibility and a prerequisite to contract award. Failure to provide the necessary Escrow Bid Documents will be sufficient cause for OWNER to reject the Bid.

If the Bidder's proposal is based on subcontracting any part of the Work, each Subcontractor whose total subcontract price exceeds 5 percent of the total Contract Price proposed by the Bidder shall provide separate Escrow Bid Documents to be included with those of the Bidder. These documents will be opened and examined in the same manner and at the same time as the examination described above for the apparent Successful Bidder.

If CONTRACTOR subcontracts any portion of the Work after award, OWNER retains the right to require CONTRACTOR to submit Escrow Bid Documents from the Subcontractor before the subcontract is approved.

Escrow Bid Documents submitted by unsuccessful Bidders will be returned unopened, unless opened as provided above, as soon as they are no longer needed by OWNER and no later than immediately following award of the contract.

6. STORAGE

The Escrow Bid Documents of the Successful Bidder will be placed in escrow prior to award of the contract, for the life of the contract, in a mutually agreeable institution. The cost of storage will be paid by OWNER.

7. EXAMINATION AFTER AWARD OF CONTRACT

The Escrow Bid Documents shall be examined by both OWNER and CONTRACTOR, at any time deemed necessary after award of the contract by either OWNER or CONTRACTOR, to assist in the negotiation of price adjustments and Change Orders, or the settlement of disputes.

Examination of the Escrow Bid Documents after award of the contract is subject to the following conditions:

a. As trade secrets, the Escrow Bid Documents are proprietary and confidential as described in Paragraph 2.

b. OWNER and CONTRACTOR shall each designate, in writing to the other party and a minimum of 10 days prior to examination, representatives who are authorized to examine the Escrow Bid Documents. No other person shall have access to the Escrow Bid Documents.

c. Access to the Escrow Bid Documents will take place only in the presence of duly designated representatives of both OWNER and CONTRACTOR.

8. FINAL DISPOSITION

The Escrow Bid Documents will be returned to CONTRACTOR at such time as the contract has been completed and final settlement has been achieved.

SECTION 3 AWARD AND EXECUTION OF CONTRACT

3.01 GENERAL:

The Contractor's attention is directed to the provisions in the Contract for the requirements and conditions concerning award and execution of contract.

The contract shall be executed by the successful bidder and shall be returned, together with the contract bonds and insurance, to the City so that it is received within 10 working days after the bidder has received the contract for execution. Failure to do so shall be just cause for forfeiture of the proposal guaranty. The executed contract documents shall be delivered to the following address:

Attention: Gloria Aguilera
City of Turlock, Municipal Services Department
156 S Broadway, Suite 150
Turlock, CA 95380

Bid protests are due in writing by the fifth calendar day after the bid opening and are to be delivered to the following addressees:

William D. Morris, PE, PLS
City of Turlock, City Engineer
156 S Broadway Suite 150
Turlock, CA 95380

AND

Fred Pezeshk, PE
City of Turlock, Roads Program Manager
156 S Broadway Suite 150
Turlock, CA 95380
Telephone: (209) 668-5520
E-mail: FPezeshk@turlock.ca.us

The award of the contract, if it be awarded, will be to the lowest responsible bidder whose bid complies with all the requirements prescribed.

SECTION 4 BEGINNING OF WORK, TIME OF COMPLETION AND DELAY DAMAGES

Attention is directed to Section 5 "Time for Performance" of the Agreement.

At no time shall construction begin prior to the issuance of the Notice to Proceed. Any work performed prior to the Notice to Proceed shall be done at the Contractor's own risk and payment will not be made therefor.

The Contractor shall follow the sequence of construction and progress of work as specified in Section 5.26, "Order of Work," of these Special Provisions.

Should the Contractor choose to work on a Saturday, Sunday or Legal Holiday as defined in Section 5.19 "Working Hours," of these Special Provisions, the Contractor shall reimburse the City of Turlock the actual cost of engineering, inspection, testing, superintendent, and/or other overhead expenses which are directly chargeable to the contract. Should such work be undertaken at the request of the City, reimbursement will not be required.

Attention is directed to Section 5 (d) "Delay Damages" of the Agreement.

A pre-construction meeting will be held between Contractor and City prior to the beginning of construction. The exact time and place of this conference will be determined by City after award of the construction contract.

SECTION 5 GENERAL

5.01 LABOR NONDISCRIMINATION:

Attention is directed to the following Notice that is required by Chapter 5 of Division 4 of Title 2, California Code of Regulations.

NOTICE OF REQUIREMENT FOR NONDISCRIMINATION PROGRAM
(GOV. CODE, SECTION 12990)

Your attention is called to the "Nondiscrimination Clause", set forth in Section 7 1.02(2), "Nondiscrimination," of the Caltrans Standard Specifications, which is applicable to all nonexempt state contracts and subcontracts, and to the "Standard California Nondiscrimination Construction Contract Specifications" set forth therein. The Specifications are applicable to all nonexempt state construction contracts and subcontracts of $5,000 or more.

5.02 PREVAILING WAGE:

Attention is directed to Section 7-1.02K "Labor Code," of the Caltrans Standard Specifications, however certified payroll is not submitted to Caltrans for this project. Contractor shall submit certified payroll records to the DIR and to the City. Submissions to the City must be hard copy originals with wet-signatures. Electronic submissions will not be accepted in lieu of hard copies.

If there is a difference between the minimum wage rates predetermined by the United States Secretary of Labor and the general prevailing wage rates determined by the Director of the California Department of Industrial Relations for similar classifications of labor, the Contractor and subcontractors shall pay not less than the higher wage rate. Caltrans will not accept lower State wage rates not specifically included in the Federal minimum wage determinations. This includes "helper" (or other classifications based on hours of experience) or any other classification not appearing in the Federal wage determinations. Where Federal wage determinations do not contain the State wage rate determination otherwise available for use by the Contractor and subcontractors, the Contractor and subcontractors shall pay not less than the Federal minimum wage rate, which most closely approximates the duties of the employees in question.

State Prevailing Wage Rates

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county Stanislaus in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wages are set forth in the General Prevailing Wage Rates for this project, available at 156 S. Broadway St, Turlock, CA 95380 and available from the California Department of Industrial Relations' Internet web site at http://www.dir.ca.gov/DLSR/PWD. Changes, if any, to the general prevailing wage rates, will be available at the same location. Future effective general prevailing wage rates, that have been predetermined and are on file with the California Department of Industrial Relations are referenced but not printed in the general prevailing wage rates.

Federal Minimum Wage Rates

The Federal minimum wage rates for this project as predetermined by the United States Secretary of Labor are available online at https://sam.gov/wage-determination/CA20260018/5 The federal prevailing wage rate in effect for the entirety of this project shall be determination Wage Determination No. CA20260018, Modification No. **5**, as of the date of bid opening, unless otherwise modified by project addenda. If necessary, addenda will be issued to modify the Federal minimum wage rates.

5.03 DIFFERING SITE CONDITIONS:

1. Contractor's Notification: Promptly notify the City Engineer if you find either of the following conditions:

    a. Physical conditions differing materially from either of the following:

    - Contract documents
    - Job site examination

    b. Physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the Contract.

    c. Include details explaining the information you relied on and the material differences you discovered. If you fail to promptly notify the City Engineer, you waive the differing site condition claim for the period between your discovery of the differing site condition and your notification to the City Engineer. If you disturb the site after discovery and before the Engineer's investigation, you waive the differing site condition claim.

2. Engineer's Investigation and Decision Upon your notification: The Engineer investigates job site conditions and:

    a. Notifies you whether to resume affected work.

    b. Decides whether the condition differs materially and is cause for an adjustment of time, payment, or both.

5.04 REMOVAL OF ASBESTOS AND HAZARDOUS SUBSTANCES:

The contractor shall promptly, and before the following conditions are disturbed, notify the local public entity, in writing, of any:

1. Material that the contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.
2. Subsurface or latent physical conditions at the site differing from those indicated by information about the site made available to bidders prior to the deadline for submitting bids.
3. Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract.

Upon notification of any of the above, the City shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the contractor's cost of, or the time required for, performance of any part of the work, a change order shall be issued to modify the contract scope.

In the event that a dispute arises between the City and Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the contractor's cost of, or time required for, performance of any part of the work, the contractor shall not be excused from any scheduled completion date provided for by the contract, but shall proceed with all work to be performed under the contract. The contractor shall retain any and all rights provided either by contract or by law which pertain to the resolution of disputes and protests between the contracting parties.

When the presence of asbestos or hazardous substances are not shown on the plans or indicated in the specifications and the Contractor encounters materials which the Contractor reasonably believes to be asbestos or a hazardous substance as defined in Section 25914.1 of the Health and Safety Code, and the asbestos or hazardous substance has not been rendered harmless, the Contractor may continue work

in unaffected areas reasonably believed to be safe. The Contractor shall immediately cease work in the affected area and report the condition to the Engineer in writing.

In conformance with Section 25914.1 of the Health and Safety Code, removal of asbestos or hazardous substances including exploratory work to identify and determine the extent of the asbestos or hazardous substance will be performed by separate contract.

If delay of work in the area delays the current controlling operation, the delay will be considered a right of way delay and the Contractor will be compensated for the delay in conformance with the provisions in Section 8 1.07, "Delays," of the Caltrans Standard Specifications.

5.05 SIGNIFICANT CHANGES IN THE CHARACTER OF WORK

The engineer reserves the right to make, in writing, at any time during the work, such changes in quantities and such alterations in the work as are necessary to satisfactorily complete the project. Such changes in quantities and alterations shall not invalidate the contract nor release the surety, and the contractor agrees to perform the work as altered.

If the alterations or changes in quantities significantly change the character of the work under the contract, whether such alterations or changes are in themselves significant changes to the character of the work or by affecting other work cause such other work to become significantly different in character, an adjustment, excluding anticipated profit, will be made to the contract. The basis for the adjustment shall be agreed upon prior to the performance of the work. If a basis cannot be agreed upon, then an adjustment will be made either for or against the contractor in such amount as the engineer may determine to be fair and equitable.

If the alterations or changes in quantities do not significantly change the character of the work to be performed under the contract, the altered work will be paid for as provided elsewhere in the contract.

The term “significant change” shall be construed to apply only to the following circumstances:

a. When the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction; or

b. When a bid item of work, as defined elsewhere in the contract, is increased in excess of 125 percent or decreased below 75 percent of the original contract quantity. Any allowance for an increase in quantity shall apply only to that portion in excess of 125 percent of original contract item quantity, or in case of a decrease below 75 percent, to the actual amount of work performed.

5.06 UNAVOIDABLE DELAYS

No extension of time will be granted for a delay caused by a shortage of materials unless the Contractor furnishes to the Engineer documentary proof that he has made every effort to obtain such materials from all known sources, within reasonable reach of the work in a diligent and timely manner. The documentary proof shall indicate that the inability to obtain such materials, when originally planned, did in fact cause a delay in final completion of the entire work which could not be compensated for by revising the sequence of the Contractor’s operations. The term "Shortage of Materials" as used in this section, shall not apply to materials, articles, parts, or equipment that are processed, made, constructed, fabricated, or manufactured to meet the specific requirements of the contract. Only the physical shortage of material will be considered under these provisions as a cause for extension of time. Delays in obtaining materials due to priority in filling orders will not constitute a shortage of materials.

5.07 SUBCONTRACTING:
No subcontract releases the Contractor from the contract or relieves the Contractor of their responsibility for a subcontractor's work.

If the Contractor violates Pub Cont Code § 4100 et seq., the City may exercise the remedies provided under Pub Cont Code § 4110. The City may refer the violation to the Contractors State License Board as provided under Pub Cont Code § 4111.

The Contractor shall perform work equaling at least 30 percent of the value of the original total bid with the Contractor's own employees and equipment, owned or rented, with or without operators.

Each subcontract must comply with the contract.

Each subcontractor must have an active and valid State contractor's license with a classification appropriate for the work to be performed (Bus & Prof Code, § 7000 et seq.).

The prime contractor shall submit a LAPM Exhibit 16-B (DLA Subcontracting Request) prior to the pre-construction meeting. All subcontractors must be approved by the Resident Engineer prior to the subcontractor beginning work. This list shall contain all information identified on Exhibit 12-G of the Local Assistance Procedures Manuel.

At the pre-construction meeting, prior to starting work, Contractor shall submit a complete listing of subcontractors and the value of the work each subcontractor will perform.

Before subcontracted work starts, submit a Subcontracting Request form.

Do not use a debarred contractor; a current list of debarred contractors is available at the Department of Industrial Relations' Web site.

Upon request by the Engineer, immediately remove and not again use a subcontractor who fails to prosecute the work satisfactorily.

Each subcontract and any lower tier subcontract that may in turn be made shall include the FHWA-1273 Rev October 2023 "Required Contract Provisions Federal-Aid Construction Contracts" in Appendix D of these special provisions. Noncompliance shall be corrected. Payment for subcontracted work involved will be withheld from progress payments due, or to become due, until correction is made. Failure to comply may result in termination of the contract.

5.08 SUBCONTRACTOR AND DISADVANTAGED BUSINESS ENTERPRISE RECORDS:
DBE requirements are on hold, per Caltrans Office Bulletin #25-07 R3. This subsection is not applicable for this project.

5.09 PERFORMANCE OF DISADVANTAGED BUSINESS ENTERPRISES:
DBE requirements are on hold, per Caltrans Office Bulletin #25-07 R3. This subsection is not applicable for this project.

5.10 TRAINING
For the Federal training program, the number of trainees or apprentices is seventeen (17).

Section 14 of the Exhibit 12-G makes reference to City/County of _____ this is in reference to the City of Turlock.

5.11 BUY AMERICA REQUIREMENTS

Attention is directed to the "Buy America" requirements of the Surface Transportation Assistance Act of 1982 (Section 165) and the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) Sections 1041(a) and 1048(a), and the regulations adopted pursuant thereto. In conformance with the law and regulations, all manufacturing processes for steel and iron materials furnished for incorporation into the work on this project shall occur in the United States; with the exception that pig iron and processed, pelletized and reduced iron ore manufactured outside of the United States may be used in the domestic manufacturing process for such steel and iron materials. The application of coatings, such as epoxy coating, galvanizing, painting, and other coating that protects or enhances the value of steel or iron materials shall be considered a manufacturing process subject to the "Buy America" requirements.

A Certificate of Compliance, conforming to the provisions in Section 6 1.07, "Certificates of Compliance," of the Standard Specifications, shall be furnished for steel and iron materials. The certificates, in addition to certifying that the materials comply with the specifications, shall specifically certify that all manufacturing processes for the materials occurred in the United States, except for the above exceptions.

The requirements imposed by the law and regulations do not prevent a minimal use of foreign steel and iron materials if the total combined cost of the materials used does not exceed one-tenth of one percent (0.1 percent) of the total contract cost or $2,500, whichever is greater. The Contractor shall furnish the Engineer acceptable documentation of the quantity and value of the foreign steel and iron prior to incorporating the materials into the work.

5.12 PROMPT PROGRESS PAYMENT TO SUBCONTRACTORS:

In accordance with California Business and Professions Code section 7108.5, the prime contractor or subcontractor shall pay to any subcontractor, not later than seven days after receipt of each progress payment, unless otherwise agreed to in writing, the respective amounts allowed the contractor on account of the work performed by the subcontractors, to the extent of each subcontractor's interest therein. In the event that there is a good faith dispute over all or any portion of the amount due on a progress payment from the prime contractor or subcontractor to a subcontractor, the prime contractor or subcontractor may withhold no more than 150 percent of the disputed amount. Any violation of this requirement shall constitute a cause for disciplinary action and shall subject the licensee to a penalty, payable to the subcontractor, of 2 percent of the amount due per month for every month that payment is not made.

In any action for the collection of funds wrongfully withheld, the prevailing party shall be entitled to his or her attorney's fees and costs. The sanctions authorized under this requirement shall be separate from, and in addition to, all other remedies, either civil, administrative, or criminal.

The Contractor must submit Exhibit 9-P to the Local Agency administering the contract by the 15th of the month following the month of any payment(s). If the Contractor does not make any payments to subcontractors, supplier(s) and/or manufacturers they must report "no payments were made to subs this month" and write this visibly and legibly on Exhibit 9-P.

5.13 PROMPT PAYMENT OF FUNDS WITHHELD TO SUBCONTRACTORS:

The agency shall hold retainage from the prime contractor and shall make prompt and regular incremental acceptances of portions, as determined by the agency of the contract work and pay retainage to the prime contractor based on these acceptances. The prime contractor or subcontractor shall return all monies withheld in retention from all subcontractors within seven (7) days for construction contracts and fifteen (15) days for consultant contracts after receiving payment for work satisfactorily completed and accepted including incremental acceptances of portions of the contract work by the agency. Any delay or postponement of payment may take place only for good cause and with the agency's prior written approval. Any violation of these provisions shall subject the violating prime contractor or subcontractor to the penalties, sanctions, and other remedies specified in Section 7108.5 of the California Business and Professions Code and Section 10262 of the California Public Contract Code for construction contracts, and Section 3321 of the California Civil Code for consultant contracts. This requirement shall not be construed to limit or impair any contractual, administrative or judicial remedies otherwise available to the contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the contractor; deficient subcontractor performance and/or noncompliance by a subcontractor.

5.14 PAYMENTS:

At the end of each month the Contractor shall submit a proposed progress invoice. The invoice shall delineate each bid item, the amount of work performed for the invoice period (previous month) and the total amount of work performed to date. A sample invoice with all of the required items will be given to the Contractor at the pre-construction meeting.

With each proposed progress invoice, the Contractor must submit a certified list of subcontractors, material suppliers, and equipment suppliers that performed work during the pay period. The Contractor must submit Waiver and Release Forms in compliance with Civil Code sections 8132 through 8138 for the prime contractor and each listed subcontractor, material supplier, and equipment supplier as follows:

1. Upon initial submittal for progress payment, submit for the Contractor and each subcontractor, material, or equipment supplier a "Conditional Waiver and Release Upon Progress Payment".
2. Upon each subsequent submittal for progress payment, submit for the Contractor and each subcontractor, material, or equipment supplier a "Conditional Waiver and Release Upon Progress Payment" for the total amount through the current progress payment. The Contractor shall also submit an "Unconditional Waiver and Release Upon Progress Payment" reflecting the previous progress payment aggregate sum.
3. Upon submittal for final progress payment, submit for the Contractor and each subcontractor, material, or equipment supplier a "Conditional Waiver and Release Upon Final Payment". The Contractor shall also submit an "Unconditional Waiver and Release Upon Progress Payment" reflecting the previous progress payment aggregate sum.
4. Upon receipt of final payment, Contractor shall submit an "Unconditional Waiver and Release Upon Final Payment".

The Engineer will review the progress invoice and after any changes the Engineer makes, will issue an official invoice for the Contractor to sign. The Contractor shall sign the official invoice and return to the Engineer. After the Engineer receives the signed, official invoice, the progress payment will be processed.

Retention in the amount of 5% of the progress payment amount shall be held from all progress payments. Retention will be released 35 days after the Notice of Completion has been filed, insofar as no stop notices were filed.

Compensation for any portion of the work not specifically identified in the Bid Item List is understood to be included in the price for other items, unless specified in these special provisions as extra work.

5.15 FEMALE AND MINORITY GOALS

To comply with Section II, "Nondiscrimination," of FHWA-1273 "Required Contract Provisions Federal-Aid Construction Contracts," the following are for female and minority utilization goals for Federal-aid construction contracts and subcontracts that exceed $10,000:

See Section 12 of the Exhibit 12-G for additional requirements.

5.16 GUARANTY:

Attention is directed to Section 9-4, “Guaranty,” of the City of Turlock Standard Specifications.

5.17 PUBLIC SAFETY:

In addition to any other measures taken by Contractor pursuant to the provisions of the Standard Specifications and the General Conditions, Contractor shall install temporary precast concrete barrier rail between a lane and an excavation, obstacle or storage area when the following conditions exist:

A. Excavations - The near edge of the excavation is 12 feet or less from the edge of the lane, except:
    1. Excavations covered with sheet steel plates of adequate thickness to prevent accidental entry by traffic or the public.
    2. Trenches less than 1 foot wide for irrigation pipe or electrical conduit, or excavations less than 1 foot in diameter.
    3. Excavations parallel to the lane for the purpose of pavement widening or reconstruction. If a difference in excess of 0.15 foot exists between the elevation of the existing pavement and the elevation of an excavation within 12 feet of the edge of the traveled way at the end of each working day, place, and compact material against the vertical cut adjacent to the traveled way. During excavation operations, native material may be used for this purpose, however, once the placing of the structural section commences, structural material shall be used. The material shall be placed to the level of the elevation of the top of the existing pavement and tapered at a slope of 4:1 or flatter to the bottom of the excavation. Treated base shall not be used for the taper. Full compensation for placing the material on a 4:1 slope, regardless of the number of times it is required, and subsequent removing or reshaping of the material to the lines and grades shown on the plans shall be considered as included in the cost for other contract items of work and no additional compensation will be allowed therefore.
    4. Excavations in side slopes, where the slope is flatter than 1:4 (vertical: horizontal).
    5. Excavations protected by existing barrier or railing.

B. Temporarily Unprotected Permanent Obstacles - The work includes the installation of a fixed obstacle together with a protective system, such as a sign structure together with

protective railing, and the Contractor elects to install the obstacle prior to installing the protective system; or the Contractor, for the Contractor's convenience and with permission of the Engineer, removes a portion of an existing protective railing at an obstacle and does not replace such railing complete in place during the same day.

C. Storage Areas - Material or equipment is stored within 12 feet of the lane and the storage is not otherwise prohibited by the provisions of the Standard Specifications and these special provisions.

Personal vehicles of Contractor's employees shall not be parked on the traveled way or shoulders, including any section closed to public traffic. Whenever vehicles or equipment are parked on the shoulder within 6 feet of a traffic lane, the shoulder area shall be closed with traffic cones or portable delineators placed on a taper in advance of the parked vehicles or equipment and along the edge of the pavement at 25 foot intervals to a point not less than 25 feet past the last vehicle or piece of equipment.

During construction all streets shall have a minimum of one traffic lane, not less than 11 feet wide open for use by local traffic to access driveways of all businesses and residences. Pedestrian and emergency vehicle access to all residences and businesses shall be maintained at all times. The full width of the traveled way shall be open for use by public traffic on Saturdays, Sundays and designated legal holidays, after 4:00 p.m. on Fridays and the day preceding designated legal holidays and when construction operations are not actively in progress.

Clean-up shall be done as Work progresses at the end of each day and thoroughly before weekends. The Contractor shall not allow the Work site to become littered with trash and waste material, but shall maintain the same in a neat and orderly condition throughout the construction operation. Materials which need to be disposed shall not be stored at the Project site, but shall be removed by the end of each Working Day. If the job site is not cleaned to the satisfaction of the Engineer, the cleaning will be done or contracted by the City and shall be back-charged to the Contractor and deducted from the Contract Price.

The Contractor shall promptly remove from the vicinity of the completed Work, all rubbish, debris, unused materials, concrete forms, construction equipment, and temporary structures and facilities used during construction. Final acceptance of the Work by the City will be withheld until the Contractor has satisfactorily complied with the foregoing requirements for final clean-up of the Project site.

Construction materials and equipment shall not be stored in the City right-of-way unless otherwise authorized by the City. The Contractor shall make arrangements for storing its equipment and materials. The Contractor shall make its own arrangements for any necessary off-site storage or shop areas necessary for the proper execution of the Work. Approved areas within Work site may be used for temporary storage; however, the Contractor shall be responsible for obtaining any necessary permits from the City. Provide temporary precast concrete barrier rails to protect all temporary storage areas located within 12 feet of any lane, whether the roadway is open to through traffic or temporarily closed. In any case, the Contractor’s equipment and personal vehicles of the Contractor’s employees shall not be parked on the traveled way or on any section where traffic is restricted at any time.

The Contractor shall deliver, handle, and store materials in accordance with the manufacturer’s written recommendations and by methods and means that will prevent damage, deterioration, and loss including theft. Delivery schedules shall be controlled to minimize long-term storage of products at the Project site and overcrowding of construction spaces. In particular, the Contractor shall provide delivery and installation coordination to ensure minimum holding or storage times for materials

recognized to be flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other sources of loss.

Storage shall be arranged to provide access for inspection. The Contractor shall periodically inspect to assure materials are undamaged and are maintained under required conditions. All costs associated with the clean-up and storage required to complete the Project shall be the sole responsibility of the Contractor.

5.18 SOUND CONTROL REQUIREMENTS:

Sound control shall be in accordance with Section 14-8, "Noise and Vibration," of the Caltrans Standard Specifications and these special provisions.

The noise level from Contractor's operations, between the hours of 9:00 p.m. and 6:00 a.m., shall not exceed 86 dba at a distance of 50 feet. This requirement in no way relieves Contractor from responsibility for complying with local ordinances regulating noise level.

Said noise level requirements shall apply to all equipment on the job or related to the job, including but not limited to trucks, transit mixers or transient equipment that may or may not be owned by Contractor. The use of loud sound signals shall be avoided in favor of light warnings except those required by safety law for the protection of personnel.

Do not deliver, fuel or service construction equipment from 9:00 p.m. to 6:00 a.m. or on Sundays at the project site unless authorized by the Engineer.

Full compensation for conforming to the requirements of this section shall be considered as included in the prices paid for the various contract items of work involved and no additional compensation will be allowed therefore.

5.19 WORKING HOURS:

Contractor's working hours shall be between 7:00 a.m. and 5:00 p.m., Monday through Friday, excluding legal holidays. No night work is permitted.

Contractor shall notify Engineer 48 hours prior to beginning work.

Contractor shall not work outside the above-mentioned working hours without prior written consent of Engineer.

Designated legal holidays are: January 1st, the third Monday in January, the third Monday in February, the last Monday in May, June 19, July 4th, the first Monday in September, November 11th, Thanksgiving Day, the day after Thanksgiving, and December 25th. When a designated legal holiday falls on a Sunday, the following Monday shall be a designated legal holiday. When a designated legal holiday falls on a Saturday, the preceding Friday shall be a designated legal holiday.

5.20 UNDERGROUND SERVICE ALERT REQUIREMENTS:

Contractor shall contact Underground Service Alert of Northern California at least 48 hours in advance of any construction activity, will or could damage or affect any underground utility or subsurface improvement, and obtain an inquiry identification number. Contractor shall notify Underground Service Alert in the event of change in the project limits or change in original work previously shown on the plans or indicated in the specifications. Contractor shall not commence construction prior to City Inspector receiving City's notice from USA North regarding this construction activity.

5.21 DUST CONTROL:

Dust Control shall conform to the provisions in Section 10, "Dust Control", of the City Standard Specifications, these special provisions, and the Dust Control Notes on the Plans.

All exposed surfaces shall be watered a minimum of twice daily, including on holidays and weekends, unless deemed unnecessary due to weather.

Full compensation for Dust Control will be considered as included in the various contract items of work requiring Dust Control, as determined by Engineer, and no separate payment will be made therefor.

5.22 WATERING:

Watering shall be in accordance with Section 17, "Watering," of the Caltrans Standard Specifications.

Full compensation for Watering will be considered as included in the various contract items of work requiring Watering, as determined by Engineer, and no separate payment will be made therefor.

5.23 USE OF HYDRANTS FOR CONSTRUCTION PURPOSES:

City will permit the use of a hydrant for construction purposes provided that the following are abided by:

1. A spanner wrench shall be the only type of wrench used on fire hydrants.
2. Contractor shall be liable for the damages to or loss of all hydrants and associated water lines and equipment which result from the use of this equipment.
3. Water shall only be used within City limits.
4. The vehicle must be approved by Engineer for approved backflow device.
5. Contractor shall pay a deposit on a water meter provided by the City. After the project ended the Contractor shall return the meter to the City for the release of the deposit.

Contractor shall obtain a no-fee monthly hydrant use permit for use of construction water for this project from the City of Turlock Municipal Services Department located at 156 S. Broadway Suite 270, Turlock, California 95380, ph:209-668-5590.

Use of city hydrants does not exempt Contractor from providing a water truck where hydrants cannot be utilized due to unsafe working conditions as deemed by Engineer.

5.24 PROGRESS SCHEDULE:

Contractor shall furnish City with a Critical Path Method progress schedule at the preconstruction meeting. Progress Schedules will be required for this contract and shall conform to the provisions in Section 7-5.01, "Progress Schedule" of the State Standard Specifications. If Contractor falls more than 10 working days behind the schedule, the Contractor shall submit an accelerated schedule to show how the work will be completed by the project Completion Date identified in the Agreement. The progress schedule shall show the construction activities extending for the duration of the working days. Any deviation from the outline must be approved by Engineer. Contractor shall not be allowed to start construction activities until the progress schedule is accepted by Engineer. Payment for the progress schedule shall be included under the Jobsite Management bid item.

5.25 PRESERVATION OF PROPERTY:

The work performed in connection with various existing facilities shall be in accordance with Section 7-8, "Preservation of Property," of the City Standard Specifications and these special provisions.

Due care shall be exercised to avoid injury or damage to existing improvements or facilities, utility facilities, adjacent property, and roadside trees, shrubs and other plants that are to remain in place.

Roadside trees, shrubs and other plants that are not to be removed and pole lines, fences, signs, markers and monuments, buildings and structures, conduits, pipelines under or above aground, sewer and water lines, sprinkler systems above or below ground, all roadway facilities, and any other improvements or facilities within or adjacent to the right-of-way shall be protected from injury or damage, and if ordered by Engineer, Contractor shall provide and install suitable safeguards, approved by Engineer, to protect such objects from injury or damage. If such objects are injured or damaged by reason of Contractor's operations they shall be replaced or restored at Contractor's expense. The facilities shall be replaced or restored to a condition as good or better as when Contractor entered upon the work, or as good as required by the specifications accompanying the contract, if any such objects are a part of the work being performed under the contract. Engineer may make or cause to be made such temporary repairs as necessary to restore to service any damaged facility. The cost of such repairs shall be borne by Contractor and may be deducted from any moneys due or to become due to Contractor under the contract.

The fact that any underground facility is not shown upon the plans shall not relieve Contractor of his responsibility under Section 2.02, “Existing Utilities, Facilities, and Site Conditions”, of these provisions. It shall be Contractor's responsibility, pursuant thereto, to ascertain the location of such underground improvements or facilities that may be subject to damage by reason of his operations.

The Contractor shall protect private improvements from damage. On-site private improvements may include, but are not limited to, trees, shrubbery, lawns, irrigation facilities, structures, mailboxes, parking lot pavement, concrete curbing, and driveway pavement. If such objects are damaged, they shall be replaced, repaired and or restored at the Contractor’s expense, to a condition as good or better as when the Contractor entered upon the property, as determined by the City Engineer.

During the contract period, the Contractor will not unreasonably interfere with business operations within the project limits or unreasonably delay access to or from private residential or commercial driveways. The Contractor, under circumstances within his control, will complete construction in a timely and diligent manner. The Contractor shall not be allowed to impact or restrict use of any residential or multi-family or business driveways for more than 48 hours. To meet this schedule the Contractor may submit, for approval by the City Engineer, high strength or early strength concrete mixtures or high strength or early strength concrete accelerators or additives at no additional cost to the City. During the 48 hour driveway closure, the Contractor shall provide street parking for the affected residences and businesses. Pedestrian and emergency vehicle access to all residences and businesses shall be maintained at all times.

The Contractor shall be responsible for repairing, replacing, or modifying all landscape and irrigation systems within and outside the right-of-way areas that are damaged, capped, or removed during construction. Damage shall include all that is caused as a result of any and all work associated with the contract. All repairs to both landscaping and irrigation system shall be done in a manner equal to or better than the previously existing conditions. If irrigation systems are damaged during trenching, curb, gutter and sidewalk improvements or other construction activities, the Contractor shall repair the damage within two (2) calendar days in order to maintain full operation of the system. Any loss and/or subsequent replacement of plant material due to damage of the irrigation system or the neglect to repair it promptly shall be the sole responsibility of the Contractor. Landscape replacement or repair shall be completed as soon as it will not be damaged by further construction activities.

The Contractor is not permitted to cut roots within the root protection zone without permission from the Engineer.

Root Protection Zone – this is the area of land immediately surrounding a tree that is left undisturbed and protected. The dimensions of the root protection zone are determined by measuring the diameter of the trunk and applying one foot of land area for every inch of trunk diameter (trunk diameter is measured at 4½ feet above grade). For example, a tree with a diameter of 12 inches will have a 12 foot radius as a root protection zone.

1. Root and branch pruning shall be done by or under the supervision of an ISA Certified Arborist provided by the Contractor, and meet or exceed ANSI A300 or approved Tree Care Industry Standards. A certified arborist must be onsite during the entirety of pruning and tree trimming. Submit for approval the qualifications of the proposed arborist.
2. Root and branch pruning shall be done prior to disturbance of the site. No disturbance shall be done within a distance of 3x the diameter of the tree, due to stability concerns.
3. Before disturbance, meet with the arborist and City Representative on site to confirm the layout of root and branch pruning.
4. The layout will be marked on the ground between the disturbance and the tree, typically 6” closer to the tree than the back of the new curb.
5. Root and branch pruning shall be done with a sharp tool, in such a way that does not pull on the roots or branches, but leaves smooth cuts, as directed by the certified arborist.
6. Once exposed, roots must be covered within 8 hours. If roots will be left exposed for longer than 8 hours, they must be kept moist. One option is to put moist burlap over the exposed roots or 3” of mulch and water thoroughly.

7-Days prior to beginning work on this project, the Contractor shall be required to notify adjacent or nearby residents / businesses. Residents / businesses shall be notified with a City-approved door hanger.

The Contractor shall be responsible for inserting the date on which a section of sidewalk (and driveways) are to be constructed. The door hangers will advise residents / businesses of parking and irrigation restrictions during and immediately in advance of the construction of proposed improvements. Any changes in the Contractor’s schedule shall require that re notification take place at the Contractor’s expense. It is the Contractor’s responsibility to obtain, at his expense, City-approved door hangers.

Door hangers shall be placed before 1:00 PM seven days before beginning work to allow sufficient time for City inspection of the hangers.

The Contractor shall not be allowed to begin work until the residents / businesses within the work area have been notified. Within 24-hours of distributing the notifications, the Contractor shall submit to the Engineer the street addresses, the time, and the date the notices were placed. The Contractor is responsible for providing on the notice the Contractor’s contact phone number(s) to be reached by the residents / businesses after hours and on weekends.

Full compensation for furnishing all labor materials, tools, equipment, and incidentals, and for doing all the work involved in protecting or repairing property as specified above including providing the services of an ISA Certified Arborist, shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed therefore.

5.26 ORDER OF WORK:

No work may take place prior to receipt of the Notice to Proceed. When required by the Special Provisions, the Plans or by the Engineer with advanced written notification of at least fifteen (15) working days, the Contractor shall follow the sequence of operations as set forth therein.

The Project is divided into three (3) phases, as described in Section 9 Description of Work. Phase 1 and Phase 3 shall be constructed concurrently. **Phase 1 and Phase 3 shall be completed prior to the start of Phase 2.**

The Contractor shall submit a baseline project schedule showing the sequential phasing. No overlapping of Phase 1 and Phase 2 is permitted unless the Contractor submits a revised schedule and receives prior written approval from the City. Approval of overlap does not relieve the Contractor of responsibility for maintaining access, safety, and overall Completion Date requirements.

The Contractor's attention is directed to Section 7-11 of the City Standard Specifications regarding cooperation between contractors. The Contractor shall coordinate with the Contractors of the projects listed below. The title sheet for each project are attached to these specifications - see Appendix B: Project Vicinity Maps.

- Project No. 23-068 Packages 2 & 3
- Project No. 25-023
- Project No. 25-024 Packages 1 & 2
- Project No. 25-025 Plan Packages 1 & 2
- Project No. 25-040

The Contractor shall protect in place the improvements constructed from the projects listed below, which are currently under warranty with the Contractor of that project. The Contractor shall repair any damage caused to these improvements at no additional cost to the City. The title sheet for each project are attached to these specifications - see Appendix B: Project Vicinity Maps.

- Project No. 21-021
- Project No. 22-001 Package 1
- Project No. 23-031 Packages 1 & 2
- Project No. 23-033
- Project No. 23-067 Packages 1, 2, & 3
- Project No. 23-068 Package 1
- Project No. 23-069

Geer Road is to remain open to traffic at **ALL TIMES**, with at least one - 12 foot lane open in each direction. Roadway reconstruction should be carried out in phases so roadway stays open throughout pavement construction process.

Night work is not allowed.

Intersection reconstruction should be carried out in phases so that the intersection stays open throughout the pavement construction process. Traffic is to remain open in all directions at all times, including all turning movements.

Notify adjacent residents and business in writing 14 calendars day before the scheduled street closure. Include the closure schedule and duration of closures in the notification. Local access must be

maintained at all times for traffic to all residences, businesses, and driveways within the construction zone. Contractor to provide "Businesses Are Open" signs, and be placed near business driveways.

Contractor shall coordinate all work at North Ave. with the Turlock Unified School District (TUSD). The sidewalk and new bus stop construction removal along the east side of Geer Road in front of Crowl Elementary School must be completed during school intermission. Contractor shall coordinate with the City and School District for the preferred work window, during school intermission.

Contractor shall coordinate all work at Calaveras Avenue/ Geer Road Intersection with the Stanislaus State. Contractor shall coordinate with the City and California State University - Stanislaus for the preferred work window.

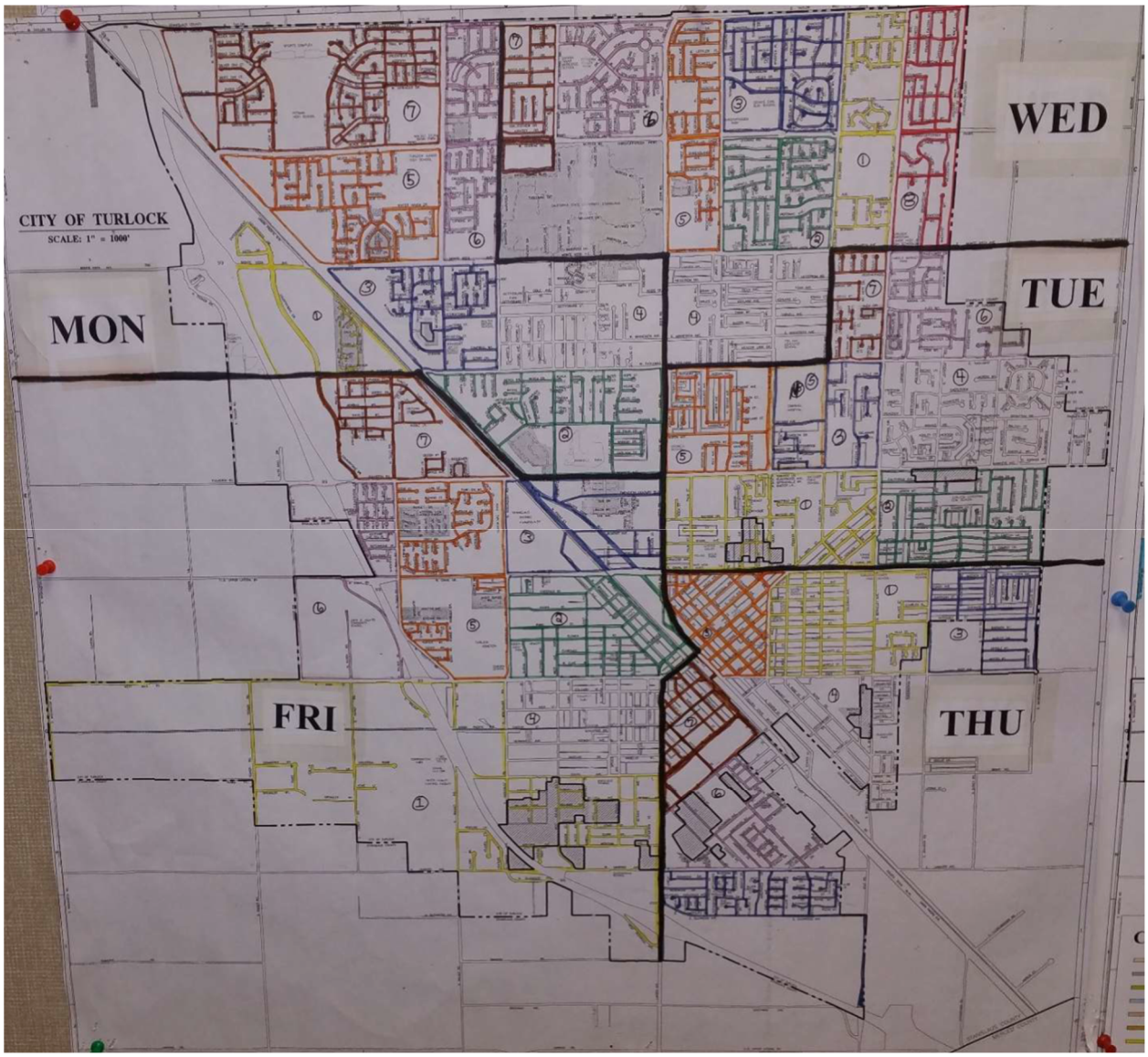
The Contractor shall place orders of all of the necessary items specified in the plans and specifications herein within 2 working days after approval of the submittal.

The Contractor shall not begin demolition or excavation until SWPPP, prepared by the Contractor, is approved by the City of Turlock.

The Contractor shall notify the Engineer and the property owner, 5 working days before beginning work on or adjacent to any private properties.

Coordination with Turlock Scavenger:
Contractor shall prepare daily schedules to avoid conflicts with garbage pick up by Turlock Scavenger. Contractor shall not complete any work in a given area on a scheduled garbage pick up day for that area.

See map showing Turlock Scavenger’s pick up schedule below.



5.27 AS-BUILTS:

When the job is complete, Contractor shall provide City with as-built drawings. These as-built drawings shall show any and all differences (revisions, additions, etc.) between the signed improvement plans and the installed improvements. The Contractor shall identify the depth and size of all utilities that are located in the field. The as-builts will consist of redlined signed improvement plans. The NOC will not be issued until acceptable as-builts have been received by the Engineer.

5.28 SURVEYING:

Construction survey staking shall be provided by the Contractor and shall comply with Chapter 12 of the Caltrans Surveys Manual. Contractor shall provide staking sufficient for the installation and inspection of all improvements shown on the plans. Staking shall remain in place for the inspection of all improvements and shall not be removed prior to obtaining permission from the Engineer.

Contractor is responsible for all construction surveying needed to verify all dimensions on the drawings. Within the first 10 working days, the Contractor's surveyor shall physically verify all conform or "match existing" locations (elevations and offsets) shown in the plans. The Contractor shall provide

an exhibit report to the Engineer reporting to the City any discrepancies before proceeding with any otherrelated Work.

The Contractor shall perform all survey and layout Work per the benchmark information on the Project Plans. All surveying Work must conform to the Professional Land Surveyors' Act (Business and Professions Code Section 8700 et seq). All Project surveying notes and "cut-sheets" are to be provided to the City after the completion of each surveying activity and all final surveying notes shall be provided before final payment to the Contractor.

The Contractor shall determine line and grade for each curb ramp, as specified in the plans. The line and grades shall meet current ADA guidelines and shall be approved reviewed by the Engineer prior to construction.

Construction surveying shall be paid per LUMP SUM (LS) bid item and shall include re-staking and replacement of construction survey markers damaged as a result of the Work, vandalism, or accident shall be at the Contractor's expense.

Preservation of existing monuments shall be Contractor's responsibility. Contractor shall notify City of all monuments that may/will be disturbed by construction operations. City will tie off said monuments and provide Contractor a notice to proceed.

Once Contractor is finished with its construction operations, City will relocate the monuments. Contractor shall install a monument well with concrete collar at each location which shall conform to the provisions in Section 22-1 "Survey Monuments" and Drawing M-1 "Monument Detail", of the City Standard Specifications and these specifications.

Prior to installation of all formwork, Contractor shall be required to notify the City a minimum of 48 hours in advance of scheduled formwork activities. The Engineer shall review the survey results and determine if the preparation of the building pad area is in conformance with the project plans and specifications. Contractor shall not proceed with installing formwork until after it is determined that the building pad area is in conformance with the project plans and specifications. After formwork is in place and prior to pouring any concrete, Contractor shall notify the City a minimum of 48 hours in advance for a survey of formwork. Upon completion of the survey, the Engineer may either approve or disapprove of the formwork. Contractor shall not proceed with pouring concrete until after the Engineer has certified that the area is in compliance with the project plans and specifications. Contractor shall be required to correct this work in a manner acceptable to the Engineer if found to not be in conformance with the project plans and specifications at his/her own expense.

The payment for construction surveying, as specified in these Special Provisions, is included in the payment for construction staking will be paid for on a lump sum basis. Re-staking and replacement of construction survey markers damaged as a result of the Work, vandalism, or accident shall be at the Contractor's expense.

5.29 TESTING:

Material testing for this project will be provided by the Contractor as set forth in Section 6 of the State Standard Specifications, the City Standard Specifications and the most current City Quality Assurance Program. The Contractor shall perform all testing to verify compliance with the Specifications of any and all materials furnished by the Contractor. The Contractor shall submit and receive the Engineer's approval of all compliance test results prior to incorporating materials into the project. The Contractor may elect to place material without the approved certificates of compliance and mix designs at

Contractor's own risk. The Contractor shall notify the Engineer in writing to get the approval of placement of material without approved certificates of compliance and mix design, and $10,000 will be withheld from the Contractor's progress payment for each certificate of compliance and mix design until the certificate of compliance and mix designs are submitted and approved.

Unless otherwise noted, the Contractor shall provide all Quality Control Testing including compaction testing for the native soil. Acceptance testing will be performed by the City. Coordination of said testing is the responsibility of Contractor. The Contractor shall provide at least 48 hours' notice to the Engineer in advance of all testing. All costs associated with Quality Control Testing shall be included in the unit prices for the various contract items. No separate payment will be made therefore.

At locations determined per the test method and/or sites chosen by the project inspector, Contractor's testing laboratory will conduct all tests. Contractor shall supply any necessary equipment and or labor required to obtain all samples for the completion of the testing process.

The Size, Frequency, and Location of Sampling and Testing (non-NHS and non-SHS projects) and Materials Typically Accepted by Certificate of Compliance are shown in Appendix 2 and Appendix 3 of the City Quality Assurance Program. Additional requirements are set forth in the State Standard Specifications. All relative compaction shall be determined by the in-place dry density of soil expressed as a percentage of the maximum dry density of the same material as determined by ASTM D-1557.

A copy of the City Quality Assurance Program is attached to and made part of these Special Provisions - see Appendix F - Quality Assurance Plan.

5.30 SUBMITTALS:

General

Before making submittals, Contractor shall ensure that products and materials will be available in the quantities and in the time required by the Contract and the approved outline of construction activity. Each submittal shall clearly identify, by highlighting, arrows or other defined and permanent mark, the products and materials proposed for use.

All Submittals shall be made to Engineer by Contractor, including those generated by subcontractors and suppliers. Contractor shall carefully review all subcontractor and supplier submittals before submitting to Engineer for review. Submittals received from sources other than Contractor's office shall be returned without action. If a submittal contains extraneous information, unmarked options or is incomplete, it will be returned to Contractor for correction and require re-submittal.

Submission

Submittals shall be made electronically in accordance with Section 5.33, "Internet Based Construction Management System," of these special provisions.

Each submittal shall contain, at a minimum, the following information:

1. Title page including the following information:

   Name of Contractor

Name of subcontractor (if applicable)
Description of item
Item Number on Bid Schedule
Contractor's initials and date indicating approval of item for submittal to Engineer

2. The brochure, product data sheet or catalog cut sheet. For all Product Data and Manufacturer's Instructions, excise or cross out non-applicable information and clearly mark applicable information with citations to and terminology consistent with Contract Documents.

3. Submittals that involve engineering computations or original design work shall show the name, the California State registration number, seal, and signature of the Professional Engineer certifying that such computations or design work are correct and in conformance with applicable standards, codes and accepted engineering practices.

4. For product samples, Contractor shall submit two (2) representative samples, one of which may be retained for the duration of the project or indefinitely at the discretion of Engineer. Although a reasonable attempt will be made to maintain the samples in good condition, neither City nor its representative will be responsible for the condition of the samples if returned to Contractor.

5. For material samples, unless a specific quantity is called for in the contract documents, Contractor shall submit a representative sample of the material, which may be retained for the duration of the project or indefinitely at the discretion of Engineer.

6. Certificates of compliance shall be submitted by Contractor to Engineer for those materials and products for which no sample and test results are specified. Certificates of compliance shall include the following information:

a. Statement that the product complies with the respective contract specifications.

b. Producer's name and address, product trade name and catalog number (if applicable), place of product origin, quantity of product to be furnished, and related contract plans and specification section numbers.

c. A certified copy of test results pertaining to the product from a certified independent testing laboratory. At the option of Engineer certified test results shall be signed and sealed by a Professional Engineer licensed to practice in the state of California.

d. Safety Data Sheets (SDS) for all materials used or stored on the site that possess a SDS, including materials used by Contractor for maintenance of equipment.

Review

Submittals will be processed by Engineer within ten (10) working days after receipt. When a submittal cannot be returned within that period, the Engineer will, within a reasonable time after receipt of the submittal, give notice of the date by which that submittal will be returned. Submittal shall receive one of four review actions:

1. No Exceptions Taken – The submittal is approved without comments.

2. Supply as Noted – The submittal is approved, provided that the Contractor addresses the included comments.
3. Rejected – The submitted product cannot meet project requirements and is rejected. Contractor shall provide a separate product that meets project requirements as a resubmittal.
4. Resubmit – The information provided with the submittal does not meet project requirements, however, Engineer has commented on some missing items that, if provided, may meet project requirements. Contractor shall resubmit the same product and provide additional information per the Engineer's comments.

Engineer will review submittals for general conformance with the Contract Documents. The work shall be in accordance with approved submittals except that the Contractor shall not be relieved of the responsibility for deviations from requirements of the Contract Documents by the Engineer's approval of Shop Drawings, Product Data, Samples or similar submittals unless the Contractor has specifically informed-the Engineer in writing of such deviation at the time of submittal as part of a cover letter to the submittal itself, and as a written communication separate from the submittal cover letter, and (1) the Engineer has given written approval to the specific deviation as a minor change in the Work, or (2) a Change Order or Construction Change Directive has been issued authorizing the deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples or similar submittals by the Engineer's approval thereof. The Engineer's review does not extend to accuracy of dimensions, quantities, or performance of equipment and systems designed by the Contractor, or means, methods, techniques, sequences, or procedures. Unless specifically authorized to do so by Engineer, Contractor shall not procure, manufacture, or fabricate any part of the contract work until submittals related to said contract work have been favorably reviewed by Engineer.

"Or Equal" Items

Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or equal" item or no substitution is permitted, other items of material or equipment or material or equipment of other Suppliers may be submitted to for review under the circumstances described below.

1. "Or Equal" Items: If in the Engineer's discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may be accomplished. A proposed item of material or equipment will be considered functionally equal to a named item if:

a. In the exercise of reasonable judgment Engineer determines that: (i) it is at least equal in quality, durability, appearance, strength, and design characteristics; (ii) it will reliably perform at least equally well the function of the named item, and;

b. Contractor certifies that: (i) there is no increase in cost to the City; and (ii) it will conform substantially, even with deviations, to the detailed requirements of the item named in the Contract Documents.

5.31 NOTICE OF POTENTIAL CLAIM:

Attention is directed to Section 5-1.43 "Potential Claims and Dispute Resolution," of the Caltrans Standard Specifications.

5.32 PRESERVATION OF EXISTING MONUMENTS:

Preservation of existing monuments shall be Contractor's responsibility. Contractor shall notify Engineer of all monuments that may/will be disturbed by construction operations. Engineer will tie off said monuments and provide Contractor a notice to proceed.

Once Contractor is finished with its construction operations, Engineer will relocate the monuments. Contractor shall install a monument well with concrete collar at each location which shall conform to the provisions in Section 22-1 "Survey Monuments" and Drawing M-1 "Monument Detail", of the Standard Specifications and these special provisions.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved with protecting existing monuments as specified above, shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed therefore.

5.33 INTERNET BASED CONSTRUCTION MANAGEMENT SYSTEM:

General

The Engineer and Contractor shall utilize Construction Management System (http://www.c-mis.com/), herein after called CMIS, for submission of all data and documents (unless specified otherwise in this Section) throughout the duration of the Contract. CMIS is an electronic project management system accessible through the Internet used to create, share, and review construction management documentation. CMIS is provided by the Engineer at no cost to the Contractor. CMIS will be made available to all Contractors' personnel, subcontractor personnel, suppliers, consultants, Engineer, and any of Engineer's representatives or agents. The joint use of this system is to facilitate electronic exchange of information, automation of key processes, electronic notification of project activity, and overall management of contract documentation. CMIS shall be the primary means of project information submission and management.

The Engineer will establish the Contractor's access to CMIS by enabling access and assigning user profiles to Contractor personnel, including subcontractors and suppliers, as requested by Contractor. All authorized personnel shall have an individual user profile; no joint-use or shared user profiles will be allowed. Each user profile shall be assigned to a user group and have specific permission settings and privileges based on the user's need within CMIS. Entry of information exchanged and transferred between the Contractor and its subcontractors and suppliers on CMIS shall be the responsibility of the Contractor.

The Contractor shall use computer hardware and software that meets the requirements of the CMIS system. As recommendations are modified by CMIS, the Contractor will upgrade their system(s) to meet or exceed the recommendations. Upgrading of the Contractor's computer systems will not be justification for a cost or time modification to the Contract. The Contractor shall ensure its own connectivity to CMIS through their internet service provider.

The Contractor shall be responsible for the validity of the information they place in CMIS, for the training of their personnel to understand and utilize CMIS, as well as the provision and accessibility of adequate resources to connect with CMIS. Accepted users shall be knowledgeable in the use of computers, including Internet browsers, email programs, and the Portable Document Format (PDF) document type. The Contractor shall utilize the existing forms in CMIS to the maximum extent possible. If a form does not exist in CMIS, the Contractor must include their own form or a form provided by the Engineer as an attachment to a submittal, RFI, or other document within CMIS. Note that only the following file types are accepted as attachments to documents within CMIS: PDF files, Microsoft Word (DOC) files, Microsoft Excel (XLS) files, picture files (JPG, TIFF, BMP, JPEG, etc.). PDF documents will be created through electronic conversion prior to uploading, such as through a "print to file" feature or "save as pdf" feature, rather than optically scanned whenever possible.

The Contractor shall provide a list of key CMIS personnel for the Engineer's acceptance. The list shall include the following information: first name, last name, address, title, office phone number, cell phone number, and email address. The Engineer is responsible for adding and removing users from the system and establishing read, write, and approval permission levels.

CMIS instructions are provided in the *Information Handout*.

Responses will be sent back to the Contractor. It is the Contractor's responsibility to disseminate responses to their subcontractors. Subcontractors will not have access to CMIS.

All costs associated with CMIS shall be included in other items of work and no separate payment will be made therefore.

Company Documents

This area is reserved for general documentation not related to a specific project. Only the Engineer shall post content in this area. Examples of content found in this area are: the City of Turlock Standard Specifications and Drawings, the Caltrans Standard Specifications, and the Caltrans Standard Plans. All files are in PDF format.

Project Summary

The project summary tab provides an overall summary of the project. It includes the current weather, the working days remaining and a summary of work for the past week. The summary of work is generated from the City's project inspector and the daily logs. This tab is for information only and the Contractor shall not take any action here.

Task Manager

The project schedule the Contractor submits is converted into a format that is uploaded by the Engineer into the task manager tab. The Contractor is responsible for providing schedule updates to the Engineer whenever the work progress in a manner different than the approved schedule.

Change Order Manager

The change order manager tab shall be used to track project change orders. Any potential change orders shall be tracked as a Request for Information (RFI) in the RFI tab. Once the Engineer agrees that a RFI will result in a contract change order, a new contract change order shall be created by the Engineer in the change order manager tab. The Engineer will finalize the contract change order through this tab. Once the change order is finalized, the Engineer will present the contract change order at a City Council meeting. After City Council approval the Engineer will make payment on the contract change order.

Transmittals

The transmittal tab shall be used to communicate general project information amongst all parties as well as used by the Contractor in the submission of certified payroll reports. The Engineer will upload the project-specific information including: bid documents, conformed plans, conformed specifications and the Notice to Proceed to the transmittal tab.

The Contractor shall submit certified payroll reports on a weekly basis through the transmittal tab. Each week shall have a separate transmittal where all the certified payroll reports and statements of non-performance for each contractor shall be posted.

Submittals

All submittals shall be submitted through the submittal tab. The preferred document type is PDF.

Before making submittals, the Contractor shall ensure that products and materials will be available in the quantities and in the time required by the Contract and the approved schedule of activities. Each submittal shall be legible and clearly identify, by highlighting, arrows or other defined and permanent mark, the products and materials proposed for use.

All submittals shall be generated from the prime contractor and any submittals that are uploaded by subcontractors or suppliers will not be reviewed. Contractor shall carefully review all subcontractor and suppliers submittals before submitting it to the Engineer for review. If a submittal contains extraneous information, unmarked options or is otherwise incomplete, it will be rejected and the Contractor shall make corrections and upload the resubmittal. Any resubmittal shall be made to the same transmittal item in CMIS.

Submittals shall be processed by the Engineer within ten working days after upload to CMIS. The Engineer will review submittals for general conformance with the Contract Documents and standards. Such review by the Engineer shall not relieve the Contractor of any responsibility for full compliance with the Contract Documents. Unless specifically authorized to do so by the Engineer, the Contractor shall not procure, manufacture, or fabricate any part of the contract work until submittals related to said contract work have been approved by the Engineer.

Each submittal shall have a unique title that is comprised of the item followed by a comma and the section of the specifications that reference the item (e.g. Minor Concrete, Section 8.01). The submittal type shall either be project materials or project information. The submittal description shall be used to identify any pertinent information or list a description of the item being submitted.

Certificates of compliance shall be submitted through the submittal tab. The submittal type shall be "certificate of compliance".

The Contractor shall submit progress invoices on the last working day of the month through the transmittal tab (select "progress invoice" for the type). The Engineer will review the submitted content and if found acceptable the Engineer will upload an official invoice for the Contractor to sign. The Contractor shall sign in blue ink and upload the signed invoice to the same transmittal where the Engineer will then process for payment.

RFIs

Submit an RFI through CMIS upon recognition of any event or question of fact arising under the Contract. The RFI type for this submittal shall be "Request for Information." The Engineer will also utilize the RFI tab in a similar manner when there is a question for the Contractor; this RFI type shall be "Response Required."

The Engineer responds to the RFI within 5 business days. Proceed with the work unless otherwise ordered. The Contractor may protest the Engineer's response by submitting an Initial Potential Claim Record form within 5 business days after receiving the Engineer's response.

The Prime Contractor shall submit all RFI's.

Daily Logs

The daily log tab is used by the City to document the activities of the work, any correspondence or direction given in the field, safety concerns and general comments about the project. The Contractor may view the contents of this tab for reference purposes. The information entered into the daily log tab is used to populate the project summary tab.

WSWD

The weekly statement of working days will be posted to the WSWD tab. CMIS automatically generates the WSWD from the information entered into the daily log tab. The WSWD shows the working days and non-working days charged for the reporting week, any time adjustments, a work completion date with the remaining working days left in the contract and the controlling activities for the week.

The Contractor will be allowed 15 days from the last working day of the weekly statement to protest in writing the correctness of the statement. The Contractor shall submit a transmittal stating what is being protested and the reasons for protest. The Engineer will respond to the protest. The Contractor may protest the Engineer's response by submitting a claim in accordance with Section 5.31 "Notice of Potential Claim" of the special provisions.

5.34 BUSINESS LICENSE:

Contractor shall obtain a City of Turlock business license prior to issuance of the Notice to Proceed. The cost of the business license is a up-front fee of eighty four dollars ($84) plus fifty cents per thousand dollars in revenue received for work performed on the project, made payable on a semi-annual basis. Business Licenses are obtained through the Finance Division at Turlock City Hall, 156 S. Broadway, Suite 114. Additional information can be found on the City's website at http://ci.turlock.ca.us/doingbusinessinturlock/businesslicenses/newbusinesslicense.asp.

Full compensation for obtaining a business license as specified above shall be considered as included in the prices paid for the various contract bid items and no additional compensation will be allowed therefore.

5.35 TEMPORARY CONSTRUCTION POWER:

If temporary construction power is determined to be needed by the Contractor to perform the work, Contractor shall arrange and pay for all temporary electric power. The cost of temporary power shall be considered as included in the various contract bid items and no additional compensation will be allowed therefore.

5.36 SALVAGE MATERIALS:

If Contractor is directed to salvage materials in the Contract Documents, Contractor shall arrange for delivery of said item(s) to the City of Turlock Corporation Yard located at 701 S. Walnut Road, unless noted otherwise. Contractor shall coordinate delivery of salvaged materials through the public works inspector.

5.37 PERMITS:

Permit:	Agency /Division:	Required for:	Fee	Notes
Erosion and Sediment Control Plan	City of Turlock	Any ground disturbing work	$0	See Special Provisions Section "STORM WATER POLLUTION PREVENTION PLAN (SWPPP)"
Encroachment Permit	City of Turlock	Any work within City limits, including traffic control	$0	Issued by City Municipal Services Department after contract execution
Encroachment Permit	Stanislaus County	Any work outside City limits including traffic control	Paid by Contractor, City will reimburse Contractor for permit fee by Change Order	Contractor shall apply for the permit and provide all required information for issuance of a permit. City will assist required with supplementary information as necessary
Monthly Hydrant Use Permit	City of Turlock Municipal Services Department	Use of construction water from hydrants	$0 though a deposit is required for meter	See Special Provisions section "USE OF HYDRANTS FOR CONSTRUCTION PURPOSES"

5.38 UTILITY COORDINATION:

The Contractor's attention shall be directed to Section 5.20, "UNDERGROUND SERVICES ALERT REQUIREMENTS" and Section 2.02, "EXISITNG UTILITIES, FACILITIES, AND SITE CONDITIONS", of these Special Provisions.

Relocation of the utilities by utility owner shown in the following table requires coordination with your activities. Make the necessary arrangements with the utility company through the Engineer and submit a schedule:

1. Verified by a representative of the utility company
2. Allowing at least the time shown for the utility owner to schedule and to complete its work:

Utility	Location	Time to complete work
AT&T	Various Locations - See Utility Plan	16 weeks
Charter	Various Locations - See Utility Plan	2 weeks
CVIN	Various Locations - See Utility Plan	3 weeks
PG&E	Various Locations - See Utility Plan	16 weeks

See project plans for Utility Contact Table.

All coordination with the utility companies shall be the Contractor's responsibility. All fees and permits associated with the City of Turlock shall be waived.

The cost to coordinate with utility companies shall be considered as included in the various contract items, and no additional compensation shall be made.

5.39 UTILITY VERIFICATION:

The City has endeavored to show on the Plans the approximate locations of utilities. The Contractor shall be responsible for verifying utility locations.

The location and existence of any underground utility or substructure was obtained from a search of available records. No guarantee is made or implied that the information is complete or accurate.

The locations and depths to public and private utilities shown on the plans are based on preliminary potholing survey investigations during the design phase. These locations and depths are not the only potholes required for construction of the project and the Contractor should identify additional needs in order to safely construct the project.

It shall be the Contractor's responsibility alone to determine the location of underground utilities or substructures of every nature and to protect them from damage.

The Contractor shall pothole all utilities, including service connections, which may be in conflict with the work.

DELAYS

All notification to utility companies insofar as the relocation or removal of a utility shall be made by the Contractor and Engineer shall be notified at least forty-eight (48) hours in advance of the needed work. Any costs for delay of the Contractor of utility companies in this regard shall be assigned to the Contractor, if these costs are a result of the Contractor's request being untimely in any respect excepting thereof any delay cost incurred as a result of the utility company not responding at their agreed time.

The Contractor shall submit a Utility Verification Plan to the Engineer for review and approval within 10 business days of Award. The Engineer shall have 5 business days to review the Utility Verification Plan. Potholing and/or verifications may not start until the Contractor's Utility Verification Plan has been approved by the Engineer. The Utility Verification Plan shall include the location of all known improvements and existing utilities (including but not limited to drainage, sewer, water, raw water, gas, petroleum, electric, communication, fiber, irrigation piping and electrical, highway lighting, street lighting, signals, traffic operating systems and railway facilities) that are shown on the plans, marked in the field, or could reasonably be inferred from the presence of visible above ground facilities, such as signal poles, roadway lighting, communication / traffic pull boxes, and existing irrigation facilities. The Utility Verification Plan shall detail the location of each proposed pothole by station and offset, proposed depth of pothole, method of potholing, proposed method of backfilling and surface restoration. The Utility Verification Plan shall also include a schedule of when the Contractor plans to perform the work demonstrated in the Utility Verification Plan noting the dates, times and locations of all lane closures required to perform the potholing and/or verifications. Activities for developing and submitting the Utility Verification Plan, the Engineer's review of the Utility Verification Plan and

performing the work detailed in the Utility Verification Plan shall be included in the Contractor's Baseline CPM Schedule, and all subsequent CPM schedules.

Within the first 10 working days, the Contractor shall physically verify all locations of existing utilities, and certify, in writing, that there are no conflicts with planned improvements. If there are conflicts, the Contractor shall indicate in writing, the specific conflict and allow the Engineer 10 working days to provide a response. The Contractor shall include a schedule activity for potholing (the Contractor's responsibility), and notification to the Engineer in the baseline schedule. The 10 working days for Engineer review shall be identified as a City-owned activity in the Contractor's baseline schedule. If there are no conflicts identified, this activity will then be shown as City-owned float. The Contractor shall not proceed with any other construction activities until acceptance is granted by the Engineer.

COOPERATION

The contractor shall cooperate with all agencies affected by the project and notifying them at least 72-hours prior to commencement of any work and adjacent to this project.

Compensation for conforming to the requirements of "COOPERATION", including furnishing all labor, materials, equipment and incidentals for accomplishing the work as specified herein, shall be considered included in the various contract item of work and no additional compensation shall be allowed.

The Contractor shall:

1. Cooperate with utility personnel; provide access to work site.

2. Coordinate Work of the Contract with affected utilities. All USA markings shall be removed after completion of the work for which the markings were provided, and before City's Acceptance and/or approval of the Work.

3. The Contractor shall coordinate all service disruptions and shutdowns with respective utility agencies.

4. The Contractor shall coordinate with Stanislaus County for portions of work within their right-of- way.

HIGH RISK UTILITY FACILITIES

Caution shall be used when working on or around high risk facilities within the Work area which may be potentially hazardous if damaged. A hazardous substance shall be defined as one having the potential for an immediate disaster such as, but not limited to, gasoline, electricity, fuel oil, butane, propane, natural gas, chlorine or other chemicals.

Transmission gas pipelines are within the project limits and are considered a high risk utility.

The Contractor shall comply with the following requirements when working around underground hazardous utilities:

i. The Contractor shall not trench or excavate within the area where a utility known to carry a hazardous substance exists until its location has been verified by potholing or other proven methods acceptable to the Utility Owner. The intervals between exploratory excavations or location points shall be sufficient to determine the exact location of the line. Unless otherwise directed by the Engineer, potholing for underground hazardous utilities shall be performed by the Contractor.

ii. If it is determined that the horizontal or vertical clearance between the utility known to carry hazardous substances and the construction limit is less than 12 inches (15 inches if scarifying), the Contractor shall confer with its owner. Unless the owner elects to relocate the line or take it out of service, the Contractor shall rehab per **Shallow Utility Alternative Pavement Section** in Technical Special Provision.

iii. Once the physical location of the utility known to carry hazardous substances has been determined, the Contractor, in cooperation with and with the concurrence of the utility owner, shall determine how to protect and/or support the utility from damage before proceeding with the Work.

iv. During all construction operations, the Contractor shall exercise extreme caution and protect the utilities from damage.

v. The Contractor shall notify the Engineer, the public agency maintaining records for the jurisdiction in which the Project is located and the owner, if known, whenever previously unidentified or unknown underground utilities are encountered so that the location can be accurately established and made a part of permanent substructure records.

Full compensation for protecting underground hazardous utilities as specified, identified or noted on the Plans shall be considered as included in the prices bid for the various items of work.

SECTION 6 CONTROL OF MATERIALS

The Contractor shall deliver, handle, and store materials in accordance with the manufacturer's written recommendations and by methods and means that will prevent damage, deterioration, and loss including theft. Delivery schedules shall be controlled to minimize long-term storage of products at the Project site and overcrowding of construction spaces. In particular, the Contractor shall provide delivery and installation coordination to ensure minimum holding or storage times for materials recognized to be flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other sources of loss.

Storage shall be arranged to provide access for inspection. The Contractor shall periodically inspect to assure materials are undamaged and are maintained under required conditions. All costs associated with the clean-up and storage required to complete the Project shall be the Contractor's sole responsibility.

The City uses a Quality Assurance Program (QAP) to ensure a material is produced to comply with the Contract.

The Contractor may examine the records and reports of tests the City performs if they are available at the job site.

Schedule work to allow time for QAP.

Testing of offsite material sources quality control is the Contractor's responsibility.

The acceptance testing performed by the Engineer does not relieve the Contractor of their responsibility to perform their own quality control (QC) testing as required by the *Standard Specifications* and these special provisions. The Contractor is responsible for the quality of the materials and the quality of work, including their subcontractors, suppliers, and fabricators. The Contractor may elect to perform QC testing in addition to those required by these special provisions to ensure satisfactory compliance with all contract requirements.

The QC manager shall have a minimum of 5 years of construction experience on projects similar to the work under this contract. Identify an alternate QC manager to serve in the event of the QC manager's absence. The requirements for the alternate shall be the same as for the designated QC manager.

Submit a QC plan that consists of plans, procedures, and organization necessary to construct a final product which complies with the contract. The QC plan shall cover all construction operations, both onsite and offsite, that require testing to ensure compliance. The QC plan shall be available at each location where work is performed.

Do not start any work identified in the QC plan until the QC plan is approved. The start of construction (first working day) will not be delayed, nor an extension of contract time (additional working days) be granted for any delay of work due to preparing and approving the QC plan.

The QC plan must be specific to this contract and address the following QC requirements:

1. Description of the QC organization, including an organizational chart showing lines of authority.
2. Determine when corrective actions are needed if an area of work does not comply with specifications.
3. Identify QC personnel, including the QC manager, by name, qualifications, duties, responsibilities, and authorities. Provide an organizational chart showing all QC personnel and their assigned QC responsibilities.

4. Include a letter signed by the Contractor which describes the responsibilities of the QC manager and delegates sufficient authority to the QC manager to adequately perform the required duties, including authority to stop work that is not in compliance.
5. Procedures for scheduling, reviewing, certifying, and managing submittals including those of subcontractors, offsite fabricators, suppliers, and manufacturers.
6. Procedures for the quality inspection of the materials which includes contractor verification testing of materials to ensure it meets specifications.
7. Control, verification, and manufacturing plant acceptance testing procedures for each specific test to ensure the quality of the Contractor's workmanship. Include test name, reference specification requiring test, feature of work to be tested, test frequency, typical sample locations, required documentation, and person responsible for each test. Laboratory facilities shall be properly certified and approved by the Engineer.
8. Specify corrective actions, including verification testing, to be implemented upon identification of construction deficiency.
9. Reporting procedures including all proposed QC forms, daily QC reports, and other reporting formats.

All costs associated with the QC plan shall be included in the unit prices for the contract items covered in the QC plan. No separate payment will be made therefore.

The Engineer will deduct the costs for testing of materials and work found to be unacceptable, as determined by the tests performed by the City, and the costs for testing of material sources identified by the Contractor which are not used for the work, from moneys due or to become due to the Contractor. The amount deducted will be determined by the Engineer. This testing, includes, but is not limited to, compaction, gradation, concrete testing asphalt, and any other testing identified by a California Test Method (CTM). Testing of offsite material sources shall be considered quality control testing and the Contractor's sole responsibility.

No payment will be made for material incorporated in the work until the correct certificate of compliance has been received and approved by the Engineer.

SECTION 7 (BLANK)

SECTION 8 PROSECUTION AND PROGRESS

8.01 START OF JOBSITE ACTIVITIES

The Engineer will issue a Notice to Proceed letter within 10 days after contract approval. The Notice to Proceed letter will state the earliest date on which the Contractor may commence jobsite activities. The Contractor shall not commence jobsite activities, subject to the exceptions listed in this section, prior to:

1. The date stated in the Notice to Proceed letter or
2. The Contractor receives authorization to start or
3. The following listed items are authorized or accepted by the Engineer:
   - 3.1. CPM baseline schedule
   - 3.2. SWPPP
   - 3.3. Contingency plan for opening closures to public traffic
   - 3.4. QC plan
   - 3.5. Material Safety Data Sheets
   - 3.6. Construction surveys
   - 3.7. Utility verification plan
   - 3.8. Notice of Materials to be Used form

Other than the submittals listed above, the Engineers' review times for any other submittals will not begin until the working days for the project have begun.

For purposes of determining time of completion, if the Contractor fails to accomplish all of the above listed items to the Engineer’s satisfaction within 10 business-days following the earliest date for starting work as stated in the Notice to Proceed letter, work will be deemed to commence on the 11th business-day after the earliest date for starting work as stated in the Notice to Proceed letter, and each subsequent business-day until the Contractor accomplishes the above listed items to the Engineer’s satisfaction will be considered to be a working-day as defined in section 1-1.07B of the State Standard Specifications.

Provided the Contractor has accomplished all of the above listed items to the Engineer’s satisfaction, the Contractor shall begin work within 10 working-days after the earliest date for starting work as stated in the Notice to Proceed letter. The Contractor shall diligently prosecute the work to completion within the time limit provided. For purposes of determining time of completion, work will be deemed to commence on the day the Contractor begins work or 11 working-days after the date specified in the Notice to Proceed letter, whichever is earlier, and in accordance with contract requirements.

The Contractor may enter the jobsite prior to the first working day only to:

1. Measure controlling field dimensions and verifying conform locations per Section 5.28 "SURVEYING" of these specifications.
2. Construction area signs.
3. Implementation of SWPPP best management practices once the SWPPP has been accepted.

Submit a notification 72 hours before starting job site activities.

8.02 PROJECT MILESTONES

This section describes damages due to the City should the Contractor fail to meet certain project milestones. Attention is directed to Section 5 “Time of Performance” of the Agreement for liquidated damages for the Contractor’s failure to perform all work on this project by the Completion Date.

The Contractor shall perform all required earthwork, grading, and initial paving (first lift) no later than eight (8) calendar days after the date when existing asphalt concrete surfaces have been demolished by way of cold plane grinding from any given area. On road sections that require video inspections of the sewer and storm drain mains in accordance with Section 10.09 "VIDEO SEWER AND STORM DRAIN", this time restriction may be extended to twelve (12) total calendar days. In the event the Contactor fails to complete the required work in the timeframe indicated, the City may deduct from payments or credits due Contractor a sum equal to two thousand five hundred dollars ($2,500) for each and every calendar day delay in finishing the work.

During road closures, the work must progress continuously until the work is complete and the roadway is fully reopened to traffic.

SECTION 9 DESCRIPTION OF WORK

The work includes all necessary labor, materials, tools, equipment and any incidentals needed to perform the improvements as shown on the contract plans. This work includes curb and gutter, median curb, landscape and irrigation, sidewalk and driveway reconstruction, curb ramp replacement, full depth HMA paving, full depth reclamation for pavement rehab, signing and striping, and modified signals.

The work includes all necessary labor materials, tools, equipment, and any incidentals needed to perform the improvements as described in these contract documents.

The Geer Road Pavement Rehabilitation Project is located along Geer Road from North Golden State Boulevard to Taylor Road. The project is a multi-phase improvement project.

The work includes pavement rehabilitation and preservation, reconstruction of median curb, installation of Class II bicycle lanes in both directions, Americans with Disabilities Act (ADA) curb ramp upgrades, and sidewalk gap closures. All existing median curb within the project limits shall be removed and replaced. Signal modification are also included in this project.

Construction shall be completed in three phases as described below.

Phase 1 extends from North Golden State Boulevard to Hawkeye Avenue. Work in this phase includes pavement rehabilitation consisting of grind and overlay operations and full-depth pavement rehabilitation at designated locations. Additional improvements include replacement of median curb, installation of Class II bicycle lanes, ADA curb ramp upgrades, and construction of sidewalk gap closures within the Phase 1 limits.

Phase 2 extends from Hawkeye Avenue to Monte Vista Avenue. Work in this phase includes pavement rehabilitation and preservation, replacement of existing median curb, installation of Class II bicycle lanes, ADA curb ramp improvements, and sidewalk gap closures where existing sidewalks are discontinuous.

Phase 3 extends from Monte Vista Avenue to Taylor Road. Work in this phase includes pavement rehabilitation consisting of grind and overlay operations and full-depth pavement rehabilitation at designated locations. Additional improvements include full replacement of median curb, installation of Class II bicycle lanes in both directions, ADA curb ramp upgrades, and construction of missing sidewalk segments within the project limits.

Timely Performance of Full Depth Pavement Recycling with Cement:

The City seeks to limit public impact due to construction, including the loss of access to paved roadway surfaces. Contractor shall perform all required earthwork, pulverizing and mixing existing pavement, and compacting and grading to complete pavement recycling operation. Completing the work within the number of working days shall be considered timely performance of pavement recycling work.

Failure to perform the work in a timely manner as specified herein shall subject the Contractor to damages identified in Section 5(d) of the Agreement.

Project No. 23-052
Geer Road Pavement Rehabilitation Phases 1, 2, and 3

The technical specifications contained herein have been prepared by or under the direction of the following Registered Persons.

TECHNICAL SPECIFICATIONS (SECTIONS 10 THROUGH 13)



REGISTERED CIVIL ENGINEER

10.01 POTHOLE EXISTING UTILITIES

Contractor shall verify the actual depth and horizontal location of existing underground utilities which may conflict with proposed underground storm drain systems, Full Depth Reclamation, or any work associated with this contract. Contractor shall exercise due diligence to utilize techniques and practices which will limit damage to located utilities, including vacuum truck and hand digging, or other means as required by the buried utility owner. Damage to buried utilities as a result of Contractor's failure to pothole shall be the Contractor's responsibility to repair at Contractor's expense.

The project plans depict sizes, horizontal locations, and materials of existing utilities based on surface evidence and facility maps from utility companies. Not all underground laterals for water, sewer, and gas are shown on plans and it is the contractor's responsibility to positively identify the depths of these facilities before performing work. The Contractor shall determine the presence of other underground utilities inferred from visible facilities, such as buildings, meters, and utility boxes. At a minimum, the Contractor shall anticipate 1 service lateral to each building from each utility main. Initial potholing was performed to help identify areas and locations where additional potholing would be required and is shown on the plans. Attention is directed to the possibility of utility locators marking utilities in locations other than what is shown on the plans or the possible existence of underground facilities not indicated on the plans or in the Special Provisions.

Contractor shall mark location and results of pothole efforts on an approved plan set. Contractor shall provide one copy, either physical or electronic, to the Engineer after pothole operations have been completed.

Pothole shall be backfilled with Aggregate Base per these specifications and native material in dirt and patched with cold permanent HMA.

The payment for Pothole Existing Utilities including all labor, material, tools, equipment and incidentals, and for doing all the work involved in verifying the actual depth and horizontal location of existing underground utilities shown on the plans which may reasonably conflict with the proposed excavation work, shall be included in Contract lump sum price paid for potholes for underground facilities.

10.02 CONSTRUCTION AREA SIGNS

Construction area signs shall include all temporary signs required for the direction of public traffic through or around the work during construction. Construction area signs must comply with the latest version of the California Manual on Uniform Traffic Control Devices (MUTCD) and in accordance with Section 11, "Traffic Safety" of City's Standard Specifications.

Temporary advance notification signs on Type III barricades shall be placed at all work zone entry points a minimum of 7 days prior to the start of construction at each roadway section. The signs must be 48" x 60" and include the anticipated construction start and completion dates. Reference City Standard Specification Section 11-13.

Construction area signs shall be installed at the locations shown on the plans as directed by the Engineer. Temporary NO PARKING signs shall be placed Type II barricades.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing construction area signs required for the direction of public traffic through or around the work and for erecting or placing, maintaining (including covering and uncovering as needed) and, when no longer required, removing construction area signs at locations shown on the

plans, shall be considered as included in the contract lump sum price paid for traffic control system and no separate payment will be made therefor.

Full compensation for furnishing, erecting, maintaining, and removing any additional construction area signs the Contractor may deem necessary will be considered as included in the lump sum price paid for traffic control system and no additional compensation will be allowed therefor.

10.03 TRAFFIC CONTROL SYSTEM

This section includes specifications for maintaining both pedestrian and vehicular traffic including street closure or detours if needed for all work within the public right-of-way. Submit Temporary Traffic Control Plan per section 11-2 of City Standard Specifications for approval before begin work. Contractor shall submit a completed Temporary Traffic Control Plan Checklist with submittal of the Temporary Traffic Control Plan. The checklist may be found online at the City's website at https://ci.turlock.ca.us/_pdf/trafficengineeringdoc.asp?id=4.

The Contractor shall implement traffic handling and staging as shown in the plans. Any deviation from the traffic handling and staging shown in the plans will be subject to the City's authorization.

If construction activities affect access to public parking, residential property, or commercial property, contractor shall post signs at 100-foot intervals on the affected streets at least 48 hours prior to starting construction. Signs must display No Parking – Tow Away, and be placed on Type II barricades. Signs must state the dates and hours parking or access will be restricted. To avoid unnecessary disruption of parking, placement of signs shall not extend beyond the work planned in Contractor's 3-week look ahead schedule. Parking restrictions are limited to working hours while active construction is being performed at a specific location. Notify residents, businesses, and local agencies at least 24 hours before starting activities. The notice must:

1. Describe the work to be performed
2. Detail streets and limits of activities
3. Indicate dates and work hours
4. Be authorized
5. State applicable penal code

Notify adjacent residents and business in writing 14 calendars day before the scheduled street closure. Include the closure schedule and duration of closures in the notification. Local access must be maintained at all times for traffic to all residences, businesses, and driveways within the construction zone. Contractor to provide "Businesses Are Open" signs, and be placed near every business driveway. This includes, but is not limited to, waste management (Turlock Scavenger), delivery (USPS, FedEx, etc.), and other City provided services. If the contractor's operations impact the providers' regularly scheduled services, alternative accommodations must be provided to the satisfaction of the Engineer at the Contractor's expense.

Intersection reconstruction should be carried out in phases so that the intersection stays open throughout the pavement construction process. Traffic is to remain open at all times.

All detour signs (M4 series or equivalent) must be accompanied by a 24" x 12" street name sign designating the roadway being detoured.

Traffic Control Systems shall include all temporary signs, and Flashing Arrow Signs, required for the direction of public traffic through or around the work during construction. Construction area signs must

comply with the latest version of the California Manual on Uniform Traffic Control Devices (MUTCD) and in accordance with Section 11, "Traffic Safety" of City's Standard Specifications.

Construction area signs shall be installed at the locations shown on the plans as directed by the Engineer.

All traffic control devices, including delineators, temporary traffic stripes and pavement markings, barricades and barriers, warning signs and lights, temporary fencing, and flaggers, must comply with the latest version of MUTCD and in accordance with Section 11 of the City Standard Specification.

Traffic Control System will be paid for on a lump sum basis, which lump sum price shall include full compensation for furnishing all labor, including flagging costs, materials, tools, equipment, and incidentals, and for doing all the work involved in traffic control, including preparation of temporary traffic control plan and notifications to residents and business, as specified in these Special Provisions, and as directed by the Engineer.

Full compensation for furnishing, erecting, maintaining, and removing any traffic control devices the Contractor may deem necessary will be considered as included in the lump sum price paid for traffic control system and no additional compensation will be allowed therefor.

10.04 PORTABLE CHANGEABLE MESSAGE SIGN

Each portable changeable message sign unit shall consist of a controller unit, a power supply and a structural support system, all mounted on a trailer. The unit shall comply with section 11-13, "Advance Notification of Work", of City Standard Specification and Section 12-3.32, "Portable Changeable Message Signs", of State Standard Specifications.

Portable changeable message signs will be paid for on a lump sum basis, which lump sum price shall include full compensation for the entire duration of construction. The lump sum price shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing, placing, operating, maintaining, repairing, replacing, transporting from location to location and removing the portable changeable message signs, as shown on the plans, as specified in City Standard Specifications and these Special Provisions, and as directed by the Engineer.

10.05 CONSTRUCTION FUNDING SIGNS

Contractor shall install construction funding signs per the details shown in the plans and in accordance with Section 12-3.11B(5) of State Standard Specifications and these Special Provisions.

Construction funding signs must be 96 by 48 inches complying with Section 6F.109(CA) of the California MUTCD.

Legend for the type of project and the funding partner agency pictographs must comply with detail shown on the plans.

Construction funding signs shown on the plans will be paid for by the unit from actual count designated on the plans or ordered by the Engineer. The contract unit price paid for construction funding sign shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing construction funding signs required, including erecting or placing, maintaining and, when no longer required, removing at locations shown on the plans or as directed by the Engineer.

10.06 JOB SITE MANAGEMENT

Job site management work includes spill prevention and control, material management, waste management, and non-stormwater management activities complying with section 13-4 of State Standard Specification except dewatering activities which must comply with Dewatering section of these Special Provisions.

Dewatering

Contractor shall examine carefully the site of the work. It is assumed that Contractor has investigated and is satisfied as to the conditions to be encountered as to the character, quality and quantities of work to be performed.

Although the City of Turlock's soil conditions are homogenous and sandy in nature, various subsurface conditions such as hardpan, and ground water may be encountered. The City of Turlock will not be held responsible in any way for the type and character of subsurface conditions encountered. If a subsurface report is desired by Contractor, it will be Contractor's responsibility and expense to verify the subsurface conditions by boring or other means necessary prior to bidding and/or performing work.

The Contractor shall furnish, install, operate and maintain all machinery, appliances, and equipment to maintain all excavations free from water during construction. The Contractor shall dispose of the water so as not to cause damage to public or private property, or to cause a nuisance or menace to the public or violate the law. The dewatering system shall be installed and operated so that the ground water level outside the excavation is not reduced to the extent which would cause damage or endanger adjacent structures or property. The static water level shall be drawn down a minimum of one foot below the bottom of excavations to maintain the undisturbed state of natural soils and allow the placement of any fill to the specified density. The Contractor shall have on hand, pumping equipment and machinery in good working condition for emergencies and shall have workmen available for its operation. Dewatering systems shall operate continuously until backfill has been completed to one foot above the normal static groundwater level.

The contractor shall control surface water to prevent entry into excavations. At each excavation, a sufficient number of temporary observation wells to continuously check the groundwater level shall be provided.

The control of groundwater shall be such that softening of the bottom of excavations, or formation of "quick" conditions or "boils", does not occur. Dewatering systems shall be designed and operated so as to prevent removal of the natural soils. The release of groundwater at its static level shall be performed in such a manner as to maintain the undisturbed state of the natural foundations soils, prevent disturbance of compacted backfill, and prevent flotation or movement of structures, pipelines and sewers. If an NPDES (National Pollutant Discharge Elimination System) permit is required for disposal of water from construction dewatering activities, it shall be obtained by the Contractor prior to any dewatering activities.

The contract lump sum price paid for job site management includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in spill prevention and control, material management, waste management, and non-stormwater management, including identifying, sampling, testing, handling, and disposing of hazardous waste resulting from your activities, as specified in State Standard Specifications and these Special Provisions, and as ordered by the Engineer.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing

all the work involved in dewatering activities, shall be considered as included in the lump sum price paid for job site management and no additional compensation will be allowed therefore.

10.07 LEAD AND HAZARDOUS MATERIALS COMPLIANCE PLAN

The *Initial Site Assessment (ISA), Geer Road Rehabilitation Project*, prepared January 26, 2026, identified the potential presence of hazardous materials within the project limits that require further investigation prior to and during construction activities. These materials may include aerially deposited lead (ADL) in roadside soils, asbestos-containing construction materials (ACCM) in existing concrete, and lead or chromium in existing thermoplastic traffic striping.

Prepare and implement a Lead and Hazardous Materials Compliance Plan that addresses worker safety, material handling, testing, disturbance, and disposal associated with these potential hazards. Comply with all applicable federal, state, and local regulations, including California Code of Regulations, Title 8, and all requirements of the City of Turlock. The Lead and Hazardous Materials Compliance Plan may be submitted as a single document, provided that lead-related, and asbestos-related requirements are clearly identified in separate sections.

The Lead and Hazardous Materials Compliance Plan shall address, at a minimum, the requirements described below.

Aerially Deposited Lead (ADL) and Agricultural Chemical Residues in Soils:

If roadside soils within the project limits are disturbed by excavation, grading, trenching, or utility work, evaluate the soils for aerially deposited lead (ADL) and, where applicable, agricultural chemical residues, including organochlorine pesticides (OCPs) and arsenic, to determine whether concentrations exceed hazardous waste limits.

Implement appropriate worker protection measures, material handling, containment, and disposal procedures for impacted soils in accordance with applicable regulations.

Asbestos-Containing Construction Materials (ACCM):

If existing concrete is removed or demolished, perform sampling and testing of the concrete to determine the presence of asbestos-containing construction materials (ACCM) prior to demolition activities.

- Conduct asbestos surveys and sampling by a Certified Asbestos Consultant (CAC).
- Comply with CCR Title 8, Section 1529, and applicable National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 61, Subpart M.
- Submit required notifications to the San Joaquin Valley Air Pollution Control District prior to demolition or renovation activities.

Handle, remove, and dispose of asbestos-containing materials in accordance with all applicable regulations and approved disposal facilities.

Thermoplastic Traffic Striping – Lead and Chromium

Existing white and yellow thermoplastic traffic striping within the project limits may contain hazardous concentrations of lead or chromium.

If thermoplastic traffic striping material is removed by cold planing, grinding, or sandblasting, do one of the following:

- Sample and test the traffic striping material to determine whether hazardous concentrations of lead or chromium are present; or
- Assume the traffic striping material contains hazardous concentrations of lead or chromium and handle and dispose of the removed material as hazardous waste.

Sampling and analysis of traffic striping material is not required if the striping is not disturbed, or if the disturbed pavement materials are recycled in accordance with applicable regulations.

Incorporate all identified lead and hazardous materials risks into the site-specific Health and Safety Plan, including employee training, exposure controls, personal protective equipment, hygiene facilities, and monitoring, as required by applicable regulations.

The project includes working with lead and will comply with regulations containing specific Cal/OSHA requirements per 8 CA Code of Regs § 1532.1.

Prepare and submit Lead and Hazardous Materials Compliance Plan conforming to section 7-1.02K(6)(j)(ii) of State Standard Specifications.

Payment shall be at the lump sum bid and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work involved in preparing and implementing Lead and Hazardous Materials Compliance Plan, including providing safety training for all employees with potential lead and hazardous materials exposure, supplying personal protective equipment and washing facilities as required by the regulations, as specified in these Special Provisions, and as ordered by the Engineer.

10.08 STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Prior to commencing construction, a Contractor shall submit to the Engineer a completed SWPPP signed and certified by a Qualified SSWPP Developer (QSD). Once approved, Contractor shall submit SWPPP and Notice of Intent (NOI) with the California Department of Water Quality Control Board. Contractor shall adhere to the SWPPP at all times. Contractor shall file the annual report when the project is completed.

All construction activities shall comply with the requirements of the "*State Water Resources Control Board Phae II Small MS4 General Permit Order No. 2013-0001-DWQ, NPDES General Permit No. CAS000004 for Storm Water Discharge Associated within Construction Activity*".

Erosion and Dust Control BMPs

Contractor is responsible to furnish, install, maintain, and remove when not needed, appropriate and effective best management practices (BMPs) required by the Permit to reduce erosion and sediment transport and all potential pollutant sources.

Furnish, install, maintain, and remove temporary erosion and sediment control measures as required by the Permit.

Furnish, install, maintain, and remove temporary tracking control measures including street sweeping and dust control measures specified in Section 5.21, "DUST CONTROL", of these Special Provisions. Maintain a clean and safe worksite at all times, including street sweeping. If the Contractor fails to maintain a clean worksite, the City may order street sweeping or corrective action at the Contractor's cost.

The Lump Sum amount for Prepare SWPPP and Erosion and Dust Control BMPs shall include, but not be limited to, full compensation for the following:

1. Submit Permit Registration Documents (PRDs) per Attachment B of the Construction

General Permit (CGP) to the State of California Water Resources Control Board, pay associated fees, and obtain permit approval.

2. Develop a SWPPP to conform to determined Risk Level and the Permit. This Project is Risk Level 1.

3. Administer, implement, maintain, and ensure adequate functioning of the various water pollution control measures identified within the SWPPP during construction including all visual inspections, sampling, monitoring and reporting requirements statutorily required for the determined Risk Level of the project site. These tasks shall be performed by the Contractor's Qualified SWPPP Practitioner (QSP) or Qualified SWPPP Developer (QSD).

4. Provide and maintain all documentation (at the jobsite) and administration for the entire Contract period.

5. Perform all work required for construction of effective treatment control Best Management Practices (BMPs), i.e: contingency basins, chemical treatments, etc.

Measurement and payment for Prepare SWPPP, as described herein, shall be made at the contract lump sum price stated in the proposal. Full compensation for all work involved in the preparation, completion, and revision, including submitting permit registration documents and paying all fees, will be considered as included in the lump sum price paid for prepare SWPPP.

Full compensation for furnishing all work in visual inspections, sampling, monitoring, and reporting as required by the General Permit, shall be considered as included in the contract lump sum price paid for Prepare SWPPP and no additional compensation will be allowed therefor.

The lump sum price paid for erosion and dust control BMPs shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing, installing, maintaining, and removing temporary erosion, sediment, and dust control practices as shown on the SWPPP, as specified in these Special Provisions, and as directed by the Engineer.

Full compensation for furnishing and installing treatment control BMPs shall be considered as included in the contract lump sum price paid for Erosion and Dust Control BMPs and no additional compensation will be allowed therefor.

10.09 VIDEO SEWER AND STORM DRAIN

The contractor shall furnish closed circuit television equipment for an interior inspection of the existing sewer and storm drain mains located within the roadway reconstruction limits. The first video inspection to document the existing condition of the sewer and storm drain mains shall be conducted no more than 14 days prior to the removal of the existing roadway. The second video inspection to demonstrate the Contractor did not cause any damage to the sewer or storm drain mains shall be conducted within 24 hours of completing final compaction of the subgrade, or micro-cracking of the FDR-C section. An electronic copy of the video inspection (standard DVD or Mpeg file format) shall be provided to the City within 24 hours of each inspection at no additional cost to the City. With the copy of the video, the Contractor shall certify, in writing, there is no damage to the inspected sewer and storm drain mains. If there is damage, the Contractor shall indicate in writing, the specific damage and location. The certification must be submitted to and authorized by the Engineer prior to placing HMA

pavement.

The requirements for the sewer and storm drain video inspections include:

1. The Video Inspection Company is to certify as to their ability to adequately perform the video inspection. The inspection shall be performed using POSM Sewer Inspection Software or approved equal.
2. Contractor will provide the City 48-hour notice of inspection schedule so the City inspector may be present to monitor the inspection.
3. A combination hydro-vac flush truck will be required to be on-site to aid in the video inspection.
4. A copy of the video inspection shall be submitted to the City as proof of inspection along with a certification letter stating no damage to the inspected sewer and storm drain lines has occurred.
5. Sewer lateral lines are to be documented by stationing distance from center line of manhole and the inspection form shall provide a map of the inspected lines.
6. Storm drain lateral lines to and between catch basins shall be video inspected as storm drain mains.
7. To facilitate review, the log of the inspections, the inspection reports, and the inspection videos shall correlate with the utility manholes, catch basins, etc. labeled using the City's numbering system shown in the sewer and storm drain utility grids to be provided by the City.
8. Joints shall have a view perspective, and have each joint inspected by turning the camera 90 degrees to the joint inspecting all 360 degrees of the connection.
9. Sewer laterals shall have a perspective view identifying clock position to the main and a view into the lateral to identify any damage at the lateral connection.
10. If debris are found during the inspection, the inspection must be terminated and restarted once the debris has been removed and more water flushed through the main.
11. Video Inspection shall be performed in the direction of flow.

The payment for sewer and storm drain video inspection including all labor, material, tools, equipment and incidentals, and for doing all the work involved in the sewer and storm drain video inspection shall be included in Contract lump sum price paid for Video Sewer and Storm Drain.

10.10 CONSTRUCTION STAKING

Construction survey staking shall be provided by the Contractor and shall comply with Chapter 12 of the Caltrans Surveys Manual, and Section 5.28 "SURVEYING" of these Specifications.

The lump sum price paid for Construction Staking shall include full compensation for doing all the work involved in construction staking, including furnishing all labor, materials, tools, equipment, and incidentals, including construction surveying, as specified in these Special Provisions, and as directed by the Engineer.

10.11 TRAINING

Contractor's attention shall be directed to Section 5.10 "TRAINING" of these Special Provisions.

For the Federal training program, the number of trainees or apprentices is seventeen (17).

Reimbursement can be made for all apprentices used on the projects without regard to the number of

apprentices listed for the goal or the number of hours used. The trainees must be registered in a bona fide federal apprenticeship program.

The contractor must provide periodic reports documenting their performance under this training special provision to the resident engineer and verify the apprentice hours on the payroll against the hours listed on the extra work bill. The contractor can submit one extra work bill at the end of the project for reimbursement or submit the extra work bills semi-annually.

In order for a contractor to be reimbursed the $0.80 per hour for each trainee, the resident engineer must write a change order for the hours claimed. The state approved apprentices can be on the prime or subcontractor's payroll.

10.12 MONUMENT PRESERVATION

Monument Preservation shall be completed by the Contractor and shall comply with Chapter 12 of the Caltrans Surveys Manual, and Section 5.28 "SURVEYING" of these Specifications.

The lump sum price paid for Monument Preservation shall include full compensation for doing all the work involved in monument preservation, including furnishing all labor, materials, tools, equipment, and incidentals, including monument preservation, as specified in these Special Provisions, and as directed by the Engineer.

10.13 REMOVE EXISTING IMPROVEMENTS

The Contractor's attention shall be directed to Section 5.20 "UNDERGROUND SERVICES ALERT REQUIREMENTS", Section 2.02 "EXISTING UTILITIES, FACILITIES, AND SITE CONDITIONS", Section 5.34 "UTILITY COORDINATION", Section 5.39 "UTILITY VERIFICATION", and Section 10.01 "POTHOLE EXISTING UTILITIES" of these Special Provisions.

Concrete, asphalt concrete and all other items designated on the plans to be removed or must be removed in order to install the improvements as shown on the plans, shall be removed and disposed of outside the City's right of way in accordance with the provisions in Section 7-10 of the City Standard Specifications. Sawcut all concrete and asphalt materials surfaces prior to removal per these Special Provision.

The Contractor shall protect all existing structures or facilities which are adjacent to or fall within the limits of the work to be done under this Contract and are called-out as Protect-in-Place or called-out as to Remain-in-Place, or called-out as to Remain. Any structure or facility to be protected which is damaged as a result of the Contractor's construction operation, shall be replaced by the Contractor, at their cost, to the satisfaction of the Engineer.

Clearing and Grubbing

Clearing and Grubbing shall conform to the requirements of the provisions in Section 17-2, "Clearing and Grubbing," of the State Standard Specifications, in accordance with the areas identified by the approved project plans, these Special Provisions, and as directed by the Engineer. Existing trash, construction debris, abandoned structures and other deleterious material are included in this item.

Areas to be cleared shall be grubbed to a depth necessary to remove brush, stumps, roots, buried logs

or concrete and other objectionable material. Clearing and Grubbing includes trees, less than 6-inches in truck diameter, called-out for removal in the plan. Grubbing shall extend to the limits of work line.

All areas used by the Contractor as temporary right-of-way and staging areas shall not be contaminated with fuels, chemicals, lime or other soil stabilization treatments. All waste oil, solvent, and refined petroleum products shall be collected in appropriate containers and disposed of properly.

All stockpiling of cleared and grubbed material designated by the Contractor for final removal shall be considered incidental to this paid item and no additional compensation shall be allowed therefore.

All combustible waste materials resulting from clearing and grubbing from any construction operations of this Contract shall be removed from the site to an acceptable disposal area.

Clearing and Grubbing shall be limited to the excavation and improvements limits and within two feet (2') of structures, or other items to be constructed. All other vegetation outside clear and grub areas shall be protected in place from damage resulting from the Contractor's operation. Any item outside the above limits that is damaged or destroyed by the Contractor shall be replaced or restored to its original condition prior to acceptance of the improvements or the Contractor shall compensate the City for its replacement.

Clearing and Grubbing shall include but not be limited to the following:

1. Removal and disposal of all shrubs, trees less than 6-inches trunk diameter, and vegetation as shown on the plans and removal of construction debris, trash, and deleterious material as required to construct the improvement as shown on the Plans and as described in the Specifications, and as directed by the Engineer.
2. Removal items include, but are not limited to, trash, striping (by grinding), landscaping, decorative private property items in public right-of-way, concrete pavers, reinforcing steel, rock, boulders and cobbles, stumps and roots, shrubs, other vegetation or organic materials, soil, irrigation systems, spoils, debris, wood posts, delineators, pavement markers, and all other objectionable materials which interfere with the Work whether or not specifically indicated on the Plans or otherwise shown to be protected or relocated.
3. Abandoned utility lines and structures not removed with Engineer's approval shall be filled with slurry and conduits plugged.

Clearing and grubbing shall also include the relocation, adjusting to grade or salvaging of all facilities so indicated on the Plans which are not designated as separate bid items or which are not included in other bid items.

The Contractor shall notify and coordinate with the Engineer for residential decorative items in City right- of-way, including decorative concrete pavers, decorative wall blocks, rocks used for landscape decoration, boulders, and custom signs. If directed by the Engineer, the Contractor shall salvage the items for the property owners by removing and carefully and placing item at a location near the disturbed area on the private property, with the property owner's approval.

Miscellaneous fencing materials may be encountered during Work. The terminal post of each fence removed shall be reinforced by bracing or other appropriate means to maintain the structural integrity of the portion of fence to remain. Relocation and reconnection of existing fences as shown on the Plans shall include all posts, hardware, and all incidentals necessary to complete the Work.

During demolition operations, the Contractor shall provide temporary graded driveways and continuing maintenance thereof to provide safe, smooth, stable and continuous access to all residences and businesses within the Project area. All costs, if any, associated with such grading operations shall be borne by the Contractor and no additional payment shall be made to the Contractor.

Unless otherwise noted on Plans, the Contractor shall protect all existing sewer, water, electric, telephone, communication, television, fire lines, street lights, traffic signal, irrigation, and other utilities, services and systems, whether shown on the Plans or not. The Contractor shall maintain all services in working condition during the course of the Work.

The Contractor shall remove all existing abandoned pipelines and conduits of any type or use, and pipelines and conduits of any type or use that are abandoned during the course of the Work and shall replace said pipelines and conduits with properly compacted soils. The Contractor shall immediately restore to full operation any utilities, services or systems that are disturbed during the course of the Work.

Remove Bollard
Remove Bollards shall comply with Section 15, "Existing Facilities," of the State Standard Specifications and these Special Provisions. Bollards are to be removed (including concrete footings) in their entirety and disposed of off-site.

Payment shall be made per unit and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in remove bollard as shown on the plans, as specified in the City Standard Specifications, these Special Provisions and as directed by the Engineer.

Remove Tree
Trees greater than 6-inches in truck diameter shown on the plans to be removed shall be removed conforming to the requirements of the provisions in Section 17-2, "Clearing and Grubbing," of the State Standard Specifications, in accordance with the areas identified by the approved project plans, these Special Provisions, and as directed by the Engineer.

Field verify trees to be removed before construction.

Cut, remove, and dispose of stumps and rootballs of removed trees a minimum of 24-inches below the existing terrain surface. Apply an herbicide or stump killer approved by the Engineer, to kill remaining roots. The holes resulting from removal of existing trees must be backfilled and compacted with material equivalent to the surrounding material. The backfill must be graded to conform to the adjacent existing grade and must be placed per Section 14 (Errata 1), of the City Standard Specifications.

Dispose of all tree debris from roadway, path or trail at each location before moving to next location.

Payment for Remove Tree shall be at the contract unit price per Each and shall include full compensation for furnishing all labor, materials, tools equipment, and incidentals and for doing all the work involved in removing existing tree, complete in place, including but not limited to, coordination with City to mark trees for removal; removal of the tree, roots, trunk, stump, branches completely; excavation, backfill resultant void; hauling and disposal; and all other appurtenances, as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

Remove Fence
Payment for Remove Fence shall be at the contract unit price per Linear Foot and shall include full compensation for furnishing all labor, materials, tools equipment, and incidentals and for doing all the work involved in removing existing fence, including but not limited to, removal and disposal of concrete foundations; and excavation, export, backfill, compaction; as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

Remove Gate
Payment for Remove Gate shall be at the contract unit price per EA and shall include full compensation for furnishing all labor, materials, tools equipment, and incidentals and for doing all the work involved in removing existing gate, including but not limited to, removal and disposal of concrete foundations; and excavation, export, backfill, compaction; as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

Remove Concrete Headwall
Concrete headwall must be completely removed if any portion of the structure is shown to be removed.

Payment for Remove Concrete Headwall shall be at the contract unit price per Each and shall include full compensation for furnishing all labor, materials, tools equipment, and incidentals and for doing all the work involved in removing concrete headwall including but not limited to, removal and disposal of headwall, removal and disposal of abandoned irrigation pipe; export, backfill, compaction; as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

Remove Storm Drain Pipe
Payment for Remove Storm Drain Pipe shall be at the contract unit price per Linear Foot and shall include full compensation for furnishing all labor, materials, tools equipment, and incidentals and for doing all the work involved in removing existing storm drain pipe, including but not limited to, removal and disposal of storm drain pipe; caping and abandoning connecting pipes in place and excavation, export, backfill, compaction; as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

Remove Drainage Inlet
Payment for Remove Drainage Inlet shall be at the contract unit price per Each and shall include full compensation for furnishing all labor, materials, tools equipment, and incidentals and for doing all the work involved in removing existing catch basins, including but not limited to, removal and disposal of catch basins; caping and abandoning connecting pipes in place and excavation, export, backfill, compaction; as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

Remove Utility Box
Payment for Remove Utility Box shall be at the contract unit price per Each and shall include full compensation for furnishing all labor, materials, tools equipment, and incidentals and for doing all the work involved in removing utility boxes, including but not limited to, removal and disposal of irrigation boxed; caping and abandoning connecting conduits in place and excavation, export, backfill, compaction; as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

Remove Backflow Preventer

Removal of the existing backflow preventer shall conform to the provisions in Section 15, "Water Systems", of the City Standard Specifications and these Special Provisions. Contractor to coordinate with City DOU Engineer in advance of work.

The contract unit price paid for remove backflow preventer includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in removing backflow preventer, complete in place, including trenching, excavating, lowering iron, installing a plug at the water main, backfilling, repaving, and disposing of excavated material, as shown on the plans, and as specified in these Special Provisions, and as directed by the Engineer.

Remove Roadside Sign (One-Post)
Remove roadside sign (one-post) shall conform to the applicable requirements Section 82-9 of the State Standard Specification and these Special Provisions.

Remove roadside sign (one-post) shall include notifying and coordinating with the Engineer; removal of existing sign panels, post, and foundation as specified on the contract documents or as approved by the Engineer.

All work shall be in accordance with the City Standard Specifications, the Standard Drawings, and these Special Provisions.

The contract price paid per each for remove roadside sign (one-post) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all of the work involved in removing existing roadside sign including, but not limited to, removal of the sign post, panel and hardware, as shown on the plans, as specified in the City Standard Specifications, these Special Provisions, and as directed by the Engineer.

The contract unit price paid per each for remove roadside sign (one-post) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in removing any footings, concrete foundations, repair of landscaping and irrigation, and removal of other appurtenances as necessary to cleanly and completely remove the existing sign post and backfill excavation areas to grade, complete in place, as shown on the plans, and as specified in these Special Provisions, and as directed by the Engineer.

Removal and Disposal of Materials
Unless otherwise stated on the Plans or Specifications, all material removed from the Work shall become the property of the Contractor and shall be disposed of in a lawful manner. Burning shall not be permitted on the site.

The Contractor shall conform to the following requirements:

1. In order to protect the public streets from deterioration due to hauling of materials, the Contractor shall submit, prior to the Pre-Construction Meeting, for approval a proposed route for hauling of materials for disposal. Upon approval, the Contractor shall strictly adhere to that route, unless written permission from the Engineer is obtained to change the route.

2. Prior to making removals, the Contractor shall meet with the Engineer to verify the limits of removals, locations of joins, to establish smooth joins and to ensure proper

drainage. The Contractor may make minor changes in the location of joins and the limits of removals, provided a smooth join and proper drainage can be achieved and it has obtained prior written approval from the Engineer.

3. The Contractor shall be responsible for recycling and for obtaining a suitable disposal site for the material not suited for recycling, and upon request, file with the Engineer the written consent of the owner of the property upon which he intends to dispose of such material.

4. The Contractor shall notify the Engineer, of any changed conditions or material differing from that represented in the Contract which the Contractor believes to be hazardous waste.

5. All combustible waste materials resulting from clearing and grubbing or from any construction operations of this contract shall be removed from the site as directed by the Engineer.

The Contractor is responsible for securing all required haul permits to transport removal material from the project site to the approved disposal site and the paying of all fees associated with the disposal of this material.

The lump sum price paid for clearing and grubbing shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in clearing and grubbing, including haul permits, fees, removal, haul away, and disposal of materials, as specified in the City and State Standard Specifications, these Special Provisions, and as directed by the Engineer.

All stockpiling of cleared and grubbed material designated by the Contractor for final removal shall be considered incidental to this bid item and no additional compensation shall be allowed.

Reinforcing or other steel may be encountered in portions of existing concrete items to be removed. No additional compensation shall be allowed for the removal of concrete containing reinforcing or other steel.

10.14 REMOVE CONCRETE (CURB)

Sawcut and remove and dispose of existing curbs including median curb, retaining curb, and curb and gutter, shall be at the locations shown on the plans, outlined by limits of the curb and gutter, or as required by the Engineer. Concrete removal shall include, but not be limited to, demolition, sawcutting, haul-off and disposal of excavated materials, or other work required to remove hardscape for proposed improvements.

Contractor shall leave a neat edge of pavement around all areas to be removed, prior to the start of any excavation.

Remove Concrete (Curb) includes landscaping median curb, vertical (median) curb, and retaining curb.

Payment for Remove Concrete (Curb) shall be at the contract unit price per linear foot and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in removing existing curb, hauling, disposal of both existing concrete and underlying aggregate base or subbase, as specified in these Special Provisions, and as directed by the Engineer.

Payment for Remove Concrete (Curb and Gutter) shall be at the contract unit price per linear foot and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in removing existing curb and gutter, hauling, and disposal of both existing concrete and underlying aggregate base or subbase, as required to complete the work in place. Removal of curb and widened gutter at drainage structure inlets shall be paid for under this pay item.

No additional payment for restoration of adjacent trees, roots, grass, and parkway, to remain-in-place, but damaged by the Contractor during construction, shall be made.

10.15 REMOVE CONCRETE (FLATWORK)

Remove Concrete (Flatwork) includes remove and dispose of existing driveways, sidewalks, pathways, valley gutter, concrete median (flatwork) and curb ramps. Removal shall be at the locations shown on the plans, outlined by limits of the driveway and sidewalk, or as required by the Engineer. The concrete removal work shall include, but not be limited to, demolition, sawcutting, haul-off and disposal of excavated materials, or other work required to remove hardscape for proposed improvements.

Contractor shall leave a neat edge of pavement around all areas to be removed, prior to the start of any excavation.

It shall be the sole and exclusive responsibility of the Contractor to provide for and include in its unit price any and all costs and expenses, to notify, schedule, coordinate and provide sufficient and adequate time for any and all inspections and survey as may be required by the plans, specifications, codes, ordinances, the resident, and/or any applicable governmental agency. The contractor shall maintain access for residential driveways and shall coordinate with the City to provide notice of disruptions to access. For sidewalk and curb ramp removal and replacements, the Contractor shall provide signage and pedestrian re-routing options, prior to closures.

Payment for Remove Concrete (Flatwork) shall be at the contract unit price per square yard and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in removing and disposing driveways, sidewalks, and curb ramps, complete in place, including breaking, removal, hauling, and disposal of both existing concrete and underlying aggregate base (as applicable), and backfilling, as shown on the plans, as specified in the City Standard Specifications and these Special Provisions, and as directed by the Engineer.

10.16 COLD PLANING AC PAVEMENT

Existing asphalt concrete pavement shall be ground at the locations shown on the plans. The removal depth will vary and shall be as determined by the contractor to establish the new roadway profile grades and cross-slopes shown in the plans. Grind, mill, and cold plane may be used interchangeability to indicate AC Pavement Grind per these project specifications.

Grinding asphalt concrete pavement shall be performed by the cold planing method. Grinding of the asphalt concrete pavement shall not be done by the heater planing method.

Cold planing machines shall be equipped with a cutter head not less than 30-inches in width and shall be operated so as not to produce fumes or smoke. The cold planing machine shall be capable of planing the pavement without requiring the use of a heating device to soften the pavement during or prior to the planing operation.

The depth, width and shape of the cut shall be as indicated on the typical cross sections or as directed

by Engineer. The planed AC surface depth is based on the proposed HMA section shown on the typicals in order to meet PG grades on the plans. The final cut shall result in a uniform surface conforming to the typical cross sections. The outside lines of the planed area shall be neat and uniform.

Planed widths of pavement shall be continuous except for intersections at cross streets where the planing shall be carried around the corners and through the conform lines. Following planing operations, a drop off of more than 0.15-foot will not be allowed at any time between adjacent lanes open to public traffic.

Where transverse joints are planed in the pavement at conform lines, no drop-off shall remain between the existing pavement and the planed area when the pavement is opened to public traffic. If asphalt concrete has not been placed to the level of existing pavement before the pavement is to be opened to public traffic a temporary asphalt concrete taper shall be constructed. Asphalt concrete for temporary tapers shall be placed to the level of the existing pavement and tapered on a slope of 30:1 or flatter to the level of the planed area.

Asphalt concrete for temporary tapers shall be commercial quality and may be spread and compacted by any method that will produce a smooth riding surface. Temporary asphalt concrete tapers shall be completely removed, including the removal of all loose material from the underlying surface, before placing the permanent surfacing. Such removed material shall be disposed of outside the highway right of way in accordance with the provisions in Section 7-10 of the City Standard Specifications.

The material planed from the roadway surface, including material deposited in existing gutters or on the adjacent traveled way, shall be become the property of Contractor and shall be disposed of at Contractor's expense. Removal/sweeping operations of cold planed material shall be concurrent with planing operations and follow within 50 feet of the planer, unless otherwise directed by Engineer.

Cold plane operations shall be scheduled such that not more than 7 calendar days shall elapse between the time when transverse joints are planed in the pavement at the conform lines and the permanent surfacing is placed at such conform lines.

At locations that are to be reconstructed utilizing Full Depth Reclamation-Cement, in lieu of cold planning the existing asphalt concrete, the contractor may pulverize and mix the entire asphalt concrete section into the base and subgrade soil as described in Section 10.21 "FULL DEPTH RECLAMATION - CEMENT". If the contractor chooses this option, compensation for the pulverization, removal, and hauling away of this additional excess material will be paid as Cold Plane Asphalt Concrete Pavement measured by the square yard as specified in this section.

Quantities of cold planning AC pavement to be paid for by the square yard will be calculated on the basis of the dimensions shown on the plans adjusted by the amount of any change ordered by Engineer. No allowances will be made for grinding outside those dimensions unless otherwise ordered by Engineer.

The contract price paid per square yard for cold planing AC pavement shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in grinding, complete in place, including furnishing and installing temporary hot mix asphalt taper, as shown on the plans, specified in the City Standard Specifications and these Special Provisions, and as directed by Engineer.

10.17 SAWCUTTING

The Contractor shall sawcut or leave a neat edge on the existing pavement at the pavement removal limits

specified on the approved Plans in a manner consistent with the applicable governing agency requirements and specifications.

Sawcutting shall be accomplished by the use of a power driven saw. The depth of cut shall be deep enough to produce a clean, straight break without loosening, cracking, or damaging adjoining asphalt or concrete. Waste material from sawcut operations shall be broom cleaned or vacuumed, and disposed of. Cleaning of sawcut area by washing and directing waste to public storm drains shall not be permitted.

The cost for Sawcutting shall be included in the various other bid items and no additional compensation will be made therefore.

10.18 EARTHWORK

Earthwork shall conform to the provisions in Section 19, "Earthwork", of the State Standard Specifications and these Special Provisions.

Attention is directed to the presence of shallow utilities within the limits of work. The Contractor shall anticipate the existing utility mains and laterals within the project limits that have not been potholed to be within the 15" to 12" vertical clearance range of the bottom of the subgrade compaction limits. The Contractor must choose appropriate means and methods during construction to avoid damaging the existing shallow underground utilities. The depths of existing utilities, where identified by pothole services, have been provided on the plans. It is the Contractor's responsibility to pothole existing utilities, as described elsewhere in the specifications, and provide a report on the depth of the existing facilities to the Engineer.

If the top of the existing utility is less than 12" below the bottom of the subgrade compaction limit, or less than 15" below the bottom of the subgrade compaction limit for High Risk Utility Facilities as defined in Section 5.39 "UTILITY VERIFICATION", the Contractor shall excavate and expose the existing utility using hand or other methods as allowed by the utility owner, then place the controlled low strength material per the Shallow Utility Alternative Pavement specification in the Technical Special Provision.

Surplus excavated material shall become the property of Contractor and shall be disposed of outside the right-of-way and shall conform to the provisions in Section 7-10, "Disposal of Materials Outside the Right of Way", of the City Standard Specifications.

Contractor shall not store any backfill, paving, or excavated material within the City right of way unless approved by Engineer.

All imported borrow (if required) shall be backfill material complying with Section 19-7 of the State Standard Specifications. All backfill material shall be compacted at 95% relative compaction for the entire depth of imported material. The minimum compacted section shall be six inches and shall be composed of import borrow, existing material, or a combination of both. The contractor shall provide a submittal to the Engineer for review prior to importing or placing material. Payment for Temporary backfill will be included in the price paid for the various items of work involved and no additional compensation will be allowed therefor.

Shoulder backing shall comply with Section 19-9 of the State Standard Specification. Shoulder backing

will be measured and paid by the cubic yard. This item will be a final pay item. See section 9-1.02C of the State Standard Specifications.

Roadway Excavation will be measured and paid by the cubic yard and the volume is determined from the average end areas and the distance between them. This item will be a final pay item. See section 9-1.02C of the State Standard Specifications.

The above price and payment for Roadway Excavation shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in importing, excavating, hauling, compacting, and removing the surplus material, as shown on the plans, specified in State Standard Specifications and these Special Provisions, and as directed by Engineer.

10.18A UNSUITABLE MATERIAL

When Unsuitable Materials are encountered, make reasonable efforts, as determined by the Engineer, to either dry out the soil or add moisture as needed to achieve proper compaction.

"Unsuitable Materials" are defined as material encountered below the natural ground surface in embankment areas or below the grading plane in excavation areas that the Engineer determines to be in any of the following conditions:

1. Of such unstable nature that it cannot be compacted to the specified density using ordinary methods at optimum moisture content.
2. Too wet to be properly compacted and cannot be dried before incorporating it into the work.
3. Excessive moisture alone is not sufficient cause for determining that the material is unsuitable inappropriate for the planned use.

Contractor shall notify the Engineer before removing the Unsuitable Material if:

1. Removal is not otherwise described.
2. You request separate payment for the removal and replacement under Item - Unsuitable Material

Subgrade material that is pumping, or unstable due to oversaturation shall not be considered Unsuitable Material pursuant to this section. Prior to notifying the Engineer that you have encountered Unsuitable Material, you shall perform Quality Control Testing verifying that material is not exceeding its Optimum Moisture Content requiring additional drying out effort. The Quality Control Testing Results shall accompany the notification to the Engineer that you have encountered Unsuitable Material. In Lieu of moisture conditioning the in-place soils, you may remove and replace soil at your expense.

Typical removal and replacement alternatives may consist of either Option 1 or 2:

1. Remove 6 inches of Unsuitable Material and replace with Class 2 Aggregate base over a Tensar NX750 Geogrid. The surface of the AB should meet the requirements of Section 26 of the Caltrans Standard Specifications and be compacted to at least 95% relative compaction based on the ASTM D1557 method. The geogrid should be placed per the manufacturer's recommended guidelines.

2. Remove 6 inches of Unsuitable Material and replace with compacted asphalt grindings over a Mirafi 160N filter fabric to provide a stabilized base prior to placing the deep lift asphalt. The filter fabric should be placed per the manufacturer's recommended guidelines.

When Unsuitable Material is identified by the Contractor and confirmed by the Engineer, the above price and payment shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in removal and placement alternative 1 or 2 as specified in these Special Provisions, and as directed by Engineer.

For the estimated quantity, assumed 25% of the Class 2 AB/HMA & Full Depth HMA structural section areas, multiplied by a depth of 6-inches.

The contract price paid per cubic yard (CY) for Unsuitable Material shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for performing all work involved in Unsuitable Material as specified in these Special Provisions and as directed by the Engineer. This includes, but is not limited to, removing and disposing of the Unsuitable Material and furnishing, placing, and compacting the replacement material.

10.19 DECOMPOSED GRANITE

Decomposed Granite shall comply with Section 20-5.03, “Inert Ground Covers" and Section 20-5.03D "Decomposed Granite” of State Standard Specifications. Contractor to apply preemergent weed control and filter fabric before placing the first layer of decomposed granite.

Payment shall be made per square foot of decomposed granite and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved including subgrade preparation, application of preemergent weed control and solidifying emulsion, in constructing decomposed granite as shown on the plans, as specified in the State Standard Specifications, these Special Provisions and as directed by the Engineer.

10.20 AGGREGATE BASE CLASS 2

Aggregate sub-base and base material shall consist of mineral aggregate, which has been spread and compacted on a prepared subgrade. This shall be to the established lines and grades shown on the plans and standard drawings.

Aggregate sub-base material shall be Class 2, in conformance with Section 25 of the Caltrans Specifications. Aggregate base material shall be Class 2, in conformance with Section 26 of the Caltrans Specifications. Aggregate base grading shall be 3/4" maximum.

Aggregate sub-base and base material shall conform to the City provisions section 12-5 “Aggregate Subbase and Base Material”.

The contract price paid for cubic yard for Aggregate Base Class 2 placed in the roadway structural section will be under the Aggregate Base Class 2 bid item and include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in placing and compacting the Aggregate Base, complete in place, as shown on the plans, and as specified in City Standard Specifications and these Special Provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore. The payment quantity, measured in cubic yards (CY), is determined from the theoretical dimensions shown. Payment will not be made for the volume of aggregate base used to fill low areas of the subgrade.

10.21 FULL DEPTH RECLAMATION - CEMENT

Full depth reclamation - cement shall comply with Section 30, “Recycled Pavement” and Section 30-4, "Full Depth Recycling - Cement," of the State Standard Specifications.

Work shall consist of pulverizing existing asphalt concrete, base, and subgrade soil following cold planing of existing asphalt concrete. Re-grade based on PG grades on plans and haul away excess material to allow for the net placement of new asphalt concrete. At the contractor’s option, in lieu of cold planing the existing asphalt concrete, the entire asphalt concrete section may be pulverized and mixed into the base and subgrade soil prior to regrading and hauling away the excess material to allow for the net placement of new asphalt concrete. Where fabric is present within the existing asphalt concrete on Geer Rd between Hawkeye Ave to 300 feet north of Calaveras Way, the Contractor shall remove it by cold planing a portion of the existing asphalt concrete pavement prior to pulverization operations. Following removal, the remaining asphalt concrete may be pulverized and blended with the base and subgrade materials prior to regrading. Add cement and water to the blended material in accordance with these and State Standard Specifications. Compact, fine grade to the grades required, cure and micro-crack the completed cement treated surface, prior to placement of asphalt concrete. Micro-cracking of the cement treated surface must be completed 48 to 56 hours after placement.

Obtain and test material every **500 feet** of the existing pavement structure by coring. Samples need to be taken randomly from NB, SB, and different lanes for a representative sample. A representation of the total roadway section needs to be accounted for in the Mix Design in the section identified below. The Contractor may perform additional sampling and testing to optimize the cement content and adjust for varying underlying materials. Determine the exact locations of the sampling locations between wheel paths. Do not sample in the shoulders. Sampling locations must provide sufficient representative material for the mix design.

The cement content must be **5 percent** by dry weight of FDR—cement with a dry unit weight of **6.5 lb/sf**, except an increase or decrease in the cement content may be ordered based on the Contractor’s mix design. The cement quantity and application rate shown are provided for cost estimating and bidding purposes only. The actual cement content and application rate shall be determined by the Contractor’s mix design and approved Job Mix Formula. The mix design shown on the plans and specification is based on the removal of all existing AC pavement. The actual mix design used for the project shall be determined by the Contractor in accordance with 30-4.01C(2)(b) “Mix Design,” of the State Standard Specifications. The mix designs shall be submitted to and authorized by the Engineer prior to cold planning the AC pavement. During progress of the work, if the Contractor encounters an isolated area that requires more cement than described in the mix design for that area, notify the Engineer before applying the cement.

A test strip per Section 30-1.01D(3) of the State Standard Specifications is not required.

At a minimum, separate mix designs must be developed for the following roadway segments:

1. Geer Rd, Canal Dr to Starr Ave
2. Geer Rd, Starr Ave to Wayside Dr
3. Geer Rd, Wayside Dr to Hawkeye Ave
4. Geer Rd, Hawkeye Ave to Pedras Rd
5. Geer Rd, Pedras Rd to Minnesota Ave
6. Geer Rd, Minnesota Ave to Regis St

7. Geer Rd, Regis St to Hayes Dr
8. Geer Rd, Hayes Dr to 300 feet north of Calaveras Way

Attention is directed to the presence of shallow utilities within the limits of work. The Contractor shall anticipate the existing utility mains and laterals within the project limits that have not been potholed to be within the 18" to 12" vertical clearance range from the bottom of the FDR-C section. The Contractor must choose appropriate means and methods during construction to avoid damaging the existing shallow underground utilities. The depth of existing utilities, where identified by potholing has been provided on the plans. It is the Contractor's responsibility to pothole existing utilities, as described elsewhere in the specifications, and provide a report on the depth of the existing facilities to the Engineer.

Full depth reclamation - cement will be measured by the square yard, determined from horizontal measurements of the pavement surface to be recycled.

The quantities of cement (full depth reclamation - cement) used in the mix will be measured by the ton.

Mix design for the full depth reclamation - cement as well as the CLSM will be paid for on the basis of lump sum prices.

The contract price paid per square yard for full depth reclamation - cement shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in constructing the full depth reclamation - cement, complete in place, including cleaning the surface, compacting and grading and surface finishing, all as shown on the plans, and as specified in State Standard Specifications and these Special Provisions, and as directed by the Engineer.

The contract price paid per ton for cement (full depth reclamation - cement) shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in furnishing cement in the mix, complete in place, as shown on the plans, and as specified in State Standard Specifications and these Special Provisions, and as directed by the Engineer.

The contract lump sum prices paid for mix design (full depth reclamation - cement as well as CLSM) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work involved in preparing and testing the mix, including adding water, supplementary aggregate if required by the Engineer, setting control additives, mixing water with asphaltic emulsion, and applying sand cover, complete in place, as shown on the plans, as specified in State Standard Specifications and these Special Provisions, and as directed by the Engineer.

10.22 HOT MIX ASPHALT (TYPE A)

Preconstruction Meetings

Hold a preconstruction meeting with the Engineer per section 36-1.01D(2) of the State Standard Specifications. Discuss project specifications and the processes for producing materials and quality control measures for pavement smoothness including visual inspection of finished Hot Mix Asphalt (HMA) surface.

Prepare Existing Surface

Contractor shall prep the existing surface prior to placing HMA. Prepping the surface shall consist of sweeping and vacuuming the entire area to remove debris, organic matter, dirt, etc. Any work that will be required to fill potholes or make the surface suitable for paving shall be paid as extra work, through

force account.

For full-depth asphalt pavement sections, the underlying subgrade or subbase shall be compacted to at least 95 percent of the maximum dry density (per ASTM D1557) prior to AC paving. Where existing base to remain, Contractor shall compact and prepare per the Aggregate Base requirements in these Special Provisions prior to AC paving.

Prior to any removal of existing asphalt concrete or cold planing, verify all existing ground lines. If you contest the existing ground lines shown in the plans, you must submit your survey information. The Engineer will then have 10 working days to review the submittal. If you begin any removal or cold planing prior to the approval of this submittal, the existing ground lines shown in the plans will be deemed accurate and will be used for calculating quantities of removal or cold planing.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all of the work involved with preparing the existing surface as specified above, shall be considered as included in the price paid for hot mix asphalt (Type A) and no additional compensation will be allowed therefor.

Materials

Hot Mix Asphalt (HMA) shall conform to the provisions in Section 39-2, "Hot Mix Asphalt," of the State Standard Specifications.

The HMA construction process shall be standard. The aggregate gradation shall be ½" and the HMA type shall be type A. The binder shall be PG 70-10.

Schedule smoothness testing with the Engineer. Unless otherwise authorized, all smoothness testing must be performed in the presence of the Engineer in accordance with Pavement Smoothness section of these special provisions.

Add the following City's acceptance requirements for Section 39-2.02A(4)(e) of the State Standard Specifications:

4. Visual inspection of finished HMA surface. HMA must be free of segregation, Coarse or fine aggregate pockets, hardened lumps, marks, tearing, and irregular texture.
   4.1. HMA that is determined to be unacceptable by visual inspection by the Engineer shall be repaired by one of the following methods as determined by the Engineer. The Engineer reserves the right to waive and/or reduce the dimensions of the repairs at the Engineer's discretion:
      4.1.1. Remove the pavement by an approved method, in the area to be repaired, to provide a minimum of 1.5 inches of new material. No feather paving will be allowed in making the above-mentioned repairs. The pavement shall be removed from lane line to lane line, or lip of gutter to center of roadway where edge lines and/or lane lines are not present. The area to be removed and replaced shall not be less than fifty (50) feet in length in the longitudinal direction.
      4.1.2. Fog seal. The area and dimensions of the fog seal shall be determined by the Engineer.
      4.1.3. Slurry seal or Microsurface. Type I or Type II shall be used as determined by the Engineer. The slurry seal or microsurfaced area shall be from lane line to lane line, or lip of gutter to center of roadway where edge lines and/or lane lines are not present. The area

to be slurry sealed or microsurfaced shall not be less than twenty (20) feet in length in the longitudinal direction.

Contractor shall submit a quality control plan with the JMF. The JMF will not be accepted until the quality control plan is submitted. The Contractor's quality control plan shall conform to the provisions in 39-2.01A(3) "Submittals" of the State Standard Specifications.

Contractor shall tack coat all surfaces to receive HMA and shall conform to the State Standard Specifications Section 39-2, "Hot Mix Asphalt."

Pavement Smoothness
At least 2 business days before performing corrective grinding for areas that do not meet the smoothness requirements, submit a corrective grinding plan as an informational submittal.

The corrective grinding plan must include:

1. Grinder make and model
2. Grinder wheelbase in feet, measured from the front centerline to the back centerline of the single wheel or tandem wheel spread
3. Grinder head position in feet, measured relative to the centerline of the front single wheel or the front tandem wheel spread
4. Tandem wheel spreads in feet
5. Tabular listing of the planned corrective grinding, including:
   5.1. Begin and End locations in stationing to the nearest foot
   5.2. Width of grind, such as left half lane, right half lane, or full-width lane
   5.3. Corresponding grinder head depths to the nearest 0.01 foot
   5.4. Direction of grind such as forward, reverse, forward-forward, reverse-reverse, forward-reverse, reverse-forward

Within 2 business days of measuring smoothness with a straightedge, submit a list of the areas requiring smoothness correction or a report stating there are no areas requiring smoothness correction. Identify the areas requiring smoothness correction by:

1. Location number
2. Street name
3. Beginning station to the nearest 0.01 mile
4. For correction areas within a traffic lane:
   4.1. Lane direction, *NB, SB, EB*, or *WB*
   4.2. Lane number from left to right in the direction of travel
   4.3. Wheel path, *L* for left, *R* for right, or *B* for both
5. Estimated size of correction area

Perform straightedge measurements in the presence of the Engineer.

Measure pavement smoothness 12-foot straightedge.

The City accepts pavement surfaces for smoothness based on compliance with the smoothness specifications for the type of pavement surface specified.

For areas that require pavement smoothness determined using a 12-foot straightedge, the pavement surface must not vary from the lower edge of the straightedge by more than:

1. 0.01 foot when the straightedge is laid parallel with the traffic lane centerline
2. 0.02 foot when the straightedge is laid perpendicular to the centerline and extends from edge to edge of a traffic lane
3. 0.02 foot when the straightedge is laid within 24 feet of a pavement conform

Notify the Engineer of the start location by station and start time at least 2 business days before each day of smoothness measurements. The Engineer must be present for smoothness measurements.

Case A Tapered Edge
Case A Tapered Edge shall comply with Section 39-2.01C(5) "Pavement Edge Treatments" of the State Standard Specification.

Payment
HMA will be subject to payment adjustments for Price Index Fluctuations per Section 9-1.07 of the State Standards Specifications. The HMA (Type A) item includes the quantity and work for the construction of Case A Tapered Edge. The contract price paid per ton of HMA (Type A) shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in placing, compacting, and quality-control of hot mix asphalt including surface preparation, tack coat placement, and pavement smoothness, as shown on the plans, as specified in State Standard Specifications and these Special Provisions, and as directed by the Engineer. This item includes full depth AC Patch adjacent to proposed curbs and gutters, curb ramps and other hardscape construction.

10.23 SHALLOW UTILITY ALTERNATIVE PAVEMENT SECTION

This work consists of constructing a Shallow Utility Alternative Pavement Section in lieu of Full Depth Reclamation with cement (FDR-C) in areas where existing utilities are located within the specified clearance threshold below the planned FDR-C disturbance depth. The alternative pavement section shall consist of Controlled Low Strength Material (CLSM), also referred to as flowable backfill, placed within the limits shown on the plans or as directed by the Engineer.

Prior to performing FDR-C operations within any traffic control phase or lane closure, the Contractor shall perform potholing as necessary to verify the location and depth of existing utilities within the limits of that work area. Potholing shall be completed sufficiently in advance of FDR-C operations to allow identification of utilities that may conflict with the planned FDR-C depth. The Contractor shall use this information to plan and sequence the work and to identify locations requiring construction of the Shallow Utility Alternative Pavement Section.

CLSM shall conform to ACI 229R and shall be proportioned by mix design submitted by the Contractor and approved by the Engineer a minimum of 10 working days prior to placement. The mix design shall include proposed material proportions, compressive strength data, documentation of materials and sources, and the proposed timing for load application based on the Contractor’s planned traffic control staging and construction sequence.

CLSM shall achieve a 28-day unconfined compressive strength within the following ranges, depending on section thickness. For sections constructed at a thickness of approximately 12 inches, CLSM shall achieve a minimum compressive strength of 300 psi and a maximum compressive strength of 450 psi.

For sections reduced to approximately 9.5 inches in thickness, CLSM shall achieve a target compressive strength of 600 psi (Engineer-Approved Only). Strength values exceeding the specified maximum may be rejected if determined by the Engineer to impair future excavability or utility access.

The specified 28-day compressive strength is for mix design and long-term material acceptance only and does not establish the required waiting period before construction traffic, FDR-C equipment, paving operations, or public traffic may be placed over or adjacent to the Shallow Utility Alternative Pavement Section. Acceptance for load application, paving operations, FDR-C equipment operating adjacent to the section, and reopening to traffic shall be determined in accordance with ASTM D6024 (ie. Ball Drop Test). The Contractor shall provide a CLSM mix capable of meeting the ASTM D6024 load application requirements within the time needed to support the Contractor's approved traffic control staging and construction sequence.

Compressive strength testing shall be performed in accordance with ASTM D4832. The Contractor shall provide all sampling, testing, and reporting. A minimum of one set of test specimens shall be obtained for each day of placement, with additional testing performed as directed by the Engineer.

The Contractor shall excavate the utility conflict area using vacuum excavation or hand methods to the limits required to construct the section, taking care not to damage or disturb the utility or its bedding. CLSM shall be placed in a manner that ensures complete filling of the excavation limits without segregation or voids. The minimum width of the Shallow Utility Alternative Pavement Section shall be 4 feet, or wider as necessary to fully isolate the utility from FDR-C operations. Final grades shall be constructed to match adjacent FDR-C limits to allow continuous placement of asphalt concrete across the finished surface.

Full Depth Reclamation with cement shall not be performed within the limits of the Shallow Utility Alternative Pavement Section. FDR-C operations may proceed adjacent to the completed section. CLSM shall not be subjected to construction traffic, FDR-C equipment loading, placement of overlying pavement, or public traffic until the material satisfies the ASTM D6024 load application requirements.

Measurement for Shallow Utility Alternative Pavement Section will be by the square foot of completed work. Payment shall include full compensation for excavation, vacuum or hand exposure, furnishing and placing CLSM, mix design, testing, curing, and all incidental work necessary to complete the section as specified.

10.24 MINOR CONCRETE

Minor concrete work includes curb and gutter, curb ramp, sidewalk, alley, driveway, mailbox pad, and valley gutter. All minor concrete work shall conform to provisions of Section 13, "Concrete Construction" of the City Standard Specifications.

All minor concrete material shall conform to the provisions of Section 90-2, "Minor Concrete," of the State Standard Specifications.

Contractor shall submit a certificate of compliance for all minor concrete.

Within 72 hours of placing minor concrete, Contractor shall place backfill adjacent to the new concrete and existing grade. Backfill on street side shall consist of aggregate base topped with cutback asphalt except that cutback asphalt may be replaced by aggregate base if paving will start within 14 calendar

days. Backfill on property side shall consist of native materials.

Curb adjacent to valley gutter spandrel shall be paid for per square foot as a part of the valley gutter bid item.

Lines, grades, dimensions and general construction of curb & gutter, valley gutters, driveways, curb ramps, alley approaches, mailbox pads, and sidewalk shall conform to the City Standard Drawings. Expansion joints shall be placed per standard plan. It is the responsibility of the Contractor to construct all finished surfaces so that positive drainage is maintained.

Prior to installation of all form work, you shall be required to notify the Engineer a minimum of 48 hours in advance of scheduled formwork activities. The Engineer shall review the survey results and determine if the preparation of the subgrade is in conformance with the project plans and specifications. You shall not proceed with installing formwork until after the subgrade has been inspected for conformance with the project plans and specifications. After formwork is in place and prior to pouring any concrete, you shall notify the Engineer a minimum of 48 hours in advance for an inspection of the form work. You shall not proceed with pouring concrete until after the Engineer has inspected the form work for compliance with the project plans and specifications. You shall be required to correct this work in a manner acceptable to the Engineer if found to not be in conformance with the project plans and specifications at your expense.

CURB AND GUTTER
Minor concrete (curb and gutter) shall be Portland cement concrete curb and gutter constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 13-7 "Concrete Curb, Gutter, and Sidewalks"(DWG. C-1) of the City Standard Specifications.

The curb and gutter portion of the curb ramps and transitions to existing curb and gutter of a different type shall be paid for with this item of work.

RETAINING CURB
Minor concrete (Retaining curb) shall be Portland cement concrete (PCC) retaining curb constructed around the depressed driveways and shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 13-7 "Concrete Curb, Gutter, and Sidewalks"(DWG. C-1) of the City Standard Specifications.

VERTICAL CURB
Minor concrete (Vertical curb) shall be Portland cement concrete (PCC) vertical curb and shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 13-7 "Concrete Curb, Gutter, and Sidewalks"(DWG. C-1) of the City Standard Specifications.

MEDIAN THRU DRAIN
Minor concrete (Median Thru Drain) shall be Portland cement concrete (PCC) curb and shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 13-7 "Concrete Curb, Gutter, and Sidewalks"(DWG. C-1) of the City Standard Specifications.

LANDSCAPING MEDIAN CURB
Minor concrete (Landscaping Median Curb) shall be Portland cement concrete (PCC) curb

(Landscaping Median Curb) and shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 13-7 "Concrete Curb, Gutter, and Sidewalks"(DWG. C-1) of the City Standard Specifications.

VALLEY GUTTER
Minor concrete (valley gutter) shall be Portland cement concrete (PCC) and shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 13-7 "Concrete Curb, Gutter, and Sidewalks"(DWG. C-1) of the City Standard Specifications.

CURB RAMP
Curb ramps shall conform to the provisions of Section 13-9, “Curb Ramp” of the City Standard Specifications and the 2010 ADA Standards.

Contractor shall construct curb ramps as located on the plans and in accordance with Section 13 of the City Standard Specifications.

Contractor will not be allowed to remove and replace all the access ramps at the same time. Contractor shall schedule the removal and replacement to provide pedestrian access at all times as approved by the Engineer.

Contractor shall construct retaining curbs as needed or as shown on the plans and in accordance with Section 13 of the City Standard Specifications.

Quantities of minor concrete (sidewalk, curb ramp, driveways, alley approaches, valley gutters) to be paid for by the square foot will be calculated on the basis of the dimensions shown on the plans adjusted by the amount of any change ordered by Engineer.

Retaining curbs required for construction of curb ramps are non-pay items and included in the work for Minor Concrete (Curb Ramp).

SIDEWALK
Minor concrete (sidewalk) shall be Portland cement concrete (PCC) and shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 13-7 "Concrete Curb, Gutter, and Sidewalks"(DWG. C-2, C-3, C-4) of the City Standard Specifications.

The sidewalk portion of the curb ramps shall be paid under this item of the proposal. The curb ramps shall be constructed where shown on the Plans or as directed by the Engineer.

Excavation for aggregate base beneath sidewalks shall be included in the bid item for roadway excavation.

RESIDENTIAL DRIVEWAY
Minor concrete (residential driveway) shall be Portland cement concrete (PCC) and shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 13-8 "Driveways"(DWG. C-5, C-6, C-8, and C-9) of the City Standard Specifications and Drawings.

ALLEY/COMMERCIAL DRIVEWAY
Minor concrete (commercial driveway) shall be Portland cement concrete (PCC) and shall be

constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 13-8 "Driveways"(DWG. C-5, C-6, C-8, and C-9) of the City Standard Specifications and Drawings.

TEXTURED PAVEMENT
Minor concrete (textured pavement) shall be Portland cement concrete (PCC) and shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 73-4 of the State Standard Specifications, and these Special Provisions.

BUS TURNOUT
Minor concrete (bus turnout) shall be Portland cement concrete (PCC) and shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 13-11 "Miscellaneous Requirements" and Drawings (ST-16 and C-8) of the City of Turlock Standard Specifications and Drawings.

MAILBOX PAD
Minor concrete (mailbox pad) shall be Portland cement concrete (PCC) and shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 13-11 "Miscellaneous Requirements" of the City of Turlock Standard Specifications and Drawings.

Contractor shall construct all minor concrete items as shown on the plans and in accordance with Section 13 of the City of Turlock Standard Specifications and Drawings.

Payment for Aggregate Base shall be included in the minor concrete (valley gutter), minor concrete (commercial driveway), and minor concrete (bus turnout) bid items and include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in placing and compacting the Aggregate Base and no additional compensation will be allowed therefore.

Quantities of minor concrete (curb ramps, sidewalk, residential driveways, alley/commercial driveways, textured pavement, bus turnout, and mailbox pad) to be paid for by the square foot will be calculated on the basis of the dimensions shown on the plans adjusted by the amount of any change ordered by Engineer.

The contract price paid per square foot for minor concrete (curb ramp), minor concrete (sidewalk), minor concrete (residential driveway), minor concrete (alley/commercial driveway), minor concrete (textured pavement), minor concrete (bus turnout), and minor concrete (mailbox pad) shall include full compensation for furnishing all labor, material (including adhesive, or reinforcing steel and dowels for anchoring, and expansion joint material), tools, equipment and incidentals, and for doing all the work involved in constructing different types of minor concrete facilities, complete in place, as shown on the plans, specified in the City Standard Specifications and these Special Provisions, and as directed by Engineer. Also included in the price paid per square foot for minor concrete shall be adding coloring and texturing to match existing concrete where walkways are being replaced and protecting in place or replacing in kind existing roof drains.

Full compensation for furnishing the labor needed to form the ramp (including retaining curbs), driveways, curb and gutter and sidewalk areas to the required line and grade per ADA requirements, including grooving details, shall be considered as included in the prices paid for the various Contract items of work involved and no additional compensation will be allowed therefor.

The contract price paid per linear foot for minor concrete (curb and gutter), minor concrete (retaining curb), minor concrete (vertical curb), minor concrete (median thru drain), minor concrete (landscaping median curb), and minor concrete (valley gutter) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in constructing types of curbs, complete in place, as shown on the plans, and as required by law, as specified in the City Standard Specifications and these Special Provisions, and as directed by the Engineer.

No additional compensation shall be included for sawcutting, replacement of damaged concrete work, slot asphalt patch back, or for additional asphalt concrete pavement removal and replacement for fitting in extruder machinery or forms during the construction of concrete items, but shall be included in the cost of the concrete work being constructed. New or replaced curb and gutter, sidewalk, or driveway shall include any necessary grading behind the improvement to conform to the existing condition up to five feet beyond the improvement, and within the City right of way and no additional compensation shall be included. Existing walkways adjacent to proposed sidewalk or minor concrete improvements shall be reset or repaved by Contractor, as requested by Engineer, to conform to the new minor concrete construction at no additional cost.

Any portions of curb, gutter, sidewalk or any other City improvement damaged by the Contractor during the course of construction be replaced by the Contractor, at their cost, to the satisfaction of the Engineer. The cost of additional replacement of curb, gutter or sidewalk in excess of the estimated quantities shown in the Bid form and Specifications and found necessary during the process of construction (but not due to damage resulting from carelessness on the part of the Contractor during its operation), shall be paid to the Contractor at the unit prices submitted in their bid.

10.25 DETECTABLE WARNING SURFACE (TRUNCATED DOMES)

Detectable warning surface (truncated domes) must be installed per the locations shown on the plans and in accordance with City Standard Drawing C-15 and Section 13-10, "Detectable Warning Surface", of the City Standard Specifications and these Special Provisions.

The Contractor shall install detectable warning surface (truncated domes) in a manner that extends the entire width of the opening of the ramp for a depth of 3 feet.

Submit a 5-year manufacturer's replacement warranty against defects in a prefabricated detectable warning surface. The 5-year manufacturer's replacement warranty for a prefabricated detectable warning surface must cover defects in dome shape, color fastness, sound-on-can acoustic quality, resilience, and attachment. The 5-year warranty period starts at Contract acceptance.

Quantities of detectable warning surface (truncated domes) placed as shown on the plans or directed by the Engineer will be measured by the square foot as determined from measurement of the area covered by the detectable warning surface.

The contract price paid per square foot for detectable warning surface (truncated domes) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and placing the detectable warning surface (truncated domes), complete in place, as shown on the plans, and as specified in City Standard Specifications and these Special Provisions, and as directed by the Engineer.

10.26 18” REINFORCED CONCRETE PIPE

Furnish and install 18” Reinforced Concrete Pipe as shown on the plans, and as directed by the Engineer. The 18” Reinforced Concrete Pipe shall comply with Section 17 Storm Drain Collection

System of the City of Turlock Standards.

All earthwork shall be done in accordance with the "Earthwork" Section of these Special Provisions. All trenching, backfilling, and excavations shall comply with Section 14 Trenching and Excavations of the City of Turlock Standards.

Measurement of Reinforced Concrete Pipe shall be based on slope lengths, exclusive of structures, not horizontal lengths. The contractor will be responsible for accurate amount of pipe lengths that span from structure to structure at the lines and grades designated on the plans. This work shall include any trenching excavation, trench bracing or stabilization measures, and backfill and repaving needed to install pipe as shown and specified on the Plans. This work shall also include all materials and labor necessary to connect the 18" RCP to the existing manhole, ensuring the connection is watertight and structurally sound.

The contract unit prices bid per linear foot for 18" Reinforced Concrete Pipe shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing 18" Reinforced Concrete Pipe, including trenching, excavating, placing RCP, backfilling, repaving, and disposing of excavated material, as shown on the plans, and as specified in these Special Provisions, and as directed by the Engineer.

10.27 INSTALL DRAINAGE INLET (SD-3)

Install Drainage Inlet (SD-3) shall include all work related to constructing new drainage inlets at the locations shown on the Plans, and as directed by the Engineer. The new concrete drainage inlets shall be City of Turlock Catch Basin No. 3 constructed in accordance with City Standard Drawing SD-3 and Section 17-7, "Catch Basins" of the City Standard Specifications.

All earthwork shall be done in accordance with the "Earthwork" Section of these Special Provisions. All concrete work (including sidewalk and curb and gutter) shall be done in accordance with the "Minor Concrete" Section of these Special Provisions.

All existing pipes that connect to the inlets shall be protected in place and the invert elevations shall not be modified. All work related to reconnecting the existing pipes to the replaced drainage inlet is included in this bid item. Any sidewalk reconstruction and curb and gutter construction necessary to install the drainage inlet per the City Standard Drawing SD-3 is included in this bid item (including gutter flare and necessary curb and gutter transitions).

Install Drainage Inlet (SD-3) will be measured by the unit from actual count.

Payment for Install Drainage Inlet (SD-3) shall be at the contract unit price per each and shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in installing the new catch basin, including furnishing and installing frame and grate, complete in place, as shown on the plans, specified in the City Standard Specifications and these Special Provisions, and as directed by the Engineer.

10.28 ADJUST DRAINAGE INLET TO GRADE

Contractor shall adjust storm drain inlet in accordance to the details shown in the plans. Adjusting storm drain inlets consists of removing partially the inlet and either lowering or raising the drainage structures.

Adjust to grade with new materials that are similar in character to the existing materials.

Where storm drain inlets are adjusted before placing the uppermost layer of pavement or surfacing, limit the work area so that adjusting the inlet and final paving or surfacing withing the same work day. The top of the inlet grate or cover must be protected during paving operation by heavy plywood covers, steel plate covers, or other authorized methods. Excess paving material must be removed before rolling.

Where inlets are adjusted after placing the uppermost layer of pavement or surfacing, do not adjust the inlet to final grade until the paving or surfacing has been completed immediately adjacent to the inlet.

The contract unit price paid for adjust drainage inlet to grade includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in lowering and raising drainage inlet structure including frame and grate to grade, complete in place, including structure excavation and backfill, furnishing and installing additional bar reinforcing steel, concrete and HMA (Type A), as shown on the plans, as specified in the City Standard Specifications and these Special Provisions, and as directed by the Engineer.

10.29 ADJUST MANHOLE COVER TO GRADE (UTILITY)

Manhole Frames and covers of new and existing utility manhole, shall be adjusted to grade and shall conform to the provisions in Section 12-12, "Adjusting Manhole Frames, Monuments and Valve Boxes", of the City Standard Specifications and these Special Provisions.

All city utilities that are within the limits of the full depth reclamation operation shall be lowered (remove lid and frame) and plated before the full depth reclamation operation.

All city utilities shall be raised up to finished grade within 7 days of paving.

All utilities shall be accessible 24 hours per day, 7 days per week throughout construction. The Contractor shall provide reference marks on the nearest curb for all utilities that are lowered.

The contract price paid per each for adjusting manhole covers to grade or adjust manhole frame and cover to grade shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in lowering and raising utility manhole frames and cover, complete in place, including structure excavation and backfill, furnishing and installing additional bar reinforcing steel, concrete and HMA (Type A), as shown on the plans, specified in the City Standard Specifications, these Special Provisions, and as directed by Engineer.

10.30 ADJUST STORM DRAIN MANHOLE COVER TO GRADE

Storm drain Manhole frames and covers of existing storm drain manhole, shall be adjusted to grade and shall conform to the provisions in Section 12-12, "Adjusting Manhole Frames, Monuments and Valve Boxes", of the City Standard Specifications and these Special Provisions.

All city storm drain manholes frames and covers that are within the limits of the full depth reclamation operation shall be lowered (remove lid and frame) and plated before the full depth reclamation operation.

All city storm drain manholes frames and covers shall be raised up to finished grade within 7 days of paving.

All storm drain manholes frames and covers shall be accessible 24 hours per day, 7 days per week throughout construction. The Contractor shall provide reference marks on the nearest curb for all

utilities that are lowered.

The contract price paid per each for adjusting storm drain manhole covers to grade shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in lowering and raising storm drain manhole frames and cover, complete in place, including structure excavation and backfill, furnishing and installing additional bar reinforcing steel, concrete and HMA (Type A), as shown on the plans, specified in the City Standard Specifications, these Special Provisions, and as directed by Engineer.

10.31 ADJUST UTILITY COVER TO GRADE

Frames and covers of existing utility boxes and water valve covers, shall be adjusted to grade and shall conform to the provisions in Section 12-12, "Adjusting Manhole Frames, Gas Valves and Utility Boxes", of the City Standard Specifications and these Special Provisions.

All city utilities that are within the limits of the full depth reclamation operation shall be lowered (remove lid and frame) and plated before the full depth reclamation operation.

All city utilities shall be raised up to finished grade within 7 days of paving.

All utilities shall be accessible 24 hours per day, 7 days per week throughout construction. The Contractor shall provide reference marks on the nearest curb for all utilities that are lowered.

The contract price paid per each for adjust-cover to grade (including water valves, gas valves and utility boxes) shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in lowering and raising utility cover, complete in place, including structure excavation and backfill, furnishing and installing additional bar reinforcing steel, concrete and HMA (Type A), as shown on the plans, specified in the City Standard Specifications and these Special Provisions, and as directed by Engineer.

10.32 ADJUST UTILITY INTO TRAFFIC RATED BOX

Frames and covers of existing utility boxes and water valve covers, shall be adjusted to grade and converted into a traffic rate box and shall conform to the provisions in Section 12-12, "Adjusting Manhole Frames, Gas Valves and Utility Boxes", of the City Standard Specifications and these Special Provisions.

This work consists of adjusting existing utility boxes that were previously located within landscaped medians and are now situated within the paved roadway. The Contractor shall furnish all materials, labor, equipment, and incidentals necessary to convert these existing boxes to traffic-rated assemblies suitable for vehicular loading.

Existing utility boxes shall be removed, adjusted, modified, or replaced as necessary to meet current roadway loading conditions. Each adjusted utility box assembly shall be designed and installed to withstand **AASHTO H-20 traffic loading** requirements.

All city utilities that are within the limits of the full depth reclamation operation shall be lowered (remove lid and frame) and plated before the full depth reclamation operation.

All city utilities shall be raised up to finished grade within 7 days of paving.

All utilities shall be accessible 24 hours per day, 7 days per week throughout construction. The

Contractor shall provide reference marks on the nearest curb for all utilities that are lowered.

The contract price paid per each for Adjust Utility Into Traffic Rated Box (existing utility boxes that were previously located within landscaped medians and are now situated within the paved roadway) shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in lowering and raising utility manhole frames and cover, complete in place, including structure excavation and backfill, furnishing and installing additional bar reinforcing steel, concrete and HMA (Type A), as shown on the plans, specified in the City Standard Specifications and these Special Provisions, and as directed by Engineer.

10.33 RELOCATE MAILBOX

Mailbox shall be relocated according to City Standard Plans and Specifications, these Special Provisions, and as shown on the plans.

The contract price paid per each for Relocation of the Mailbox shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in cleaning and completely removing post including excavation, backfill, replacement of existing concrete, and other appurtenances necessary for the relocation, as shown on the plans, specified in the City of Turlock Standard Specifications, these Special Provisions, and as directed by Engineer.

10.34 RESET POST (LICENSE PLATE READER)

Existing post with license plate reader and solar panels shall be reset and adjust to new grade as shown on the plans. Reset the post the same day it is removed from its original location.

Reset using existing posts.

Reset post (license plate reader) will be measured by the unit, and each individual post installation will be considered one unit.

The Contract unit price paid for each reset post (license plate reader) includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all of the work involved to reset the post, including, but not limited to, excavation, export, backfill, compaction; new concrete foundations / footings, installation of post, solar panels and hardware, complete in place, as shown on the Plans, as specified in the City Standard Specifications, these Special Provisions, and as directed by the Engineer.

10.35 INSTALL FENCE (WOOD)

Contractor shall match in kind the existing fence (wood).

Payment for Install Fence (wood) shall be at the contract unit price per Linear Foot and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in installing new fence of the type shown, including but not limited to, excavation, export, backfill, compaction; new concrete foundations/footings; installing posts, hinges, panels, braces, appurtenances; and incidentals and for doing the work involved in installing new fence as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

10.36 INSTALL GATE (WOOD)

Contractor shall match in kind the existing gate (wood).

Payment for Install Gate (wood) shall be at the contract unit price per Each and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in installing new gate of the type shown, including but not limited to, excavation, export, backfill, compaction; new concrete foundations/footings; installing posts, hinges, panels, braces, appurtenances; and incidentals and for doing the work involved in installing new fence as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

10.37 CHAIN LINK FENCE (TYPE CL-4)

Chain link fence (Type CL-4), shall conform to Section 80-3, "Chain Link Fences" of the State Standard Specifications, and as shown in the Caltrans Standard Plans.

Payment for Chain Link Fence (Type CL-4) shall be at the contract unit price per Linear Foot and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in installing new fence of the type shown, including but not limited to, excavation, export, backfill, compaction; new concrete foundations/footings; installing posts, hinges, panels, chain link mesh, braces, appurtenances; and incidentals and for doing the work involved in installing new fence as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

10.38 CHAIN LINK GATE (TYPE CL-4)

Chain link gate (Type CL-4), shall conform to Section 80-10, "Gates" of the State Standard Specifications, and as shown in the Caltrans Standard Plans.

Payment for Install Fence (Chain Link CL-4) shall be at the contract unit price per Linear Foot and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in installing new fence of the type shown, including but not limited to, excavation, export, backfill, compaction; new concrete foundations/footings; installing posts, hinges, panels, chain link mesh, braces, appurtenances; and incidentals and for doing the work involved in installing new fence as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

10.39 VINYL FENCE

Furnish and install vinyl fence as shown on the plans, and as directed by the Engineer. All work involved in constructing the vinyl fence shall comply with Section 20 Fencing of the City of Turlock Standards.

The vinyl fence shall be 4 feet tall and match the existing vinyl fence. This item shall include all work necessary to complete the fence installation and consistent with the City’s Standards. Fencing should match with previously removed fencing.

The contract unit prices paid per linear foot of vinyl fence shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in installing the vinyl fence, including excavating, constructing concrete footings, grading, and backfilling, as shown on the plans, and as specified in these Special Provisions, and as directed by the Engineer.

10.40 ROADSIDE SIGN (ONE-POST)

Contractor shall install sign panels, posts and foundations in accordance with City Standard ST-11 and ST-12 and these Special Provisions.

Sign panels must comply with the latest version of the California Uniform Traffic Control Devices (CA MUTCD). All signs shall be high intensity prismatic.

The contract price paid per each for install roadside sign-one post shall include full compensation for furnishing all labor, material, tools, equipment and incidentals, and for doing all the work involved in installing each roadside sign, including, but not limited to, excavation, export, backfill, compaction; new concrete foundations / footings, installation of sign post, sign panels and hardware, complete in place, as shown on the plans, specified in the City Standard Specifications and these Special Provisions, and as directed by Engineer.

Full compensation for furnishing and installing sign panel fastening hardware shall be considered as included in the contract prices paid for the roadside signs requiring the hardware and no separate payment will be made therefor.

10.41 RELOCATE ROADSIDE SIGN (ONE-POST)

Existing roadside sign (one-post) shall be removed and relocated to the new location shown on the plans. Relocate the roadside sign (one-post) the same day it is removed from its original location.

Relocate roadside sign (one-post) using existing posts.

Relocate roadside sign (one-post) will be measured by the unit, and each individual sign installation will be considered one unit regardless of the number of sign panels involved.

The Contract unit price paid for each relocate roadside sign (one-post) includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all of the work involved to relocate the existing roadside sign, including, but not limited to, excavation, export, backfill, compaction; new concrete foundations / footings, installation of sign post, sign panels and hardware, complete in place, as shown on the Plans, as specified in the City Standard Specifications, these Special Provisions, and as directed by the Engineer.

10.42 RESET ROADSIDE SIGN (ONE-POST)

Existing roadside sign (one-post) shall be reset and adjust to new grade as shown on the plans. Reset the roadside sign (one-post) the same day it is removed from its original location.

Reset roadside sign (one-post) using existing post.

Reset roadside sign (one-post) will be measured by the unit, and each individual sign installation will be considered one unit regardless of the number of sign panels involved.

The Contract unit price paid for each reset roadside sign (one-post) includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all of the work involved to reset the existing roadside sign (one-post) , including, but not limited to, excavation, export, backfill, compaction; new concrete foundations / footings, installation of sign post, sign panels and hardware, complete in place, as shown on the Plans, as specified in the City Standard Specifications, these Special Provisions, and as directed by the Engineer.

10.43 RESET BUS SHELTER

Reset bus shelter at locations shown on the drawings. Reset bus shelter includes work to reset benches.

Use new anchor bolts which shall be ground flush with the top of sidewalk.

Payment shall be at the unit price bid per each and shall include full compensation for all labor, materials, tools, equipment and incidentals and for doing all work involved in resetting bus shelter and bench furnishing and installing new concrete foundation when needed and removing and disposing of existing concrete foundation and all extraneous materials, as shown on the Plans as specified in these Special Provisions and as directed by the Engineer.

10.44 RESET TRASH RECEPTACLE

Reset trash receptacle at locations shown on the drawings. Use new anchor bolts which shall be ground flush with the top of sidewalk.

Payment shall be at the unit price bid per each and shall include full compensation for all labor, materials, tools, equipment and incidentals and for doing all work involved in resetting trash receptacle furnishing and installing new concrete foundation when needed and removing and disposing of existing concrete foundation and all extraneous materials, as shown on the Plans as specified in these Special Provisions and as directed by the Engineer.

10.45 PAINT CURB (2 COAT)

Paint curb (2 coat) shall conform to the applicable requirements of Sections 91 of State Standard Specifications, at locations with color shown on the plans.

Submit the coating manufacturer's application instructions at least 7 days before use.

Coatings for concrete must comply with the specifications for acrylic emulsion paint.

Concrete surface must be at least 28 days old. Pressure rinse the prepared surface before applying the paint. Apply two coats under the manufacturer's instructions and SSPC-PA 7. Protect adjacent surfaces during painting using an authorized method.

Payment shall be at the unit price bid per linear foot of paint curb (2 coat), including all line type components, and shall include full compensation for furnishing all necessary labor, material, tools, equipment, and incidentals and for doing all work involved with painting curb (2 coat) as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

10.46 THERMOPLASTIC STRIPING AND MARKINGS

All traffic stripes and pavement markings shall conform to Section 84-2, “Traffic Stripes and Pavement Markings,” of State Standard Specifications. All striping and markings shall be thermoplastic.

The bicycle loop detector symbol shall be placed directly over the detection zone for the bike lane per Caltrans standard A24C.

Thermoplastic traffic stripe will be measured by the linear foot along the line of the traffic stripes, without deductions for gaps in broken traffic stripes. A double thermoplastic traffic stripe, consisting of two 6-inch wide yellow stripes, will be measured as 2 traffic stripes.

Thermoplastic pavement markings shall be measured by the square foot for the area covered.

Payment for thermoplastic pavement markings or thermoplastic traffic stripe shall include full

compensation for performing all work required to install thermoplastic pavement markings and thermoplastic traffic stripes, and shall include furnishing and installing pavement markers and establishing alignment for stripes and layout work, respective to the detail on the State Standard Plans, in accordance with these Special Provisions and as directed by the Engineer.

10.47 PAVEMENT MARKERS

All pavement markers shall conform to Section 81-3, "Pavement Markers," of the State Standard Specifications.

Contractor shall install blue raised reflective pavement markers to mark fire hydrant locations. The blue reflective pavement markers (Type BB) shall be placed per City Standard Drawing W-3.

Ceramic markers shall not be used.

Pavement markers shall be placed 7 calendar days after paving work has ceased.

Payment for pavement markers will be included in the unit price paid for the Thermoplastic Traffic Stripe (per respective detail specified) in accordance with State Standard Plans and shall include full compensation for performing all work required to install pavement markers, in accordance with these Special Provisions and as directed by the Engineer.

Payment for blue reflective pavement markers (Type BB) will be included in the price paid for the various items of work involved and no additional compensation will be allowed therefor.

10.48 THERMOPLASTIC PAVEMENT MARKING (GREEN METHYL METHACRYLATE)

Thermoplastic pavement marking (green methyl methacrylate) shall be placed where shown on the plans and shall conform to the applicable requirements of Sections 84 of the State Standard Specifications and these Special Provisions.

The quantities of thermoplastic pavement marking (green methyl methacrylate) may be adjusted, deleted, or omitted as directed by the Engineer to meet the existing requirements. No adjustment to the unit price bid will be made because of a change in quantity from the Engineer's estimate.

Payment shall be at the unit price bid per square foot of thermoplastic pavement marking (green methyl methacrylate placed, and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved with placing colored pavement for bike lanes as shown on the plans, as specified in these Special Provisions and as directed by the Engineer.

10.49 CHECK AND TEST SCHOOL EXISTING IRRIGATION SYSTEM

This item shall consist of checking and testing the existing school irrigation system as shown on the Drawings, in conformance to applicable provisions of the Caltrans Standard Specifications, Section 20, and as directed by the Engineer.

Work includes, but is not limited to, the following:

1. Check and test the existing irrigation system facilities that will remain in place prior to performing any work that may affect the existing irrigation system.
2. When available, utilize existing irrigation control software and flow sensors to conduct the test.
3. Clear obstructions in strainers and filters prior to conducting tests.
4. Check for deficiencies in the existing irrigation system including, but not limited to:

- Missing, damaged, or malfunctioning irrigation components;
- Leaks on supply line and irrigation components;
- Electrical continuity between irrigation controller and irrigation components;
- Electrical power at the irrigation controller;
- Communication between irrigation controllers and remote access devices.

5. Contractor shall record and document all observed deficiencies and any conditions affecting the proposed irrigation system upgrades, and shall submit findings to the Engineer for review and approval prior to performing any modifications to the existing system.

Payment will be made at the contract lump sum price bid. The lump sum price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the checking, testing, documentation, and submittal of deficiencies, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.50 MODIFY EXISTING SCHOOL IRRIGATION SYSTEM FOR NEW PLANTING

This item shall consist of modifying the existing school irrigation system as shown on the Drawings, as specified in these Special Provisions, and as directed by the Engineer, to correct deficiencies and provide upgrades necessary for the proposed irrigation system and planting improvements to tie into and operate with the existing school irrigation system.

Work includes, but is not limited to, the following:

1. Modify, repair, replace, adjust, or upgrade existing irrigation components as necessary to address deficiencies identified under Spec 10.49 "CHECK AND TEST SCHOOL EXISTING IRRIGATION SYSTEM" and as approved by the Engineer.
2. Provide modifications necessary to complete tie-ins and to support the proposed planting and irrigation improvements, including piping, valves, fittings, laterals, appurtenances, and associated components, complete in place.
3. Modify irrigation scheduling/programming as necessary to achieve proper operation after the upgrades.
4. No modification work shall be performed unless the deficiency documentation has been reviewed and approved by the Engineer.

Payment for this item shall be made on a Lump Sum basis as shown in the Bid Item List. The Lump Sum price shall include all labor, materials, equipment, modifications, repairs, replacements, piping, valves, fittings, appurtenances, programming adjustments, and all incidental work necessary to complete the irrigation system improvements described herein and shown on the Plans. No additional compensation will be made for work required to complete this item.

10.51 QUICK COUPLING VALVE ASSEMBLY

This item shall consist of furnishing and installing Quick Coupling Valve Assembly as shown on the Drawings in conformance to the provisions of Sections 19-7 (Valves and Valve Boxes) of the City of Turlock Standard Specifications.

Payment will be made at the contract unit price per each quick coupling valve assembly installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the installation, including but not limited to the quick coupling valve, valve box, fittings, riser, piping, gravel sump, and all associated components, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.52 BALL VALVE ASSEMBLY

This item shall consist of furnishing and installing Ball Valve Assembly as shown on the Drawings in

conformance to the applicable paragraph of Section 19-6 (Irrigation System Materials) of the City of Turlock Standard Specifications.

Payment will be made at the contract unit price per each ball valve assembly installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the installation, including but not limited to the ball valve, valve box, fittings, riser or piping connections, gravel sump, and all associated components, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.53 REMOTE CONTROL VALVE ASSEMBLY

This item shall consist of furnishing and installing Remote Control Valve Assembly as shown on the Drawings in conformance to the provisions of Section 19-7 (Valves and Valve Boxes) of the City of Turlock Standard Specifications.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in installing Remote Control Valve Assembly, as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.54 IRRIGATION CONTROLLER, 8 STATION WITH PEDESTAL ENCLOSURE

This item shall consist of furnishing and installing Irrigation Controller as shown on the Drawings in conformance to the applicable paragraphs of Sections 19-10 and 19-11 of the City of Turlock Standard Specifications and these standard provisions.

Payment will be made at the contract unit price per each irrigation controller installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the installation, including but not limited to the irrigation controller, pedestal enclosure, wiring, grounding and concrete pad, complete in place and be operational as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.55 REDUCED PRESSURE BACKFLOW ASSEMBLY WITH ENCLOSURE

This item shall consist of furnishing and installing Reduced Pressure Backflow Assembly as shown on the Drawings in conformance to the provisions of Section 19-8 (Backflow Preventer Assembly) of the City of Turlock Standard Specifications.

Payment will be made at the contract unit price per each reduced pressure backflow assembly installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the installation, including but not limited to the reduced pressure backflow preventer, enclosure, blanket, ball valve, concrete pad, pipe and fittings, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.56 WATER METER , 1” SIZE

This item shall consist of furnishing and installing Water Meter in 1” size as shown on the Drawings in conformance to the provisions of Section 15-17 (Water Meters) of the City of Turlock Standard Specifications.

Payment will be made at the contract unit price per each water meter installed. The unit price shall

constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the installation. Work shall include, but is not limited to, coordinating with the Department of Municipal Services – Water Division for service installation, payment of all fees and charges required by the Department of Municipal Services – Water Division for water meter application and installation, Supply line installation, traffic control, excavation, trench protection, tapping saddle, pipe, fittings, water boxes, trench backfill, and patch paving, all complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.57 MASTER VALVE ASSEMBLY

This item shall consist of furnishing and installing Master Valve Assembly as shown on the Drawings in conformance to the applicable paragraphs of Sections 19-7 and 19-10 of the City of Turlock Standard Specifications.

Payment will be made at the contract unit price per each master valve assembly installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the installation, including but not limited to the master valve, valve box, gravel sump, piping, wiring/cabling, and all associated components, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.58 FLOW SENSOR ASSEMBLY

This item shall consist of furnishing and installing Flow Sensor Assembly as shown on the Drawings in conformance to applicable paragraphs in 19-10 and 19-11 of the City of Turlock Standard Specifications and these Special Provisions.

Payment will be made at the contract unit price per each flow sensor assembly installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the installation, including but not limited to the flow sensor, pipe connections, fittings, valve box, gravel sump, conduit, wiring, cabling, and all associated components, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.59 IRRIGATION MAINLINE

This item shall consist of furnishing and installing Irrigation Mainline as shown on the Drawings in conformance to the applicable paragraphs of Section 19-6 (Irrigation System Materials) of the City of Turlock Standard Specifications.

Payment shall be at the unit price bid per Linear Foot and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in installing Irrigation Mainline as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.60 LATERAL LINE

This item shall consist of furnishing and installing Lateral Line as shown on the Drawings in conformance to the provisions of Section 19-6 (Irrigation System Materials) of the City of Turlock Standard Specifications.

Payment shall be at the unit price bid per Linear Foot and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in Lateral Lin, as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.61 SPLICE BOX

This item shall consist of furnishing and installing Splice Box as shown on the Drawings in conformance to the applicable paragraphs of Section 19-7 (Valves and Valve Boxes) of the City of Turlock Standard Specifications.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in Splice Box, as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.62 DEEP WATER BUBBLER ASSEMBLY

This item shall consist of furnishing and installing Deep Water Bubbler Assembly as shown on the Drawings in conformance to the provisions of Section 19-9 (Sprinkler Equipment) of the City of Turlock Standard Specifications.

Payment will be made at the contract unit price per each deep water bubbler assembly installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the installation, including but not limited to the bubbler, tubing, fittings, pipe connections, valve box, pea gravel, and all associated components, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.63 CONTROL WIRE AND CONDUIT

This item shall consist of furnishing and installing irrigation control wire and conduit systems necessary for operation of the irrigation system, as shown on the Drawings and in conformance with these Special Provisions, and as directed by the Engineer.

Work includes, but is not limited to, furnishing and installing all control wiring, conduit, fittings, connectors, splices, terminations, and associated electrical appurtenances required to provide complete and functional communication and power connections between irrigation controllers and field control valves and devices. The Contractor shall coordinate all electrical work necessary to ensure the irrigation system is fully operational, including testing, troubleshooting, and verification of proper controller-to-valve communication.

Payment will be made at the contract lump sum price for CONTROL WIRE AND CONDUIT. The lump sum price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to install complete in place and provide a fully operational system, as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation will be allowed.

10.64 TREES 36” BOX

This item shall consist of furnishing and installing 36-inch box trees as shown on the Drawings and in conformance with the applicable provisions of Sections 19-4 and 19-5 (Plants to Headers, Stakes, and Ties) of the City of Turlock Standard Specifications, and these Special Provisions.

Trees (36” Box) planted in tree well locations shall be installed with the applicable deep root planter. Any existing standard red clay bricks embedded in sand/cement in these locations shall be carefully salvaged and re-used in the tree wells after planting, as shown on the Drawings.

Payment will be made at the contract unit price per each 36-inch box tree installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and

for performing all work necessary for tree planting, including but not limited to plant materials, backfill, staking, ties, fertilizer tablets, deep root planters, salvaging and resetting clay bricks (where applicable), and all associated work, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.65 TREES 24" BOX

This item shall consist of furnishing and installing 24-inch box trees as shown on the Drawings and in conformance with the applicable provisions of Sections 19-4 and 19-5 (Plants to Headers, Stakes, and Ties) of the City of Turlock Standard Specifications, and these Special Provisions.

Payment will be made at the contract unit price per each 24-inch box tree installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary for tree planting, including but not limited to plant materials, backfill, staking, ties, fertilizer tablets, and all associated work, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.66 LINEAR ROOT BARRIER

This item shall consist of furnishing and installing root barrier as shown on the Drawings and in conformance with the applicable provisions of Section 19-4 (Plants) of the City of Turlock Standard Specifications and these Special Provisions. Root barriers shall be installed at locations indicated on the Plans and in accordance with the manufacturer's specifications to prevent root intrusion into adjacent improvements.

Linear Root barrier shall be Deeproot UB 24-2, or approved equal. Plant material shall be installed in coordination with root barrier placement to ensure proper alignment and protection.

Payment will be made at the contract unit price per linear foot of root barrier installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the installation of root barrier, including but not limited to excavation, placement, alignment, backfilling, compaction, and coordination with adjacent planting, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.67 DARK BROWN RUBBER BARK MULCH (3" THICK)

This item shall consist of furnishing and installing dark brown rubber bark mulch to a uniform depth of 3 inches, as shown on the Drawings and in conformance with these Special Provisions.

The Contractor shall contact the City for approved product information prior to ordering and installation. Rubber bark mulch shall be clean, free of contaminants, and consistent in size, color, and texture. Mulch shall be evenly distributed and maintained at the specified depth without mixing into the soil.

Payment will be made at the contract unit price per cubic yard of rubber bark mulch installed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for performing all work necessary to complete the installation of rubber bark mulch, including delivery, spreading, leveling, cleanup, and any required touch-up, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.68 IMPORTED TOP SOIL (12" DEEP)

This item shall consist of furnishing and placing imported topsoil to a uniform depth of twelve (12) inches in all permanent planting areas, as shown on the Drawings and in conformance with the provisions of Section 19-1 (Landscape Materials) of the City of Turlock Standard Specifications and these Special Provisions.

Imported topsoil shall be designated as Class A (Imported) and shall be subject to the Engineer's approval prior to use. Topsoil shall have a friable sandy loam character and shall be free of roots, clods, stones larger than one (1) inch in greatest dimension, pockets of coarse sand, noxious weeds, sticks, brush, and other deleterious materials. The material shall not be infested with nematodes, other harmful insects, or plant disease organisms.

Topsoil composition and performance shall meet the following requirements:

- Gradation limits shall conform to ASTM D422.
- Permeability shall not be less than 0.5 inches (13 mm) per hour nor more than 2 inches (51 mm) per hour, tested in accordance with ASTM D2434 or other approved methods.
- Material shall be uniform in composition and structure throughout.
- Soil shall be transported directly from the approved source to its final position unless stockpiling is specifically authorized. Placement shall be in uniform lifts, graded, and compacted as necessary to achieve a stable planting surface.

At tree planting locations, imported topsoil shall be placed to a greater depth as required to accommodate the full depth of the tree root ball, in accordance with the Plans and planting details.

Payment will be made at the contract unit price per cubic yard of imported topsoil placed. The unit price shall constitute full compensation for furnishing all labor, materials, tools, equipment, soil testing, transportation, placement, spreading, grading, and incidentals, and for performing all work necessary to complete the import and installation of topsoil, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.69 SOIL AMENDMENT AND FERTILIZER

This item shall consist of applying soil amendment and fertilizer to all the proposed permanent planting areas as shown on the Drawings in conformance with the applicable paragraphs of Sections 9-2 (Soil Fertilizing and Conditioning Materials) of the City of Turlock Standard Specifications and these Special Provisions.

For bidding purposes, assume the following per 1,000 square feet:

- 4 cubic yards of compost, incorporated into the top 6 inches of soil
- 12 lbs of 10-10-10 slow-release fertilizer
- 1lb of granular sulfur fertilizer

Final compost and fertilizer types and application rates shall be confirmed based on the soil test results in accordance with MWELO requirements.

Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in soil amendment, fertilizer, and soil lab test, as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.70 PLANTING PROTECTION DURING CONSTRUCTION

This item shall consist of furnishing, installing, operating, monitoring, and maintaining all measures necessary to protect existing trees, shrubs, and other plant materials designated to remain within the project limits during the construction period, as shown on the Drawings and in conformance with these Special Provisions and as directed by the Engineer. Work shall include, but is not limited to, furnishing and installing temporary high-visibility fencing along existing curbs or other approved limits to protect planting areas; maintaining protective barriers in good condition throughout construction; and providing temporary irrigation when existing irrigation systems are interrupted, damaged, or rendered inoperative. Temporary irrigation may include hand watering, temporary above-grade hose or pipe systems, drip bubblers, portable irrigation devices, water trucks, or other methods approved by the Engineer. The Contractor shall furnish and supply all water required and shall submit a proposed watering method and schedule for review and approval by the Engineer prior to implementation. All protection measures shall ensure the survival and health of existing plant materials designated to remain.

Payment will be made at the contract lump sum price for Planting Protection During Construction. The lump sum price shall constitute full compensation for furnishing all labor, water supply, materials, tools, equipment, and incidentals, and for performing all work necessary to protect existing planting during construction, including installation, operation, monitoring, maintenance, adjustment, relocation, repair, and removal of temporary fencing and irrigation facilities, furnishing and transporting water, submittals, and all related work complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.71 LANDSCAPE MAINTENANCE AND ESTABLISHMENT PERIOD, 365 DAYS

This item shall consist of performing landscape maintenance for all landscape areas planted under this Contract, as shown on the Drawings and in conformance with these Special Provisions, and Caltrans Standard Specifications Section 20-4.

The Landscape Maintenance and Establishment Period shall be 365 calendar days, beginning on the approved Start of Maintenance Period date as determined by the Engineer. The landscape maintenance and establishment period shall continue throughout this period and until final acceptance of the Work.

During the maintenance period, the Contractor shall be responsible for providing all care necessary to ensure the survival and healthy growth of all plant materials. Work shall include, but not be limited to, watering, cultivating, weeding, fertilizing, pruning, spraying for insects and disease, replacing damaged or dead plants, adjusting and repairing irrigation systems, cleaning up planting areas, and all other operations required for proper establishment.

At the time of final acceptance, all planting areas shall be healthy, vigorous, and free of weeds, as determined by the Engineer. Any plants that are dead, declining, missing, or otherwise not in satisfactory condition shall be replaced at no additional cost to the Owner prior to acceptance.

Payment will be made at the contract lump sum price for landscape maintenance. The lump sum price shall constitute full compensation for furnishing all labor, water, materials, tools, equipment, and incidentals, and for performing all work necessary to maintain all landscape areas during the maintenance period, complete in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer.

10.72 MOBILIZATION & DEMOBILIZATION

Mobilization is intended to compensate the Contractor for operations including, but not limited to, those

necessary for the movement of personal, equipment, supplies and incidentals to / from the project site; for the payment of premium cost and insurance for the project; for any necessary costs of acquisition of equipment, including purchase and mobilization expense; and for any other work and operations which must be performed or costs that must be incurred incident to the initiation of meaningful work at the site and for which payment is not otherwise provided in the contract.

(1) When 5 percent of the original contract amount is earned, 50 percent of the amount bid for mobilization, or 5 percent of the original contract amount, whichever is less, may be paid.

(2) When 10 percent of the original contract amount is earned, 75 percent of the amount bid for mobilization or 7.5 percent of the original contract amount, whichever is less, may be paid.

(3) When 20 percent of the original contract amount is earned, 95 percent of the amount bid for mobilization, or 9.5 percent of the original contract amount, whichever is less, may be paid.

(4) When 50 percent of the original contract amount is earned, 100 percent of the amount bid for mobilization, or 10 percent of the original contract amount, whichever is less, may be paid.

(5) Upon completion of all work on the project, payment of any amount bid for mobilization in excess of 10 percent of the original contract amount will be paid.

The Contract lump sum price paid for mobilization shall include full compensation for establishing temporary construction storage locations, moving equipment to the project site for the establishment of facilities necessary for work on the project, applying for and obtaining all required permits, and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items, including all related administration throughout its duration, and demobilization.

The total price bid for mobilization shall include the cost of all mobilization, demobilization, and administration for the entire contract period.

The City shall make the final determination of the allowable percentage of completion for the payment of mobilization and shall approve the percentage paid based on the percent of contract amount actually earned which will be based upon actual work completed.

SECTION 11 SIGNALS, LIGHTING, RRFB & IRRIGATION ELECTRICAL SYSTEMS

Traffic signal, lighting, RRFB, electrical service for irrigation and sign illumination shall conform to the provisions in section 86, "Electrical Work", and section 87, “Electrical Systems”, of the Caltrans plans and specifications, except as amended by this project's specifications.

Traffic signal installation and removal of existing electrical equipment, street light poles and standards work shall be performed along Geer Road between Golden State Boulevard and Taylor Road. Signal work to be performed at the following locations: Geer Road at Golden State Boulevard, Canal Drive, Hawkeye Avenue, North Avenue, Pedras Avenue, Tuolumne Road, Minnesota Avenue, Monte Vista Avenue, Christoffersen Parkway, Springer Drive, and Taylor Road. Rectangular Rapid Flashing Beacon work to be performed at the following locations: Geer Rd at Starr Avenue, 20th Century Boulevard, and Calaveras Way. Street lighting work to be performed along Geer Road between Golden State Boulevard, and Canal Drive. Electrical service for irrigation facilities to be performed at the following locations: Geer Road near Calaveras Way, Christoffersen Parkway and Springer Drive.

Contractor shall coordinate with the City of Turlock for any temporary signal shutdown periods. No traffic signal shutdowns will be permitted between the peak hours of 7:00 AM to 9:00 AM, 11:00 AM to 1:00 PM, and 4:00 PM to 6:00 PM. The contractor shall coordinate with the City of Turlock a minimum of 72 hours in advance of any planned temporary signal shutdowns.

Prior to disrupting any of the existing loop detection, contractor shall install and activate the new camera detection system, otherwise, a temporary detection system will be required. If a temporary detection systems is used, such will be part of the overall lump sum bid price for the associated traffic signal system and no further compensation will be provided.

11.01 COST BREAK-DOWN

Submit a cost break-down for the signals, lighting, RRFB and irrigation electrical systems bid items. The break-down shall include the following bid item sub-parts: foundations, standards and poles, conduit, pull boxes, conductors and cables, service equipment, signal heads, pedestrian heads, accessible pedestrian signals, hybrid radar/video detection cameras, hybrid radar/video detection cabinet equipment, and luminaires.

The cost breakdown shall be submitted to the engineer for approval within 15 days after the contract has been approved. Before any partial payment for the items of electrical work will be made, the engineer shall approve the cost breakdown, in writing.

11.02 STANDARDS, STEEL PEDESTALS AND POSTS

Where the plans refer to the side tenon detail at the end of the signal mast arm, the applicable tip tenon detail may be substituted.

The sign mounting hardware shall be installed at the locations shown on the plans. Handholes for signal standards shall be located 90 degrees clockwise from the traffic signal mast arm.

Type 1 standards shall be assembled and set with the handhole on the downstream side of the pole in relation to traffic, or as shown on the plans.

Signal standards and mast arms shall be per the Caltrans State Standard Plans and Specifications. Modified pole heights should be trimmed in a workman like manner and a pole cap shall be installed which fits the modified height. Additionally, ensure all signal standards will meet CPUC GO 95 radial

clearances of overhead supply cables at all proposed locations prior to ordering poles.

Contractor to provide shop drawing submittal for all cabinets, standards, steel pedestals, and posts to be submitted within the first 20 working days of the contract. Contractor shall include a vendor statement certifying the anticipated delivery date of the material.

11.03 CONDUIT

Conduit to be installed underground shall be type 3 unless otherwise specified. Detector termination conduits shall be type 3.

The conduit in a foundation and between a foundation and the nearest pull box shall be type 1.

When type 3 conduit is placed in a trench (not in pavement or under Portland cement concrete sidewalk), after the bedding material is placed and the conduit is installed, the trench shall be backfilled with commercial quality concrete, containing not less than 420 lbs of Portland cement per cubic yard, to not less than 4 inches above the conduit before additional backfill material is placed.

Conduit runs shown on the plans to be located behind curbs, may be installed in the street, within 3 feet of and parallel with the face of the curb, by the "trenching in pavement method" in conformance with the Caltrans standard specifications. Pull boxes shall be located behind the curb or at the locations shown on the plans.

After conductors have been installed, the ends of conduits terminating in pull boxes, service equipment enclosures, and controller cabinets shall be sealed with an approved type of sealing compound.

At other locations where conduit is required to be installed under pavement and if a delay to vehicles will not exceed 5 minutes, conduit may be installed by the "trenching in pavement method." all conduits installed in the street areas shall be installed at a minimum 24-inch depth from the surface of the finished street to the top of the conduit.

11.04 PULL BOXES

Pull boxes shall be precast concrete of the type shown on the Plans and conforming to the provisions in Section 86-1.02C, “Pull Boxes,” of the State Standard Specifications and these Specifications. All pull boxes need to include an extension and grout shall be placed at the bottom of each pull box extension, unless otherwise noted. Vandal-resistant locking lids shall be provided and installed by the contractor at final inspection of the traffic signal. Contractor shall provide temporary lids during construction. Locking lids shall be galvanized steel diamond plate, minimum thickness 3/16", with minimum two (2) clamping jaws and shall be keyed to the City of Turlock. Contractor shall tighten down all locking lids to a minimum torque spec of 25 foot-pounds.

11.05 CONDUCTORS AND WIRING

Splices shall be insulated by method "B" and follow the specifications in Section 87-1.03H(2) “Splice Insulation Methods” of the State Standard Specifications. Any conduit which are to be abandoned per the plans shall have all conductors removed. Any conductors which are to be installed per the plans shall follow these specifications and Section 87-1.03F(2), “Cables”, of the State Standard Specifications.

TESTING

The contractor shall perform a high-voltage series lighting test consisting of the open circuit voltage of the connected constant current transformer between conductors and ground.

The high-voltage test shall not be performed on existing circuits or equipment. Non-testing of existing circuits and equipment shall not relieve the contractor from the responsibility for malfunctioning of existing lighting circuits due to the contractor making splices in or connecting to the circuits and such malfunctions shall be corrected at the contractor's expense.

11.06 ELECTRICAL SERVICE

Continuous welding of exterior seams in service equipment enclosures is not required.

Type III service equipment enclosures shall be the aluminum type.

Circuit breakers shall be the cable-in/cable-out type, mounted on non-energized clips. All circuit breakers shall be mounted vertically with the up position of the handle being the "on" position.

Service shall be provided with up to 2 main circuit breakers, which shall disconnect ungrounded service entrance conductors. Where the "main" circuit breaker consists of 2 circuit breakers as shown on the plans or required in the special provisions, each of the circuit breakers shall have a minimum interrupting capacity of 10,000 amps, rms.

Circuit breakers used as service disconnect equipment shall have a minimum interrupting capacity of 42,000 amps, rms, for 120/240 V(AC) services and 30,000 amps, rms, for 480 V(AC) services.

City shall arrange for single phase electrical service through the Turlock Irrigation District as shown on the plans. City shall pay all T.I.D. fees directly. Contractor shall be responsible to install all conduit and conductor from the transformer to the service panel per T.I.D. standards.

11.07 MODEL 2070 CONTROLLER ASSEMBLY

The model 2070 controller assemblies shall include model 2070 ATC controller, McCain omni ex local intersection control software, 2070-1C or 2070-1E CPU module, 2070-2A or 2070-2E field I/O module, 2070-3B display module, 2070-4A power supply module, 2070-7A asynchronous communication module (dual rs-232), 2070-7G GPS time base module, vehicle detection cards, switch packs and all auxiliary equipment necessary to operate the phasing sequence and emergency vehicle preemption shown on the plans.

The type 332 cabinet shall have a controller cabinet drawer included to hold plans, maintenance logs and timing sheets. The controller shall also include a cabinet light as required within the Caltrans standard specifications. The light shall automatically turn on and remain on anytime one of the cabinet doors is opened.

The testing of the controller and cabinet shall be performed by a testing laboratory and certified to meet the specifications and requirements of the state of California department of transportation. The testing costs and transportation of the controller and cabinet to the testing laboratory shall be at the contractor's expense and shall be included in the lump sum price paid for the traffic signal as set forth in the proposal.

The contractor shall make arrangements to have a signal technician, qualified to work on the controller unit and employed by the controller unit manufacturer or their representative, present at the time the equipment is turned on.

The type 332 traffic signal cabinets shall be pre-wired with "green sensor" harness for "Opticom"

preemption.

11.08 NUMBERING ELECTRICAL EQUIPMENT
The contractor shall place Turlock irrigation district number labels on electrical equipment. The Turlock irrigation district will supply the numbers for the contractor's installation.

11.09 VEHICLE SIGNAL FACES AND SIGNAL HEADS
All red, amber and green lights (ball or arrow) shall be 12 inch in size and shall utilize light emitting diode signal modules. Each light emitting diode signal module shall consist of an assembly that utilizes light emitting diodes as the light source. Each light emitting diode signal module shall be designed to be installed in the door frame of a standard traffic signal housing. The contractor shall furnish all LED lamps. Signal modules shall be listed in the Caltrans Qualified Product List for LED traffic signal modules.

11.10 PEDESTRIAN SIGNALS
Pedestrian signals shall be type A black in color. International symbol indications shall be provided. The pedestrian signal indications shall have LED's signal modules that meet Caltrans specifications "countdown type" with "full figure display". Pedestrian signals shall be listed in the Caltrans Authorized Materials List for LED pedestrian modules

The following type of screen shall be provided:
A 1 1/2-inch deep eggcrate-type screen either of 0.020-inch maximum thickness 3003 h14 aluminum alloy or of 0.030-inch nominal thickness polycarbonate. The assembly shall be mounted in a frame constructed of 0.040-inch minimum thickness aluminum alloy or polycarbonate black in color.

The eggcrate-type screen shall be installed parallel to the face of the message plate and shall be held in place by the use of stainless-steel screws.

The screen and frame shall be anodized flat black or may be finished with flat black enamel as specified in section 86-1.02S(3)(d), "Front Screen", contractor's expense.

Alternate methods may be substituted for the above screening providing the results are equal to or superior to those obtained with the above-specified screen as determined by the city engineer.

11.11 PEDESTRIAN PUSHBUTTONS
The accessible pedestrian signal (APS) system shall be the Polara 2-wire iNavigator2 (iNS2-9-U-B-1-Y) or approved equal. The APS system shall include all buttons, signs, cables and the intelligent central control unit (ICCU-C2). The APS shall be yellow and provide both a vibrating arrow button and audible custom message during the “walk” interval, as well as a locating tone during the pedestrian clearance and don't walk intervals. Sign shall be a 9"x12" R10-3b MUTCD compliant sign with braille on the faceplate, mounted just above the push button. The APS ICCU-C2 shall be supplied and be placed in cabinet input file at I-12/I-13 with the card edge plugged into I-13. The power supply pigtail shall be cut to length to eliminate excess cable, with power obtained from the PDA T1 terminal strip, terminals 1, 3, & 5. Contractor shall provide the city the latest means of programming the APS system, and digital copies of audio files. The means of programming the APS must meet the requirements of the manufacturers approved and tested devices' list. The contractor or vendor representative shall install the initial programming with the submitted unit with the city present. Upon completion contractor will provide the city with the programming unit. Pedestrian pushbuttons shall meet revision 9 of the 2014 edition of the MUTCD requirements for accessible pedestrian signals (APS). Contractor shall provide the APS where the revision 9 of the 2014 edition of the MUTCD language is such that a feature "shall"

be required. The push button sign shall be porcelain enameled metal. The push button shall include a R10-3b sign immediately above the button.

Pole-supported pedestrian traffic control buttons shall be identified with color coding consisting of a textured horizontal yellow band 2" in width encircling the pole, and a 1" wide dark border band above and below the yellow band. Color coding should be placed immediately above the control button. Control buttons shall be located at 42" above the surface adjacent to the pole.

11.12 EMERGENCY VEHICLE DETECTOR SYSTEM

Traffic signal shall have an emergency vehicle detector system that shall conform to the details shown on the plans and these special provisions.

General

Each emergency vehicle detector system shall consist of an optical emitter assembly or assemblies located on the appropriate vehicle and an optical detector/discriminator assembly or assemblies located at the traffic signal.

Emitter assemblies are not required for this project except units for testing purposes to demonstrate that the systems perform as specified. Tests shall be conducted in the presence of the engineer as described below under "system operation" during the signal test period. The engineer shall be given a minimum of 2 working days notice prior to performing the tests.

Each system shall permit detection of 2 classes of authorized vehicles.

Class I (mass transit) vehicles shall be detected at ranges of up to 900 feet from the optical detector. Class II (emergency) vehicles shall be detected at ranges up to 1800 feet from the optical detector. Class I signals (those emitted by class I vehicles) shall be distinguished from class II signals (those emitted by class II vehicles) on the basis of the modulation frequency of the light from the respective emitter. The modulation frequency for class I signal emitters shall be 9.639 Hz € 0.110 Hz. The modulation frequency for class II signal emitters shall be 14.035 Hz € 0.250 Hz.

A system shall establish a priority of class II vehicle signals over class I vehicle signals and shall conform to the requirements in section 25352 of the California vehicle code.

Optical detection/discriminator assembly

General

Each optical detection/discriminator assembly shall consist of one or more optical detectors, connecting cable and a discriminator module.

Each assembly, when used with standard emitters, shall have a range of at least 990 feet for class I signals and 1800 feet for class II signals. Standard emitters for both classes of signals shall be available from the manufacturer of the system. Range measurements shall be taken with all range adjustments on the discriminator module set to "maximum".

Optical detector

Each optical detector shall be a waterproof unit capable of receiving optical energy from two separately amiable directions. The horizontal angle between the 2 directions shall be variable from 180 degrees to 5 degrees.

The reception angle for each photocell assembly shall be a maximum of 8 degrees in all directions about the aiming axis of the assembly. Measurements of reception angle will be taken at a range of 990 feet for a type I emitter and at a range of 1800 feet for a type II emitter.

Internal circuitry shall be solid state and the associated discriminator module shall provide electrical power.

Each optical detector shall be contained in a housing, which shall include 2 rotatable photocell assemblies, an electronic assembly and a base. The base shall have an opening to permit mounting on a mast arm or a vertical pipe nipple, or suspension from a span wire. The mounting opening shall have female threads for one inch conduit. A cable entrance shall be provided which shall have male threads and gasketing to permit a waterproof cable connection. Each detector shall have mass of less than 2.4 lbs and shall present a maximum wind load area of 36 inches squared. The housing shall be provided with weep holes to permit drainage of condensed moisture.

Each optical detector shall be installed, wired and aimed as specified by the manufacturer.

Cable
Optical detector cable (ev-c) shall meet the requirements of IPCEA-S-61-402/NEMA WC 5, section 7.4, 600V (AC) control cable, 75 c, type b, and the following:

A. The cable shall contain 3 conductors, each of which shall be no. 20 (7 x 28) stranded, tinned copper with low-density polyethylene insulation. Minimum average insulation thickness shall be 0.63 mm. Insulation of individual conductors shall be color-coded: 1-yellow, 1-blue, and 1-orange.
B. The shield shall be either tinned copper braid or aluminized polyester film with a nominal 20 percent overlap. Where film is used, a no. 20 (7 x 28) stranded, tinned, bare drain wire shall be placed between the insulated conductors and the shield and in contact with the conductive surface of the shield.
C. The jacket shall be black polyvinyl chloride with minimum ratings of 600 V (AC) and 80 C and a minimum average thickness of 1.1 mm. The jacket shall be marked as required by IPCEA/NEMA.
D. The finished outside diameter of the cable shall not exceed 8.9 mm.
E. The capacitance, as measured between any conductor and the other conductors and the shield, shall not exceed 157 pf per meter at 1000 Hz.
F. The cable run between each detector and the controller cabinet shall be continuous without splices or shall be spliced only as directed by the detector manufacturer.

Discriminator module
Each discriminator module shall be designed to be compatible and usable with a model 170 controller unit and to be mounted in the input file of a model 332 or model 336 controller cabinet, and shall conform to the requirements of chapter of the state of California, department of transportation, "traffic signal control equipment specifications",

Each discriminator module shall be capable of operating two channels, each of which shall provide an independent output for each separate input.

Each discriminator module, when used with its associated detectors, shall perform the following:

A. Receive class I signals at a range of up to 900 feet and class II signals at a range of up to 1800 feet.
B. Decode the signals, on the basis of frequency, at 9.639 Hz € 0.119 Hz for class I signals and 14.035 Hz € 0.255 Hz for class II signals.
C. Establish the validity of received signals on the basis of frequency and length of time received. A signal shall be considered valid only when received for more than 0.50-second. No combination of class I signals shall be recognized as a class II signal regardless of the number of signals being received, up to a maximum of 10 signals. Once a valid signal has been recognized, the effect shall be held by the module in the event of temporary loss of the signal for a period adjustable from 4.5 seconds to 11 seconds in at least 2 steps at 5 seconds € 0.5 second and 10 seconds € 0.5 second.

D. Provide an output for each channel that will result in a "low" or grounded condition of the appropriate input of a model 2070 controller unit. For class I signal the output shall be a 6.25 Hz € 0.1 percent, rectangular waveform with a 50 percent duty cycle. For class ii signals the output shall be steady.

Each discriminator module shall receive electric power from the controller cabinet at either 24 V (DC) or 120 V (AC).

Each channel together with the channel's associated detectors shall draw not more than 100 ma at 24 V (DC) or more than 100 ma at 120 V (AC). Electric power, one detector input for each channel and one output for each channel shall terminate at the printed circuit board edge connector pins listed below:

Board edge connector pin assignment

A	Dc ground		
B	+24V (DC)	P	(nc)
C	(nc)		
D	Detector input, channel A	R	(nc)
E	+24V (DC) to detectors	S	(nc)
F	Channel A output (C)	T	(nc)
		U	(nc)
H	Channel A output (E)	V	(nc)
J	Detector input, channel B	W	Channel B output (C)
K	DC ground to detectors	X	Channel B output (E)
L	Chassis ground	Y	(nc)
M	AC-	Z	(nc)
N	AC+		

(C) collector, slotted for keying
(E) emitter, slotted for keying
(nc) not connected, cannot be used by manufacturer for any purpose

Two auxiliary inputs for each channel shall enter each module through the front panel connector. Pin assignment for the connector shall be as follows:

A. Auxiliary detector 1 input, channel a
B. Auxiliary detector 2 input, channel a
C. Auxiliary detector 1 input, channel b
D. Auxiliary detector 2 input, channel b

Each channel output shall be an optically isolated npn open collector transistor capable of sinking 50 ma at 30 V (AC) and shall be compatible with the model 2070 controller unit inputs.

Each discriminator module shall be provided with means of preventing transients received by the detector from affecting the model 2070 controller assembly.

Each discriminator module shall have a single connector board and shall occupy one slot width of the input file. The front panel of each module shall have a handle to facilitate withdrawal and the following controls and indicators for each channel:

A. Three separate range adjustments each for both class I and class II signals.
B. A 3-position, center-off, momentary contact switch, one position (down) labeled for test operation of class I signals, and one position (up) labeled for test operation of class II signals.
C. C. A "signal" indication and a "call" indication each for class I and for class II signals. The "signal" indication denotes that a signal above the threshold level has been received. A "call" indication denotes that a steady, validly coded signal has been received. These 2 indications may be accomplished with a single indication lamp; "signal" being denoted by a flashing indication and "call" with a steady indication.

In addition, the front panel shall be provided with a single circular, bayonet-captured, multi-pin connector for 2 auxiliary detector inputs for each channel. Connector shall be a mechanical configuration conforming to the requirements in military specification mil-c-26482 with 10-4 insert arrangement, such as burndy trim trio bantamate series,

A. Wall mounting receptacle, g0b10-4pne with sm20m-1s6 gold plated pins.
B. Plug, g6l10-4sne with sc20m-1s6 gold plated sockets, cable clamp and strain relief that shall provide for a right angle turn within 65 mm maximum from the front panel surface of the discriminator module.

Cabinet wiring
The model 332 cabinet has provisions for connections between the optical detectors, the discriminator module and the model 2070 controller unit.

Wiring for a model 332 cabinet shall conform to the following:

A. Slots 12 and 13 of input file "j" have each been wired to accept a 2-channel module.
B. Field wiring for the primary detectors, except 24-V (DC) power, shall terminate on either terminal board tb-9 in the controller cabinet or on the rear of input file "j," depending on cabinet configuration. Where tb-9 is used, position assignments shall be as follows:

Position	Assignment

4	Channel A detector input, 1st module (slot j-12)
5	Channel B detector input, 1st module (slot j-12)
7	Channel A detector input, 2nd module (slot j-13)
8	Channel B detector input, 2nd module (slot j-13)

The 24V (DC) cabinet power will be available at position 1 of terminal board tb-1 in the controller cabinet. Field wiring for the auxiliary detectors shall terminate on terminal board tb-o in the controller cabinet. Position assignments are as follows:

For module 1 (j-12)

Position	Assignment
1	+24V (DC) from (j-12e)
2	Detector ground from (j-12k)
3	Channel A auxiliary detector input 1
4	Channel A auxiliary detector input 2
5	Channel B auxiliary detector input 1
6	Channel B auxiliary detector input 2

For module 2 (j-13)

Position	Assignment
7	+24v (dc) from (j-13e)
8	Detector ground from (j-13k)
9	Channel A auxiliary detector input 1
10	Channel A auxiliary detector input 2
11	Channel B auxiliary detector input 1
12	Channel B auxiliary detector input 2

System operation

The contractor shall demonstrate that the components of each system are compatible and will perform satisfactorily as a system. Satisfactory performance shall be determined using the following test procedure during the functional test period:

A. Each system to be used for testing shall consist of an optical emitter assembly, an optical detector, an optical detector cable and a discriminator module.
B. The discriminator modules shall be installed in the proper input file slot of the model 2070 controller assembly.
C. Two tests shall be conducted; one using a class I signal emitter and a distance of 900 feet between the emitter and the detector, the other using a class II signal emitter and a distance of 1800 feet between the emitter and the detector. Range adjustments on the module shall be set to "maximum" for each test.
D. Each test shall be conducted for a period of one hour, during which, the emitter shall be operated for 30 cycles, each consisting of a one-minute "on" interval and a one-minute "off" interval. During the total test period the emitter signal shall cause the proper response from the model 2070 controller unit during each "on" interval and there shall be no improper operation of either the model 2070 controller unit or the monitor during each "off" interval.

11.13 NOT USED:

11.14 LUMINARIES

Luminaires shall each have the following features:

Intersection safety lighting mounted to traffic signal poles:

- High-flux white LED producing a minimum of 90% of initial intensity over 75,000 hours of life per ies tm-21. LEDs testing per ies lm-80.
- 120v - 277v.
- Utility wattage label and rubber wildlife guard options included.
- 4000k color temperature
- Type 2 medium distribution, fully sealed with ip66 rating
- 2-hour burn in factory test
- Factory set "1a" drive current code
- One piece die cast aluminum housing with universal two-bolt slip fitter to mount to 1-1/4" to 2" diameter mast arm
- Leveling adjustment from +/- 5 degrees
- Rated life of electrical components is 100,000 hours.
- Fade resistant polyester powder coat finish with 3 mil thickness. Finish tested to withstand 5,000 hours salt spray per ASTM b117.
- Ul listed for use in wet locations in the USA.
- 10-year warranty
- Vandal resistance of housing and optics rated to ik10
- Minimum delivered lumens = 11,720 lm, with efficacy (lm/w) minimum = 116
- Photo cell shall be int-matelc4536 305v photo control

11.15 INTERNALLY ILLUMINATED STREET NAME SIGNS

1. Background and Color
    a. Background Color: Blue
    b. Font Color: White
    c. Border: 0.5-inch white border around the sign face
    d. Frame Color: Black, powder-coated or painted finish
2. Font and Lettering
    a. Font Type: Revision 9 of the 2014 edition of the MUTCD-approved Highway Gothic (FHWA Series C-E)
    b. Letter Case: Uppercase and lowercase combination (e.g., E Tuolumne Rd)
    c. Letter Height:
        i. Uppercase: 10 inches
        ii. Lowercase: 8 inches
    d. Directional Prefixes/Suffixes: Same height as street name (e.g., E, Rd)
    e. Text Alignment: Centered horizontally and vertically on the sign face
    f. Spacing: Standard FHWA spacing
3. Sign Configuration
    a. Mount Type: Under-hang
    b. Construction: Double-sided
    c. Sign Height: 24 inches
    d. Sign Length: Up to 120 inches (varies by street name length)
    e. Frame Finish: Smooth black housing with no visible hardware on sign faces
4. Sign Material
    a. Material: Aluminum Housing
    b. Type: Internally Illuminated
    c. Lighting Type: LED

1.0 enclosure

- The sign shall be constructed of 0.125" thick type 5052-832 grade aluminum, with a tig-welded frame for maximum durability of the sign enclosure.
- The sign's viewable opening shall be available in 15”-, 18”-, and 24”-inch spans (heights).
- The sign's viewable opening shall be available in 48”-, 72”-, 96”-, and 120”-inch lengths, as measured by the viewable opening of the sign.
- The sign enclosure shall be no more than 3.50" inches thick, regardless of whether it is a single-faced sign or a double-faced sign.
- The sign shall be designed in such a way as to make it possible to convert the sign from a single-sided sign to a double-sided sign (or the reverse), with only a change in the face plates/back plates of the sign. The enclosure must not change dimensions with this conversion from a single-sided sign to a double-sided sign (or the reverse).
- The sign shall weigh no more than 5 lbs. Per square foot.
- The sign shall utilize a continuous stainless-steel hinge on the bottom of the enclosure for a 180 - degree swing-down door operation. The sign shall also be fabricated in a way to ensure that no components fall out while a technician is opening or working inside the sign enclosure. Because adhesive tape and silicone are not acceptable alternatives for fastening the sign face to the door of the enclosure when opened, rigid aluminum bracket hardware will be utilized to keep the sign face in the door.
- The sign must be designed for dependable weather - resistant operation without the use of silicone to seal the enclosure.
- The sign shall utilize a ul-listed neoprene gasket between the door frame and the sign face acrylic on the door of the enclosure. Polyvinyl chloride / acrylonitrile butadiene rubber / chloroprene (neoprene ®) gasket shall be ul 94 listed, outdoor ozone polymer neoprene gasket that conforms to ASTM 1056 for compression resistance of 4-6 psi at 25% compression, ASTM 1667 for water absorption that does not exceed 0.l lbs/ft2, conformity with ASTM-412 for a tensile strength minimum of 50 psi. The neoprene gasket shall be applied to the door frame, and will not be applied to the sign face acrylic.
- The sign shall allow for power connection to either end of the sign via pre-fabricated "knockout."
- The sign face enclosure shall be designed as to allow complete replacement of the sign face with common tools (8/32" nut driver).
- The completed sign assembly, including the sign panels and sign mounting hardware, shall be designed and constructed to withstand sustained winds of 110 mph, and gusts of 150 mph, without damage to the sign's exterior or any of its internal components as determined by an independent testing laboratory.
- Mounting hardware will be securely affixed to the top and bottom of the enclosure for a secure fit on the enclosure, and the mounting bracket hardware shall extend no more than 3/16" above the top plane of the sign and shall not extend more than 3/16" below the bottom plane of the sign, respectively. The sign hardware shall not be conspicuous as viewed from the front of the sign enclosure. The sign must be supplied with rigid back brace mounting brackets on two positions on the back of the sign. The rigid back brace mounting brackets will be powder-coat painted to an exact match of the sign extrusions, and shall be in accordance with military standard mil-c-24712.
- The sign will have no holes drilled though the enclosure's back plate for use in a rigid mount mast arm configuration.
- All of the sign's weight will be supported by a bracket which securely grasps both the top and bottom rigid aluminum extrusions. Sign brackets, as provided by the manufacturer, will be

designed as to allow adequate vertical travel for adjustable installation on both straight and curvilinear mast arms.

- The sign's exterior surfaces shall be powder - coat painted in accordance with military standard mil-c-24712. Finish will meet the requirements of ASTM 03359, ASTM 03363, and ASTM 0552 for maximum durability and color retention over the life of the sign. The sign shall not be wet-painted on any portion of the sign. All external options that accompany the sign, to include the external junction box, shall also be powder-coated to the same standards.
- The sign shall utilize a ul-listed neoprene gasket between the door frame and the sign face acrylic on the door of the enclosure. Polyvinyl chloride / acrylonitrile butadiene rubber / chloroprene (neoprene ®) gasket shall be ul 94 listed, outdoor ozone polymer neoprene gasket that conforms to ASTM 1056 for compression resistance of 4-6 psi at 25% compression, ASTM 1667 for water absorption that does not exceed 0.1 lbs/ft2, conformity with ASTM-412 for a tensile strength minimum of 50 psi., and shall be a minimum thickness of one - half inch before installation and compression on a clean, de-greased surface.
- The sign shall come from the manufacturer with one eye bolt mounted securely in the top right end and one eye bolt mounted securely in the top left end of the sign, no more than 3.25" from the sign's end, for the attachment of safety cables upon installation.
- The sign and power supply should be able to withstand and operate at temperature extremes of -22 deg f to +140 deg f.

2.0 LED light source & luminance

- The internally-illuminated sign's LEDs shall have a life span of 60,000 hours before light output degrades to just 70% of its initial brightness.
- The sign shall be listed and approved to ul 48 standards by a nationally recognized testing laboratory. The outside of the sign shall be marked with a certification mark for electric signs ul 48.
- The sign shall have light output rating of 750-780 lux across the entire sign face, as measured by a light meter at 50 different points across the entire sign face.
- Sign panel LEDs shall be wired to ensure that a failure of one LED does not affect the sign's lux output by more than 10% lux over the affected area.
- Sign's LED panels will have one (1) press connection terminal on each end of the replaceable LED panel so that only common hand tools are required for the wiring replacement of said LED panel.
- The sign enclosure shall be designed as to allow complete replacement of the heat sync LED panels with common tools (phillips head screwdriver) if necessary.
- Threaded standoffs, mounted to the interior of the sign, shall be mounted 1/4" away from any exterior surface to allow for minimal heat transfer and damage to the LED panel from sunlight heating the outside of the enclosure, maximizing the life of the LEDs.

3.0 LED single output switching power supply

- LED single output switching power supply shall be a fully-encapsulated, constant current design built to withstand 300VAC surge input for 5 seconds, with inherent short circuit/over current/over voltage protection. The power supply shall be a ul 1310 class 2 power unit, and will be housed in a fully isolated plastic case to prevent water intrusion.
- The sign's LED single output switching power supply shall be rated for a 1750 ma (milliamps) rated current, a dc voltage range of 9-34V, a power rating of 59.5W, a voltage tolerance oi+t-

5.0%, an ac current of 0.7a/230VAC, and voltage range of 127-370VDC with 87% operating efficiency rating, plus a working temperature of-30 to +70 degrees Celsius

- Safety standards shall meet the following criteria: ul1310 class 2, can/csa c22.2 no. 223-m91 (for lpc-60-1750 only), 67 approved; design refer to tuv en60950-1, en61347-2-13.

4.0 energy requirements

The average power consumption of the sign shall not exceed:

6ft = 32 watts
8ft = 48 watts
10ft = 55 watts

5.0 sign face and material

- Sign faces shall be designed using only revision 9 of the 2014 edition of the MUTCD approved fonts and font sizes, in addition to the requesting agency's own preferences and specifications.
- The sign shall have a 3mm or 4mm acrylic front panel that is UV, weather, abrasion and impact resistant. The front panel shall be replaceable so that maintaining agencies have the option to supply their own sheeting and 3m 1170 series electrocut™ film for the sign faces.
- The sign shall utilize 3m's 1170 series electrocut™ film for the sign legend and sign background.
- 3m 4090 series ASTM type ix diamond grade™ sheeting shall be utilized, when specified, to meet minimum levels of the retro-reflectivity of the sign face, as recommended by revision 9 of the 2014 edition of the MUTCD, if the sign's LED's should fail.
- The light transmission factor of the sign panel must provide a letter to background ratio of a minimum of 4:1.
- The sign shall utilize impact resistant, match-grade component acrylics (in both 3mm and 4mm variants) with the above-specified 3m electrocut™ to prevent out-gassing, bubbling, peeling, and cracking of the sign face film, ensuring sign face durability over the life of the sign.

6.0 manufacturer's warranty

The sign will carry a 5-year manufacturer's warranty on the sign enclosure and all of its internal components.

11.16 PHOTOELECTRIC CONTROLS

Contactors shall be the mechanical armature mercury type. Model no. Elc4536 by Intermatic, or approved equal.

11.17 REMOVING, REINSTALLING, OR SALVAGING EQUIPMENT

Salvaged electrical materials shall be hauled to the city of Turlock at 701 S. Walnut Road. The contractor shall provide the equipment, as necessary, to safely remove all designated flashing beacons, street light poles, arms, standards and unload and stockpile the material. A minimum of 2 working days' notice shall be given prior to delivery. Contractor shall coordinate delivery of salvaged materials through the public works inspector.

11.18 HYBRID RADAR/VIDEO DETECTION SYSTEM

Contractor shall furnish and install video/radar camera detection. One camera per direction of travel. Camera shall detect stop bar and advanced vehicle detection approximately 350 feet in each direction. Hybrid radar/video detection system to be Iteris Vantage Apex. The video detection system shall include a rack mounted monitor, a spool of cable for the cameras, the Vantage Apex rack mounted cabinet interface assembly, and the SDLC cables. Actual placement of camera to be placed per manufacturer's staff direction. Prior to installation, contractor shall coordinate with manufacturer to program VDS system. Video detection zones to be coordinated with the City of Turlock city engineer or their designee.

11.19 TRAFFIC SIGNAL HEAD AND BACKPLATE REFURBISH

The contractor shall repaint all existing signal heads and backplates, excluding signal lenses, with flat black paint (RAL 9005 Jet Black or equal). Prior to painting, all surfaces shall be properly cleaned and prepared. Once signal heads have been cleaned, painted and have dried, the contractor shall install a 2” minimum yellow retroreflective strip along the perimeter of each signal head backplate per Caltrans standard plan ES-4C.

11.20 PROGRAMMABLE-VISIBILITY TRAFFIC SIGNAL HEADS

The contractor shall install signal programmable visibility traffic signal heads with 12” LED signal modules. Visibility zone shall be seen from a maximum of 225 feet as measured from the proposed limit line.

11.21 AUDIBLE INFORMATION DEVICE PEDESTRIAN PUSH BUTTONS (AID PPB)

The AID PPB system to be Polara iNavigatorX or approved equal. The AID system shall include all buttons, signs, and cables. The AID shall be yellow and provide both an arrow button and an audible standard message of “warning lights are flashing” during the “walk” interval, as well as a locating tone during the pedestrian clearance and don't walk intervals. Sign shall be a 9"x12" R10-25 MUTCD compliant sign with braille on the faceplate, mounted just above the push button. A six-conductor cable shall be routed from the push button station to the warning light system control unit. Contractor shall provide the city the latest means of programming the AID system, and digital copies of audio files. The means of programming the AID must meet the requirements of the manufacturers approved and tested devices' list. The contractor or vendor representative shall install the initial programming with the submitted unit with the city present. Upon completion contractor will provide the city with the programming unit. Contractor to ensure that the AID system meets current ADA and revision 9 of the 2014 edition of the CA-MUTCD requirements.

11.22 RRFB SIGNAGE

RRFB signage should include all signs which are to be mounted on the signal mast arm and the signal standard. Signs shall include a W11-2 (36”x36”) and a W16-7P(24”x12”).

11.23 RRFB LIGHTBAR SYSTEM

RRFB lightbar system shall be the Carmanah R920-MX AC-Powered RRFB w/ dual lightbars and shall include a MX-400 AC power module.

11.24 REMOVAL OF EXISTING 170E TRAFFIC SIGNAL CONTROLLER

The contractor shall remove and completely disconnect the 170E traffic signal controller from the existing signal only after the new 2070LX traffic signal controller has been installed and is fully operational. All salvaged equipment shall be hauled to the city of Turlock at 901 S. Walnut Road. The contractor shall notify the city at least two (2) working days prior to delivery. Contractor shall provide adequate means for safely unloading equipment.

11.25 REMOVAL OF EXISTING STREET LIGHTS

This work consists of removing existing streetlights at the locations shown on the Plans and in accordance with these Technical Specifications. Excavation for removal of streetlights must be backfilled by Contractor with native soil to a relative compaction of 90% relative compaction based on ASTM D 1557. When a streetlight which is being removed has its foundation void within the boundary of a proposed roadway, the void shall be backfilled by the contractor with clean fill material to 95% relative compaction. All salvaged equipment shall be hauled to the city of Turlock at 901 S. Walnut Road. The contractor shall notify the city at least two (2) working days prior to delivery. Contractor shall provide adequate means for safely unloading equipment.

SECTION 12 (BLANK)

SECTION 13 (BLANK)

SECTION 14 STANISLAUS COUNTY COORDINATION

Prior to the start of any work within the Stanislaus County right-of-way, the Contractor shall be responsible for attaining the applicable Agency permits and make arrangements for Agency inspections. The Contractor and all subcontractors shall each obtain an Agency business license at his/her expense, and shall be licensed in accordance with State Business and Professions Code.

The Contractor shall be responsible for identifying and obtaining all construction, safety, or miscellaneous permits, licenses, inspections, certificates, or authorizations required by any governing body or entity, and as required for this project, and costs and fees associated with said permits shall be borne solely by the Contractor.

The Contractor shall furnish the Project progress schedule with the anticipated start date, construction activities extending for the duration of the working days, and end date, for construction within the County right-of-way, to the Engineer and the County at the during project mobilization. Any deviation must be approved by Engineer and coordinated with the County. Contractor shall not be allowed to start construction activities with in County right-of-way until the schedule is accepted by Engineer and the County.

The cost for Stanislaus County coordination shall be considered as included in the various contract items, and no additional compensation shall be made.

APPENDIX A: FINAL PAVEMENT REPORT

FINAL PAVEMENT REPORT

Geer Road Pavement Rehabilitation
Turlock, California

Prepared by:

Crawford & Associates, Inc.
4701 Freeport Boulevard
Sacramento, CA 95822

April 30, 2026

Prepared for:

MARK THOMAS

Mark Thomas
2833 Junction Avenue, Suite 110
San Jose, CA 95134

Crawford & Associates, Inc.
Geotechnical Engineering, Design and Construction Services

Sacramento
Eureka
Modesto
Pleasanton
Santa Rosa
Seattle
Ukiah

April 30, 2026
Crawford File No. 23-931.2

Mr. Ed Noriega, PE
Mark Thomas
2833 Junction Avenue, Suite 110
San Jose, CA 95134

Subject: **City of Turlock 2024 Multiple Roads Rehabilitation**
Final Pavement Report
Turlock, California

Dear Mr. Noriega,

Crawford & Associates, Inc. (Crawford) is pleased to submit this Final Pavement Design Report for the Geer Road Rehabilitation project in Turlock, California. We prepared this report in accordance with our September 20, 2023 agreement. The purpose of this report is to provide pavement recommendations for consideration by the City of Turlock and the design team.

Thank you for selecting Crawford to be on your design team. Please call if you have questions or require additional information.

Sincerely,

Crawford & Associates, Inc.,

Kennedy Hauder, EIT
Project Engineer II

Reviewed By,

Benjamin Crawford, PE, GE
Principal

Amando Castro, PE
Project Manager

REGISTERED PROFESSIONAL ENGINEER
AMANDO BUENAVENTURA CASTRO
C 94561
CIVIL
STATE OF CALIFORNIA

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1 INTRODUCTION

Crawford & Associates, Inc. (Crawford) is pleased to submit this Final Pavement Design Report for the City of Turlock (City) Geer Road Rehabilitation project in Turlock, California. The purpose of this report is to support the City and the design team during project design and plan and specification development.

1.1 SCOPE OF SERVICES

To prepare this report, Crawford:

- Discussed the proposed improvements with Mr. Ed Noriega, PE and Ms. Jessica Regier, EIT, with Mark Thomas, and Mr. Fred Pezeshk, PE with the City;
- Reviewed the Preliminary Draft Pavement Management Report completed by Michael Baker International (Michael Baker) dated May 13, 2023;
- Reviewed current Pavement Condition Index values provided by the City;
- Conducted a site visit and marked USA on October 26, 2023;
- Conducted a pavement conditions assessment on November 2, 2023;
- Performed pavement coring and subsurface soil sampling between October 30 and November 3, 2023;
- Performed laboratory testing (R-values) on representative subgrade samples; and
- Performed calculations and engineering analysis.

2 PROJECT DESCRIPTION

We understand that the Geer Road Rehabilitation project is a City public infrastructure improvements project. Based on our conversations with the design team and the City, the primary purpose of this project is to rehabilitate and repair a 2.63 mile portion of Geer Road from W Taylor Road to N Golden State Boulevard.

Geer Road is classified as an arterial road and is on a north-south alignment through the northern and central portion of Turlock. Geer Road consists of one northbound lane, one southbound lane, and one center lane between W Taylor Road and E Springer Drive; and two northbound lanes, two southbound lanes, and an alternating center lane/median from E Springer Drive to N Golden State Boulevard.

3 HISTORICAL DATA

We reviewed the City of Turlock, City Council Special Meeting Agenda documents, which included the Preliminary Draft Pavement Management Program Report completed by Michael Baker, dated 13, 2022 (2022 Michael Baker Study).

4 FIELDWORK

Crawford evaluated the condition of the existing pavement by walking the roadway and reviewing the current pavement surface conditions. Crawford also cored the pavement at 29 locations to measure the existing pavement sections (Hot Mix Asphalt (HMA) and Aggregate Base (AB) thicknesses), identify historical overlays, the presence of paving fabric, and collect subgrade samples for laboratory testing.

We provide the overall project alignment in Figure 1A and present the core locations in Figures 1B and 1C.

4.1 PAVEMENT CONDITION ASSESSMENT

We reviewed the most recent Pavement Condition Index (PCI) values provided by the City. A PCI study provides data of the surface condition and takes into consideration pavement distress features observed from the surface of the roadway (including but not limited to crack density, length, width, and rutting). The PCI is based on a scale from 100 to 0, with 100 to 75 classified as excellent to good condition, 75 to 58 classified as fair condition, 58 to 40 classified as poor condition, and 40 to 0 classified as failed condition. Along the project alignment, between E Taylor Road and Calaveras Way the PCI values range from 85 to 76. Between Calaveras Way and E Monte Vista Avenue the PCI is 54. From E Monte Vista Avenue to Lincoln Avenue the PCI values range from 0 to 30, except between W. Canal Drive and Lincoln Ave in the southbound direction. Lastly, Lincoln Avenue to N Golden State Boulevard have a PCI value of 86.

During our pavement assessment, Crawford walked the project alignment and noted the current pavement conditions including cracking, patching/potholes, and surface distress. Based on the observations, the project alignment can generally be broken down into three sections as presented in Table 1 below. These sections are shown in Figures 1B and 1C.

Table 1: Geer Road Pavement Condition Assessment Generalized Sections

Section	Northern Boundary Location	Southern Boundary Location
1	E Taylor Road	Approximately 330 feet north of Calaveras Way
2	Approximately 330 feet north of Calaveras Way	Canal Drive
3	Canal Drive	N Golden State Boulevard

The assessment of each section is discussed below.

4.1.1 SECTION 1

The 2022 Michael Baker Study and current City PCI values are generally consistent and indicate Section 1 to have a PCI of between 85 to 76. The preliminary treatment method referenced in the 2022 Michael Baker Study was a preservation effort which includes crack sealing. In our experience, this PCI rating considers the pavement to be in good to excellent condition with simple preservation methods suitable for this section.

We observed the pavement condition to be in fair to moderate condition along the alignment with low severity shrinkage cracking in the form of transverse and longitudinal cracking. This cracking is beginning to transition into block cracking (see Photo 1 below). There was also evidence of two to three inches of overlay that appears to have been completed around 2015 based on Google

Earth historical imaging. Due to the age of the overlay, the cracks are likely propagating through the overlay and are revealed at the surface.



Photo 1: Section 1 Low Severity Shrinkage Cracking

4.1.2 SECTION 2

During the 2022 Michael Baker PCI study, Section 2 was broken down into a northern and southern section. The City PCI database show that the northern section (from Calaveras Way to Monte Vista Ave) had a PCI value of 54 and the 2022 Michael Baker Study ranged between 50 to 69 and no preliminary treatment method was suggested. Based on our experience, the PCI rating considers the pavement to be in poor to fair condition. Treatment for this range can be anywhere from preservation to a full rehabilitation method. In the southern portion of this section (from E Monte Vista Avenue to Canal Drive), the City PCI values ranged between 0 to 30 and the 2022 Michael Baker Study PCI range was between 0 to 49 with the preliminary treatment method suggesting reconstruction using 6 inches of HMA over 8 inches of AB. Based on our experience, this PCI range indicates a poor to failed condition and requires treatment ranging from rehabilitation to reconstruction.

We observed a slurry seal on the pavement surface and within our pavement cores. At the time of our pavement condition assessment, we observed moderate severity transverse cracks which have propagated through the slurry seal and weathering of the slurry seal. Aerial mapping (via Google Earth[1]) show that the slurry seal was completed between 2015 and 2016. Slurry seals will increase a PCI score by covering/sealing the cracking, however it does not address the deeper pavement issues; as evident from the cracking propagating through the seal (see Photo 2 below) relatively quickly.

[1] Earth.google.com



Photo 2: Section 2 Cracks Propagating through Slurry Seal and Weathering of the Slurry Seal

The measured PCI values for the southern portion of this section (from E Monte Vista Avenue to Canal Drive) are relatively consistent with the current PCI values and no preservation effort or maintenance was observed. We generally agree with the PCI values in this section and consider the pavement in this section to be in poor to failed condition. We observed high severity alligator and block cracking (see Photo 3 below) and isolated areas with low severity potholes. Rutting was observed in both the northbound and southbound lanes (See Photo 4 below). This feature indicates that repeated heavy traffic loading has compressed the subgrade and AB, and the section is no longer adequately supporting the pavement section.

The current PCI values along the southern portion of this section are as follows:

- Monte Vista Avenue to Regis Street: PCI 10
- Regis Street to Minnesota Avenue: PCI 5
- Minnesota Avenue to Tuolumne Road: PCI 0
- Tuolumne Road to Pedras Road: PCI 10 (southbound), 9 (northbound)
- Pedras Road to Hawkeye Avenue: PCI 25 (southbound), 0 (northbound)
- Hawkeye Avenue to Wayside Drive: PCI 25 (southbound), 3 (northbound)
- Wayside Drive to Canal Drive: PCI 30 (southbound), 0 (northbound)



Photo 3: Section 2 High Severity Block and Alligator Cracking



Photo 4: Rutting in Wheel Paths with Alligator Cracking in Lane Two.

4.1.3 SECTION 3

The City's current PCI database separates this section in the northbound and southbound direction. The southbound direction has a PCI value of 86 from Canal Drive to Golden State Boulevard; while the northbound direction has a PCI of 0 from Canal Drive to Lincoln Avenue and 86 from Lincoln Avenue to Golden State Boulevard. The 2022 Michael Baker PCI study differed from the City's PCI database and ranged between 0 to 49 with the preliminary treatment method of reconstruction with six inches of HMA over eight inches of AB. In our experience, pavement within this PCI range is generally considered to be in poor to failed condition, with appropriate treatments typically ranging from rehabilitation to full reconstruction.

Our observations of this section indicate that the pavement is generally in line with the PCI value assigned to the southbound direction and in better condition than the PCI suggests for the northbound direction within this range. We classified the pavement as being in fair condition. Cracking observed is mostly limited to this portion and consists of low severity block failure cracking (see Photo 5 below) beginning to form from low severity longitudinal cracking through the center of the lanes (likely along a construction joint).



Photo 5: Section 3 Moderate Severity Longitudinal Cracking

4.2 PAVEMENT CORES

We present the results of our pavement coring and R-value test results in Table 2 below.

Table 2: Pavement Core Results

Section	Core No.	Travel Direction	Lane	AC Thickness (ft)	AB Thickness (ft)	Subgrade Sample Depth (ft)	Existing TI Range	R-value Result
1	C-1	South	1	0.50	--	5.0	7 – 8	63
	C-2	North	1	0.42	0.42	4.0	9 – 10	
	C-3	South	1	0.42	0.67	4.0	11 – 12	
	C-4	North	Right Turn	0.33	--	4.0	4 – 5	
	C-5	South	1	0.54	--	5.0	7 – 8	
	C-6	North	2	0.45	0.71	5.0	11 – 12	
	C-7	South	1	0.50	--	4.0	7 – 8	
	C-8	South	1	0.42	--	4.3	5 – 6	
2	C-9	North	2	0.38	0.70	5.0	7 – 8	41
	C-10	South	1	0.42	0.67	4.0	7 – 8	
	C-11	South	1	0.42	0.58	3.3	6 – 7	
	C-12	North	2	0.50	0.58	5.0	7 – 8	
	C-13	North	2	0.50	0.58	5.0	7 – 8	
	C-14	South	2	0.50	0.83	4.2	8 – 9	

Section	Core No.	Travel Direction	Lane	AC Thickness (ft)	AB Thickness (ft)	Subgrade Sample Depth (ft)	Existing TI Range	R-value Result
	C-15	North	2	0.54	0.54	5.0	7 – 8	
	C-16	South	2	0.42	0.58	3.3	6 – 7	
	C-17	North	2	0.50	0.42	5.0	6 – 7	
	C-18	South	2	0.54	0.63	3.2	8 – 9	
	C-19	North	2	0.58	0.21	5.0	6 – 7	
	C-20	South	2	0.63	--	4.0	5 – 6	
	C-21	North	2	0.58	--	4.0	5 – 6	
	C-22	South	2	0.54	--	4.0	5 – 6	
	C-23	North	2	0.58	--	4.0	5 – 6	
	C-24	North	1	0.50	--	4.0	4 – 5	
	C-25	South	2	0.58	--	3.5	5 – 6	
	C-26	South	2	0.54	0.21	3.5	6 – 7	
	C-27	North	2	0.63	--	5.0	5 – 6	
3	C-28	North	1	0.50	0.58	5.0	12 – 13	66
	C-29	South	1	0.42	0.67	5.0	12 – 13	

-- Not encountered.

To back calculate the TI, we used the Caltrans Highway Design Manual methodology to establish in place/aged gravel factors for the asphalt and aggregate base and the existing R-value obtained from our laboratory testing. The existing asphalt thickness ranged between 4 inches to 7.5 inches. Fabric was observed in cores C-8, C-11, C-12, C-13, C-14, C-15, C-16, C-17, C-18. Aggregate base thickness ranged between 0 and 10 inches.

4.3 SUBGRADE CONDITIONS

We visually classified the encountered subgrade as Poorly-graded Sand with Silt (SP-SM) to Silty Sand (SM). R-Value laboratory tests performed on three subgrade samples (C-3, C-14, and C-29) yielded results range from 41 to 66. We present the core logs with further subgrade descriptions in Appendix A, and laboratory results in Appendix B

5 CONCLUSIONS AND RECOMMENDATIONS

The City's current PCI database is generally representative of the conditions we observed during our pavement condition assessment and fieldwork. Section 1 of Geer Road is in relatively fair condition; Section 2 is in the worst condition and warrants robust rehabilitation or reconstruction; and Section 3 is in fair condition, except between northbound Lincoln Avenue and Canal Drive. According to the 2022 Michael Baker Study, preliminary treatments for the pavement ranged between surface treatments, like slurry seals, to complete reconstruction with traditional pavement sections (HMA and AB). To provide one uniform pavement structure along the roadway within the project alignment, the City should consider a Full Depth Recycling (FDR) strategy. FDR recycles the in-place pavement with a cement additive to strengthen and stabilize the underlying subbase and offer an economic option to increase the overall traffic index.

Should the City elect to have multiple treatments for each section, we provide our recommended pavement strategies and appropriate options for each section of Geer Road below. Based on our discussions with the City, it is understood that they are looking for an effective rehabilitation strategy to reach a TI of 10 on the main roadway and TI of 11 for the intersections of Geer Road. Except for Section 3, the pavement section will require an increase in the structural section to meet the desired traffic index. Below we provide our recommended rehabilitation strategies that consider the current pavement condition, the structural thickness, and the City's desire for the design life (traffic indexes). We also provide alternative recommendations should the City desire a lower cost rehabilitation strategy with a reduced design life.

5.1 SECTION 1

Section 1 is generally in fair condition with low severity longitudinal and transverse cracks observed; however, the existing section is significantly deficient when compared to the City's desired traffic index. These cracks are propagating up through the 2015 overlay and were likely present prior to the overlay. The 2015 overlay appears to be designed to meet the reflective cracking requirement in the Caltrans Highway Design Manual and based on the age of the overlay, it has performed well. The cracks are not structural concerns at this time and will only reduce the pavement life if they are left unsealed and continue to allow water to make its way to the AB and subgrade.

The existing pavement section thicknesses in Section 1 result in an average current traffic index of 7.5 to 8.5, therefore, to achieve a traffic index of 10 an increase in the existing section would be required. An increase in the section thickness can be accomplished in three ways:

1) Increase the existing grade by 0.10 ft, this would be completed by milling 0.30 ft of the existing section and placing 0.40 ft of new HMA. While this strategy meets the structural adequacy requirement for a traffic index of 10, improving the intersections to a traffic index of 11 is likely not feasible without significant grade increases.
2) Remove the existing pavement section and replace it with a structurally adequate section using either full depth HMA (recommendations in Section 5.7 of this report) or a traditional pavement section with HMA and AB (recommendations in Section 5.8 of this report).
3) Perform full depth reclamation (FDR), which increases the section from the top down (recommendations in Section 5.5 of this report) and is typically more economical than a remove and replace (option 2 above).

In lieu of the above, the City could consider an additional maintenance program (similar to that of the 2015 overlay) and perform an additional mill and overlay or slurry seal within this section of Geer Road which would improve the PCI. Similar to the 2015 overlay, after 6 to 8 years the longitudinal and transverse cracks would start to propagate up through the overlay and if left unsealed would reduce the PCI to its current condition. However, a mill and overlay would continue to extend the life of the existing pavement and is less expensive than the three options above. We provide a reduced traffic index mill and overlay meeting the Caltrans requirements for reflective crack mitigation in Section 5.9 for consideration by the City and the design team. A slurry seal typically increases the PCI by 10 to 15 immediately, however cracks do propagate up relatively quickly. Studies have shown that for higher PCI roads (such as Section 1 along Geer), slurry seals are successful at sealing cracks and extending the life of pavement for relatively little cost.

5.2 SECTION 2

Section 2 is in very poor condition and significant pavement failure was observed during our assessment. To reach the desired TI and PCI ratings, a robust rehabilitation strategy will be required. This strategy would include the use of Full Depth Reclamation (FDR) or a remove and replace with a traditional pavement section designed to meet the TIs. FDR should be the recommended method for this section since it is more economical and is less of a disruption to the residents and businesses. See Section 5.5 below for the recommended FDR section. Traditional pavement section recommendations are provided in Section 5.8 for consideration.

5.3 SECTION 3

Section 3 is in fair condition, except for the northbound segment from Lincoln Avenue to Canal Drive. Despite most of the road being in good condition, it is recommended that the entire section receive the same treatment to ensure design consistency. Based on our fieldwork and analysis, the existing pavement structure appears to be designed for a traffic index ranging between 12 and 13. We observed low-severity transverse cracks; however, the longitudinal cracks present along this small segment are too wide to seal with emulsion for preservation. Therefore, we recommend a nominal mill and overlay strategy to rehabilitate the pavement along this section. The mill and overlay will increase the PCI to 100 and should provide a 10-year design life. As with Section 1 of Geer Road, the existing cracks will eventually propagate through the overlay, however, the thickness of the existing section will better support the design traffic and resist crack propagation more effectively than Section 1 of Geer Road. We provide overlay recommendations for this portion of Geer Road in Section 5.4.

5.4 MILL AND OVERLAY

The recommendations below satisfy a design traffic index greater than 10 within Section 3 and a traffic index of 10 in Section 1 for a 10 year design life.

Table 3: Mill and Overlay

Section of Geer Road	Traffic Index	Average HMA Section (ft)	Mill Depth (ft)	Overlay Requirement (ft)	Grade Increase
1	10	0.46	0.30	0.40	0.10
3	>10	0.46	0.20	0.20	0.00

5.5 FULL DEPTH RECLAMATION (FDR)

FDR is the process of recycling the existing pavement section (HMA, AB, and subgrade) with an additive (cement) and water. The FDR mix is then graded to meet the required grade constraints and compacted. Because FDR does not have the skid resistance or strength of HMA, a structural HMA wearing coarse is required.

In-Place Recycle rehabilitation should consist of thoroughly dismantling and mixing the existing HMA, aggregate base, and subgrade material with Portland cement and water to the required depth. Following mixing process, compact the recycled section to 95% relative compaction (CTM 216) at least 2% above optimum moisture content.

All exposed surfaces should be kept moist or bituminous cure sealed if exposure is expected to be greater than 3 days. We recommend microcracking the finished recycled section prior to HMA placement; this will help prevent shrinkage cracks from propagating through the HMA section. Finally, the In-Place Recycle section should be proof rolled for stability prior to placing HMA.

FDR is a pavement rehabilitation method that is constantly developing. The latest Caltrans Highway Design Manual (7th Edition, latest update September 29, 2023) proposes a new approach to the FDR methodology using computer software, CalME. CalME is still under development and is yet to be released for public use. The FDR methodology allows us to use a gravel factor of 1.7 if minimum unconfined compressive strengths between 300 to 450 psi are achieved. The FDR methodology we used is based on the 6th Edition of the Highway Design Manual and uses the compressive strength results from laboratory testing to determine the gravel factor and thickness of the FDR section. This methodology was used because the ambiguous language used in the 7th Edition of the Highway Design Manual and lack of direction for practicing professionals.

Table 4: Full Depth Recycled Sections

Section of Geer Road	Traffic Index[1]	HMA[2] (ft)	Full Depth Recycled Section[3,4] (ft)	Total Pavement Thickness (ft)
Section 2	10	0.40	1.00	1.40
	11	0.45	1.10	1.55

[1]Traffic Index is based on the required HMA section, however actual Traffic Index is slightly higher due to using a minimum FDR section.
[2]New HMA wearing coarse.
[3]The depth and location of existing utilities would need to be determined to confirm ability to recycle in-place.
[4]Full Depth Recycling method (G_f = 1.2) based on a minimum developed unconfined compressive strength of 300 psi (CTM 373).

Full Depth Reclamation (FDR) is more cost effective and relatively fast as compared to remove and replace methods (traditional pavement sections or full depth HMA). If FDR is selected, we can complete mix design(s) at a range of appropriate cement contents for bidding purposes.

5.6 MIX DESIGN

Mix designs are the process of mixing the existing pavement sections and subgrade with cement or lime and water to determine various compressive strengths, which are used in the above design. The mix is then compacted, typically to 95% relative compaction (per ASTM D1557) and at least 2% above optimum moisture content. We completed laboratory two mix design testing on samples collected in the field to determine the optimum percent additive (cement) versus average unconfined compressive strength (UCS).

Two mix designs were completed to model two separate scenarios:

- Mix Design 1 – Cold planning the existing asphalt section 0.4 ft, and performing the FDR treatment;
- Mix Design 2 – Pulverizing and mixing all existing pavement sections with the FDR process.

We prepared the following mix design samples:
- Mix Design 1 with 3%, 5% and 7% cement in Table 4.
- Mix Design 2 with 3%, 5%, and 7% cement in Table 5.

Table 5: Cement Mix Design 1 Results

Percent Cement	Average Unconfined Compressive Strength (psi)	Maximum Dry Unit Weight (Optimum Moisture)
3	360	129.2 pcf (6.3%)
5	490	
7	540	

Table 6: Cement Mix Design 2 Results

Percent Cement	Average Unconfined Compressive Strength (psi)	Maximum Dry Unit Weight (Optimum Moisture)
3	230	133 pcf (6.3%)
5	410	
7	420	

Our experience on previous projects has shown that contractors can place and mix up to 7% cement before having difficulty achieving a proper mix. A 5% cement mix should be used for bidding purposes. The 3% cement UCS results for Mix Design 2 does not meet the 7-day, 300-psi minimum requirement; however, the 5% and 7% cement contents for Mix Design 2, as well as all results for Mix Design 1, satisfy the requirement. Based on our experience, cement continues to gain strength and will likely meet and exceed the minimum 300 psi requirement, providing a slightly higher design traffic index.

5.7 FULL DEPTH HMA

We provide full depth HMA structural sections as an alternative to meet the design TI for the project using a design R-value of 41. These sections are typically used in conjunction with mill and overlay for the dig out repair locations.

Table 7: Full Depth HMA Sections

Traffic Index	Hot Mix Asphalt (ft)
10	0.95
11	1.10

5.8 TRADITIONAL PAVEMENT SECTION

We provide traditional pavement structural sections as an alternative to meet the design TI for the project using a design R-value of 41.

Table 8: New Pavement Sections

Traffic Index	Material Type/Depth Required		
	Hot Mix Asphalt (ft)	Aggregate Base (ft)	Total Pavement Thickness (ft)
10	0.50	0.90	1.40
11	0.55	1.05	1.60

5.9 REDUCED TI MILL AND OVERLAY

We provide a reduced mill and overlay strategy for consideration within Section 1. The recommendations below do not increase the existing traffic index but will result in a PCI of 100 and extend the pavement life.

Table 9: Mill and Overlay

Section of Geer Road	Design Life (yrs)	Average HMA Section (ft)	Mill Depth (ft)	Overlay (ft)
1	10	0.45	0.15	0.15

6 CONSTRUCTION CONSIDERATIONS

During our field work, underground utilities were marked and avoided. The presence of underground utilities could significantly impact the rehabilitation alternatives for this project. Should any form of bottom-up construction methods be selected (such as FDR), special attention to existing utilities should be given. The contractor should be responsible for locating any utility within the project limits. Based on our experience and discussion with contractors, a minimum separation/cover of 1 ft (depending on the type of utility) between the utility and the proposed scarification/recycled section should be used to reduce impacts to utilities.

We encountered pavement fabric in cores C-8, C-11, C-12, C-13, C-14, C-15, C-16, C-17, C-18. The presence of fabric could cause delays during the milling process and should be considered by the contractor.

7 RISK MANAGEMENT

Our experience, and that of our profession, clearly indicates that the risks of costly design, construction, and maintenance problems can be significantly lowered by retaining the Geotechnical Engineer of Record to provide additional services during design and construction. For this project, Crawford should be retained as the Geotechnical Engineer of Record to:

- Review and provide comments on the civil plans and specifications prior to construction;
- Monitor construction to check and document our report assumptions. At a minimum, Crawford should monitor grading, scarification and compaction of the roadway subgrade;
- Update this report if design changes occur, 2 years or more lapse between this report and construction, and/or site conditions have changed.

If we are not retained to perform the above applicable services, we are not responsible for any other party's interpretation of our report, and subsequent addendums, letters, and discussions.

8 LIMITATIONS

Crawford performed services in accordance with generally accepted geotechnical engineering principles and practices currently used in this area. Where referenced, we used ASTM or Caltrans standards as a general (not strict) guideline only. We do not warranty our services.

Crawford based this report on the current site conditions. We assumed the soil, AB, and HMA conditions encountered during our fieldwork are representative of the subsurface and pavement conditions at the site. Actual conditions between core and boring locations can be different.

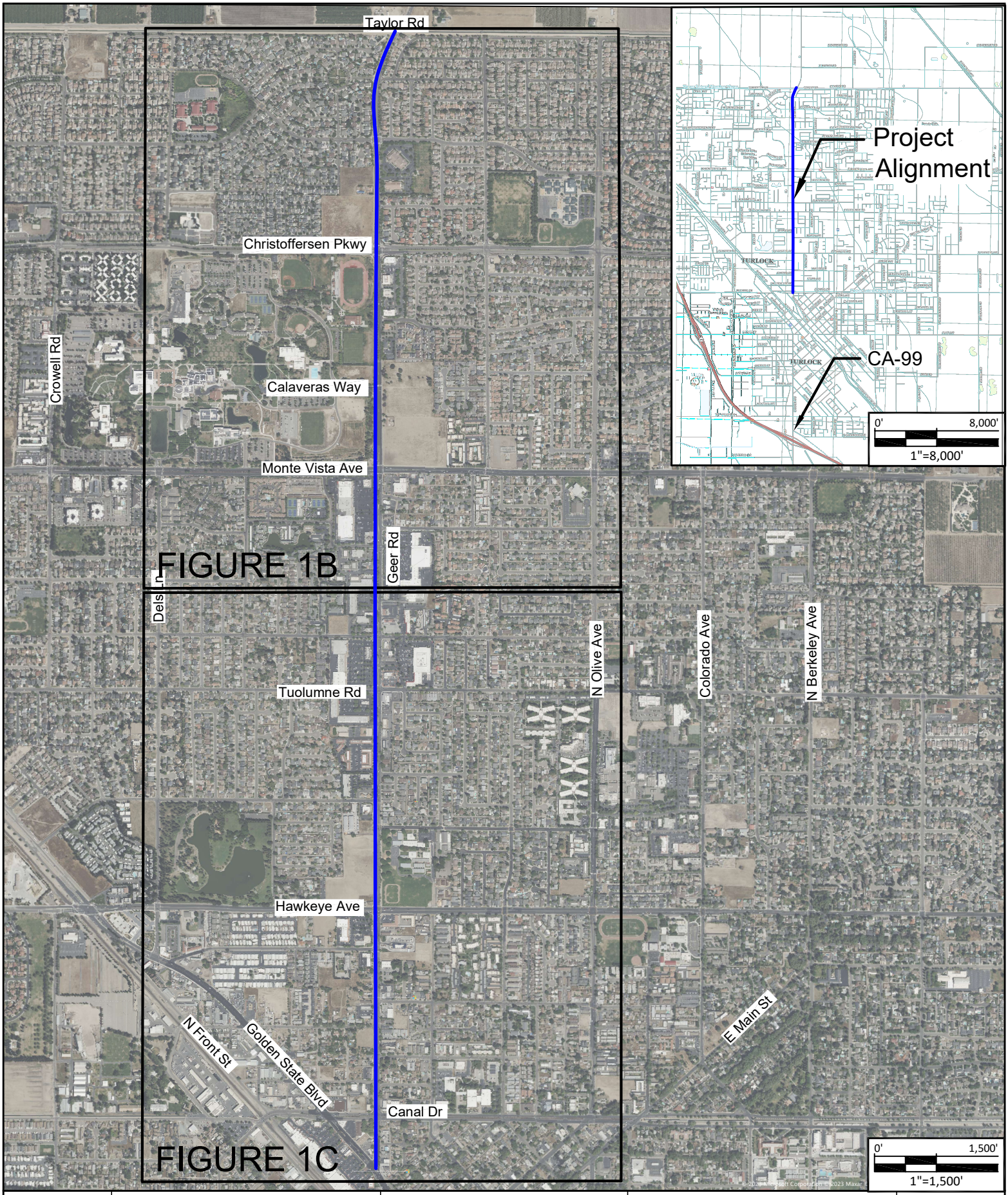
Our scope did not include evaluation of on-site hazardous materials, site geology, site seismicity and flooding potential.

The pavement core locations shown on Figures 1A to 1D are based on visual comparisons made in the field between site features and features shown on aerial mapping, therefore they are approximate.

Modern design and construction are complex, with many regulatory restrictions, involved parties, and construction alternatives. It is common to experience changes and delays. The owner should set aside a reasonable contingency fund based on complexities and cost estimates to cover changes and delay.

FIGURES

Figures 1A-1C – Vicinity and Exploration Maps



NORTH

Source:
2021, Denair Quadrangle, 7.5 Minute Series, USGS Topographic Maps, 1:24,000
2021, Turlock Quadrangle, 7.5 Minute Series, USGS Topographic Maps, 1:24,000
Basemap: AutoCAD Civil3D Geolocation Tool, using Bing Maps

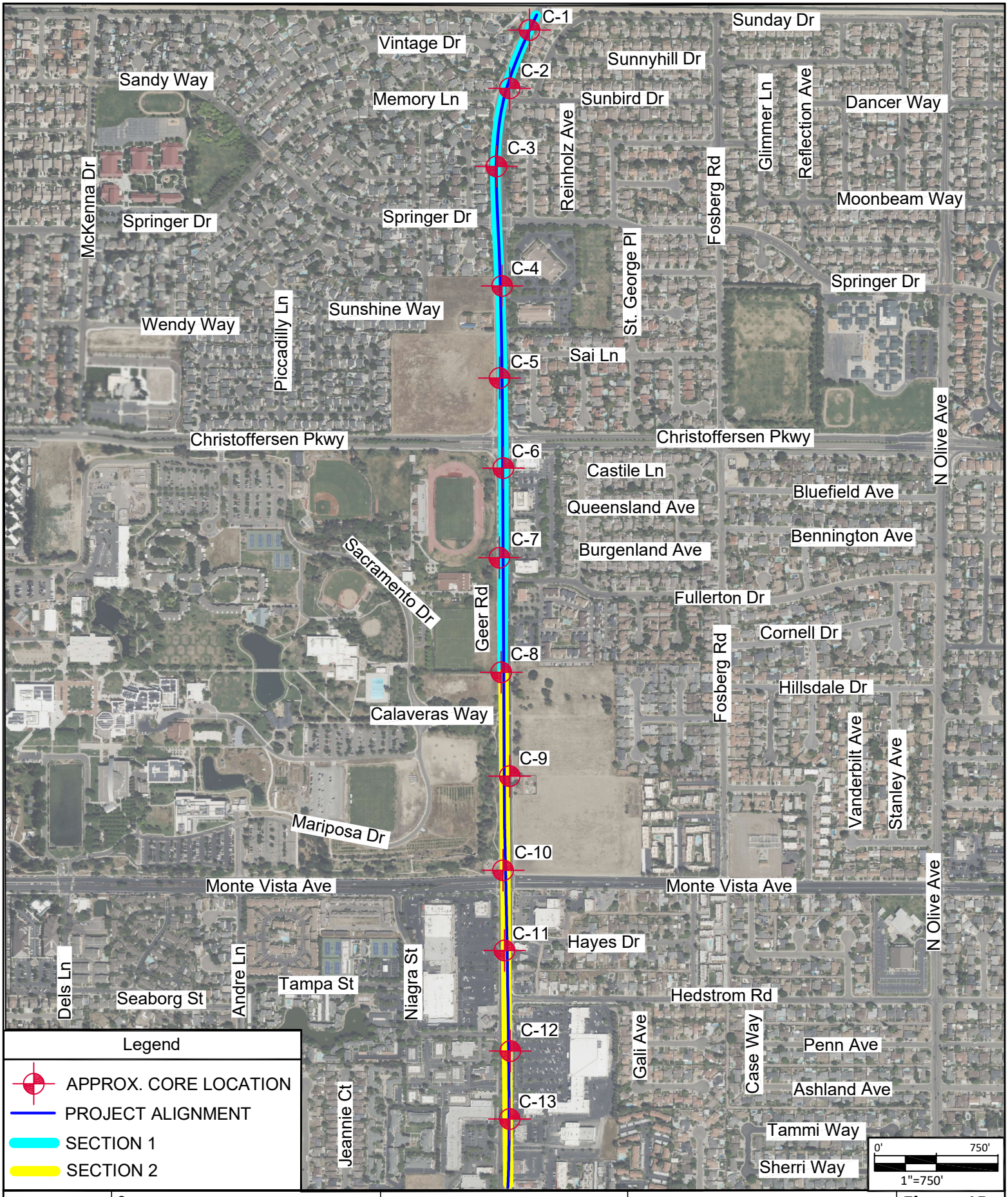
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GEER ROAD PAVEMENT REHABILITATION

TURLOCK, CA

Figure 1A
Exploration Map

Prj. No: 23-931.2
Date: 11/27/2023



Legend

- APPROX. CORE LOCATION
- PROJECT ALIGNMENT
- SECTION 1
- SECTION 2

NORTH

Source:
Basemap: AutoCAD Civil3D Geolocation Tool, using Bing Maps

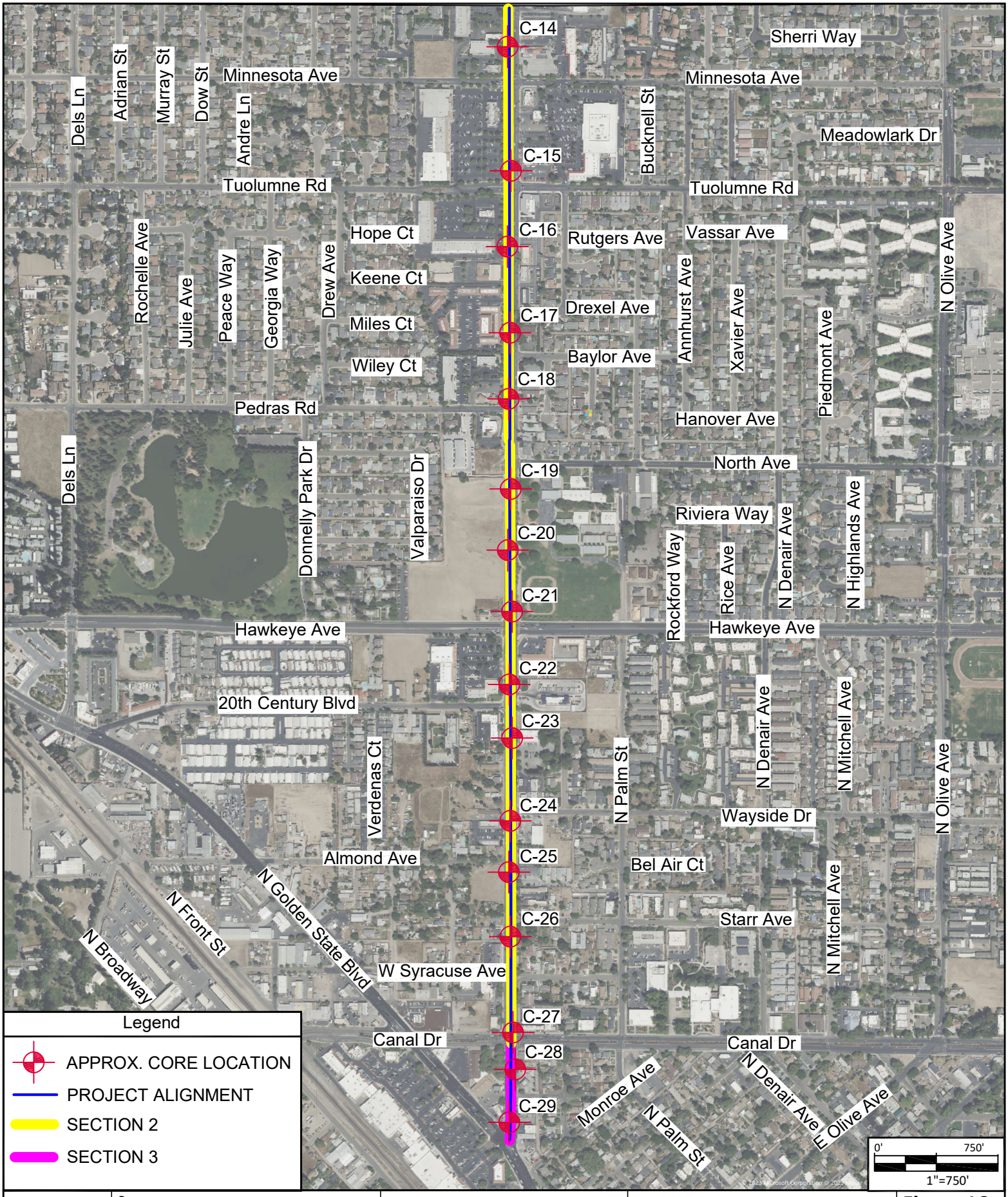
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GEER ROAD PAVEMENT REHABILITATION

TURLOCK, CA

Figure 1B
Exploration Map

Prj. No: 23-931.2
Date: 11/27/2023



NORTH

Source:
Basemap: AutoCAD Civil3D Geolocation Tool, using Bing Maps

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GEER ROAD PAVEMENT REHABILITATION

TURLOCK, CA

Figure 1C
Exploration Map

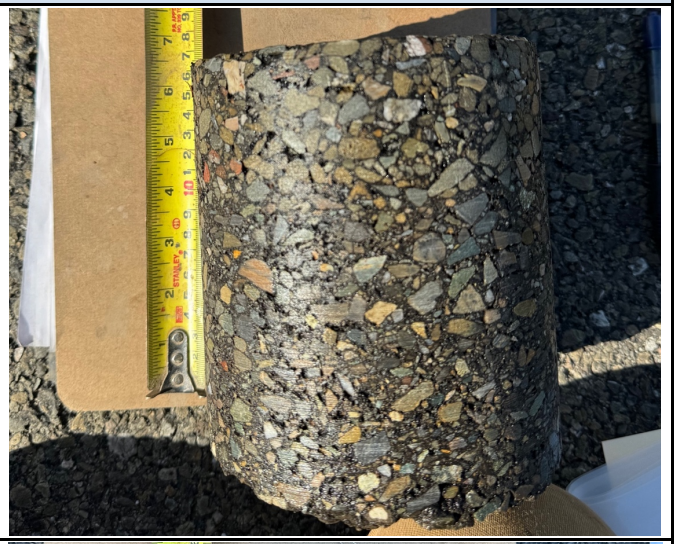
Prj. No: 23-931.2
Date: 11/21/2023

APPENDIX A

Core Logs

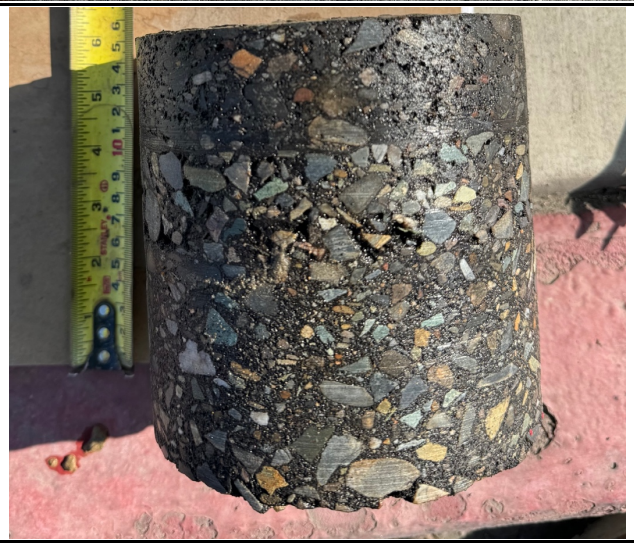
Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-1	6	0	Poorly-graded Sand (SP)		
C-2	5	5	Silty Sand (SM)		

Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-3	5	8	Silty Sand (SM)		
C-4	4	0	Poorly-graded Sand with Silt (SP-SM)		

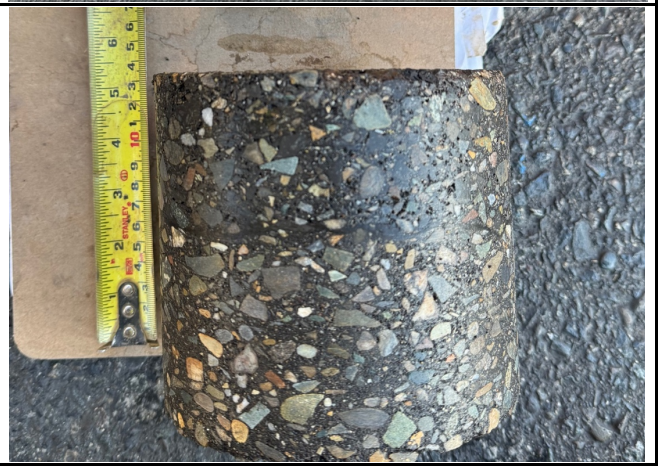
Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-5	6.5	0	Poorly-graded Sand with Silt (SP-SM)		
C-6	5.5	5.5	Silty Sand (SM)		

Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-7	6	0	Poorly-graded Sand (SP)		
C-8	5	0	Silty Sand (SM)	Fabric observed	

Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-9	4.5	4.5	Silty Sand (SM)		
C-10	5	8	Silty Sand (SM)		

Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-11	5	7	Silty Sand (SM)	Fabric observed	
C-12	6	7	Silty Sand (SM)	Fabric observed	

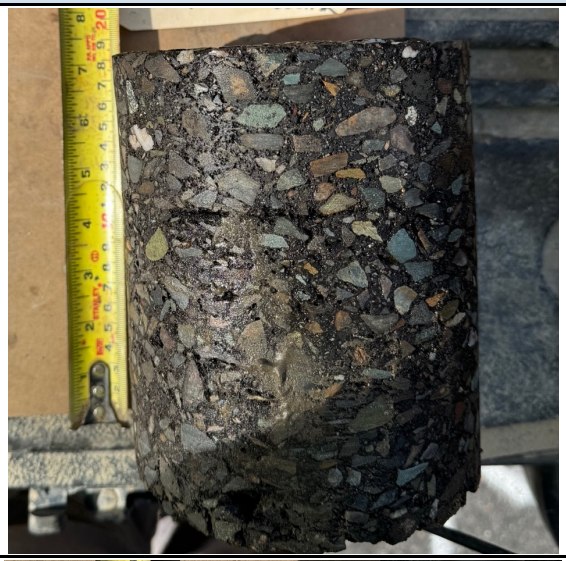
Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-13	6	7	Silty Sand (SM)	Fabric observed	
C-14	6	10	Silty Sand (SM)	Fabric observed	

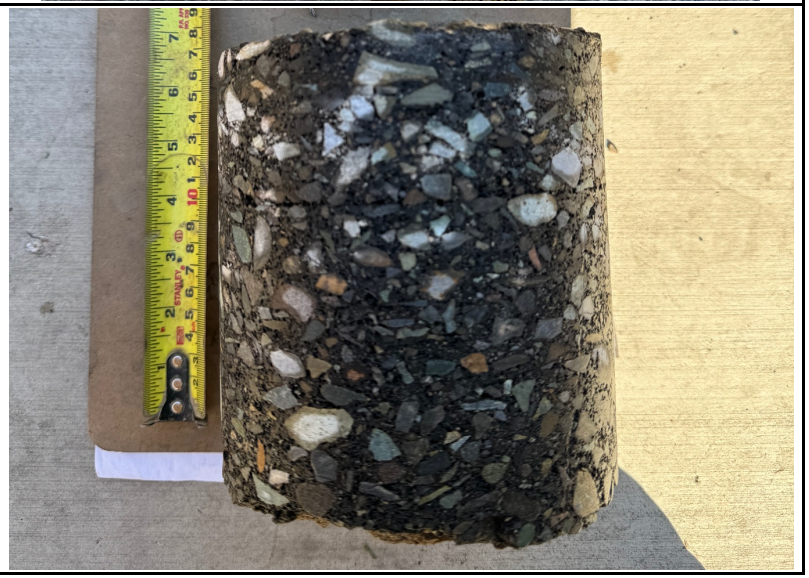
Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-15	6.5	6.5	Silty Sand (SM)	Fabric observed	
C-16	5	7	Silty Sand (SM)	Fabric observed	

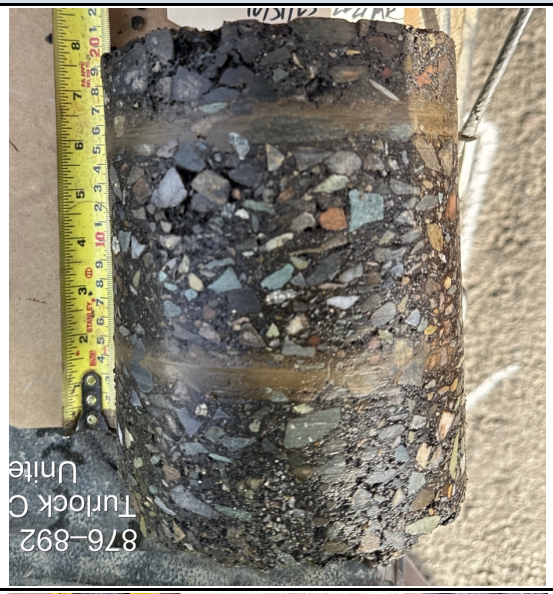
Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-17	6	5	Poorly-graded Sand (SP)	Fabric observed	
C-18	6.5	7.5	Silty Sand (SM)	Fabric observed	

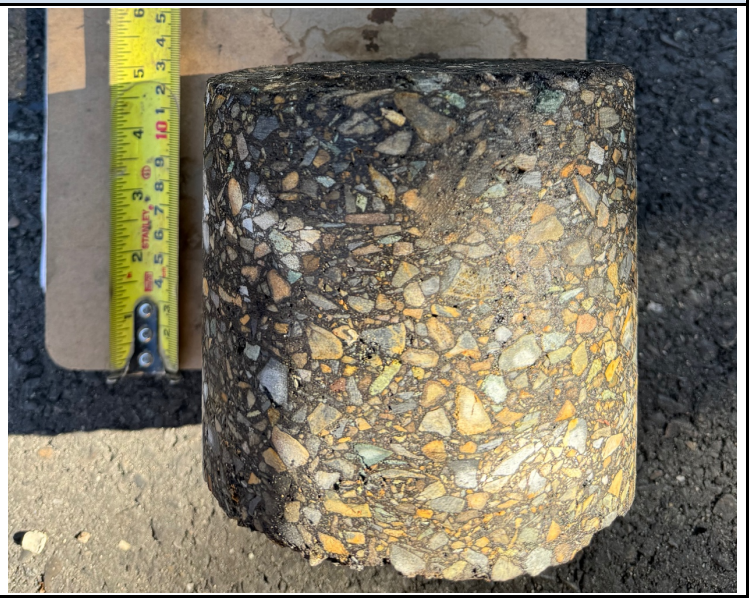
Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-19	7	2.5	Poorly-graded Sand with Silt (SP-SM)		
C-20	7.5	0	Poorly-graded Sand (SP)		

Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-21	7	0	Silty Sand (SM)		
C-22	6.5	0	Silty Sand (SM)		

Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-23	7	0	Poorly-graded Sand with Silt (SP-SM)		
C-24	6	0	Silty Sand (SM)		

Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-25	7	0	Silty Sand (SM)		
C-26	6.5	2.5	Poorly-graded Sand with Silt (SP-SM)		

Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-27	7.5	0	Poorly-graded Sand (SP)		
C-28	6	7	Poorly-graded Sand with Silt (SP-SM)		

Core No.	AC (in)	AB (in)	Subgrade	Additional Notes	Photo
C-29	5	8	Silty Sand (SM)		

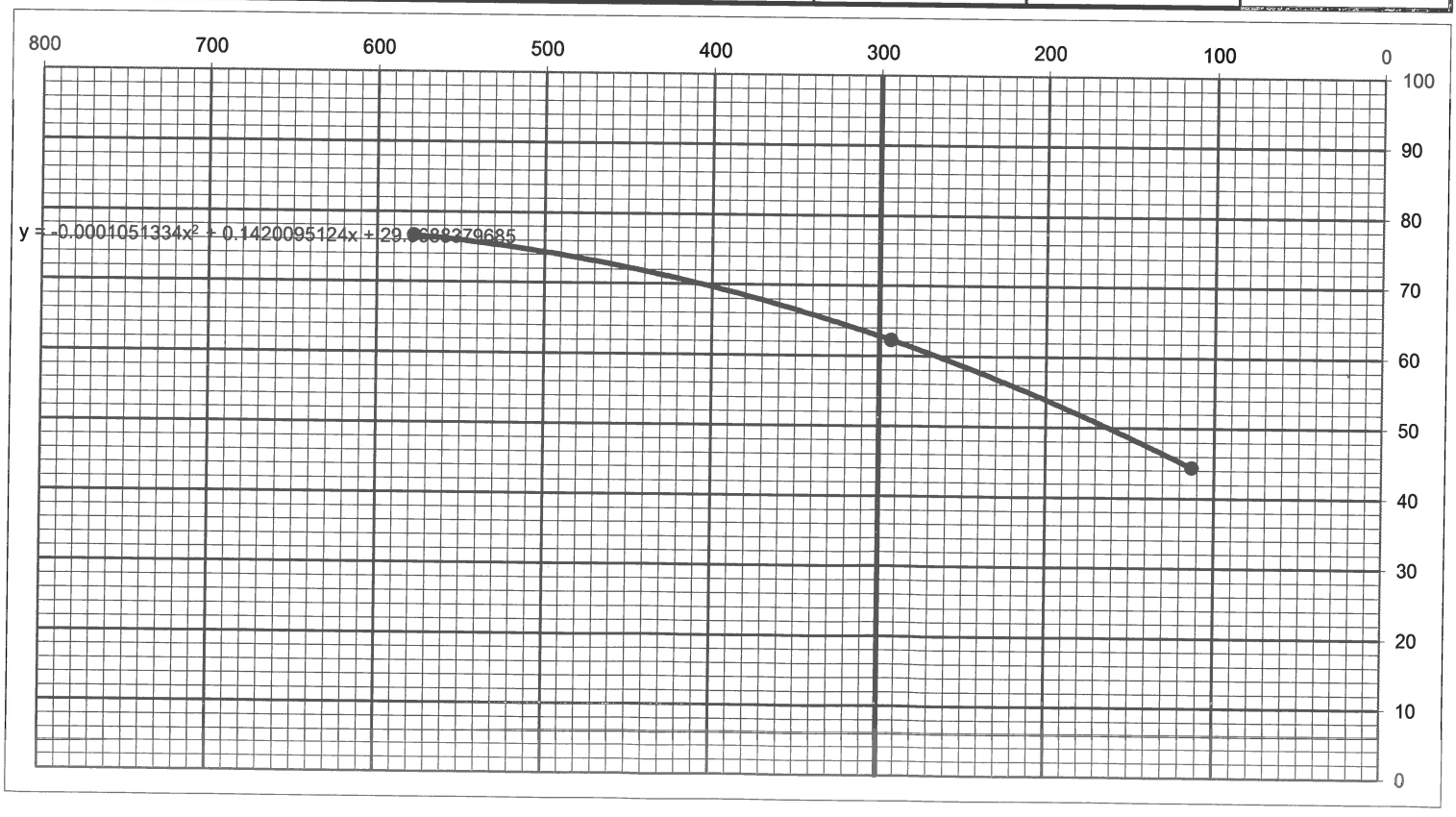
APPENDIX B

Laboratory Test Results

RESISTANCE VALUE

California Test Method No. 301

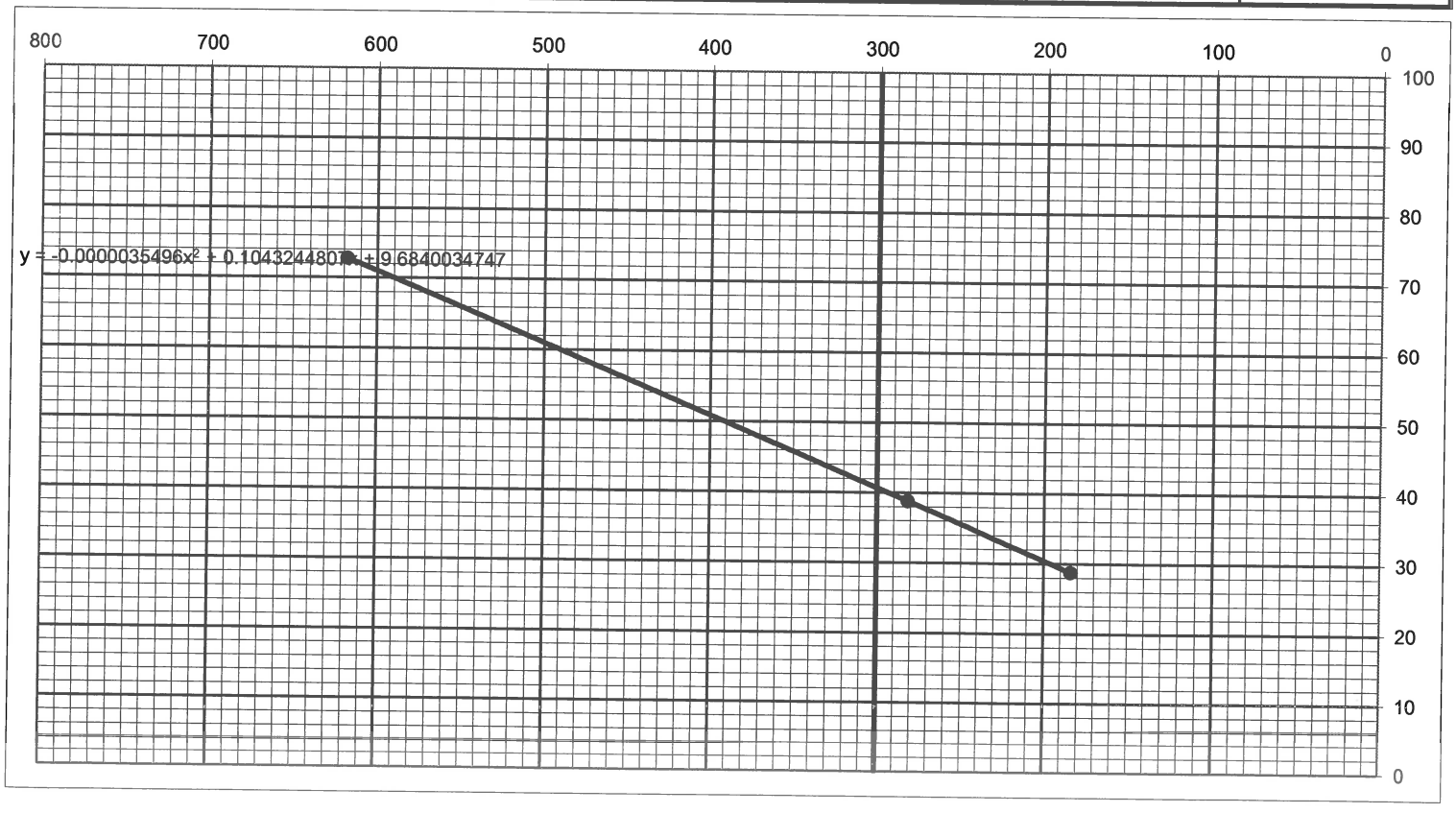
Job Number:	**4151-001.00**	**Date Tested:** 11/14/2023		**R-value:**	**63**
Project:	Crawford (23-931.2 Geer Road Pavement Rehabilitation)			**Sample :**	**C-3**
Classification of Material:	SM, Silty Sand with Gravel, Brown			**Technician:** DS	
Initial Sample Weight	1130	1130	1110		
Mold Number	B	C	A		
Air Pressure-PSI	350	350	350		
Initial Moisture %	4.0	4.0	4.0		
Water Added ml/g	35	40	50		
Water Added %	3.2	3.7	4.7		
Final Moist %	7.2	7.7	8.7		
Soil + Mold Weight-Grams	3244.7	3238.8	3234.7		
Mold Weight-Grams	2086	2084	2088		
Soil Weight-Grams	1158.7	1154.8	1146.7		
Height of Sample-Inches	2.52	2.53	2.50		
Density-PCF	129.9	128.4	127.9		
Dial Reading (x.0001 inches)	0	0	0		
Expansion Pressure (psf)	0	0	0		
Stabilometer at 1000 lbs.	16	23	32		
2000 lbs.	26	41	58		
Displacement	3.93	4.4	5.51		
Exudation Pressure-Lbs	7260	3680	1420		
Exudation-PSI	578	293	113		
R-Value Calculated	77	62	44		
Corrected R-Value	77	62	44		



RESISTANCE VALUE

California Test Method No. 301

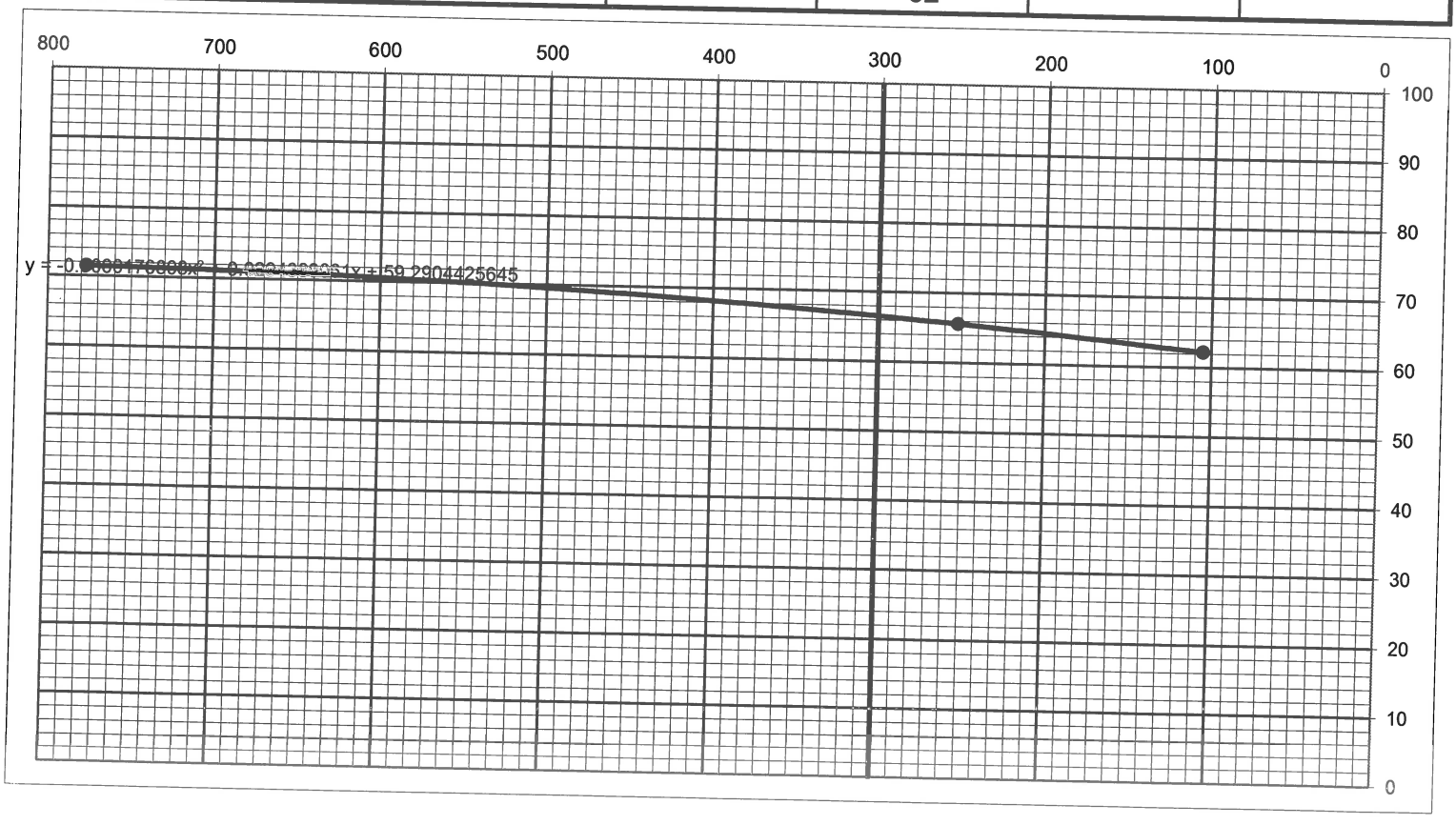
Job Number:	**4151-001.00**	**Date Tested:** 11/15/2023		**R-value:**	**41**
Project:	Crawford (23-931.2 Geer Road Pavement Rehabilitation)			**Sample :**	**C-14**
Classification of Material:	SM, Silty Sand with Minor Gravel, Light Brown			**Technician:** DS	
Initial Sample Weight	1110	1100	1090		
Mold Number	F	D	E		
Air Pressure-PSI	350	250	200		
Initial Moisture %	4.4	4.4	4.4		
Water Added ml/g	40	48	55		
Water Added %	3.8	4.6	5.3		
Final Moist %	8.2	9.0	9.7		
Soil + Mold Weight-Grams	3205.4	3209.9	3156.7		
Mold Weight-Grams	2067	2073	2029		
Soil Weight-Grams	1138.4	1136.9	1127.7		
Height of Sample-Inches	2.48	2.50	2.49		
Density-PCF	128.6	126.4	125.1		
Dial Reading (x.0001 inches)	0	0	0		
Expansion Pressure (psf)	0	0	0		
Stabilometer at 1000 lbs.	18	37	43		
2000 lbs.	31	63	74		
Displacement	3.89	6.07	7.2		
Exudation Pressure-Lbs	7760	3540	2310		
Exudation-PSI	618	282	184		
R-Value Calculated	73	39	29		
Corrected R-Value	73	39	29		



RESISTANCE VALUE

California Test Method No. 301

Job Number:	**4151-001.00**	**Date Tested:**	11/14/2023	**R-value:**	**66**
Project:	Crawford (23-931.2 Geer Road Pavement Rehabilitation)			**Sample :**	**C-29**
Classification of Material:	SM, Silty Sand with Gravel, Light Brown			**Technician:**	DS
Initial Sample Weight	1040	1025	1015		
Mold Number	D	E	F		
Air Pressure-PSI	350	300	250		
Initial Moisture %	3.3	3.3	3.3		
Water Added ml/g	65	72	80		
Water Added %	6.5	7.3	8.1		
Final Moist %	9.7	10.5	11.4		
Soil + Mold Weight-Grams	3158.2	3099.6	3128.6		
Mold Weight-Grams	2073	2029	2067		
Soil Weight-Grams	1085.2	1070.6	1061.6		
Height of Sample-Inches	2.56	2.51	2.50		
Density-PCF	117.1	116.9	115.5		
Dial Reading (x.0001 inches)	0	0	0		
Expansion Pressure (psf)	0	0	0		
Stabilometer at 1000 lbs.	19	22	23		
2000 lbs.	33	38	40		
Displacement	4.06	4.21	4.56		
Exudation Pressure-Lbs	9760	3170	1320		
Exudation-PSI	777	252	105		
R-Value Calculated	70	66	62		
Corrected R-Value	71	66	62		



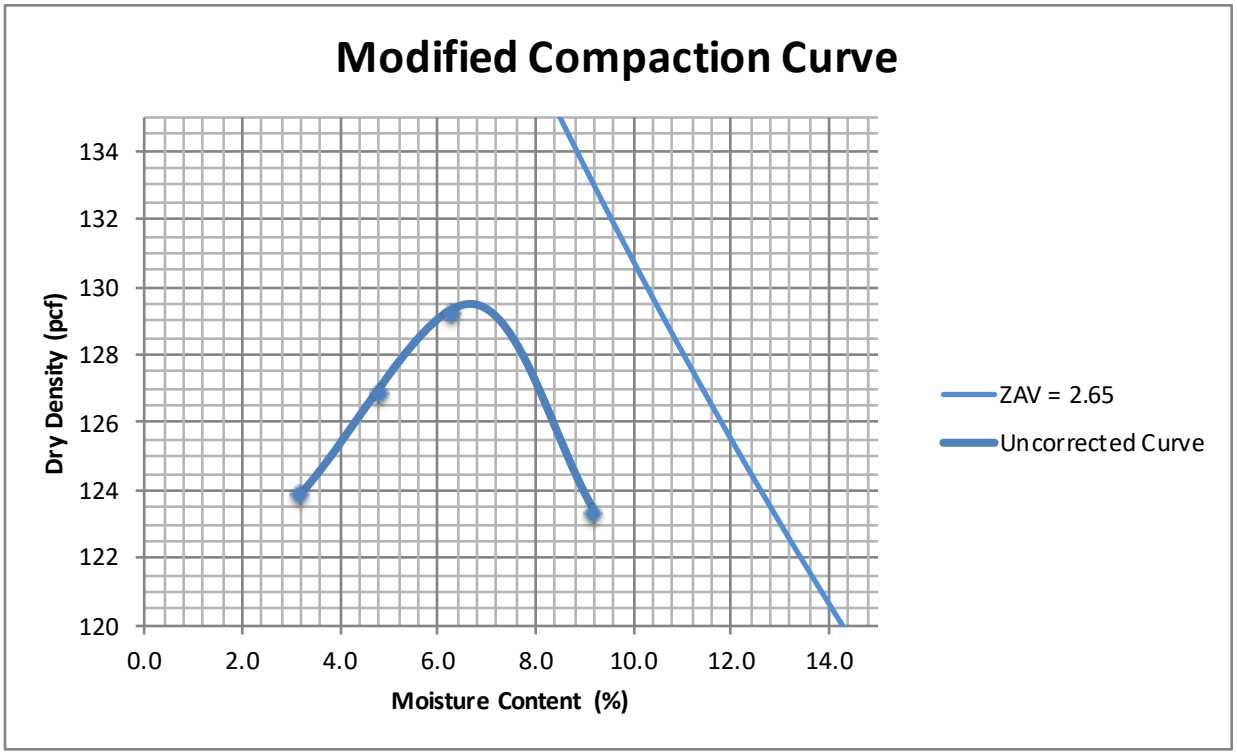
Crawford & Associates, Inc.
Geotechnical Engineering, Design and Construction Services

Project Name:	Geer Road Pavement Rehabilitation		
Crawford File No:	23-931.2	Sampled By:	M. Rivera
Technician:	C. Brathwaite	Date Sampled:	10/31-11/2/2023
Sample ID:	Mix Design No. 1	Date Tested:	10/08/25
Sample Source:	N/A	Elevation:	N/A
Intended Use:	For Mix 1		
Material Type:	Mixed		
Material Description:	Mix 1 - 5% Cement - 36% HMA,22% AB, 43% Sub		

Compaction Curve - ASTMD 1557

Method B

Moisture (%)	3.2	4.8	6.3	9.2	
Dry Density (pcf)	123.9	126.8	129.2	123.4	



Optimum Moisture (%)	6.3
Maximum Dry Denstiy (pcf)	129.2

Reviewed By: _____

Jarod A. Slinkard
Laboratory Operations Manager

Crawford & Associates, Inc.
Geotechnical Engineering, Design and Construction Services

Project Name: Geer Road Pavement Rehabilitation
Crawford File No: 23-931.2
Date: 10/16/25
Technician: C. Brathwaite
Sample Description: Mix 1 - 3% Cement - 36% HMA,22% AB, 43% Sub

UNCONFINED COMPRESSIVE STRENGTH OF SOIL-CEMENT SPECIMENS
- ATSM D1633, Method A

ASTM 1557-Method B Results: 6.3 Optimum Moisture (%)
129.2 Maximum Dry Density (pcf)

Moisture Density Data

	1	2	3	4
Sample ID No.	1-3%-1	1-3%-2	1-3%-3	
% Compaction	96	94	95	
Sample Length (in.)	4.627	4.733	4.650	
Diameter (in.)	3.993	3.995	4.005	
Square Area (in^2)	12.52	12.53	12.60	
Sample Volume (ft^3)	0.03353	0.03433	0.03390	
Weight of Unconfined (g)	1994.4	2004.9	1998.1	
Calc'd dry weight (g)	1878.3	1891.4	1886.0	
Tare No.	2012	9008	1017	
Tare (g)	121.9	114	126.7	
Wet Soil + Tare (g)	540.8	566.9	548	
Dry Soil + Tare (g)	516.42	541.25	524.36	
Dry Soil (g)	394.52	427.25	397.66	
Water (g)	24.38	25.65	23.64	
Moisture (%)	**6.2**	**6.0**	**5.9**	
Dry Density (pcf)	**123.5**	**121.4**	**122.6**	

Compressive Strength Data

Ultimate Load (lbs.)	4390	4280	4410	
Compressive Strength (psi)	360	350	360	
Average Strength (psI)	360			

Crawford & Associates, Inc.
Geotechnical Engineering, Design and Construction Services

Project Name: Geer Road Pavement Rehabilitation
Crawford File No: 23-931.2
Date: 10/16/25
Technician: C. Brathwaite
Sample Description: Mix 1 - 5% Cement - 36% HMA,22% AB, 43% Sub

UNCONFINED COMPRESSIVE STRENGTH OF SOIL-CEMENT SPECIMENS
- ATSM D1633, Method A

ASTM 1557-Method B Results: 6.3 Optimum Moisture (%)
129.2 Maximum Dry Density (pcf)

Moisture Density Data

	1	2	3	4
Sample ID No.	1-5%-1	1-5%-2	1-5%-3	
% Compaction	95	94	94	
Sample Length (in.)	4.624	4.727	4.708	
Diameter (in.)	4.000	4.000	3.990	
Square Area (in^2)	12.57	12.57	12.50	
Sample Volume (ft^3)	0.03363	0.03438	0.03407	
Weight of Unconfined (g)	2005.3	2023.3	2005.3	
Calc'd dry weight (g)	1871.8	1890.7	1879.2	
Tare No.	4008	4012	2011	
Tare (g)	113.9	114.4	122.8	
Wet Soil + Tare (g)	446.8	657.5	562.2	
Dry Soil + Tare (g)	424.63	621.9	534.56	
Dry Soil (g)	310.73	507.5	411.76	
Water (g)	22.17	35.6	27.64	
Moisture (%)	**7.1**	**7.0**	**6.7**	
Dry Density (pcf)	**122.7**	**121.3**	**121.6**	

Compressive Strength Data

Ultimate Load (lbs.)	5850	6650	5930	
Compressive Strength (psi)	470	530	480	
Average Strength (psI)	490			

Crawford & Associates, Inc.
Geotechnical Engineering, Design and Construction Services

Project Name: Geer Road Pavement Rehabilitation
Crawford File No: 23-931.2
Date: 10/16/25
Technician: C. Brathwaite
Sample Description: Mix 1 - 7% Cement - 36% HMA,22% AB, 43% Sub

UNCONFINED COMPRESSIVE STRENGTH OF SOIL-CEMENT SPECIMENS
- ATSM D1633, Method A

ASTM 1557-Method B Results: 6.3 Optimum Moisture (%)
129.2 Maximum Dry Density (pcf)

Moisture Density Data

	1	2	3	4
Sample ID No.	1-7%-1	1-7%-2	1-7%-3	
% Compaction	95	94	93	
Sample Length (in.)	4.663	4.743	4.713	
Diameter (in.)	4.000	4.000	3.990	
Square Area (in^2)	12.57	12.57	12.50	
Sample Volume (ft^3)	0.03391	0.03449	0.03410	
Weight of Unconfined (g)	2015.0	2009.5	1974.3	
Calc'd dry weight (g)	1894.5	1894.5	1859.5	
Tare No.	4002	2002	2525	
Tare (g)	114.2	122	128.4	
Wet Soil + Tare (g)	513	622.8	570.9	
Dry Soil + Tare (g)	489.15	594.14	545.17	
Dry Soil (g)	374.95	472.14	416.77	
Water (g)	23.85	28.66	25.73	
Moisture (%)	**6.4**	**6.1**	**6.2**	
Dry Density (pcf)	**123.2**	**121.1**	**120.2**	

Compressive Strength Data

Ultimate Load (lbs.)	7320	6350	6290	
Compressive Strength (psi)	590	510	510	
Average Strength (psI)	540			

Crawford & Associates, Inc.
Geotechnical Engineering, Design and Construction Services

Project Name: Geer Road Pavement Rehabilitation
Crawford File No: 23-931.2
Technician: D. Woodman
Sample ID: Mix Design No. 2
Sample Source: N/A
Intended Use: For Mix 2
Material Type: Mixed
Material Description: Mix 2 - 5% Cement - 11% HMA,34% AB, 56% Sub

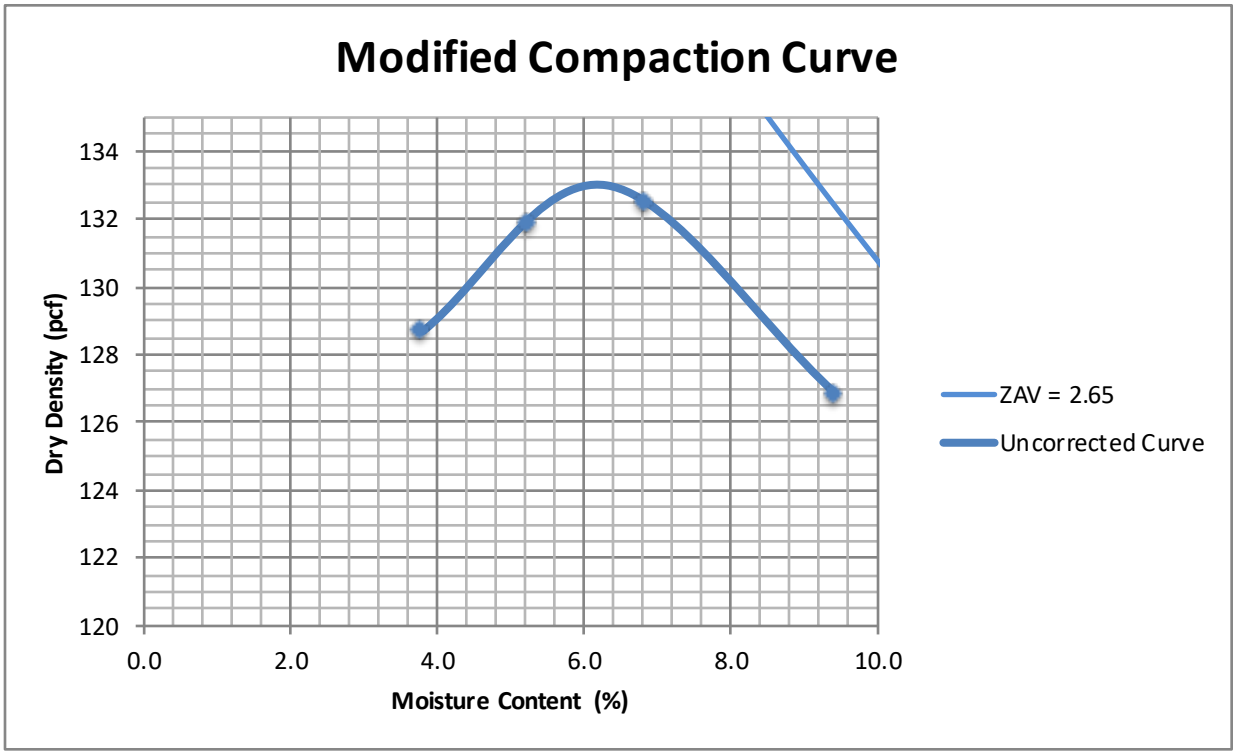
Sampled By: M. Rivera
Date Sampled: 10/31-11/2/2023
Date Tested: 10/08/25
Elevation: N/A

Compaction Curve - ASTMD 1557

Method B

Oversize Fraction: 0.00 %

Moisture (%)	3.8	5.2	6.8	9.4	8.3
Dry Density (pcf)	128.7	131.9	132.5	126.9	121.9



Optimum Moisture (%)	6.3
Maximum Dry Denstiy (pcf)	133

Reviewed By: Jarod Slinkard

Jarod A. Slinkard
Laboratory Operations Manager

Crawford & Associates, Inc.
Geotechnical Engineering, Design and Construction Services

Project Name: Geer Road Pavement Rehabilitation
Crawford File No: 23-931.2
Date: 10/16/25
Technician: C. Brathwaite
Sample Description: Mix 2 - 3% Cement - 11% HMA,34% AB, 56% Sub

UNCONFINED COMPRESSIVE STRENGTH OF SOIL-CEMENT SPECIMENS
- ATSM D1633, Method A

ASTM 1557-Method B Results: 6.3 Optimum Moisture (%)
133 Maximum Dry Density (pcf)

Moisture Density Data

	1	2	3	4
Sample ID No.	2-3%-1	2-3%-2	2-3%-3	
% Compaction	95	94	95	
Sample Length (in.)	4.726	4.776	4.726	
Diameter (in.)	3.990	3.990	4.010	
Square Area (in^2)	12.50	12.50	12.63	
Sample Volume (ft^3)	0.03420	0.03456	0.03454	
Weight of Unconfined (g)	2040.5	2042.3	2067.0	
Calc'd dry weight (g)	1903.6	1897.5	1921.0	
Tare No.	2005	1007	4022	
Tare (g)	121.1	115	114.3	
Wet Soil + Tare (g)	562.4	587.4	498.1	
Dry Soil + Tare (g)	532.8	553.9	471	
Dry Soil (g)	411.7	438.9	356.7	
Water (g)	29.6	33.5	27.1	
Moisture (%)	**7.2**	**7.6**	**7.6**	
Dry Density (pcf)	**122.7**	**121.0**	**122.6**	

Compressive Strength Data

Ultimate Load (lbs.)	2910	3020	2650	
Compressive Strength (psi)	240	250	210	
Average Strength (psI)	230			

Crawford & Associates, Inc.
Geotechnical Engineering, Design and Construction Services

Project Name: Geer Road Pavement Rehabilitation
Crawford File No: 23-931.2
Date: 10/17/15
Technician: C. Brathwaite
Sample Description: Mix 2 - 5% Cement - 11% HMA,34% AB, 56% Sub

UNCONFINED COMPRESSIVE STRENGTH OF SOIL-CEMENT SPECIMENS
- ATSM D1633, Method A

ASTM 1557-Method B Results: 6.3 Optimum Moisture (%)
133 Maximum Dry Density (pcf)

Moisture Density Data

	1	2	3	4
Sample ID No.	2-5%-1	2-5%-2	2-5%-3	
% Compaction	94	95	95	
Sample Length (in.)	4.702	4.763	4.775	
Diameter (in.)	4.000	4.010	4.000	
Square Area (in^2)	12.57	12.63	12.57	
Sample Volume (ft^3)	0.03419	0.03481	0.03472	
Weight of Unconfined (g)	2024.8	2073.7	2070.0	
Calc'd dry weight (g)	1883.0	1938.1	1936.3	
Tare No.	R16	1001	X27	
Tare (g)	114.4	112.5	112	
Wet Soil + Tare (g)	562.9	640.1	492.8	
Dry Soil + Tare (g)	531.5	605.6	468.2	
Dry Soil (g)	417.1	493.1	356.2	
Water (g)	31.4	34.5	24.6	
Moisture (%)	**7.5**	**7.0**	**6.9**	
Dry Density (pcf)	**121.4**	**122.7**	**122.9**	

Compressive Strength Data

Ultimate Load (lbs.)	4930	4820	5560	
Compressive Strength (psi)	400	390	450	
Average Strength (psI)	410			

Crawford & Associates, Inc.
Geotechnical Engineering, Design and Construction Services

Project Name: Geer Road Pavement Rehabilitation
Crawford File No: 23-931.2
Date: 10/17/25
Technician: C. Brathwaite
Sample Description: Mix 2 - 7% Cement - 11% HMA,34% AB, 56% Sub

UNCONFINED COMPRESSIVE STRENGTH OF SOIL-CEMENT SPECIMENS
- ATSM D1633, Method A

ASTM 1557-Method B Results: 6.3 Optimum Moisture (%)
133 Maximum Dry Density (pcf)

Moisture Density Data

	1	2	3	4
Sample ID No.	2-7%-1	2-7%-2	2-7%-3	
% Compaction	96	96	97	
Sample Length (in.)	4.685	4.766	4.699	
Diameter (in.)	4.000	4.000	3.990	
Square Area (in^2)	12.57	12.57	12.50	
Sample Volume (ft^3)	0.03407	0.03466	0.03400	
Weight of Unconfined (g)	2051.6	2072.9	2061.1	
Calc'd dry weight (g)	1923.7	1951.0	1935.8	
Tare No.	2020	2016	1020	
Tare (g)	124	122	113.2	
Wet Soil + Tare (g)	525	570.8	547.3	
Dry Soil + Tare (g)	500	544.4	520.9	
Dry Soil (g)	376	422.4	407.7	
Water (g)	25	26.4	26.4	
Moisture (%)	**6.6**	**6.3**	**6.5**	
Dry Density (pcf)	**124.5**	**124.1**	**125.5**	

Compressive Strength Data

Ultimate Load (lbs.)	4650	6490	4500	
Compressive Strength (psi)	380	520	360	
Average Strength (psI)	420			

APPENDIX B: PROJECT VICINITY MAPS

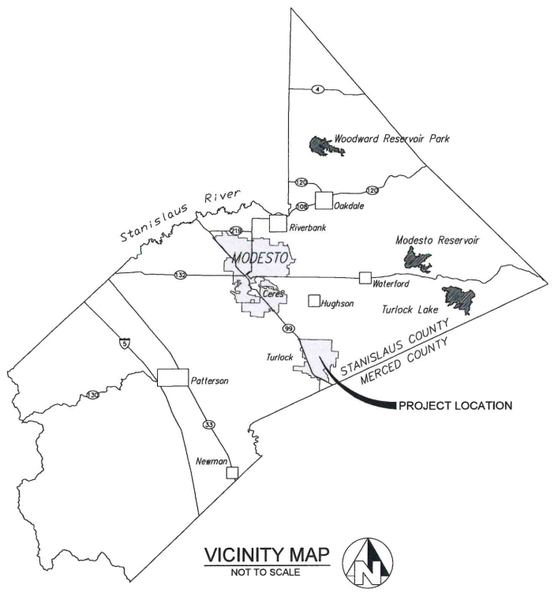
APPENDIX B: PROJECT VICINITY MAPS

PART 1 - COORDINATION WITH CONTRACTORS OF OTHER PROJECTS

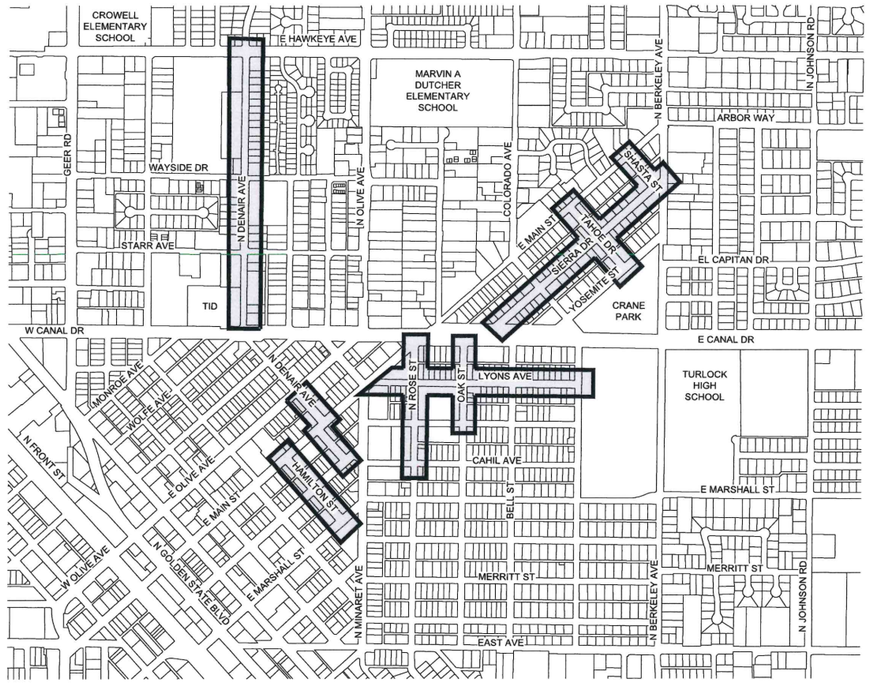
811 Know what's below. Call before you dig.

WARNING POWER LINES OVERHEAD

CITY OF TURLOCK
CONSTRUCTION PLANS FOR ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT
CITY PROJECT NO. 23-068 PACKAGE 2



VICINITY MAP
NOT TO SCALE



SITE MAP
NOT TO SCALE

SPECIAL NOTE

WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL OF THE STRUCTURES WHICH MAY BE ENCOUNTERED.

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THE CONTRACTOR SHALL HAVE AT THE WORK SITE, COPIES OR SUITABLE EXTRACTS OF CONSTRUCTION SAFETY ORDERS, ISSUED BY CAL-OSHA. CONTRACTOR SHALL COMPLY WITH PROVISIONS OF THESE AND ALL OTHER APPLICABLE LAWS, ORDINANCES AND REGULATIONS. THE CONTRACTOR MUST COMPLY WITH PROVISIONS OF THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, PROMULGATED BY THE SECRETARY OF LABOR UNDER SECTION 107 OF THE CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, AS SET FORTH IN TITLE 29 C.F.R.

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SHEET INDEX

SHEET NO.	SEQ. SHEET NO.	DESCRIPTION
GENERAL		
G1	1	COVER SHEET
G2	2	LEGEND & ABBREVIATIONS
G3	3	CONTROL POINTS
STREET PLAN		
C1	4	HAMILTON ST STA 10+76.41 - 14+00
C2	5	HAMILTON ST STA 14+00 - 18+28.32
C3	6	DENAIR AVE STA 21+22.46 - 25+00
C4	7	DENAIR AVE STA 25+00 - 28+00
C5	8	DENAIR AVE STA 36+25 - 41+00
C6	9	DENAIR AVE STA 41+00 - 45+00
C7	10	DENAIR AVE STA 45+00 - 49+00
C8	11	DENAIR AVE STA 49+00 - 53+00
C9	12	DENAIR AVE STA 53+00 - 57+00
C10	13	DENAIR AVE STA 57+00 - 59+80
C11	14	LYONS AVE STA 80+50 - 85+00
C12	15	LYONS AVE STA 85+00 - 90+00
C13	16	LYONS AVE STA 90+00 - 95+00
C14	17	LYONS AVE STA 95+00 - 98+50
C15	18	ROSE ST STA 100+00 - 104+00
C16	19	ROSE ST STA 104+00 - 108+00
C17	20	ROSE ST STA 108+00 - 111+00
C18	21	OAK ST STA 120+00 - 124+00
C19	22	OAK ST STA 124+00 - 128+00
C20	23	SIERRA DR STA 131+50 - 135+00
C21	24	SIERRA DR STA 135+00 - 139+00
C22	25	SIERRA DR STA 139+00 - 143+00
C23	26	SIERRA DR STA 143+00 - 147+00
C24	27	SIERRA DR STA 147+00 - 151+50
C25	28	TAHOE STA 150+50 - 154+25
C26	29	TAHOE STA 154+25 - 158+00
C27	30	SHASTA STA 160+00 - 165+00
C28	31	BELL ST STA 188+00 - 192+50
DETAILS		
D1	32	STANDARD DETAILS
D2	33	STANDARD DETAILS
D3	34	STANDARD DETAILS
D4	35	STANDARD DETAILS
D5	36	CIVIL DETAILS
D6	37	CIVIL DETAILS
D7	38	CIVIL DETAILS
D8	39	SITE DETAILS
D9	40	SITE DETAILS
D10	41	SITE DETAILS
D11	42	SITE DETAILS
D12	43	SITE DETAILS
D13	44	SITE DETAILS
D14	45	SITE DETAILS
D15	46	SITE DETAILS
D16	47	SITE DETAILS
D17	48	SITE DETAILS
D18	49	SITE DETAILS
D19	50	SITE DETAILS

SHEET INDEX

SHEET NO.	SEQ. SHEET NO.	DESCRIPTION
D20	51	SITE DETAILS
D21	52	SITE DETAILS
D22	53	SITE DETAILS
D23	54	SITE DETAILS
D24	55	SITE DETAILS
D25	56	SITE DETAILS
D26	57	SITE DETAILS
D27	58	SITE DETAILS
D28	59	SITE DETAILS
D29	60	SITE DETAILS
D30	61	SITE DETAILS
D31	62	SITE DETAILS
D32	63	SITE DETAILS
D33	64	SITE DETAILS
D34	65	SITE DETAILS
D35	66	SITE DETAILS
D36	67	SITE DETAILS
D37	68	SITE DETAILS
D38	69	SITE DETAILS
STORM DRAIN		
U1	70	ROSE STREET
U2	71	OAK STREET
U3	72	LYONS AVENUE
U4	73	DENAIR AVENUE
U5	74	DENAIR AVENUE
U6	75	SIERRA STREET
TRAFFIC HANDLING		
TH1	76	LEGEND
TH2	77	DETAILS
TH3	78	TRAFFIC HANDLING
TH4	79	TRAFFIC HANDLING
TH5	80	TRAFFIC HANDLING
TH6	81	TRAFFIC HANDLING
TH7	82	TRAFFIC HANDLING
TH8	83	TRAFFIC HANDLING
STRIPING		
S-1	84	HAMILTON ST STA 11+00 - 18+00
S-2	85	DENAIR AVE STA 20+50 - 28+00
S-3	86	DENAIR AVE STA 28+00 - 36+25
S-4	87	DENAIR AVE STA 36+25 - 45+00
S-5	88	DENAIR AVE STA 45+00 - 53+00
S-6	89	DENAIR AVE STA 53+00 - 59+80
S-7	90	LYONS AVE STA 80+50 - 90+00
S-8	91	LYONS AVE STA 90+00 - 98+50
S-9	92	ROSE ST STA 100+00 - 108+00
S-10	93	ROSE ST STA 108+00 - 111+00
S-11	94	OAK ST STA 120+00 - 128+00
S-12	95	SIERRA DR STA 131+50 - 139+00
S-13	96	SIERRA DR STA 139+00 - 147+00
S-14	97	SIERRA DR STA 147+00 - 151+00
S-15	98	TAHOE DR STA 150+50 - 158+00
TRENCH DETAILS		
TR01	99	TRENCH DETAILS

APPROVALS

11/06/2025
WILLIAM D. MORRIS, P.E., P.L.S. — DATE
CITY ENGINEER
MUNICIPAL SERVICES DEPARTMENT

CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
ROADS PROGRAM DIVISION
156 S. BROADWAY, SUITE 150
(209) 668-5520

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No.	REVISION	BY	DATE

BID SET
10/30/2025

REGISTERED PROFESSIONAL ENGINEER JEFFREY S. DORN No. 76749 CIVIL STATE OF CALIFORNIA
DATE SIGNED:

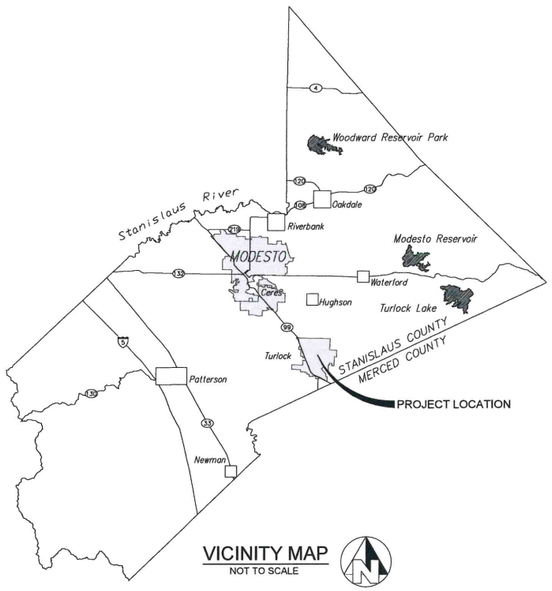
CITY OF TURLOCK
CONSTRUCTION PLANS FOR ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT
CITY PROJECT NO. 23-068, PACKAGE 2
GENERAL
COVER SHEET

PROVOST & PRITCHARD
455 W FIR AVENUE
CLOVIS, CA 93611-6166
PHONE (559) 449-2700
FAX (559) 449-2715
www.provostandpritchard.com

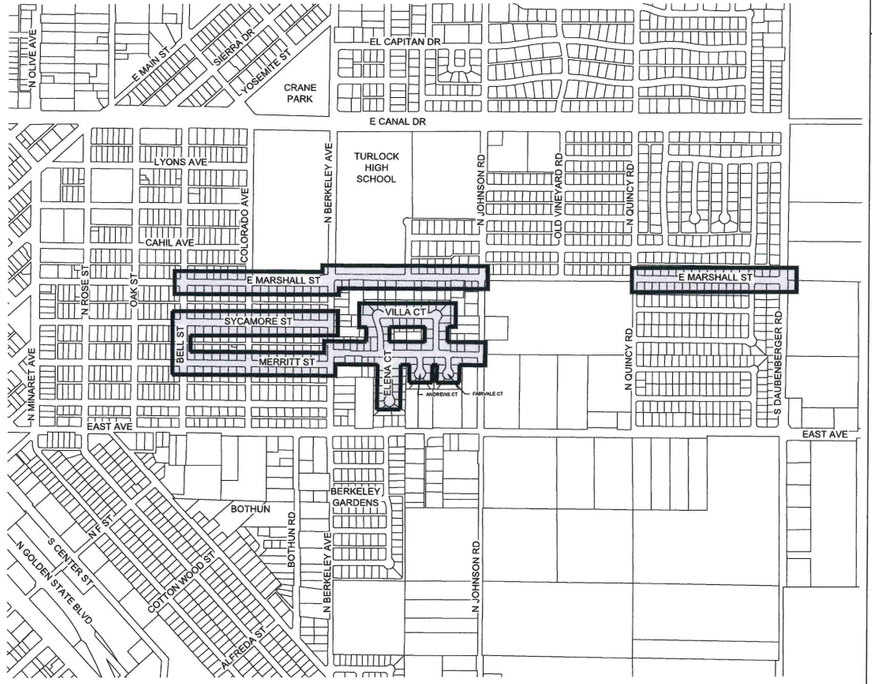
DESIGN ENGINEER: JEFF DORN
LICENSE NO: 76,749
DRAFTED BY: AR | CHECKED BY: JD
DATE: 10/30/2025
JOB NO: 229224001
PROJECT NO: 229224001
PHASE: 2
0 1"
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET G1
1 OF 99

11/6/2025 11:27 AM G:\Turlock_City of\229224001-2024 Road Rehab\300 CAD\340 Sheet Sets\01_General\G01 COVER SHEET.dwg Jean Lung

CITY OF TURLOCK
CONSTRUCTION PLANS FOR ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT
CITY PROJECT NO. 23-068 - PACKAGE 3



VICINITY MAP
NOT TO SCALE



SITE MAP
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SHEET INDEX

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C3	6	MARSHALL ST STA 20+00 - 23+60
C4	7	MARSHALL ST STA 23+60 - 28+00
C5	8	MARSHALL ST STA 28+00 - 33+00
C6	9	MARSHALL ST STA 33+00 - 38+00
C7	10	MARSHALL ST STA 51+00 - 56+00
C8	11	MARSHALL ST STA 56+00 - 61+00
C9	12	MARSHALL ST STA 61+00 - 64+53
C10	13	SYCAMORE ST STA 71+00 - 76+00
C11	14	SYCAMORE ST STA 76+00 - 80+00
C12	15	SYCAMORE ST STA 80+00 - 84+20
C13	16	MERRITT ST STA 91+00 - 96+00
C14	17	MERRITT ST STA 96+00 - 100+00
C15	18	MERRITT ST STA 100+00 - 104+10
C16	19	MERRITT ST STA 104+10 - 108+00
C17	20	MERRITT ST STA108+00 - 117+00
C18	21	VILLA CT ST STA 125+00 - 132+00
C19	22	VILLA CT STA 120+00 - 124+70 AND 135+00 - 139+50
C20	23	ELENA CR ANDREWS CT AND FAIRVALE CT
C21	24	BELL ST STA 171+00 - 175+00
DETAILS		
D1	25	STANDARD DETAILS
D2	26	STANDARD DETAILS
D3	27	STANDARD DETAILS
D4	28	STANDARD DETAILS
D5	29	CIVIL DETAILS
D6	30	CIVIL DETAILS
D7	31	SITE DETAILS
D8	32	SITE DETAILS
D9	33	SITE DETAILS
D10	34	SITE DETAILS
D11	35	SITE DETAILS
D12	36	SITE DETAILS
D13	37	SITE DETAILS
D14	38	SITE DETAILS
D15	39	SITE DETAILS
D16	40	SITE DETAILS
D17	41	SITE DETAILS
D18	42	SITE DETAILS

SHEET INDEX

SHEET NO.	SEQ. SHEET NO.	DESCRIPTION
D19	43	SITE DETAILS
D20	44	SITE DETAILS
D21	45	SITE DETAILS
D22	46	SITE DETAILS
STORM DRAIN		
U1	47	MARSHALL ST
U2	48	MARSHALL ST
U3	49	MARSHALL ST
U4	50	MARSHALL ST
U5	51	MARSHALL ST
U6	52	MARSHALL ST
U7	53	BELL ST
TRAFFIC HANDLING		
TH1	54	LEGEND
TH2	55	TRAFFIC HANDLING
TH3	56	TRAFFIC HANDLING
TH4	57	TRAFFIC HANDLING
TH5	58	TRAFFIC HANDLING
TH6	59	TRAFFIC HANDLING
TH7	60	TRAFFIC HANDLING
TH8	61	TRAFFIC HANDLING
TH9	62	TRAFFIC HANDLING
STRIPING		
S-1	63	MARSHALL ST STA 10+50 - 20+00
S-2	64	MARSHALL ST STA 20+00 - 24+30
S-3	65	MARSHALL ST STA 28+00 - 38+00
S-4	66	MARSHALL ST STA 51+00 - 56+00
S-5	67	MARSHALL ST STA 61+00 - 64+53
S-6	68	SYCAMORE ST STA 71+00 - 76+00
S-7	69	SYCAMORE ST STA 76+00 - 80+00
S-8	70	MERRITT ST STA 91+00 - 100+00
S-9	71	MERRITT ST STA 100+00 - 108+00
S-10	72	MERRITT ST STA 108+00 - 117+00
S-11	73	VILLA CT STA 125+00 - 132+00
S-12	74	VILLA CT STA 120+00 - 124+70 AND 135+00 TO 139+50
S-13	75	ELENA CT ANDREWS CT AND FAIRVALE CT
S-14	76	BELL ST STA 171+00 - 175+00
TRENCH DETAILS		
TR01	77	TRENCH DETAILS
TR02	78	TRENCH DETAILS

APPROVALS

01/21/2026
WILLIAM D. MORRIS, P.E., P.L.S. — DATE
CITY ENGINEER
MUNICIPAL SERVICES DEPARTMENT

CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
ROADS PROGRAM DIVISION
156 S. BROADWAY, SUITE 150
(209) 668-5520

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No.	REVISION	BY	DATE
	BID SET 1/22/2026		

REGISTERED PROFESSIONAL ENGINEER — JEFFREY S. DORN — No. 76749 — CIVIL — STATE OF CALIFORNIA
DATE SIGNED:

CITY OF TURLOCK
ROADS PROGRAM CIP
CITY PROJECT No. 23-068, PACKAGE 3
GENERAL
COVER SHEET

PROVOST & PRITCHARD
455 W FIR AVENUE
CLOVIS, CA 93611-5845
PHONE (559) 449-2700
FAX (559) 449-2715
www.provostandpritchard.com

DESIGN ENGINEER: JEFF DORN
LICENSE NO: 76,749
DRAFTED BY: AR | CHECKED BY: JD
DATE: JAN 2026
JOB NO: 229224001
PROJECT NO: 229224001
PHASE: 3
0 — 1"
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET G1
1 OF 78

1/19/2026 8:51 AM G:\Turlock_City of\229223\229224001-2024 Road Rehab\300 CAD\345 Sheet Sets\01_General\G1 COVER SHEET.dwg Annemarie Fier

CITY OF TURLOCK

CONSTRUCTION PLANS FOR

ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

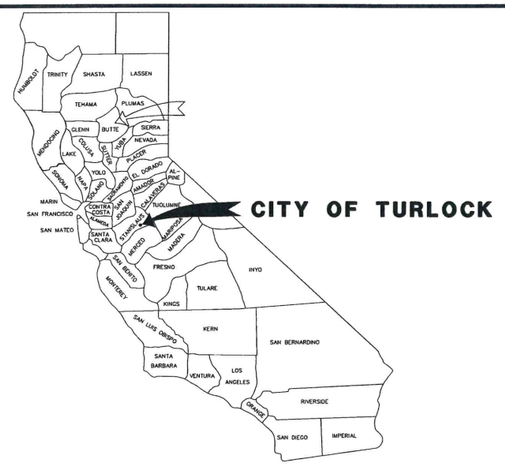
CITY PROJECT NO. 25-023

DELS LN:	NORTH GOLDEN STATE BLVD TO WEST MONTE VISTA AVE
FENN CT:	DELS LN TO EAST END
POMONA CT:	DELS LN TO EAST END
HUMBOLT CT:	DELS LN TO EAST END
BEREA CT:	DELS LN TO EAST END
SEABORG ST:	DELS LN TO ANDRE LN

SUPPLEMENTED BY CALTRANS STANDARD PLANS
AND STANDARD SPECIFICATIONS DATED 2024
& CITY OF TURLOCK ENGINEERING DESIGN STANDARD
SPECIFICATIONS AND DRAWINGS DATED 2016.

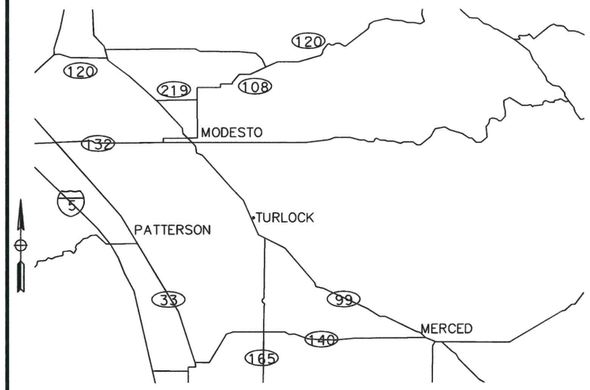
SHEET INDEX

SHEET	DRAWING	TITLE
1	T-1	TITLE SHEET
2 TO 3	GN-1 TO GN-2	GENERAL NOTES
4	PC-1	PROJECT CONTROL
5	K-1	KEY MAP
6 TO 7	X-1 TO X-2	TYPICAL SECTIONS
8 TO 15	DM-1 TO DM-8	DEMOLITION PLANS
16 TO 23	L-1 TO L-8	LAYOUTS
24 TO 56	CD-1 TO CD-33	CONSTRUCTION DETAILS
57 TO 64	G-1 TO G-8	GRADING PLANS
65 TO 72	DU-1 TO DU-8	DRAINAGE AND UTILITIES
83 TO 80	UUD-1 TO UUD-8	UNDERGROUND UTILITY DEPTHS
81	DP-1	DRAINAGE PROFILE
82	DD-1	DRAINAGE DETAILS
83 TO 84	TH-1 TO TH-2	TRAFFIC HANDLING PLANS
85 TO 92	SS-1 TO SS-8	SIGNING AND STRIPING
93 TO 101	E-1 TO E-9	ELECTRICAL SHEETS



CALIFORNIA STATE MAP

NO SCALE

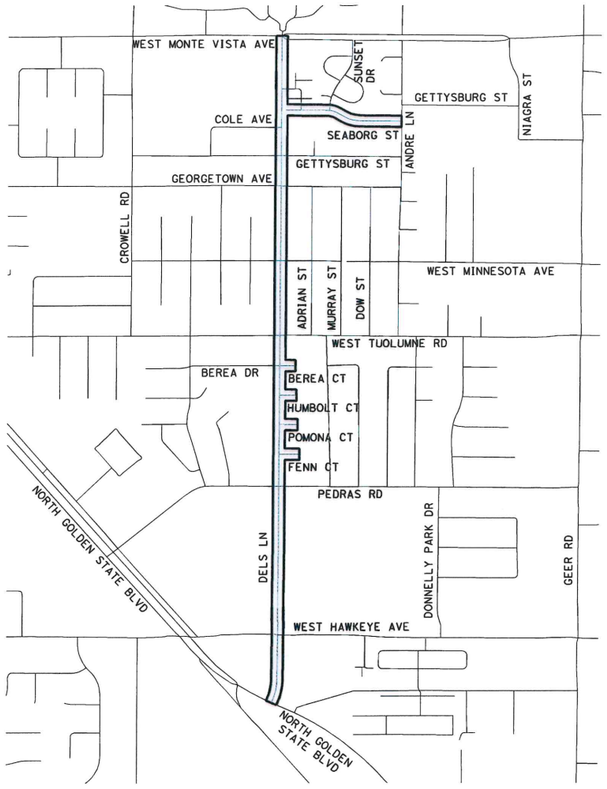


VICINITY MAP

NO SCALE

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL CALL
"UNDERGROUND SERVICE ALERT" (USA)
AT 811 AT LEAST 2 WORKING DAYS
PRIOR TO PERFORMING ANY EXCAVATION



PROJECT LOCATION MAP

60% PLANS - NOT FOR CONSTRUCTION

CITY OF TURLOCK APPROVAL

WILLIAM D. MORRIS, P.E., P.L.S — DATE
CITY ENGINEER
MUNICIPAL SERVICES DEPARTMENT

UTILITY CONTACTS

UTILITY	CONTACT	PHONE
AT&T	OSCAR MORALES	(559) 470-6488
CHARTER COMMUNICATIONS	MITCHELL KEELE	(209) 633-3346
TID ELECTRICAL	DAVID PORATH	(209) 605-0945
TID IRRIGATION	BILL PENNEY	(209) 883-8385
CITY OF TURLOCK ELETRICAL	DOYLE PERRY	(209) 678-5823
CITY OF TURLOCK STORM AND SEWER	CARLOS GUERRERO	(209) 345-2169
CITY OF TURLOCK WATER	ORLANDO GUTIERREZ	(209) 740-3868
PG&E GAS	TBD	TBD
CVIN	ERAAN HERMOSILLA	(559) 554-9100

DESIGNED BY: YANES, N.
DRAWN BY: FRANCO, N.
CHECKED BY: NORIEGA, E.
SCALE: NOT TO SCALE
DATE: 9/23/2025
JOB NO.: 25-B0041

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

USA NORTH 811 Call 811 Before You Dig

SCALE

REGISTERED PROFESSIONAL ENGINEER — TODD LEWIS — No. XXXXX — Exp. XX/XX/XX — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
701 UNIVERSITY AVENUE, SUITE 200
SACRAMENTO, CALIFORNIA 95825
(916) 381-9100 FAX:(916)381-9180
markthomas.com

CITY OF TURLOCK
MUNICIPAL SERVICES
DEPARTMENT
156 S. BROADWAY
SUITE 150
(209)668-5520

CITY OF TURLOCK
ROADS PROGRAM CIP
PROJECT 23-023
TITLE SHEET

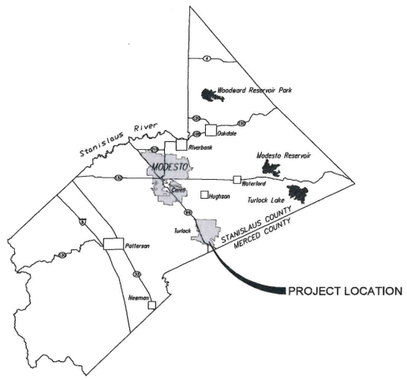
Know what's below. Call before you dig.

WARNING
POWER LINES OVERHEAD

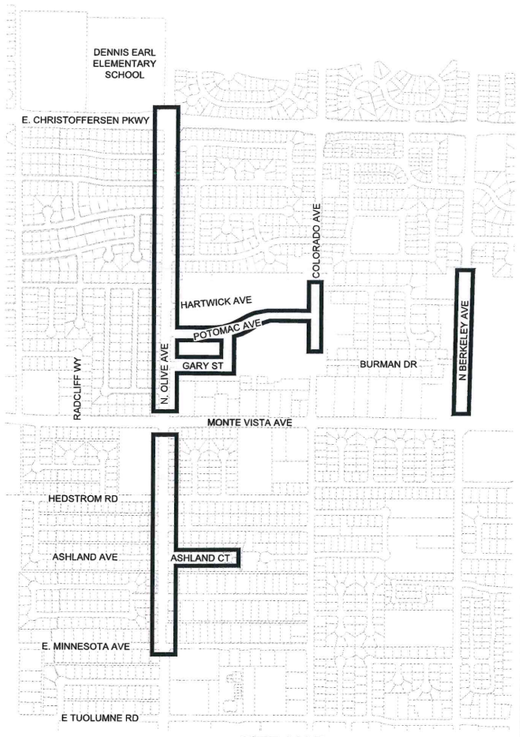
CITY OF TURLOCK

CONSTRUCTION PLANS FOR ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

CITY PROJECT NO. 25-024



VICINITY MAP
NOT TO SCALE



SITE MAP
NOT TO SCALE

GENERAL NOTES

1. CITY OF TURLOCK (209)668-5520 SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR EXISTING DISTRICT FACILITIES.
2. USED MATERIAL, REJECTS, MISFITS, OR SECONDS, ETC. ARE NOT ACCEPTABLE FOR USE ON CITY OF TURLOCK FACILITIES.
3. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THESE PLANS, PROJECT SPECIFICATIONS AND CITY OF TURLOCK SPECIFICATIONS.
4. CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING FACILITIES PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) AT 8-1-1. CONTRACTOR SHALL MAKE ENGINEER AWARE OF ANY DISCREPANCIES.
5. ALL CAST-IN-PLACE CONCRETE STRUCTURES SHALL BE FORMED INSIDE AND OUT AND CONCRETE VIBRATED SUFFICIENTLY TO PROVIDE FOR SMOOTH SURFACED WALLS/FLOORS WITHOUT VOIDS AND HONEYCOMBS.
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7. CONCRETE DESIGN MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALL CONCRETE SHALL HAVE A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE SPECIFIED.
8. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS OF THE STATE OF CALIFORNIA AND CAL/OSHA STANDARDS.
9. TRENCH BACKFILL AND RESERVOIR EMBANKMENTS SHALL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS AND THE GEOTECHNICAL REPORT CONTAINED IN THE SPECIFICATIONS.
10. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ALL PIPELINE CRACKS, WHICH DEVELOP DURING CONSTRUCTION OF IMPROVEMENTS AFFECTING EXISTING FACILITIES.
11. CONCRETE VAULTS AND BOXES MAY BE PURCHASED FROM A PRECAST MANUFACTURER OR CONTRACTOR MAY CONSTRUCT THE STRUCTURES IF STRUCTURAL CALCULATIONS AND DESIGN IS APPROVED BY THE CITY OF TURLOCK AND THE ENGINEER.
12. ALL EXCESS MATERIAL AND/OR DEBRIS SHALL BE REMOVED UPON COMPLETION OF INSTALLATION.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE DUST CONTROL AT ALL TIMES.

SPECIAL NOTE

WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL OF THE STRUCTURES WHICH MAY BE ENCOUNTERED.

SITE SAFETY AND PROTECTION NOTES

THE DUTY OF THE ENGINEER, OWNER OR ITS AGENTS TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE AND THE UNDERTAKING OF INSPECTIONS OR THE GIVING OF INSTRUCTIONS AS AUTHORIZED HEREIN IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF THE ACTUAL CONSTRUCTION NOR MAKE THE ENGINEER, OWNER OR ITS AGENTS RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR, SUBCONTRACTORS, OR SUPPLIERS, OR FOR ACCESS, VISITS, USE, WORK, TRAVEL OR OCCUPANCY BY ANY PERSON.

THE CONTRACTOR SHALL HAVE AT THE WORK SITE, COPIES OR SUITABLE EXTRACTS OF CONSTRUCTION SAFETY ORDERS, ISSUED BY CAL-OSHA. CONTRACTOR SHALL COMPLY WITH PROVISIONS OF THESE AND ALL OTHER APPLICABLE LAWS, ORDINANCES AND REGULATIONS. THE CONTRACTOR MUST COMPLY WITH PROVISIONS OF THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, PROMULGATED BY THE SECRETARY OF LABOR UNDER SECTION 107 OF THE CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, AS SET FORTH IN TITLE 29 C.F.R.

TO PROTECT THE LIVES AND HEALTH OF CONTRACTOR'S EMPLOYEES UNDER THE CONTRACT, THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC., AND SHALL MAINTAIN AN ACCURATE RECORD OF ALL CASES OF DEATH, OCCUPATIONAL DISEASE, AND INJURY REQUIRING MEDICAL ATTENTION OR CAUSING LOSS OF TIME FROM WORK, ARISING OUT OF AND IN THE COURSE OF EMPLOYMENT OR WORK UNDER THE CONTRACT.

THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR THE SAFETY, EFFICIENCY, AND ADEQUACY OF CONTRACTOR'S FACILITIES, APPLIANCES, AND METHODS AND FOR ANY DAMAGE, WHICH MAY RESULT FROM THEIR FAILURE OR THEIR IMPROPER CONSTRUCTION, MAINTENANCE OR OPERATION.

THE CONTRACTOR AGREES THAT IT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, PROVOST & PRITCHARD CONSULTING GROUP, AND THEIR RESPECTIVE AGENTS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF OWNER, ENGINEER, OR THEIR RESPECTIVE AGENTS.

THE OWNER AND ITS AGENTS' SITE RESPONSIBILITIES ARE LIMITED SOLELY TO THE ACTIVITIES OF THEIR EMPLOYEES ON SITE. THESE RESPONSIBILITIES SHALL NOT BE INFERRED BY ANY PARTY TO MEAN THAT THE OWNER OR ITS AGENTS HAVE RESPONSIBILITY FOR SITE SAFETY. SAFETY IN, ON, OR ABOUT THE SITE IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR ALONE. THE CONTRACTOR'S METHODS OF WORK PERFORMANCE, SUPERINTENDENCE AND THE CONTRACTOR'S EMPLOYEES, AND SEQUENCING OF CONSTRUCTION ARE ALSO THE SOLE AND EXCLUSIVE RESPONSIBILITIES OF THE CONTRACTOR ALONE.

TOPOGRAPHY NOTE

TOPOGRAPHY SHOWN WAS COLLECTED BY PROVOST & PRITCHARD CONSULTING GROUP DURING A FIELD SURVEY CONDUCTED IN MAY OF 2025.

BOUNDARY NOTE

THE BOUNDARY/EASEMENT INFORMATION SHOWN ON THESE PLANS IS BASED UPON RECORD INFORMATION TIED TO PHYSICAL MONUMENTS, AND WAS PREPARED UNDER THE DIRECTION OF BRYAN W. BOWERS, PLS 8469.

PRIMARY VERTICAL BENCHMARK

CONTROL POINT 1000
LIST ELEVATION: 105.949' (TURLOCK BENCHMARK SYSTEM)
DESCRIPTION: A 5/8" REBAR WITH PLASTIC CAP

APPROVALS

WILLIAM D. MORRIS, P.E., P.L.S. DATE
CITY ENGINEER
MUNICIPAL SERVICES DEPARTMENT

Sheet List Table

SHT NO	SEQ SHT NO.	DESCRIPTION
GENERAL		
G1	1	COVER SHEET
G2	2	LEGEND AND ABBREVIATIONS
G3	3	CONTROL POINTS
STREET PLAN AND PROFILE		
C1	4	N OLIVE AVE STA 10+30 - 14+00
C2	5	N OLIVE AVE STA 14+00 - 19+00
C3	6	N OLIVE AVE STA 19+00 - 24+00
C4	7	N OLIVE AVE STA 24+00 - 29+00
C5	8	N OLIVE AVE STA 29+00 - 34+00
C6	9	N OLIVE AVE STA 34+00 - 39+00
C7	10	N OLIVE AVE STA 39+00 - 43+00
C8	11	N OLIVE AVE STA 43+00 - 48+00
C9	12	N OLIVE AVE STA 48+00 - 53+00
C10	13	N OLIVE AVE STA 53+00 - 56+80
C11	14	ASHLAND CT 10+00 - 13+00
C12	15	ASHLAND CT 13+00 - 15+70
C13	16	POTOMAC AVE 10+75 - 14+75
C14	17	POTOMAC AVE 14+75 - 19+00
C15	18	POTOMAC AVE 19+00 - 23+73
C16	19	GARY ST 10+00 - 13+00
C17	20	GARY ST 13+00 - 15+51
C18	21	RICHARD ST STA 10+00 - 12+92
C19	22	COLORADO AVE STA 9+50 - 14+00
C20	23	COLORADO AVE STA 14+00 - 16+03
C21	24	N BERKELEY AVE STA 11+00 - 14+00
C22	25	N BERKELEY AVE STA 14+00 - 19+00
C23	26	N BERKELEY AVE STA 19+00 - 22+00
DETAILS		
D1	27	STANDARD DETAILS
D2	28	STANDARD DETAILS
D3	29	STANDARD DETAILS
D4	30	STANDARD DETAILS
D5	31	CIVIL DETAILS
D6	32	CIVIL DETAILS
D7	33	SITE DETAILS
D8	34	SITE DETAILS
D9	35	SITE DETAILS
D10	36	SITE DETAILS
D11	37	SITE DETAILS
D12	38	SITE DETAILS
D13	39	SITE DETAILS

Sheet List Table

SHT NO	SEQ SHT NO.	DESCRIPTION
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D15	41	SITE DETAILS
D16	42	SITE DETAILS
D17	43	SITE DETAILS
D18	44	SITE DETAILS
D19	45	SITE DETAILS
D20	46	SITE DETAILS
D21	47	SITE DETAILS
D22	48	SITE DETAILS
D23	49	SITE DETAILS
D24	50	SITE DETAILS
D25	51	SITE DETAILS
D26	52	SITE DETAILS
D27	53	SITE DETAILS
STORM DRAIN		
U1	54	OLIVE AVE
U2	55	GARY AVE
U3	56	COLORADO AVE
STRIPING		
S1	57	N. OLIVE AVE STA 10+30 - 19+00
S2	58	N. OLIVE AVE STA 19+00 - 29+00
S3	59	N. OLIVE AVE STA 29+00 - 39+00
S4	60	N. OLIVE AVE STA 39+00 - 48+00
S5	61	N. OLIVE AVE STA 48+00 - 56+80
S6	62	ASHLAND CT STA 10+00 - 15+69
S7	63	POTOMAC AVE STA 10+00 - 19+00
S8	64	POTOMAC AVE STA 19+00 - 22+50
S9	65	GARY ST STA 10+00 - 15+50
S10	66	RICHARD ST STA 10+00 - 12+91
S11	67	COLORADO AVE STA 10+00 - 16+02
S12	68	BERKELEY AVE STA 10+50 - 19+00
S13	69	BERKELEY AVE STA 19+00 - 21+50
TRAFFIC HANDLING		
TH1	70	TRAFFIC HANDLING LEGEND
TH2	71	TRAFFIC HANDLING
TH3	72	TRAFFIC HANDLING
TH4	73	TRAFFIC HANDLING
TH5	74	TRAFFIC HANDLING
TH6	75	TRAFFIC HANDLING
TH7	76	TRAFFIC HANDLING
TH8	77	TRAFFIC HANDLING
TH9	78	TRAFFIC HANDLING

CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
ROADS PROGRAM DIVISION
156 S. BROADWAY, SUITE 150
(209) 668-5520

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95% CONSTRUCTION DOCUMENTS
NOT FOR CONSTRUCTION
MARCH 13, 2026

No.	REVISION	BY	DATE

REGISTERED PROFESSIONAL ENGINEER ANNEMARIE FOX 91171 CIVIL STATE OF CALIFORNIA
DATE SIGNED:

CITY OF TURLOCK
CAPITAL IMPROVEMENT PROGRAM
CITY PROJECT NO. 25-024
GENERAL
COVER SHEET

PROVOST & PRITCHARD
455 W FIFTH AVENUE
CHICO, CA 95973-9246
PHONE (559) 449-2700
FAX (559) 449-2715
www.provostandpritchard.com

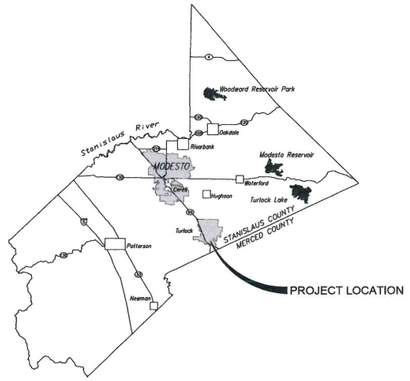
DESIGN ENGINEER: ANNEMARIE FOX
LICENSE NO: 91171
DRAFTED BY: KM/LY | CHECKED BY: MLO/JD
DATE: 03/13/2026
JOB NO: 228225003
PROJECT NO: 25-024
PHASE:
0 1"
ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET G1
1 OF 78

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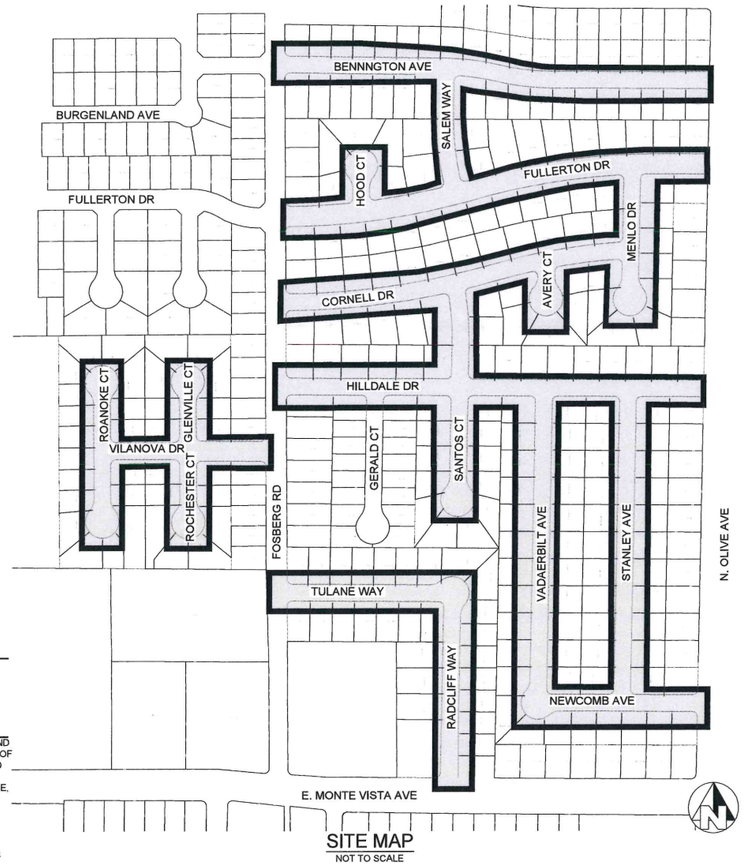
CITY OF TURLOCK

CONSTRUCTION PLANS FOR ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

CITY PROJECT NO. 25-024 PACKAGE 2



VICINITY MAP
NOT TO SCALE



SITE MAP
NOT TO SCALE

GENERAL NOTES

1. CITY OF TURLOCK (209)668-5520 SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR EXISTING DISTRICT FACILITIES.
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11. CONCRETE VAULTS AND BOXES MAY BE PURCHASED FROM A PRECAST MANUFACTURER OR CONTRACTOR MAY CONSTRUCT THE STRUCTURES IF STRUCTURAL CALCULATIONS AND DESIGN IS APPROVED BY THE CITY OF TURLOCK AND THE ENGINEER.
12. ALL EXCESS MATERIAL AND/OR DEBRIS SHALL BE REMOVED UPON COMPLETION OF INSTALLATION.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE DUST CONTROL AT ALL TIMES.

SHEET INDEX

SHEET NO.	SEQ. SHT NO.	DESCRIPTION
GENERAL		
G1	1	COVER SHEET
G2	2	LEGEND AND ABBREVIATIONS
STREET PLAN AND PROFILE		
C1	3	BENNINGTON AVE STA 12+00 - 14+00
C2	4	BENNINGTON AVE STA 14+00 - 19+00
C3	5	BENNINGTON AVE STA 19+00 - 23+40
C4	6	FULLERTON DR STA 30+00 - 34+50
C5	7	FULLERTON DR STA 34+50 - 39+00
C6	8	FULLERTON DR STA 39+00 - 43+44
C7	9	CORNELL DR STA 70+00 - 74+00
C8	10	CORNELL DR STA 74+00 - 77+00
C9	11	CORNELL DR STA 77+00 - 80+68
C10	12	HOOD CT STA 50+00 - 52+00
C11	13	SALEM WAY STA 60+00 - 63+84
C12	14	AVERY CT STA 90+00 - 92+00
C13	15	MENLO DR STA 100+00 - 105+00
C14	16	HILLSIDE DR STA 160+00 - 164+00
C15	17	HILLSIDE DR STA 164+00 - 169+00
C16	18	HILLSIDE DR STA 169+00 - 173+15
C17	19	VILLANOVA DR STA 110+00 - 115+00
C18	20	TULANE WAY STA 152+00 - 154+57
C19	21	RADCLIFF WAY STA 160+00 - 163+00
C20	22	RADCLIFF WAY STA 163+00 - 165+99
C21	23	NEWCOMB AVE STA 182+00 - 185+21
C22	24	ROANOKE CT STA 132+00 - 134+17
C23	25	ROCHESTER CT & GLENVILLE CT STA 140+00 - 144+21
C24	26	SANTOS CT-AVE STA 190+00 - 192+50
C25	27	SANTOS CT-AVE STA 192+50 - 196+47.66
C26	28	VANDERBILT AVE STA 213+00 - 214+50
C27	29	VANDERBILT AVE STA 214+50 - 219+37

SHEET INDEX

SHEET NO.	SEQ. SHT NO.	DESCRIPTION
C28	30	STANLEY AVE STA 223+00 - 224+50
C29	31	STANLEY AVE STA 224+50 - 229+36.76
DETAILS		
D1	32	STANDARD DETAILS
D2	33	STANDARD DETAILS
D3	34	STANDARD DETAILS
D4	35	STANDARD DETAILS
D5	36	CIVIL DETAILS
D6	37	CIVIL DETAILS
D7	38	SITE DETAILS
D8	39	SITE DETAILS
D9	40	SITE DETAILS
D10	41	SITE DETAILS
D11	42	SITE DETAILS
D12	43	SITE DETAILS
D13	44	SITE DETAILS
D14	45	SITE DETAILS
D15	46	SITE DETAILS
D16	47	SITE DETAILS
D17	48	SITE DETAILS
D18	49	SITE DETAILS
D19	50	SITE DETAILS
D20	51	SITE DETAILS
D21	52	SITE DETAILS
D22	53	SITE DETAILS
D23	54	SITE DETAILS
D24	55	SITE DETAILS
D25	56	SITE DETAILS
D26	57	SITE DETAILS
D27	58	SITE DETAILS
D28	59	SITE DETAILS
D29	60	SITE DETAILS

SPECIAL NOTE

WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL OF THE STRUCTURES WHICH MAY BE ENCOUNTERED.

SITE SAFETY AND PROTECTION NOTES

THE DUTY OF THE ENGINEER, OWNER OR ITS AGENTS TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE AND THE UNDERTAKING OF INSPECTIONS OR THE GIVING OF INSTRUCTIONS AS AUTHORIZED HEREIN IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF THE ACTUAL CONSTRUCTION NOR MAKE THE ENGINEER, OWNER OR ITS AGENTS RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR, SUBCONTRACTORS, OR SUPPLIERS, OR FOR ACCESS, VISITS, USE, WORK, TRAVEL OR OCCUPANCY BY ANY PERSON.

THE CONTRACTOR SHALL HAVE AT THE WORK SITE, COPIES OR SUITABLE EXTRACTS OF CONSTRUCTION SAFETY ORDERS, ISSUED BY CAL-OSHA. CONTRACTOR SHALL COMPLY WITH PROVISIONS OF THESE AND ALL OTHER APPLICABLE LAWS, ORDINANCES AND REGULATIONS. THE CONTRACTOR MUST COMPLY WITH PROVISIONS OF THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, PROMULGATED BY THE SECRETARY OF LABOR UNDER SECTION 107 OF THE CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, AS SET FORTH IN TITLE 29 C.F.R.

TO PROTECT THE LIVES AND HEALTH OF CONTRACTOR'S EMPLOYEES UNDER THE CONTRACT, THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC., AND SHALL MAINTAIN AN ACCURATE RECORD OF ALL CASES OF DEATH, OCCUPATIONAL DISEASE, AND INJURY REQUIRING MEDICAL ATTENTION OR CAUSING LOSS OF TIME FROM WORK, ARISING OUT OF AND IN THE COURSE OF EMPLOYMENT OR WORK UNDER THE CONTRACT.

THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR THE SAFETY, EFFICIENCY, AND ADEQUACY OF CONTRACTOR'S FACILITIES, APPLIANCES, AND METHODS AND FOR ANY DAMAGE, WHICH MAY RESULT FROM THEIR FAILURE OR THEIR IMPROPER CONSTRUCTION, MAINTENANCE OR OPERATION.

THE CONTRACTOR AGREES THAT IT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, PROVOST & PRITCHARD CONSULTING GROUP, AND THEIR RESPECTIVE AGENTS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF OWNER, ENGINEER, OR THEIR RESPECTIVE AGENTS.

THE OWNER AND ITS AGENTS' SITE RESPONSIBILITIES ARE LIMITED SOLELY TO THE ACTIVITIES OF THEIR EMPLOYEES ON SITE. THESE RESPONSIBILITIES SHALL NOT BE INFERRED BY ANY PARTY TO MEAN THAT THE OWNER OR ITS AGENTS HAVE RESPONSIBILITY FOR SITE SAFETY. SAFETY IN, ON, OR ABOUT THE SITE IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR ALONE. THE CONTRACTOR'S METHODS OF WORK PERFORMANCE, SUPERINTENDENCE AND THE CONTRACTOR'S EMPLOYEES, AND SEQUENCING OF CONSTRUCTION ARE ALSO THE SOLE AND EXCLUSIVE RESPONSIBILITIES OF THE CONTRACTOR ALONE.

TOPOGRAPHY NOTE

TOPOGRAPHY SHOWN WAS COLLECTED BY PROVOST & PRITCHARD CONSULTING GROUP DURING A FIELD SURVEY CONDUCTED IN MAY OF 2025.

BOUNDARY NOTE

THE BOUNDARY/EASEMENT INFORMATION SHOWN ON THESE PLANS IS BASED UPON RECORD INFORMATION TIED TO PHYSICAL MONUMENTS, AND WAS PREPARED UNDER THE DIRECTION OF BRYAN W. BOWERS, PLS 8469.

PRIMARY VERTICAL BENCHMARK

CONTROL POINT 1000
LISTE ELEVATION: 105.949' (TURLOCK BENCHMARK SYSTEM)
DESCRIPTION: A 5/8" REBAR WITH PLASTIC CAP

APPROVALS

WILLIAM D. MORRIS, P.E., P.L.S — DATE
CITY ENGINEER
MUNICIPAL SERVICES DEPARTMENT

CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
ROADS PROGRAM DIVISION
156 S. BROADWAY, SUITE 150
(209) 668-5520

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PRELIMINARY
NOT FOR CONSTRUCTION
DECEMBER 31, 2025

No.	REVISION	BY	DATE

FOR REVIEW ONLY

CITY OF TURLOCK
CONSTRUCTION PLANS FOR ROADS PROGRAM
CAPITAL IMPROVEMENT PROJECT
CITY PROJECT NO. 25-024
GENERAL
COVER SHEET

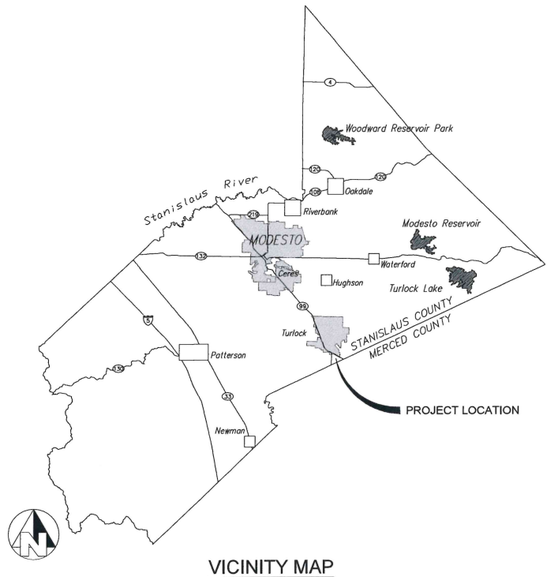
PROVOST & PRITCHARD
CONSULTING GROUP
455 W FIR AVENUE
CLOVIS, CA 93611-5286
PHONE (559) 449-2700
FAX (559) 449-2715
www.provostpritchard.com

DESIGN ENGINEER: ANNEMARIE FOX
LICENSE NO: 91,171
DRAFTED BY: KF/LY
CHECKED BY: JSI/JD
DATE: 12/31/2025
JOB NO: 229225003
PROJECT NO: 25-024
PHASE: SD
0 _____ 1"
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET G1
1 OF 60

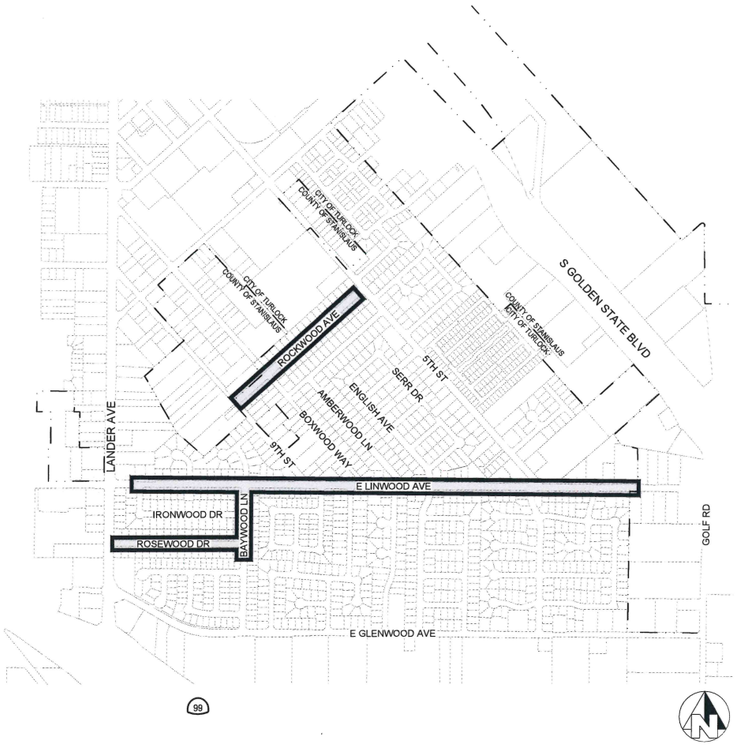
12/31/2025 12:42 PM G:\Turlock_City of\229225003-Olive Road Rehab\300 CAD\42 Sheet Sets P2\01_General\G1 COVER SHEET.dwg -Sean Long

CITY OF TURLOCK CONSTRUCTION PLANS FOR ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

CITY PROJECT NO. 25-025 - PACKAGE 1



VICINITY MAP
NOT TO SCALE



SITE MAP
NOT TO SCALE

GENERAL NOTES

1. CITY OF TURLOCK (209)668-5520 SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR EXISTING DISTRICT FACILITIES.
2. USED MATERIAL, REJECTS, MISFITS, OR SECONDS, ETC. ARE NOT ACCEPTABLE FOR USE ON CITY OF TURLOCK FACILITIES.
3. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THESE PLANS, PROJECT SPECIFICATIONS AND CITY OF TURLOCK SPECIFICATIONS.
4. CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING FACILITIES PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) AT 8-1-1. CONTRACTOR SHALL MAKE ENGINEER AWARE OF ANY DISCREPANCIES.
5. ALL CAST-IN-PLACE CONCRETE STRUCTURES SHALL BE FORMED INSIDE AND OUT AND CONCRETE VIBRATED SUFFICIENTLY TO PROVIDE FOR SMOOTH SURFACED WALLS/FLOORS WITHOUT VOIDS AND HONEYCOMBS.
6. CITY OF TURLOCK SHALL INSPECT ALL WORK PHASES ON CONCRETE FACILITIES FOR CONFORMANCE TO CITY OF TURLOCK SPECIFICATIONS. REINFORCING SHALL NOT BE ENCASED IN CONCRETE WITHOUT PRIOR CITY OF TURLOCK INSPECTIONS. LIKEWISE, CONCRETE SHALL NOT BE COVERED WITH EARTH PRIOR TO CITY OF TURLOCK INSPECTION.
7. CONCRETE DESIGN MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALL CONCRETE SHALL HAVE A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE SPECIFIED.
8. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS OF THE STATE OF CALIFORNIA AND CAL/OSHA STANDARDS.
9. TRENCH BACKFILL AND RESERVOIR EMBANKMENTS SHALL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS AND THE GEOTECHNICAL REPORT CONTAINED IN THE SPECIFICATIONS.
10. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ALL PIPELINE CRACKS, WHICH DEVELOP DURING CONSTRUCTION OF IMPROVEMENTS AFFECTING EXISTING FACILITIES.
11. CONCRETE VAULTS AND BOXES MAY BE PURCHASED FROM A PRECAST MANUFACTURER OR CONTRACTOR MAY CONSTRUCT THE STRUCTURES IF STRUCTURAL CALCULATIONS AND DESIGN IS APPROVED BY THE CITY OF TURLOCK AND THE ENGINEER.
12. ALL EXCESS MATERIAL AND/OR DEBRIS SHALL BE REMOVED UPON COMPLETION OF INSTALLATION.
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SHEET LIST TABLE

SHT NO.	SEQ SHT NO.	DESCRIPTION
GENERAL		
G1	1	COVER SHEET
G2	2	LEGEND AND ABBREVIATIONS
G3	3	SURVEY CONTROL
STREET PLAN AND PROFILE		
C1	4	LINWOOD AVE STA 11+00 - 16+00
C2	5	LINWOOD AVE STA 16+00 - 21+00
C3	6	LINWOOD AVE STA 21+00 - 26+00
C4	7	LINWOOD AVE STA 26+00 - 31+00
C5	8	LINWOOD AVE STA 31+00 - 35+00
C6	9	LINWOOD AVE STA 35+00 - 39+00
C7	10	LINWOOD AVE STA 39+00 - 44+00
C8	11	LINWOOD AVE STA 44+00 - 49+00
C9	12	LINWOOD AVE STA 49+00 - 54+00
C10	13	LINWOOD AVE STA 54+00 - 56+50
C11	14	ROCKWOOD AVE STA 70+00 - 73+00
C12	15	ROCKWOOD AVE STA 73+00 - 77+00
C13	16	ROCKWOOD AVE STA 77+00 - 82+00
C14	17	ROCKWOOD AVE STA 82+00 - 85+31.05
C15	18	BAYWOOD LN STA 90+00 - 93+50
C16	19	BAYWOOD LN STA 93+50 - 96+59.48
C17	20	ROSEWOOD DR STA 112+50 - 115+00
C18	21	ROSEWOOD DR STA 115+00 - 120+00
C19	22	ROSEWOOD DR STA 120+00 - 122+04.55
DETAILS		
D1	23	STANDARD DETAILS
D2	24	STANDARD DETAILS
D3	25	STANDARD DETAILS
D4	26	STANDARD DETAILS
D5	27	CIVIL DETAILS
D6	28	CIVIL DETAILS
D7	29	CIVIL DETAILS
D8	30	CIVIL DETAILS
D9	31	SITE DETAILS

SHEET LIST TABLE

SHT NO.	SEQ SHT NO.	DESCRIPTION
D10	32	SITE DETAILS
D11	33	SITE DETAILS
D12	34	SITE DETAILS
D13	35	SITE DETAILS
UTILITIES		
U1	36	LINWOOD AVE STA 11+00 - 21+00
U2	37	LINWOOD AVE STA 21+00 - 31+00
U3	38	LINWOOD AVE STA 31+00 - 39+00
U4	39	LINWOOD AVE STA 39+00 - 49+00
U5	40	LINWOOD AVE STA 49+00 - 54+00
U6	41	ROSEWOOD DR STA 110+50 - 120+00
U7	42	ROSEWOOD DR STA 120+00 - 122+04.55
U8	43	BAYWOOD LN STA 89+75 - 96+59.48
U9	44	ROCKWOOD WAY STA 70+00 - 77+00
U10	45	ROCKWOOD WAY STA 77+00 - 85+31.05
TRAFFIC HANDLING		
TH1	46	CONSTRUCTION PHASING
TH2	47	TRAFFIC HANDLING
TH3	48	TRAFFIC HANDLING
TH4	49	TRAFFIC HANDLING
TH5	50	TRAFFIC HANDLING
TH6	51	TRAFFIC HANDLING
TH7	52	TRAFFIC HANDLING
STRIPING		
S1	53	LINWOOD AVE STA 10+00 - 19+00
S2	54	LINWOOD AVE STA 19+00 - 29+00
S3	55	LINWOOD AVE STA 29+00 - 39+00
S4	56	LINWOOD AVE STA 39+00 - 49+00
S5	57	LINWOOD AVE STA 49+00 - 59+00
S6	58	ROCKWOOD WAY STA 70+00 - 79+00
S7	59	ROCKWOOD WAY STA 79+00 - 85+31.05
S8	60	BAYWOOD LANE STA 90+00 - END
S9	61	ROSEWOOD DR STA 110+00 - 119+00
S10	62	ROSEWOOD DR STA 119+00 - 122+04.55

SPECIAL NOTE

WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL OF THE STRUCTURES WHICH MAY BE ENCOUNTERED.

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TO PROTECT THE LIVES AND HEALTH OF CONTRACTOR'S EMPLOYEES UNDER THE CONTRACT, THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC., AND SHALL MAINTAIN AN ACCURATE RECORD OF ALL CASES OF DEATH, OCCUPATIONAL DISEASE, AND INJURY REQUIRING MEDICAL ATTENTION OR CAUSING LOSS OF TIME FROM WORK, ARISING OUT OF AND IN THE COURSE OF EMPLOYMENT OR WORK UNDER THE CONTRACT.

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TOPOGRAPHY NOTE

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BOUNDARY NOTE

THE BOUNDARY/EASEMENT INFORMATION SHOWN ON THESE PLANS IS BASED UPON RECORD INFORMATION TIED TO PHYSICAL MONUMENTS, AND WAS PREPARED UNDER THE DIRECTION OF MARTY D. HARTWIG, PLS 8469.

PRIMARY VERTICAL BENCHMARK

POINT 1000: A FOUND REBAR AND CAP MARKED CONTROL
LIST ELEVATION:105.949
NOTE: THIS CONTROL WAS ESTABLISHED BY SURVEYS CONDUCTED BY SOMEONE OTHER THAN PROVOST AND PRITCHARD.

APPROVALS

WILLIAM D. MORIS, P.E., P.L.S. — 04/13/2026
CITY ENGINEER — DATE
CITY OF TURLOCK

CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
156 S. BROADWAY, SUITE 150
(209) 668-5520

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BID SET
APRIL 7, 2026

No.	REVISION	BY	DATE

DATE SIGNED:

CITY OF TURLOCK
CONSTRUCTION PLANS FOR ROADS PROGRAM
CAPITAL IMPROVEMENT PROJECT
CITY PROJECT NO. 25-025 - PACKAGE 1
GENERAL
COVER SHEET

PROVOST & PRITCHARD
455 W FIR AVENUE
CLOVIS, CA 93611-5866
PHONE (559) 449-2700
FAX (559) 449-2715
www.provostandpritchard.com

DESIGN ENGINEER: JASON STAICER
LICENSE NO: 86615
DRAFTED BY: SPL, EC
CHECKED BY: TM/JD
DATE: 4/7/2026
JOB NO: —
PROJECT NO: 2292-25-004
PHASE:
0 1"
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET G1
1 OF 62

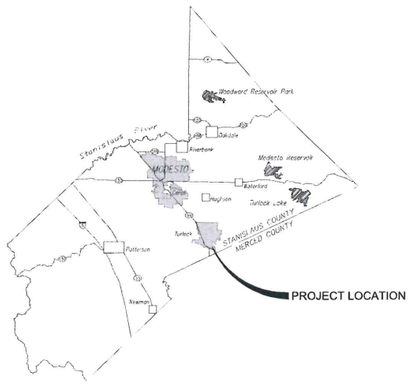
4/7/2026 3:07 PM g:\turlock_city of-2292\2292500\4-linwood road rehab\300 CAD\343 sheet sets p30_General\01 COVER SHEET.dwg Ana Villanueva-Dodgens

811 Know what's below. Call before you dig.

WARNING
POWER LINES OVERHEAD

CITY OF TURLOCK CONSTRUCTION PLANS FOR ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

CITY PROJECT NO. 25-025



VICINITY MAP
NOT TO SCALE



SITE MAP
NOT TO SCALE

GENERAL NOTES

1. CITY OF TURLOCK (209-668-5520) SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR EXISTING DISTRICT FACILITIES.
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7. CONCRETE DESIGN MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALL CONCRETE SHALL HAVE A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE SPECIFIED.
8. ALL STEEL PIPE AND FITTINGS SHALL BE FURNISHED WITH A SHOP APPLIED HIGH SOLIDS EPOXY COATING ON THE INTERIOR AND EXTERIOR, UNLESS OTHERWISE INDICATED. ALL OTHER EXPOSED STEEL SHALL BE PAINTED WITH A PRE-TREATMENT PRIMER, AN UNDERCOAT AND A FINAL COAT OF PAINT IN ACCORDANCE WITH CITY OF TURLOCK SPECIFICATIONS.
9. ALL NUTS, BOLTS, AND WASHERS USED TO SECURE UNDERGROUND FITTINGS SHALL BE STAINLESS STEEL. AFTER INSTALLATION, ALL STEEL HARDWARE SHALL BE COATED WITH A RUST PREVENTATIVE, WRAPPED WITH 4 MIL POLYETHYLENE SHEETING, AND SECURE WITH PVC TAPE.
10. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS OF THE STATE OF CALIFORNIA AND CAL/OSHA STANDARDS.
11. TRENCH BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS AND THE GEOTECHNICAL REPORT CONTAINED IN THE SPECIFICATIONS.
12. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ALL PIPELINE CRACKS, WHICH DEVELOP DURING CONSTRUCTION OF IMPROVEMENTS AFFECTING EXISTING FACILITIES.
13. CONCRETE VAULTS AND BOXES MAY BE PURCHASED FROM A PRECAST MANUFACTURER OR CONTRACTOR MAY CONSTRUCT THE STRUCTURES IF STRUCTURAL CALCULATIONS AND DESIGN IS APPROVED BY THE CITY OF TURLOCK AND THE ENGINEER.
14. ALL EXCESS MATERIAL AND/OR DEBRIS SHALL BE REMOVED UPON COMPLETION OF INSTALLATION.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE DUST CONTROL AT ALL TIMES.

SHEET LIST TABLE

SHT NO.	SEQ SHT NO.	DESCRIPTION
GENERAL		
G1	1	COVER SHEET
G2	2	LEGEND AND ABBREVIATIONS
STREET PLAN AND PROFILE		
C1	3	5TH STREET STA 10+00 - 14+00
C2	4	5TH STREET STA 14+00 - 19+00
C3	5	5TH STREET STA 19+00 - 24+00
C4	6	5TH STREET STA 24+00 - 29+00
C5	7	5TH STREET STA 29+00 - 34+00
C6	8	5TH STREET STA 34+00 - 39+00
C7	9	5TH STREET STA 39+00 - 43+75
C8	10	5TH STREET STA 43+75 - 48+27.78
DETAILS		
D1	11	STANDARD DETAILS
D2	12	STANDARD DETAILS
D3	13	STANDARD DETAILS
D4	14	STANDARD DETAILS
D5	15	CIVIL DETAILS
D6	16	CIVIL DETAILS

SHEET LIST TABLE

SHT NO.	SEQ SHT NO.	DESCRIPTION
D7	17	SITE DETAILS
D8	18	SITE DETAILS
D9	19	SITE DETAILS
D10	20	SITE DETAILS
D11	21	SITE DETAILS
TRAFFIC HANDLING		
TH1	22	TRAFFIC HANDLING LEGEND
TH2	23	TYPICAL TRAFFIC CONTROL PLAN
TH3	24	TRAFFIC HANDLING
TH4	25	TRAFFIC HANDLING
TH5	26	TRAFFIC HANDLING
TH6	27	TRAFFIC HANDLING
TH7	28	TRAFFIC HANDLING
TH8	29	TRAFFIC HANDLING
STRIPING		
S1	30	5TH STREET STA 10+00 - 19+00
S2	31	5TH STREET STA 19+00 - 29+00
S3	32	5TH STREET STA 29+00 - 39+00
S4	33	5TH STREET STA 39+00 - 48+27.78

SPECIAL NOTE

WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL OF THE STRUCTURES WHICH MAY BE ENCOUNTERED.

SITE SAFETY AND PROTECTION NOTES

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THE CONTRACTOR SHALL HAVE AT THE WORK SITE, COPIES OR SUITABLE EXTRACTS OF CONSTRUCTION SAFETY ORDERS, ISSUED BY CAL-OSHA. CONTRACTOR SHALL COMPLY WITH PROVISIONS OF THESE AND ALL OTHER APPLICABLE LAWS, ORDINANCES AND REGULATIONS. THE CONTRACTOR MUST COMPLY WITH PROVISIONS OF THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, PROMULGATED BY THE SECRETARY OF LABOR UNDER SECTION 107 OF THE CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, AS SET FORTH IN TITLE 29 C.F.R.

TO PROTECT THE LIVES AND HEALTH OF CONTRACTOR'S EMPLOYEES UNDER THE CONTRACT, THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC., AND SHALL MAINTAIN AN ACCURATE RECORD OF ALL CASES OF DEATH, OCCUPATIONAL DISEASE, AND INJURY REQUIRING MEDICAL ATTENTION OR CAUSING LOSS OF TIME FROM WORK, ARISING OUT OF AND IN THE COURSE OF EMPLOYMENT OR WORK UNDER THE CONTRACT.

THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR THE SAFETY, EFFICIENCY, AND ADEQUACY OF CONTRACTOR'S FACILITIES, APPLIANCES, AND METHODS AND FOR ANY DAMAGE, WHICH MAY RESULT FROM THEIR FAILURE OR THEIR IMPROPER CONSTRUCTION, MAINTENANCE OR OPERATION.

THE CONTRACTOR AGREES THAT IT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, PROVOST & PRITCHARD CONSULTING GROUP, AND THEIR RESPECTIVE AGENTS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF OWNER, ENGINEER, OR THEIR RESPECTIVE AGENTS.

THE OWNER AND ITS AGENTS' SITE RESPONSIBILITIES ARE LIMITED SOLELY TO THE ACTIVITIES OF THEIR EMPLOYEES ON SITE. THESE RESPONSIBILITIES SHALL NOT BE INFERRED BY ANY PARTY TO MEAN THAT THE OWNER OR ITS AGENTS HAVE RESPONSIBILITY FOR SITE SAFETY. SAFETY IN, ON, OR ABOUT THE SITE IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR ALONE. THE CONTRACTOR'S METHODS OF WORK PERFORMANCE, SUPERINTENDENCE AND THE CONTRACTOR'S EMPLOYEES, AND SEQUENCING OF CONSTRUCTION ARE ALSO THE SOLE AND EXCLUSIVE RESPONSIBILITIES OF THE CONTRACTOR ALONE.

TOPOGRAPHY NOTE

TOPOGRAPHY SHOWN WAS COLLECTED BY PROVOST & PRITCHARD CONSULTING GROUP DURING A FIELD SURVEY CONDUCTED IN JUNE OF 2025.

BOUNDARY NOTE

THE BOUNDARY/EASEMENT INFORMATION SHOWN ON THESE PLANS IS BASED UPON RECORD INFORMATION TIED TO PHYSICAL MONUMENTS, AND WAS PREPARED UNDER THE DIRECTION OF MARTY D. HARTWIG, PLS 8469.

PROJECT BENCHMARK

CONTROL POINT 1000
LIST ELEVATION: 105.949' (TURLOCK BENCHMARK SYSTEM)
DESCRIPTION: A 5/8" REBAR WITH PLASTIC CAP.

APPROVALS

WILLIAM D. MORIS, P.E., P.L.S. — DATE
CITY ENGINEER
CITY OF TURLOCK

CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
156 S. BROADWAY, SUITE 150
(209) 668-5520

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PRELIMINARY
NOT FOR CONSTRUCTION
AUGUST 22, 2025

No.	REVISION	BY	DATE

FOR REVIEW ONLY

CITY OF TURLOCK
CONSTRUCTION PLANS FOR ROADS PROGRAM
CAPITAL IMPROVEMENT PROJECT
CITY PROJECT NO. 25-025
GENERAL
COVER SHEET

PROVOST & PRITCHARD
CONSULTING GROUP
CLOVIS, CA 93611-9166
PHONE (559) 449-2700
FAX (559) 449-2715
www.provostandpritchard.com

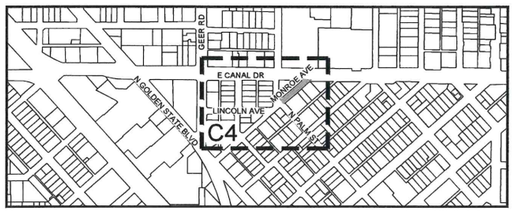
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LICENSE NO: 86615
DRAFTED BY: SPL, EC
CHECKED BY: MLO/JD
DATE: 08/22/2025
JOB NO: 25-025
PROJECT NO: 25-025
PHASE: ---
0 ——— 1"
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET G1
1 OF 33

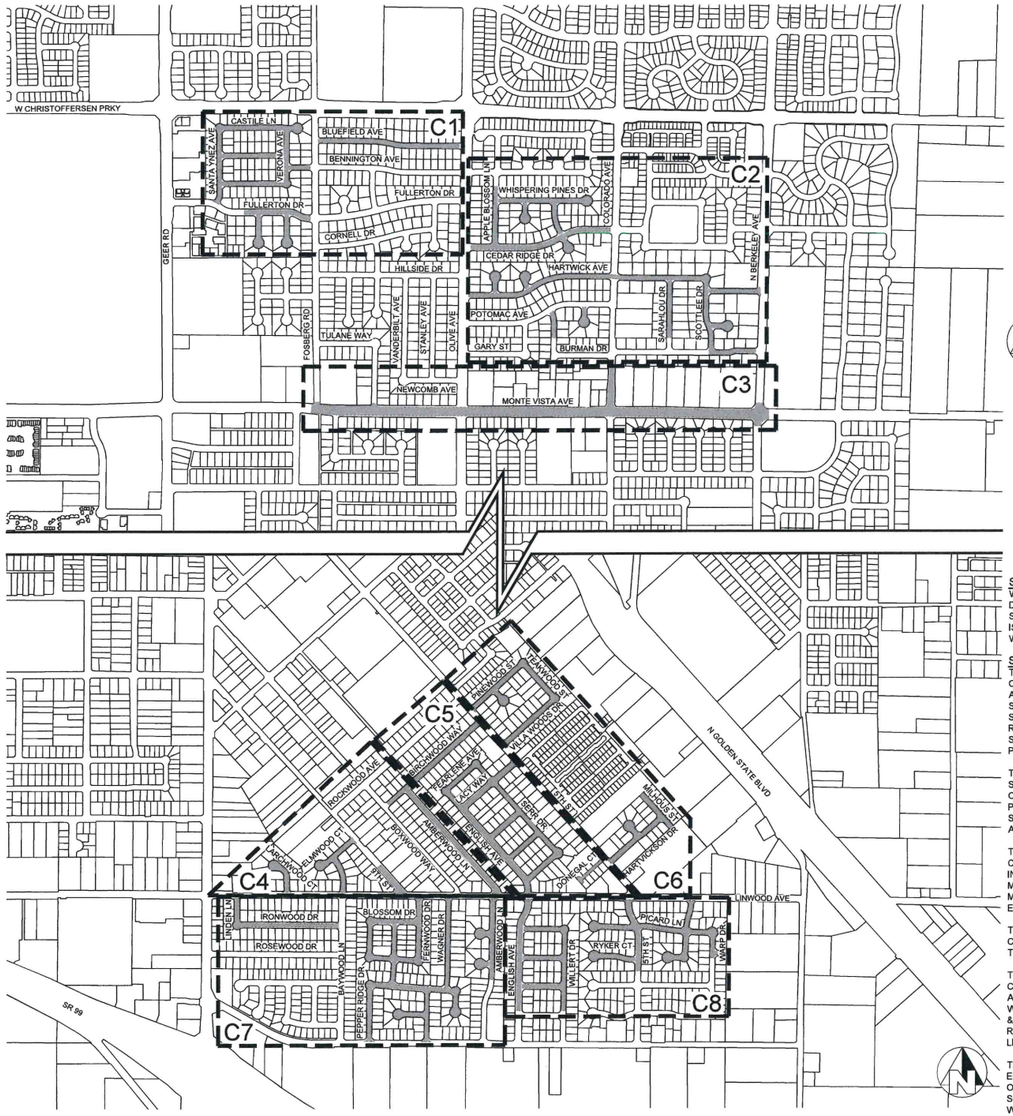
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CITY OF TURLOCK

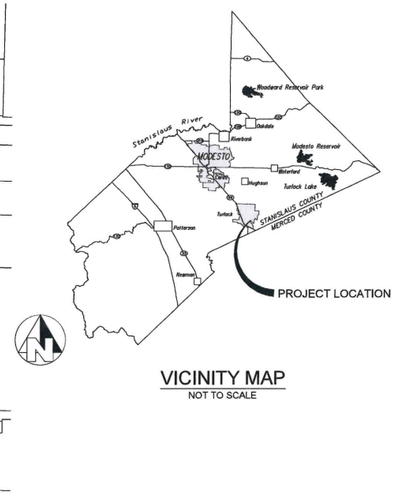
TURLOCK, CA

CITY OF TURLOCK 2025 CRACK SEAL AND SLURRY SEAL PROJECT





SITE MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

GENERAL NOTES

1. CITY OF TURLOCK (209)668-5520 SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR EXISTING DISTRICT FACILITIES.
2. USED MATERIAL, REJECTS, MISFITS, OR SECONDS, ETC. ARE NOT ACCEPTABLE FOR USE ON CITY OF TURLOCK FACILITIES.
3. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THESE PLANS, PROJECT SPECIFICATIONS AND CITY OF TURLOCK SPECIFICATIONS.
4. CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING FACILITIES PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) AT 8-1-1. CONTRACTOR SHALL MAKE ENGINEER AWARE OF ANY DISCREPANCIES.
5. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS OF THE STATE OF CALIFORNIA AND CALOSHA STANDARDS.
6. ALL EXCESS MATERIAL AND/OR DEBRIS SHALL BE REMOVED UPON COMPLETION OF INSTALLATION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE DUST CONTROL AT ALL TIMES.
8. ALL EXISTING STRIPING, PAVEMENT MARKINGS, AND RAISED MARKERS SHALL BE REMOVED PRIOR TO APPLYING SLURRY SEAL.
9. STRIPING AND SHADED AREAS TO BE SEALED ARE DIAGRAMMATIC ONLY. SLURRY SEAL SHALL BE PLACED BETWEEN THE LIP OF GUTTERS, ENTIRE CUL-DE-SAC AND BIKE PATH WIDTH AND SHALL END AT CURB RETURNS, UNLESS OTHERWISE NOTED.
10. CRACK TREATMENT – CRACK TREATMENT WORK SHALL CONFORM TO TYPE 2 PER SECTION 37-6 "CRACK TREATMENTS" OF THE CALTRANS STANDARD SPECIFICATIONS. CRACK TREATMENT SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 72 HOURS PRIOR TO APPLYING PAVEMENT SURFACE TREATMENT. IF THE CRACK TREATMENT MATERIAL IS ACCEPTED BASED ON A CERTIFICATE OF COMPLIANCE, QUALITY ASSURANCE TESTING IS NOT REQUIRED BY THE CITY. IF THE MATERIAL IS NOT ACCEPTED BASED ON A CERTIFICATE OF COMPLIANCE, THE CITY WILL PERFORM QUALITY ASSURANCE TESTING PER SECTION 37-6.01D OF THE CALTRANS STANDARD SPECIFICATIONS.
11. SLURRY SEAL – SLURRY SEAL SHALL CONFORM TO TYPE II PER THE PROVISIONS IN SECTIONS 37-3 "SLURRY SEAL" OF THE CALTRANS STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. THE SLURRY SEAL AREA SHALL BE CONSIDERED AS THE ENTIRE WIDTH OF THE ROADWAY AND SHALL EXTEND THE FULL LENGTH OF THE STREET TO THE LIMITS OF THE ADJACENT STREET UNLESS OTHERWISE INDICATED. ASPHALTIC EMULSION SHALL BE, AT THE OPTION OF CONTRACTOR, TYPE PMQS1H OR PMCQS1H AND SHALL CONFORM TO THE REQUIREMENTS IN SECTION 94, "ASPHALTIC EMULSIONS" OF THE CALTRANS STANDARD SPECIFICATIONS.
12. CURB RAMP GRINDING – CONTRACTOR SHALL GRIND THE EXISTING ASPHALT CONCRETE AT EACH CURB RAMP OPENING PRIOR TO PLACEMENT OF SLURRY SEAL SUCH THAT NO MORE THAN 1/4" OF MATERIAL REMAINS ABOVE THE TOE OF THE GUTTER AFTER PLACEMENT OF THE SLURRY SEAL.
13. TEMPORARY PAVEMENT STRIPING AND MARKINGS – THE CONTRACTOR SHALL FURNISH, PLACE, MAINTAIN AND REMOVE TEMPORARY MARKINGS (TAPE) IN ACCORDANCE WITH INDUSTRY STANDARD ACCEPTED PRACTICES. NOTHING IN THESE SPECIAL PROVISIONS SHALL BE CONSTRUED AS TO REDUCE THE MINIMUM STANDARDS SPECIFIED IN THE CALIFORNIA MUTCD FOR STREETS AND HIGHWAYS. TEMPORARY PAVEMENT DELINEATION SHALL NOT BE APPLIED OVER EXISTING MARKINGS, AND SHALL BE MAINTAINED UNTIL REPLACED WITH PERMANENT ONE. TEMPORARY PAVEMENT MARKINGS CONFLICTING WITH NEW TRAFFIC PATTERN SHALL BE PROMPTLY REMOVED, OR REMOVED AS DIRECTED BY THE ENGINEER.
14. THERMOPLASTIC STRIPING AND MARKINGS – ALL TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL CONFORM TO CALTRANS SECTION 84 "MARKINGS", OF THE CALTRANS STANDARD SPECIFICATIONS. PERMANENT THERMOPLASTIC STRIPING AND MARKINGS IN A GIVEN AREA SHALL BE PLACED NO MORE THAN SEVEN (7) CALENDAR DAYS AFTER THE COMPLETION OF PAVING WORK IN THAT GIVEN AREA. TRAFFIC STRIPING SHALL BE MEASURED BY THE LINEAR FOOT, RESPECTIVE TO THE DETAIL ON THE CALTRANS STANDARD PLANS. PAVEMENT MARKINGS SHALL BE MEASURED BY THE SQUARE FOOT IN ACCORDANCE WITH THE CALTRANS STANDARD PLANS.
15. PAVEMENT MARKERS – ALL PAVEMENT MARKERS SHALL CONFORM TO SECTION 84, "MARKINGS", OF THE CALTRANS STANDARD SPECIFICATIONS. CONTRACTOR SHALL INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKERS (TYPE BB) TO MARK FIRE HYDRANT LOCATIONS. THE BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED 6 INCHES FROM THE CENTERLINE STRIPE OR APPROXIMATELY CENTER OF THE PAVEMENT WHERE THERE IS NO CENTERLINE STRIPE ON THE SIDE NEAREST TO THE HYDRANT. PAVEMENT MARKER IN A GIVEN AREA SHALL BE PLACED NO MORE THAN SEVEN (7) CALENDAR DAYS AFTER COMPLETION OF PAVING WORK IN THAT GIVEN AREA.
16. STREET SWEEPING – AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF VACUUMING AND SWEEPING, THE CONTRACTOR SHALL POST ALL PARKING AREAS THAT ARE WORKED UPON WITH APPROVED, "NO PARKING - TOW AWAY" SIGN. THESE SIGNS SHALL ALSO STATE THE DAY OF THE WEEK AND HOURS OF NO PARKING. A COPY OF SAID NOTICE SHALL BE SUPPLIED TO THE CITY AT THE PRE-CONSTRUCTION MEETING. CONTRACTOR SHALL SUBMIT A STREET SWEEPING SCHEDULE FOR THE CITY'S REVIEW. THOROUGHLY VACUUM AND SWEEP ALL SLURRY PAVEMENTS PRIOR TO STRIPING, OR 2 WEEKS AFTER THE SLURRY SEAL PLACEMENT, WHICHEVER IS SOONER. THOROUGHLY VACUUM AND SWEEP ALL SLURRY PAVEMENTS 2 WEEKS AFTER STRIPING.
17. FINAL CLEAN-UP – UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT, DEBRIS, AND SHALL LEAVE THE SITE IN A NEAT CLEAN CONDITION TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL CLEAN THE AREA OF ALL CONSTRUCTION RELATED MATERIALS AND SWEEP THE ENTIRE PROJECT AREA INCLUDING SIDEWALK AND GUTTER THOROUGHLY. ALL CONSTRUCTION SIGNS, CONES, BARRICADES, AND CONFLICTING MARKINGS SHALL BE REMOVED.

SPECIAL NOTE

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SHEET LIST TABLE

SHT NO.	SEQ SHT NO.	DESCRIPTION
	GENERAL	
G1	1	COVER SHEET
	STREET PLAN	
C1	2	STREET PLAN
C2	3	STREET PLAN
C3	4	STREET PLAN
C4	5	STREET PLAN
C5	6	STREET PLAN
C6	7	STREET PLAN
C7	8	STREET PLAN
C8	9	STREET PLAN
	DETAIL	
D1	10	STANDARD DETAILS

APPROVALS

WILLIAM D. MORIS, P.E., P.L.S. — DATE
CITY ENGINEER
CITY OF TURLOCK

CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
156 S. BROADWAY, SUITE 150
(209) 668-5520

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No.	REVISION	BY	DATE

BID SET
03/06/2026

DATE SIGNED: 03-06-26

CITY OF TURLOCK 2025 CRACK SEAL AND SLURRY SEAL PROJECT
CITY OF TURLOCK
TURLOCK, CA
GENERAL
COVER SHEET

PROVOST & PRITCHARD
455 W FIFTH AVENUE
CHICO, CALIFORNIA 95926
PHONE (559) 449-2700
FAX (559) 449-2715
www.provostandpritchard.com

DESIGN ENGINEER: JASON STAICER
LICENSE NO: 86615
DRAFTED BY: AYV
CHECKED BY: DL
DATE: 03/06/2026
JOB NO: 2292-25-005
PROJECT NO:
PHASE:
0 1"
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET G1
1 OF 10

3/6/2026 3:39 PM G:\Turlock_City of\2292\2292025005-Crack and Slurry Seal\300 CAD\340 Sheet Set\01_General\G1-COVER SHEET.dwg -Aaron Maraglia

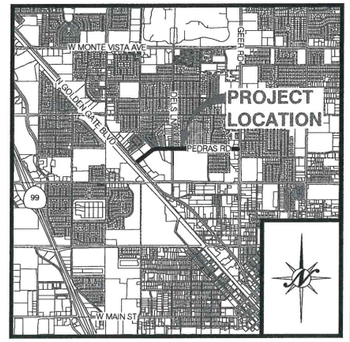
APPENDIX B: PROJECT VICINITY MAPS

PART 2 - RECENTLY CONSTRUCTED PROJECTS UNDER WARRANTY

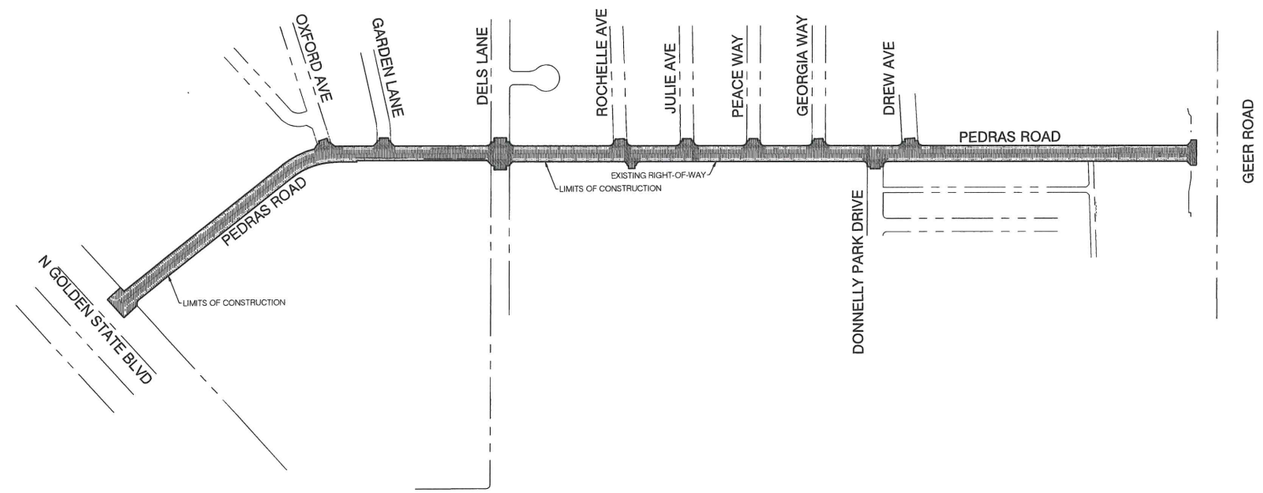
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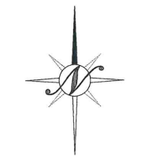
	EXISTING	PROPOSED
BOUNDARY LINE		
CENTERLINE		
RIGHT-OF-WAY		
PARCEL LINE		
MONUMENT	N/A	
SAWCUT	N/A	
CURB, GUTTER AND SIDEWALK		
EDGE OF PAVEMENT		
CONCRETE VALLEY GUTTER	N/A	
TRENCH DRAIN	N/A	
STORM DRAIN (MAIN)	6x12"SD	12"SD
FORCE MAIN	6x48"FM	48"FD
DRAINAGE SWALE		
STORM DRAIN MAINTENANCE HOLE	SD	SD
CURB INLET		
DRAIN INLET		
DRAIN INLET ON MAINTENANCE HOLE		
STORM DRAINAGE FILTER	N/A	
WATER (MAIN)	6x8"W	8"W
WATER (SERVICE)	6x8"W	8"W
WATER VALVE	WV	WV
WATER BLOW OFF VALVE	BO	BO
BACK FLOW PREVENTER	BFP	BFP
POST INDICATOR VALVE (SINGLE)	PIV	PIV
FIRE DEPARTMENT CONNECTION	FDCY	FDCY
FIRE HYDRANT		
FIRE SPRINKLER RISER	N/A	FSR
WATER METER	WM	WM
REDUCED PRESSURE PRINCIPLE DETECTOR ASSEMBLY	N/A	RPPA
SINGLE CHECK DETECTOR ASSEMBLY	N/A	SCDA
SERVICE STUB	N/A	
CLEANOUT		
SEWER MAINTENANCE HOLE		S
GREASE TRAP	N/A	
SEWER (MAIN)	6x12"SS	12"SS
JOINT TRENCH (APPROX LOCATION)		N/A
TRANSFORMER (APPROX LOCATION)	N/A	
OVER HEAD ELECTRICAL		N/A
SERVICE POLE	SP	N/A
JOINT POLE	JP	N/A
JOINT POLE WITH LIGHT	JPG	N/A
POWER POLE	PP	N/A
TELEPHONE POLE	TP	N/A
GUY		N/A
ELECTRICAL MANHOLE		N/A
ELECTROLIER		
UTILITY BOX		
GAS LINE	G	N/A
GAS VALVE	GV	N/A
FINISH FLOOR ELEVATION (PROPOSED)	N/A	FF=0000.00
BUILDING PAD	N/A	110.0
TOP OF CURB ELEVATION	68.34 TC	68.34 TC
ORIGINAL GROUND	106.82	N/A
DIRECTION OF FLOW	3.0%	3.0%
CONTOURS	32	32
WALL (SEE LABEL FOR TYPE)		
FENCE (CHAINLINK OR VINYL)		
FENCE (WIRE OR HOGWIRE)		
FENCE (WOOD OR WROUGHT IRON)		
FENCE (SPLIT RAIL)		
TREE OR SHRUB		N/A
TREE STUMP		N/A
IRRIGATION LINE	6"x48"IRR	
IRRIGATION VALVE	ICV	N/A
IRRIGATION PRESSURE MANHOLE/VENT		
SIGN		
PERCOLATION TEST LOCATION	N/A	P-X
R-VALUE SAMPLE LOCATION	N/A	RV-X
CORE SAMPLE LOCATION	PDX	N/A
KEYNOTE SYMBOL	X	X

CIVIL IMPROVEMENT PLANS FOR
CITY OF TURLOCK PROJECT NO. 21-021 (099)
PEDRAS ROAD REHABILITATION
TURLOCK, CALIFORNIA



VICINITY MAP
NTS





ABBREVIATIONS

±	PLUS OR MINUS (NOT EXACT)	DR	DRIVE	MH	MAINTENANCE HOLE	RPBP	REDUCED PRESSURE
@	AT	DW	DRIVEWAY	MIN	MINIMUM		BACKFLOW PREVENTER
AB	AGGREGATE BASE	E	EAST	N	NORTH	S	SLOPE OR SOUTH
AC	ASPHALT CONCRETE	EC	END OF CURVE	NDS	NDS INC. (MANUFACTURER)	SC	STANISLAUS COUNTY
ACC	ACCESSIBLE	EM	ELECTRIC METER	NIC	NOT INCLUDED	SCDA	SINGLE CHECK DETECTOR
ADTT	AVERAGE DAILY TRUCK TRAFFIC	ELC	ELECTROLIER	NSE	NORTHSTAR ENGINEERING		ASSEMBLY
AG	ATRIUM GRATE	ELEV	ELEVATION	NTS	NOT TO SCALE	SD	STORM DRAIN
ALT	ALTERNATE	EP	EDGE OF PAVEMENT	OC	ON CENTER	SG	SUB-GRADE
APN	ASSESSORS PARCEL NUMBER	ER	END OF RETURN	OF	OFFSET	SHT	SHEET
ASR	AUTOMATIC SPRINKLER RISER	ESMT OR EASE	EASEMENT	OG	ORIGINAL GROUND / GRADE	SIM	SIMILAR
AVE	AVENUE	EX OR EXIST	EXISTING	OHE	OVER HEAD ELECTRIC	SNS	STREET NAME SIGN
BC	BEGIN CURVE	FDC	FIRE DEPARTMENT CONNECTION	P OR PAV	PAVEMENT	ST	STREET
BDRY	BOUNDARY	FES	FLARED END SECTION	PCC	POINT OF COMPOUND CURVE OR PORTLAND CEMENT CONCRETE	STL	STEEL
BFP	BACK FLOW PREVENTOR	FF	FINISH FLOOR			STA	STATION
BK	BOOK	FG	FINISH GRADE	PG	PAGE	STD	STANDARD
BM	BENCH MARK	FH	FIRE HYDRANT	PG&E	PACIFIC GAS AND ELECTRIC	SW OR SW	SIDEWALK
BW	BACK OF WALK	FL	FLOW LINE	PIV	PRESSURE INDICATOR VALVE	SS	SANITARY SEWER
BSL	BUILDING SETBACK LINE	FM	FORCE MAIN	PL	PROPERTY LINE	TC	TOP OF CURB
BVC	BEGIN VERTICAL CURVE	FS	FIRE SERVICE	PM	PARCEL MAP	TD	TRENCH DRAIN
CC	CONCRETE	FSR	FIRE SPRINKLER RISER	POC	POINT OF CONNECTION	TDC	TOP OF DRIVE OVER CURB
C&G OR C.G.	CURB AND GUTTER	GB	GRADE BREAK	PP	POWER POLE	TEMP	TEMPORARY
CB	CATCH BASIN	GR	GRATE, GRADE, OR GROUND	PRC	POINT OF REVERSE CURVATURE	TG	TOP OF GRATE
CDS	CONTINUOUS DEFLECTION SEPARATORS	GS	GROUND SHOT ELEVATION	PROF	PROFILE	THRU	THROUGH
		GS@W	GROUND SHOT AT WALL	PT	POINT	TI	TRAFFIC INDEX
CIP	CAST IRON PIPE	GV	GATE VALVE	PTDF	PRESSURE TREATED DOUGLAS FIR	TID	TURLOCK IRRIGATION DISTRICT
℄ OR CL	CENTER LINE	HORIZ	HORIZONTAL	PUE	PUBLIC UTILITY EASEMENT	TW	TOP OF WALL
CMP	CORRUGATED METAL PIPE	HP	HIGH POINT	PVC	POLYVINYL CHLORIDE PIPE	TPE	TREE PLANTING EASEMENT
CO	CLEAN OUT	HPS	HIGH PRESSURE SODIUM	RW	RECLAIMED WATER	TVC	TOP OF VERTICAL CURB
COMP.	COMPACTION	HT	HEIGHT	R/W	RIGHT-OF-WAY	TYP	TYPICAL
CONC OR CC	CONCRETE	HWY	HIGHWAY	R	RADIUS	UON	UNLESS OTHERWISE NOTED
C.O.T	CITY OF TURLOCK	ID	INSIDE DIAMETER	RC	RELATIVE COMPACTION	VERT	VERTICAL
CR	CURB RETURN	INV	INVERT	RCP	REINFORCED CONCRETE PIPE	VCP	VITRIFIED CLAY PIPE
CT.	COURT	IRR	IRRIGATION	R.D.	RELATIVE DENSITY	W	WATER OR WEST
CV	CHECK VALVE	LF	LINEAL FEET OR LINEAR FEET	RD	ROAD	WM	WATER METER
DDCV	DOUBLE DETECTOR CHECK VALVE	LN	LANE	RET	RETURN	WS	WATER SERVICE
DI	DRAIN INLET	LP	LOW POINT	RPDA	REDUCED PRESSURE DETECTOR ASSEMBLY	WY	WAY
DIA	DIAMETER	LT	LEFT			W/	WITH
DIP (DOM)	DUCTILE IRON PIPE DOMESTIC	JT	JOINT TRENCH	RV	RESISTANCE VALUE	WWF	WELDED WIRE FABRIC
		MAX	MAXIMUM				

APPROVALS

APPROVED BY THE CITY OF TURLOCK.

8/9/23

WILLIAM D. MORRIS, RCE 55910 — APPROVAL DATE
CITY ENGINEER

REGISTERED PROFESSIONAL ENGINEER — WILLIAM D. MORRIS — No. 55910 — CIVIL — STATE OF CALIFORNIA

PREPARED FOR

CLIENT:
CITY OF TURLOCK
156 S. BROADWAY, SUITE 150
TURLOCK, CA 95380
P: (209) 668-5021
CONTACT:
RANDALL JONES

PROJECT LOCATION

SITE ADDRESS
PEDRAS ROAD
TURLOCK, CA 95382

BENCHMARK

ELEVATION: 102.867'
BM
CITY OF TURLOCK BENCHMARK NO. 10-1-2, BRASS PLUG SE CORNER ON PEDRAS AT DONNELLY PARK DR.

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2.	C1.2	GENERAL NOTES, SPECIFICATIONS, DETAILS, AND CROSS SECTIONS
3.	C1.3	DETAILS AND CROSS SECTIONS
4.	C1.4	DETAILS AND CROSS SECTIONS
5.	C1.5	DETAILS AND CROSS SECTIONS
6.	C1.6	DETAILS AND CROSS SECTIONS
7.	C1.7	OVERALL KEY MAP
		SITE PLANS
8.	C2.1	TOPOGRAPHIC AND DEMOLITION PLAN
9.	C2.2	TOPOGRAPHIC AND DEMOLITION PLAN
10.	C2.3	TOPOGRAPHIC AND DEMOLITION PLAN
11.	C2.4	TOPOGRAPHIC AND DEMOLITION PLAN
12.	C2.5	TOPOGRAPHIC AND DEMOLITION PLAN
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14.	C3.2	DIMENSION AND STRIPING PLAN
15.	C3.3	DIMENSION AND STRIPING PLAN
16.	C3.4	DIMENSION AND STRIPING PLAN
17.	C3.5	DIMENSION AND STRIPING PLAN
18.	C4.1	GRADING AND DRAINAGE PLAN
19.	C4.2	GRADING AND DRAINAGE PLAN
20.	C4.3	GRADING AND DRAINAGE PLAN
21.	C4.4	GRADING AND DRAINAGE PLAN
22.	C4.5	GRADING AND DRAINAGE PLAN
23.	C5.1	COMPOSITE UTILITY PLAN
24.	C5.2	COMPOSITE UTILITY PLAN
25.	C5.3	COMPOSITE UTILITY PLAN
26.	C5.4	COMPOSITE UTILITY PLAN
27.	C6.1	EROSION CONTROL PLAN
28.	C6.2	EROSION CONTROL NOTES AND DETAILS

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CALL BEFORE YOU DIG — 811 or 1-800-227-2600

REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER R. RUDEEN — 08/07/23 — CIVIL — STATE OF CALIFORNIA

NO.	DESCRIPTIONS	DATE	APPROVED

REVISIONS

COVER SHEET

CIVIL IMPROVEMENT PLANS FOR
PEDRAS ROAD REHABILITATION
TURLOCK CALIFORNIA

NorthStar
Engineering Group, Inc.
• CIVIL ENGINEERING • SURVEYING • PLANNING •
620 12th Street Modesto, CA 95354
(209) 524-3535 Phone (209) 524-3526 Fax

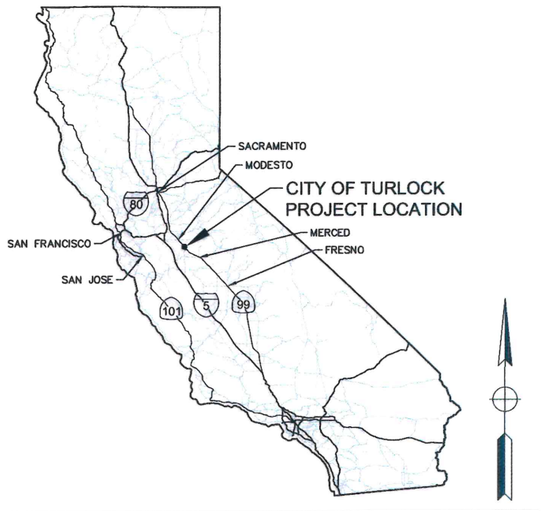
JOB #:	21-2896
DATE:	8/4/2023
SCALE:	AS SHOWN
DRAWN:	FSE/NJM
DESIGN:	CRW
CHKD:	JPE

SHEET NUMBER
C1.1

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Walk\Civil\Sheet Files\Sheet Files\Sheets Files\C1.1.DWG.dwg

CITY OF TURLOCK

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT
VARIOUS LOCATIONS
PACKAGE 1



VICINITY MAP NTS

CONTACTS

CITY OF TURLOCK PUBLIC WORKS
(209) 668-5484 MANUEL QUINTERO, mquintero@turlock.ca.us

CITY OF TURLOCK ELECTRICAL
(209) 678-5823 DOYLE PERRY, dperry@turlock.ca.us

CITY OF TURLOCK STORM AND SEWER
(209) 345-2169 CARLOS GUERRERO, cguerrero@turlock.ca.us

CITY OF TURLOCK WATER
(209) 740-3868 ORLANDO GUITERREZ, ogutierrez@turlock.ca.us

TURLOCK IRRIGATION DISTRICT (ELECTRICAL)
(209) 605-0945 DAVID PORATH, dnporath@tid.org

TURLOCK IRRIGATION DISTRICT (IRRIGATION)
(209) 535-1882 TODD TROGLIN, trtroglin@tid.org

CHARTER COMMUNICATIONS
(209) 633-3303 ABRAHAM ZAMORA, abraham.zamora@charter.com

PACIFIC GAS & ELECTRIC (GAS)
(209) 470-0697 DAVID LOOMIS, d1lo@pge.com

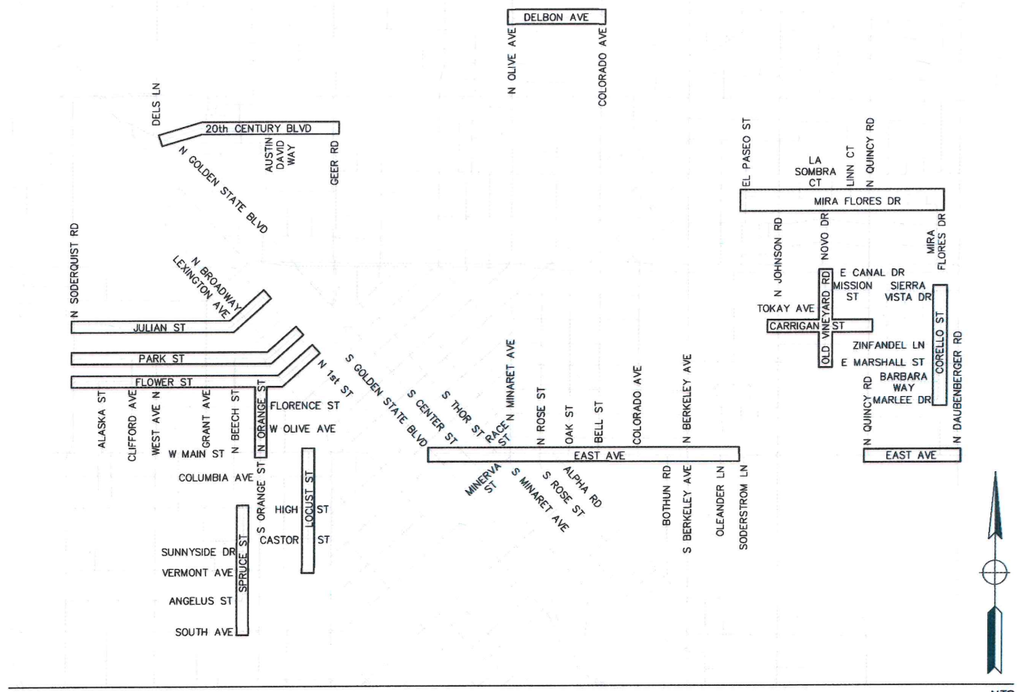
AT&T
(209) 549-5847 SHARON DINNELL, sd1568@att.com

FIRE DEPARTMENT (NON-EMERGENCY)
(209) 668-5580

POLICE DEPARTMENT (NON-EMERGENCY)
(209) 668-1200

AMBULANCE
(209) 632-2271

TURLOCK SCAVENGER
(209) 668-7274



PROJECT LOCATION MAP NTS

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11	K-01	KEY MAP
12-45	L-01 - L-34	PLAN
46-68	DU-01 - DU-23	DRAINAGE PLAN
69	DU-24	DRAINAGE DETAILS
70-79	TC-01 - TC-10	TRAFFIC CONTROL
80-105	TD-01 - TD-26	TRAFFIC DETOUR
106-124	SS-01 - SS-19	SIGNING AND STRIPING PLAN
125-129	CD-01 - CD-05	CONSTRUCTION DETAILS
N/A	CD-06	N/A OMITTED - SHEET NOT USED
130-135	CD-07 - CD-12	CONSTRUCTION DETAILS - CURB RAMP
N/A	CD-13 - CD-14	N/A OMITTED - SHEETS NOT USED
136-165	CD-15 - CD-44	CONSTRUCTION DETAILS - INTERSECTION
166	CD-45	CONSTRUCTION DETAILS
167-169	Q-01 - Q-03	SUMMARY OF QUANTITIES

CIVIL IMPROVEMENT LIMITS

THE CITY OF TURLOCK'S CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT WILL IMPROVE THE EXISTING ROADWAY SEGMENTS THROUGH VARIOUS PROCESSES AT SEVERAL LOCATIONS IN THE CITY OF TURLOCK, CALIFORNIA.

GOVERNING CODES AND ADOPTED STANDARDS

ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT CITY OF TURLOCK STANDARD SPECIFICATIONS AND DRAWINGS; THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT AND THE LATEST EDITION OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS. CITY OF TURLOCK STANDARD DRAWINGS ARE AVAILABLE AT THE OFFICE OF THE CITY ENGINEER.

CITY OF TURLOCK APPROVAL

NANDA K. GOTTIPARTHY, P.E.
CONTRACT CITY ENGINEER

DATE 3/6/2023

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

COVER SHEET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION
AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. C-01

SHEET: 1 OF 169

22-001-P1-01-C-01.dwg

10/26/2022 4:36:47 PM

CITY OF TURLOCK

CONSTRUCTION PLANS FOR

ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

CITY PROJECT NO. 23-031

PLAN PACKAGE 1

MISSION ST: N QUINCY RD TO OLD VINEYARD RD

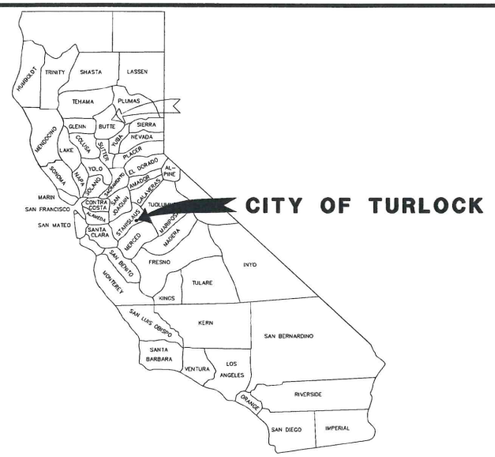
TOKAY AVE: N QUINCY RD TO N JOHNSON RD

N QUINCY RD: E MARSHALL ST TO E CANAL DR

SUPPLEMENTED BY CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2023 & CITY OF TURLOCK ENGINEERING DESIGN STANDARD SPECIFICATIONS AND DRAWINGS DATED 2016.

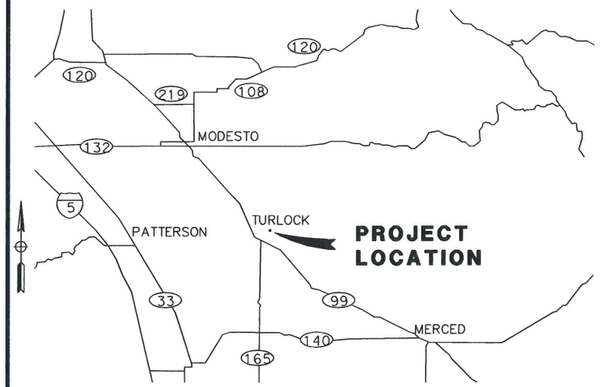
SHEET INDEX

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5	K-1	KEY MAP
6	X-1	TYPICAL SECTION
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32-41	G-1 TO G-10	GRADING PLANS
42-49	TH-1 TO TH-8	TRAFFIC HANDLING PLANS
50-54	SS-1 TO SS-5	SIGNING AND STRIPING



CALIFORNIA STATE MAP

NO SCALE

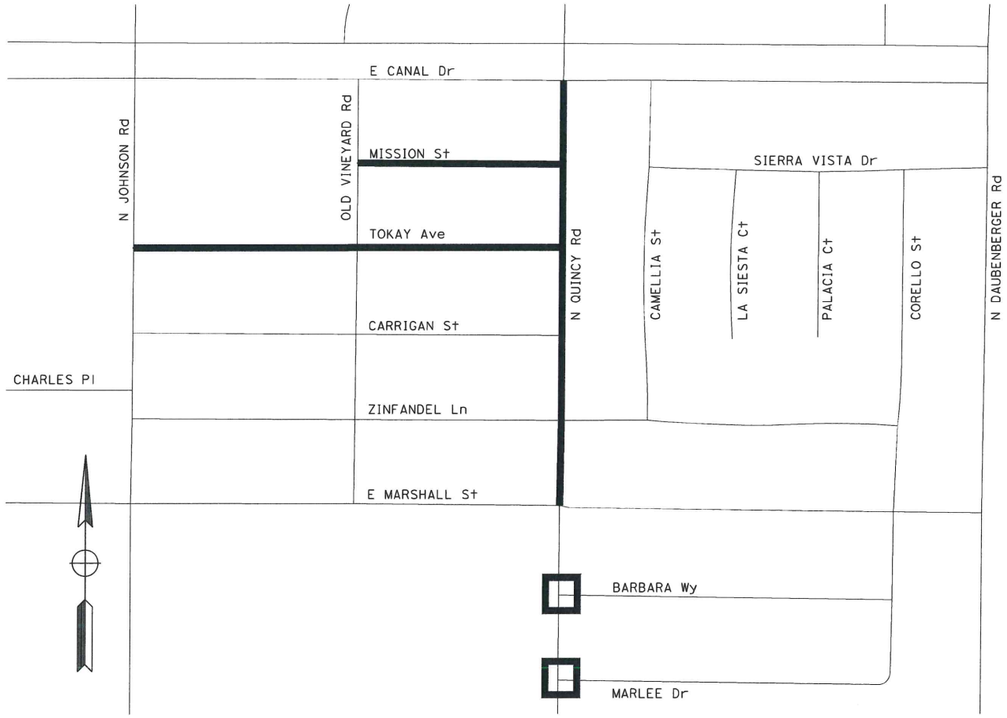


VICINITY MAP

NO SCALE

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL CALL "UNDERGROUND SERVICE ALERT" (USA) AT 811 AT LEAST 2 WORKING DAYS PRIOR TO PERFORMING ANY EXCAVATION



PROJECT LOCATION MAP

CITY OF TURLOCK APPROVAL

4/2/2024

WILLIAM D. MORRIS, P.E., P.L.S — DATE
CITY ENGINEER
PUBLIC WORKS DEPARTMENT

UTILITY CONTACTS

UTILITY	CONTACT	PHONE
AT&T	JIM JELLEY	(209) 507-1689
CHARTER COMMUNICATIONS	MITCHELL RODRIQUEZ	(408) 612-7569
TID ELECTRICAL	DAVID PORATH	(209) 605-0945
TID IRRIGATION	TODD TROGLIN	(209) 535-1882
CITY OF TURLOCK ELETRICAL	DOYLE PERRY	(209) 678-5823
CITY OF TURLOCK STORM AND SEWER	CARLOS GUERRERO	(209) 345-2169
CITY OF TURLOCK WATER	ORLANDO GUITERREZ	(209) 740-3868
PG&E	TRENT MILLSAP	(209) 561-6070

DESIGNED BY:	ANGEL P.
DRAWN BY:	ANGEL P.
CHECKED BY:	JON H.
SCALE:	AS SHOWN
DATE:	3/26/2024
JOB NO.:	23-00109

NOTE:
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USA NORTH 811 Call 811 Before You Dig

SCALE 20 0 20 40

REGISTERED PROFESSIONAL ENGINEER JONATHAN VINCENT HERNANDEZ No. 85662 Exp. 10/31/24 CIVIL STATE OF CALIFORNIA

MARK THOMAS
701 UNIVERSITY AVENUE, SUITE 200
SACRAMENTO, CALIFORNIA 95825
(916) 381-9100 FAX:(916)381-9180
markthomas.com

CITY OF TURLOCK
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY SUIT 150
(209) 668-5520

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
ROADS PROGRAM - CIP
TITLE SHEET

Sheet 1 of 54 Sheets

T-1

CITY OF TURLOCK

CONSTRUCTION PLANS FOR

ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

CITY PROJECT NO. 23-031

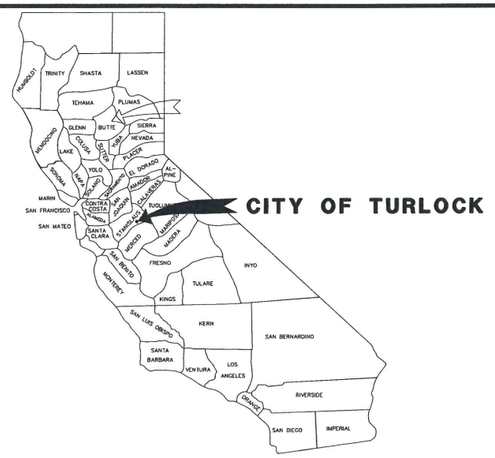
PLAN PACKAGE 2

EL CAPITAN DR:	N BERKELEY AVE TO MURPHY DR
KENNETH DR:	N BERKELEY AVE TO EAST END
EL CAMINO DR:	EL PASEO DR TO N JOHNSON RD N JOHNSON RD TO MURPHY DR
LA LINDA CT:	EL CAPITAN DR TO EL CAPITAN DR
N QUINCY RD:	E CANAL DR TO MARIE DR
MURPHY DR:	E CANAL DR TO MIRA FLORES DR

SUPPLEMENTED BY CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2023 & CITY OF TURLOCK ENGINEERING DESIGN STANDARD SPECIFICATIONS AND DRAWINGS DATED 2016.

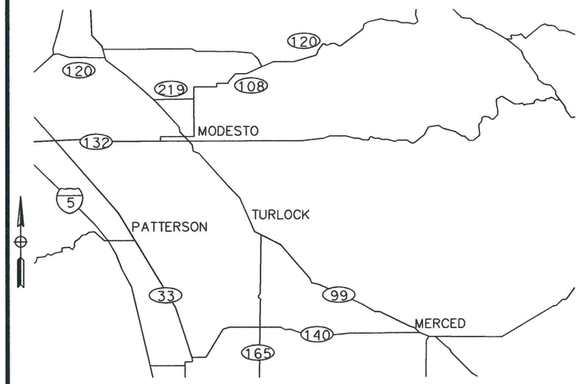
SHEET INDEX

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59-83	G-1 TO G-25	GRADING PLANS
84-96	TH-1 TO TH-13	TRAFFIC HANDLING PLANS
97-107	SS-1 TO SS-11	SIGNING AND STRIPING



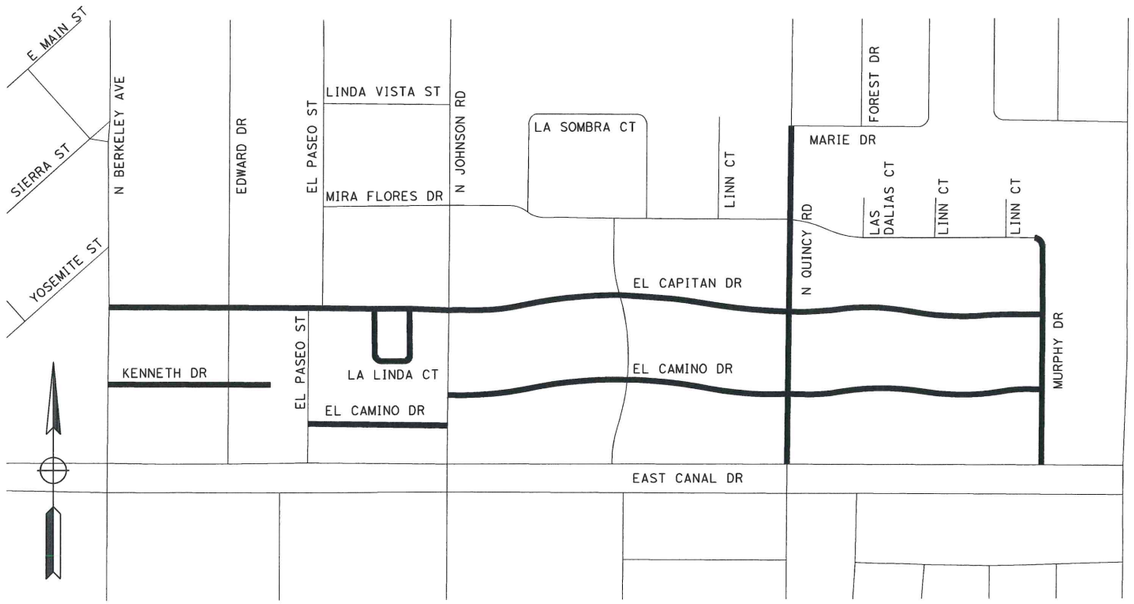
CALIFORNIA STATE MAP

NO SCALE



VICINITY MAP

NO SCALE



PROJECT LOCATION MAP

CITY OF TURLOCK APPROVAL

4/4/2024

WILLIAM D. MORRIS, P.E., P.L.S — DATE
CITY ENGINEER
PUBLIC WORKS DEPARTMENT

UTILITY CONTACTS

UTILITY	CONTACT	PHONE
AT&T	JIM JELLEY	(209) 507-1689
CHARTER COMMUNICATIONS	MITCHELL RODRIQUEZ	(408) 612-7569
TID ELECTRICAL	DAVID PORATH	(209) 605-0945
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CITY OF TURLOCK ELETRICAL	DOYLE PERRY	(209) 678-5823
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CITY OF TURLOCK WATER	ORLANDO GUITERREZ	(209) 740-3868
PG&E	TRENT MILLSAP	(209) 561-6070

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL CALL "UNDERGROUND SERVICE ALERT" (USA) AT 811 AT LEAST 2 WORKING DAYS PRIOR TO PERFORMING ANY EXCAVATION

DESIGNED BY: ANGEL P.
DRAWN BY: ANGEL P.
CHECKED BY: JON H.
SCALE: AS SHOWN
DATE: 4/2/2024
JOB NO.: 23-00109

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

USA NORTH 811 Call 811 Before You Dig

SCALE 20 0 20 40

REGISTERED PROFESSIONAL ENGINEER — JONATHAN VINCENT HERNANDEZ — No. 85664 — Exp. 10/31/24 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
701 UNIVERSITY AVENUE, SUITE 200
SACRAMENTO, CALIFORNIA 95825
(916) 381-9100 FAX:(916)381-9180
markthomas.com

CITY OF TURLOCK
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY SUIT 150
(209) 668-5520

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
ROADS PROGRAM - CIP
TITLE

Sheet 1 of 107 Sheets

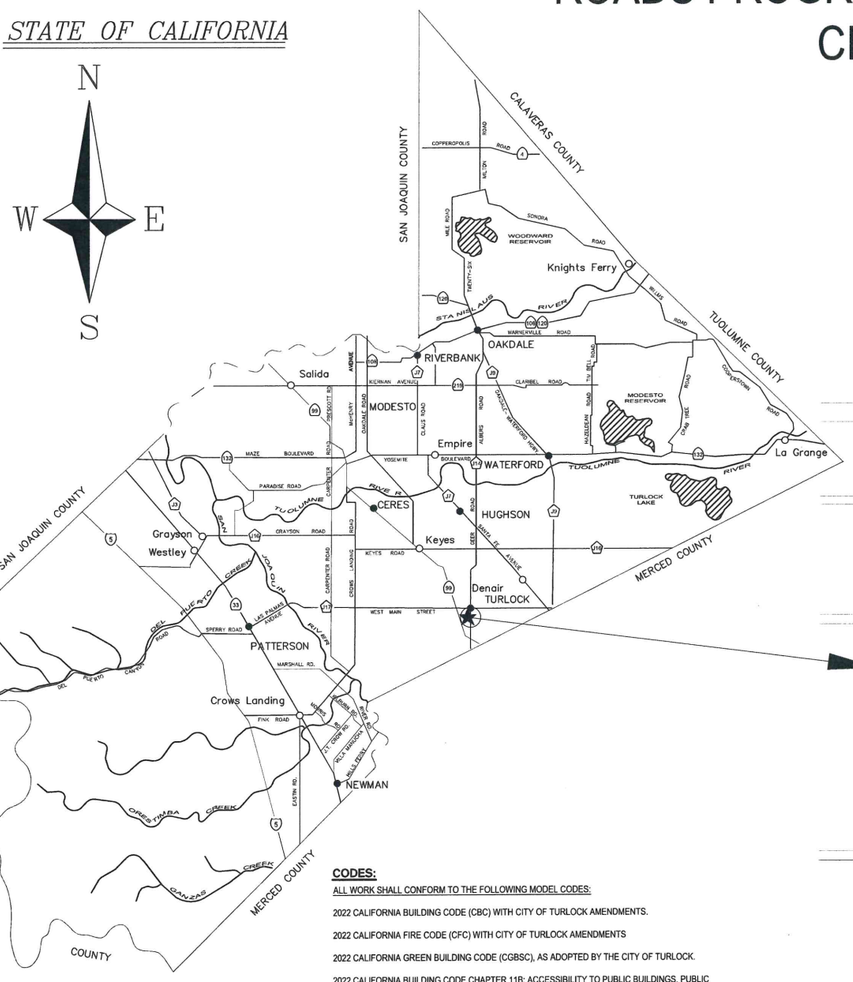
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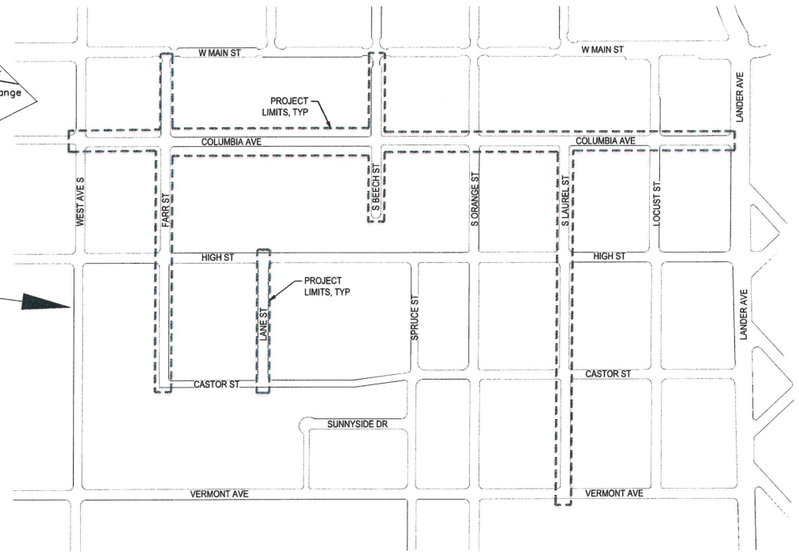


STATE OF CALIFORNIA

CITY OF TURLOCK

CONSTRUCTION PLANS FOR
ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT
CITY PROJECT NO. 23-033





PROJECT LOCATION MAP

STANISLAUS COUNTY

NO SCALE

CODES:

ALL WORK SHALL CONFORM TO THE FOLLOWING MODEL CODES:

2022 CALIFORNIA BUILDING CODE (CBC) WITH CITY OF TURLOCK AMENDMENTS.

2022 CALIFORNIA FIRE CODE (CFC) WITH CITY OF TURLOCK AMENDMENTS

2022 CALIFORNIA GREEN BUILDING CODE (CGBSC), AS ADOPTED BY THE CITY OF TURLOCK.

2022 CALIFORNIA BUILDING CODE CHAPTER 11B: ACCESSIBILITY TO PUBLIC BUILDINGS, PUBLIC ACCOMMODATIONS, COMMERCIAL BUILDINGS AND PUBLIC HOUSING

NOTE: THE CITY OF TURLOCK BUILDING DIVISION ENFORCES CBC CHAPTERS 11A AND 11B FOR DISABLED ACCESS COMPLIANCE.

CIVIL IMPROVEMENTS LIMITS

THE CITY OF TURLOCK'S ROADS PROGRAM IMPROVEMENTS PROJECT WILL IMPROVE THE EXISTING ROADWAY AT COLUMBIA STREET FROM WEST AVENUE SOUTH TO LANDER AVENUE, AT FARR STREET FROM WEST MAIN STREET TO CASTOR STREET, AT LANE STREET FROM HIGH STREET TO CASTOR STREET, AT SOUTH BEECH STREET AT THE WEST MAIN STREET, AND AT SOUTH LAUREL STREET FROM COLUMBIA STREET TO VERMONT AVENUE IN THE CITY OF TURLOCK, CALIFORNIA.

GOVERNING CODES AND ADOPTED STANDARDS

ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT CITY OF TURLOCK STANDARD SPECIFICATIONS AND DRAWINGS; THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT AND THE LATEST EDITION OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS. CITY OF TURLOCK STANDARD DRAWINGS ARE AVAILABLE AT THE OFFICE OF THE CITY ENGINEER.

SHEET INDEX

SHEET NO.	DESCRIPTION
01	COVER SHEET
02	GENERAL NOTES
03	KEY MAP & SURVEY CONTROL POINTS
04	TEMPORARY CONSTRUCTION FUNDING SIGN OVERALL PLAN
05	COLUMBIA AVENUE TYPICAL CROSS SECTIONS
06	FARR STREET TYPICAL CROSS SECTIONS
07	LANE AND S. BEECH TYPICAL CROSS SECTIONS
08	S. LAUREL ST TYPICAL CROSS SECTIONS
09	COLUMBIA AVENUE IMPROVEMENTS - STATION 1+00 TO 13+14.51
10	COLUMBIA AVENUE IMPROVEMENTS - STATION 13+14.51 TO END
11	FARR STREET IMPROVEMENTS
12	LANE STREET & S. BEECH STREET IMPROVEMENTS
13	S. LAUREL STREET IMPROVEMENTS
14	COLUMBIA AVENUE SIGNING & STRIPING - STATION 1+00 TO 13+14.51
15	COLUMBIA AVENUE SIGNING & STRIPING - STATION 13+14.51 TO END
16	FARR STREET SIGNING & STRIPING
17	LANE STREET & S. BEECH STREET SIGNING & STRIPING
18	S. LAUREL STREET SIGNING & STRIPING
19	CONSTRUCTION DETAILS I
20	CONSTRUCTION DETAILS II
21	CONSTRUCTION DETAILS III
22	COLUMBIA & FARR CURB RAMP DETAILS
23	COLUMBIA & S. BEECH CURB RAMP DETAILS
24	COLUMBIA & S. ORANGE CURB RAMP DETAILS
25	COLUMBIA & S. LAUREL CURB RAMP DETAILS
26	COLUMBIA & LANDER AVE CURB RAMP DETAILS
27	LANE STREET CURB RAMP DETAILS
28	S. LAUREL STREET CURB RAMP DETAILS
29	COLUMBIA AVENUE GRADING PLAN - STATION 1+00 TO 13+14.51
30	COLUMBIA AVENUE GRADING PLAN - STATION 13+14.51 TO END
31	FARR STREET GRADING PLAN
32	LANE STREET & S. BEECH STREET GRADING PLAN
33	S. LAUREL STREET GRADING PLAN
34	FARR STREET-STORM DRAIN PROFILES I
35	FARR STREET-STORM DRAIN PROFILES II
36	S BEECH STREET-STORM DRAIN PROFILES I
37	S BEECH STREET-STORM DRAIN PROFILES II
38	TRAFFIC CONTROL NOTES
39	TRAFFIC CONTROL DETAILS
40	COLUMBIA AVENUE STAGE 1-TRAFFIC CONTROL
41	COLUMBIA AVENUE STAGE 2-TRAFFIC CONTROL
42	FARR STREET STAGE 1-TRAFFIC CONTROL
43	FARR STREET STAGE 2-TRAFFIC CONTROL
44	S. BEECH STREET STAGE 1-TRAFFIC CONTROL
45	S. BEECH STREET STAGE 2-TRAFFIC CONTROL
46	LANE STREET STAGE 1-TRAFFIC CONTROL
47	LANE STREET STAGE 2-TRAFFIC CONTROL
48	S. LAUREL STREET STAGE 1-TRAFFIC CONTROL
49	S. LAUREL STREET STAGE 2-TRAFFIC CONTROL

CONTACTS

CITY OF TURLOCK PUBLIC WORKS DEPARTMENT
(209) 668-5520, ENGINEERING@TURLOCK.CA.US

CITY OF TURLOCK ELECTRICAL
(209) 678-5823 DOYLE PERRY, DPERRY@TURLOCK.CA.US

CITY OF TURLOCK STORM AND SEWER
(209) 345-2169 CARLOS GUERRERO, CGUERRERO@TURLOCK.CA.US

CITY OF TURLOCK WATER
(209) 740-3868 ORLANDO GUTIERREZ, OGUTIERREZ@TURLOCK.CA.US

TURLOCK IRRIGATION DISTRICT (ELECTRICAL)
605-0945 DAVID PORATH, DNPORATH@TID.ORG

TURLOCK IRRIGATION DISTRICT (IRRIGATION)
535-1882 TODD TROGLIN, TRTROGLIN@TID.ORG

CHARTER COMMUNICATIONS
(209) 633-3303 ABRAHAM ZAMORA, ABRAHAM.ZAMORA@CHARTER.COM

PACIFIC GAS & ELECTRIC (GAS)
(209) 561-6070 TRENT MILLSAP, TWMB@PGE.COM

AT&T
(209) 507-1689 JIM JELLY, JJ2163@ATT.COM

FIRE DEPARTMENT (NON-EMERGENCY)
(209) 668-5580

POLICE DEPARTMENT (NON-EMERGENCY)
(209) 668-1200

AMBULANCE
(209) 632-2271

TURLOCK SCAVENGER
(209) 668-7274

CITY OF TURLOCK APPROVAL

4/8/2024
DATE

WILLIAM D. MORRIS, P.E., P.L.S
CITY ENGINEER
PUBLIC WORKS DEPARTMENT

811 Know what's below. Call before you dig.

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND ALL SCALED DISTANCES SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK

REGISTERED PROFESSIONAL ENGINEER — ADAM K. MERRELL — No. 76826 Exp. 12/31/24 — CIVIL — STATE OF CALIFORNIA

DATE SIGNED: 04/02/24

SIEGFRIED
3428 Brookside Road
Stockton, California 95219
209-943-2021
www.siegfriedeng.com
CIVIL · STRUCTURAL · LANDSCAPE ARCHITECTURE · SURVEYING · PLANNING · ATHLETIC FACILITY DESIGN

CITY OF TURLOCK PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

COVER SHEET

CAPITAL PROJECT NO. 23-033
THE CITY OF TURLOCK ROADS PROGRAM

VERIFY SCALE
0 1"

DRAWN BY:	JR
REV. BY:	ARM
CH. BY:	AKM
DATE:	4/2/2024
SCALE:	SEE SHEET
SEI PROJ NO:	22157

DRAWING NO. 01

SHEET: 01 OF 49

FILE: F:\22projects\22157 City of Turlock Road CIP\Plans and Graphics\Improvement Plans\22157 C-01 COVER SHEET.dwg

DATE & TIME PLOTTED: 4/02/24 3:14 PM

CITY OF TURLOCK

CONSTRUCTION PLANS FOR

ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

CITY PROJECT NO. 23-067 PACKAGE #1

ANDRE LN: W TOULUMNE RD TO W MONTE VISTA AVE; TROY CT, YVONNE CT, TORRE CT, DELTA CT, CURT CT, LEDWTIH CT

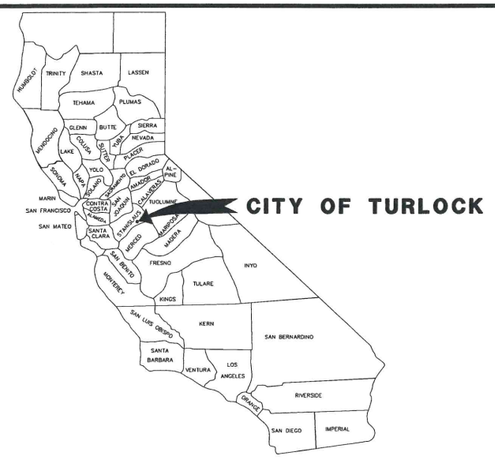
GETTYSBURG ST: DELS LN TO ANDRE LN; HUGHES CT

TAMPA ST: ANDRE LN TO NIAGRA ST

NIAGRA ST: W MONTE VISTA AVE TO REGIS ST

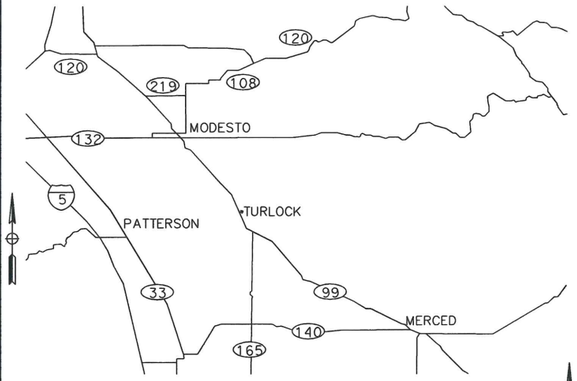
REGIST ST: NIAGRA ST TO GEER ST

SUPPLEMENTED BY CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2023 & CITY OF TURLOCK ENGINEERING DESIGN STANDARD SPECIFICATIONS AND DRAWINGS DATED 2016.



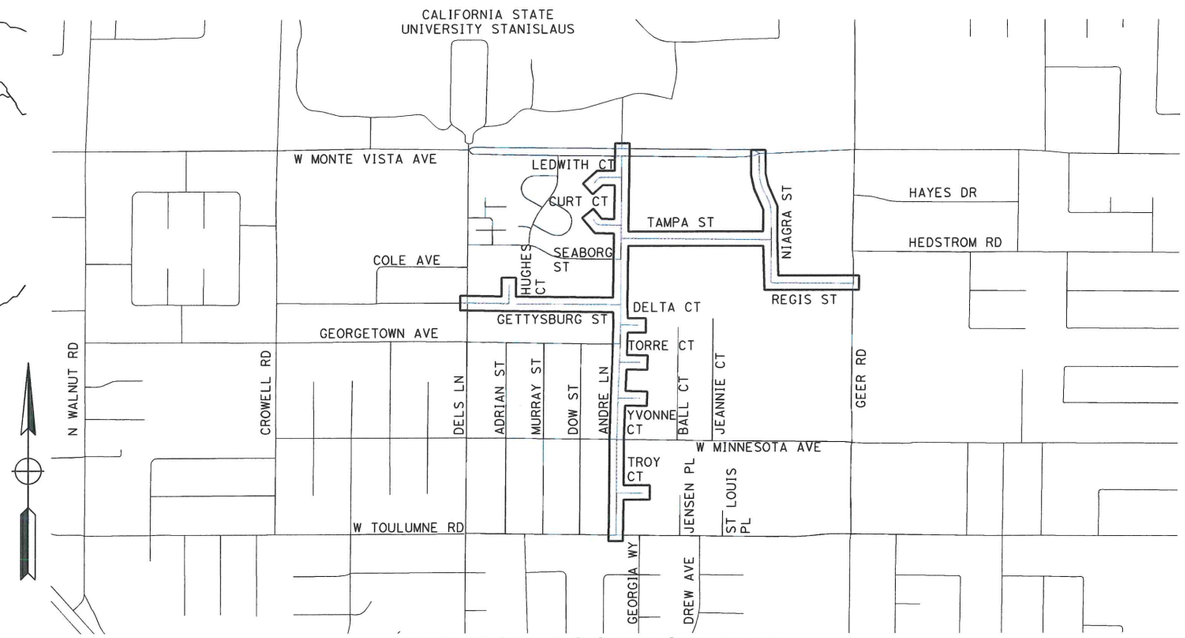
CALIFORNIA STATE MAP

NO SCALE



VICINITY MAP

NO SCALE



PROJECT LOCATION MAP

NO SCALE

SHEET INDEX

SHEET	DRAWING	TITLE
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9-17	DM-1 TO DM-9	DEMOLITION PLANS
18-26	L-1 TO L-9	LAYOUTS
27-51	CD-1 TO CD-25	CONSTRUCTION DETAILS
52-60	G-1 TO G-9	GRADING PLANS
61-69	DU-1 TO DU-9	DRAINAGE AND UTILITIES
70-79	TH-1 TO TH-10	TRAFFIC HANDLING PLANS
80-88	SS-1 TO SS-9	SIGNING AND STRIPING
89-91	TS-1 to TS-3	TRAFFC SIGNAL PLANS

CITY OF TURLOCK APPROVAL

1/15/2025

WILLIAM D. MORRIS, P.E., P.L.S — DATE
CITY ENGINEER
MUNICIPAL SERVICES DEPARTMENT

UTILITY CONTACTS

UTILITY	CONTACT	PHONE
AT&T	JIM JELLEY	(209) 507-1689
CHARTER COMMUNICATIONS	ABRAHAM ZAMORA	(209) 633-3303
TID ELECTRICAL	DAVID PORATH	(209) 605-0945
TID IRRIGATION	TODD TROGLIN	(209) 535-1882
CITY OF TURLOCK ELETRICAL	DOYLE PERRY	(209) 678-5823
CITY OF TURLOCK STORM AND SEWER	CARLOS GUERRERO	(209) 345-2169
CITY OF TURLOCK WATER	ORLANDO GUITERREZ	(209) 740-3868
PG&E GAS	TRENT MILLSAP	(209) 561-6070

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL CALL "UNDERGROUND SERVICE ALERT" (USA) AT 811 AT LEAST 2 WORKING DAYS PRIOR TO PERFORMING ANY EXCAVATION

100% PLANS

DESIGNED BY: LAPPEN E.
DRAWN BY: LAPPEN E.
CHECKED BY: BLOMQUIST D.
SCALE: AS SHOWN
DATE: 12/19/2024
JOB NO.: 23-067

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

USA NORTH 811 Call 811 Before You Dig

SCALE

REGISTERED PROFESSIONAL ENGINEER — DANIEL THOMAS BLOMQUIST — No. 55875 — Exp. 12/31/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
701 UNIVERSITY AVENUE, SUITE 200
SACRAMENTO, CALIFORNIA 95825
(916) 381-9100 FAX:(916)381-9180
markthomas.com

CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
156 S. BROADWAY
SUITE 150
(209) 668-5520

CITY OF TURLOCK
ROADS PROGRAM CIP
PROJECT 23-067 PACKAGE #1
TITLE SHEET

T-1

CITY OF TURLOCK

CONSTRUCTION PLANS FOR

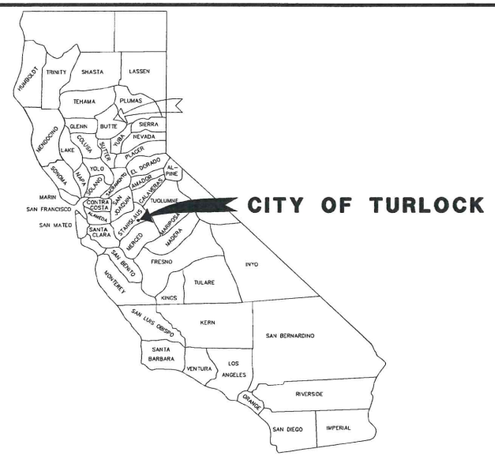
ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

CITY PROJECT NO. 23-067 PACKAGE #2

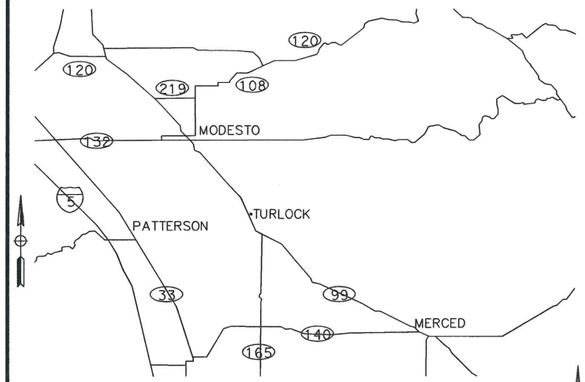
NORTH JOHNSON RD: EAST HAWKEYE AVE TO E TOULUMNE RD;
HAMMOND DR, ASHLEY CT, JACKSON CT, SCONYERS CT

HAMMOND DR: STUART PL

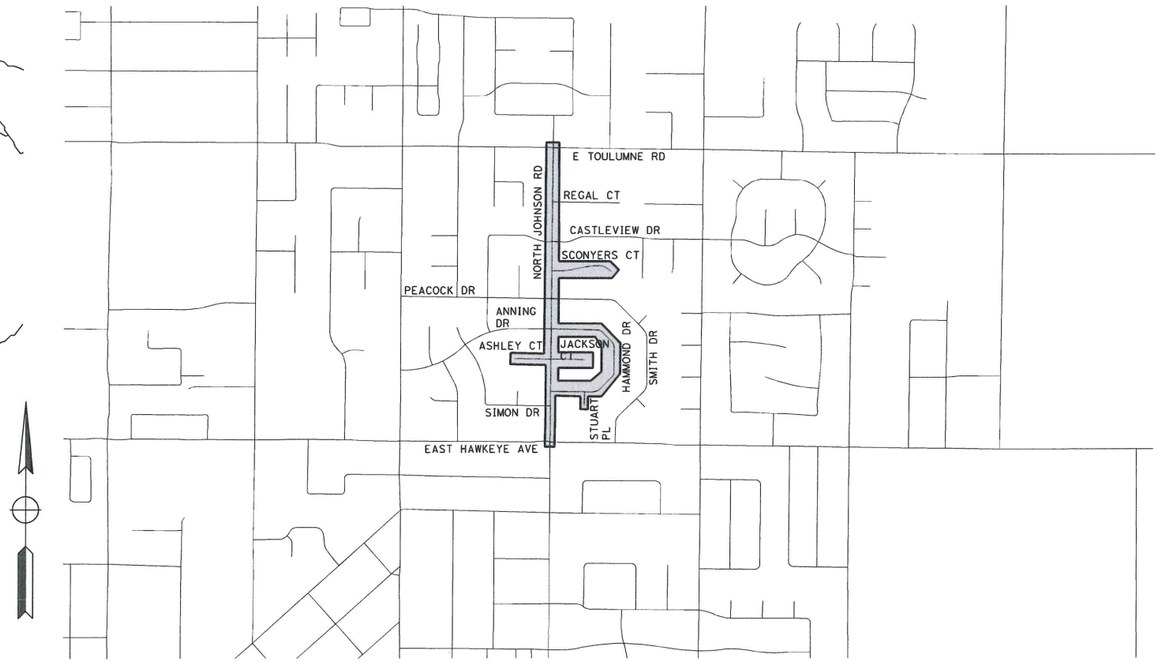
SUPPLEMENTED BY CALTRANS STANDARD PLANS
AND STANDARD SPECIFICATIONS DATED 2023
& CITY OF TURLOCK ENGINEERING DESIGN
STANDARD SPECIFICATIONS AND DRAWINGS DATED
2016.



CALIFORNIA STATE MAP
NO SCALE



VICINITY MAP
NO SCALE



PROJECT LOCATION MAP

SHEET INDEX

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22-36	CD-1 TO CD-15	CONSTRUCTION DETAILS
37-43	G-1 TO G-7	GRADING PLANS
44-50	DU-1 TO DU-7	DRAINAGE AND UTILITIES
51-57	UUD-1 TO UUD-7	UNDERGROUND UTILITY DEPTHS
58-61	TH-1 TO TH-4	TRAFFIC HANDLING PLANS
62-68	SS-1 TO SS-7	SIGNING AND STRIPING

CITY OF TURLOCK APPROVAL

3/13/2025
WILLIAM D. MORRIS, P.E., P.L.S DATE
CITY ENGINEER
MUNICIPAL SERVICES DEPARTMENT

UTILITY CONTACTS

UTILITY	CONTACT	PHONE
AT&T	JIM JELLEY	(209) 507-1689
CHARTER COMMUNICATIONS	MITCHELL RODRIQUEZ	(408) 612-7569
TID ELECTRICAL	DAVID PORATH	(209) 605-0945
TID IRRIGATION	BILL PENNEY	(209) 883-8385
CITY OF TURLOCK ELETRICAL	DOYLE PERRY	(209) 678-5823
CITY OF TURLOCK STORM AND SEWER	CARLOS GUERRERO	(209) 345-2169
CITY OF TURLOCK WATER	ORLANDO GUITERREZ	(209) 740-3868
PG&E GAS	TRENT MILLSAP	(209) 561-6070

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL CALL
"UNDERGROUND SERVICE ALERT" (USA)
AT 811 AT LEAST 2 WORKING DAYS
PRIOR TO PERFORMING ANY EXCAVATION

100% PLANS

DESIGNED BY: POORE, B.
DRAWN BY: HAYNES, C.
CHECKED BY: HORNER, C.
SCALE: NOT TO SCALE
DATE: 3/13/2025
JOB NO.: 24-00061

NOTE:
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USA NORTH 811 Call 811 Before You Dig

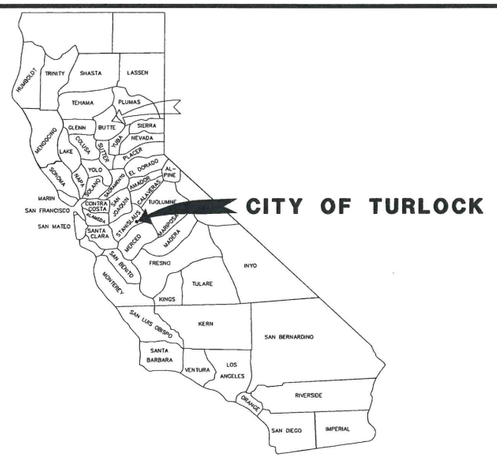
SCALE

REGISTERED PROFESSIONAL ENGINEER — DEREK A. NORIEGA — No. 21454 — Exp. 6/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
701 UNIVERSITY AVENUE, SUITE 200
SACRAMENTO, CALIFORNIA 95825
(916) 381-9100 FAX:(916)381-9180
markthomas.com

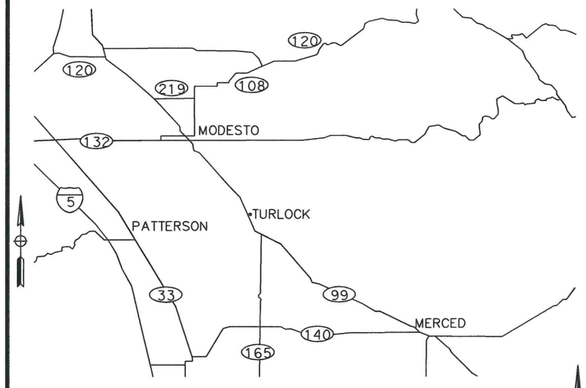
CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
156 S. BROADWAY
SUITE 150
(209)668-5520

CITY OF TURLOCK
ROADS PROGRAM CIP
PROJECT 23-067 PACKAGE #2
TITLE SHEET



CALIFORNIA STATE MAP

NO SCALE



VICINITY MAP

NO SCALE

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL CALL
"UNDERGROUND SERVICE ALERT" (USA)
AT 811 AT LEAST 2 WORKING DAYS
PRIOR TO PERFORMING ANY EXCAVATION

CITY OF TURLOCK

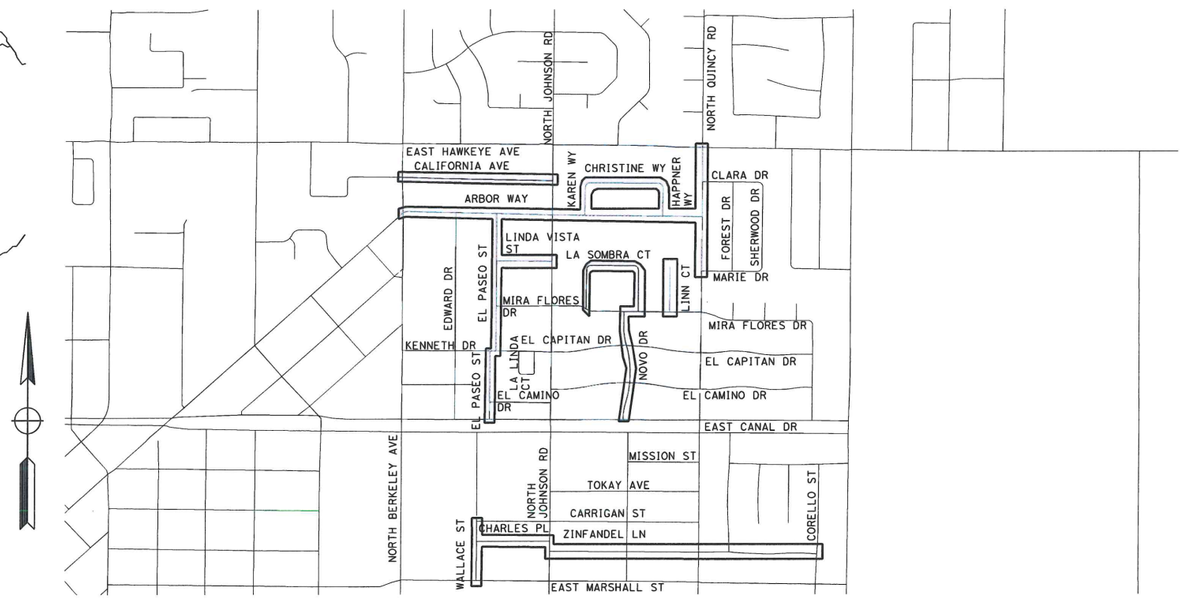
CONSTRUCTION PLANS FOR

ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

CITY PROJECT NO. 23-067 PACKAGE #3

WALLACE ST:	EAST MARSHALL ST TO CARRIGAN ST
CHARLES PL:	WALLACE ST TO NORTH JOHNSON RD
ZINFANDEL LN:	NORTH JOHNSON RD TO CORELLO ST
EL PASEO ST:	EAST CANAL DR TO ARBOR WAY: LINDA VISTA ST
ARBOR WY:	NORTH BERKELEY AVE TO NORTH QUINCY RD; KAREN WY, CHRISTINE WY, HAPPNER WY
NORTH QUINCY RD:	MARIE DR TO EAST HAWKEYE AVE
NOVO DR:	EAST CANAL DR TO MIRA FLORES DR
MIRA FLORES DR:	LA SOMBRA CT, LINN CT
CALIFORNIA AVE:	NORTH BERKELEY AVE TO NORTH JOHNSON RD

SUPPLEMENTED BY CALTRANS STANDARD PLANS
AND STANDARD SPECIFICATIONS DATED 2023
& CITY OF TURLOCK ENGINEERING DESIGN
STANDARD SPECIFICATIONS AND DRAWINGS DATED
2016.



PROJECT LOCATION MAP

100% PLANS

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25-39	L-1 TO L-15	LAYOUTS
40-56	CD-1 TO CD-17	CONSTRUCTION DETAILS
57-71	G-1 TO G-15	GRADING PLANS
72-86	DU-1 TO DU-15	DRAINAGE AND UTILITIES
87-101	UUD-1 TO UUD-15	UNDERGROUND UTILITY DEPTHS
102	DP-1	DRAINAGE PROFILE
103-111	TH-1 TO TH-9	TRAFFIC HANDLING PLANS
112-126	SS-1 TO SS-15	SIGNING AND STRIPING

CITY OF TURLOCK APPROVAL

5/5/2025

WILLIAM D. MORRIS, P.E., P.L.S — DATE
CITY ENGINEER
MUNICIPAL SERVICES DEPARTMENT

UTILITY CONTACTS

UTILITY	CONTACT	PHONE
AT&T	JIM JELLEY	(209) 507-1689
CHARTER COMMUNICATIONS	MITCHELL RODRIQUEZ	(408) 612-7569
TID ELECTRICAL	DAVID PORATH	(209) 605-0945
TID IRRIGATION	BILL PENNEY	(209) 883-8385
CITY OF TURLOCK ELETRICAL	DOYLE PERRY	(209) 678-5823
CITY OF TURLOCK STORM AND SEWER	CARLOS GUERRERO	(209) 345-2169
CITY OF TURLOCK WATER	ORLANDO GUITERREZ	(209) 740-3868
PG&E GAS	TRENT MILLSAP	(209) 561-6070

DESIGNED BY: POORE, B.
DRAWN BY: FRANCO, N.
CHECKED BY: NORIEGA, E.
SCALE: NOT TO SCALE
DATE: 5/05/2025
JOB NO.: 24-00061

NOTE:
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USA NORTH 811 Call 811 Before You Dig

SCALE

REGISTERED PROFESSIONAL ENGINEER — EDGARDO A. NORIEGA — No. 61456 — Exp. 6/30/25 — CIVIL — STATE OF CALIFORNIA

MARK THOMAS
701 UNIVERSITY AVENUE, SUITE 200
SACRAMENTO, CALIFORNIA 95825
(916) 381-9100 FAX:(916)381-9180
markthomas.com

CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
156 S. BROADWAY
SUITE 150
(209)668-5520

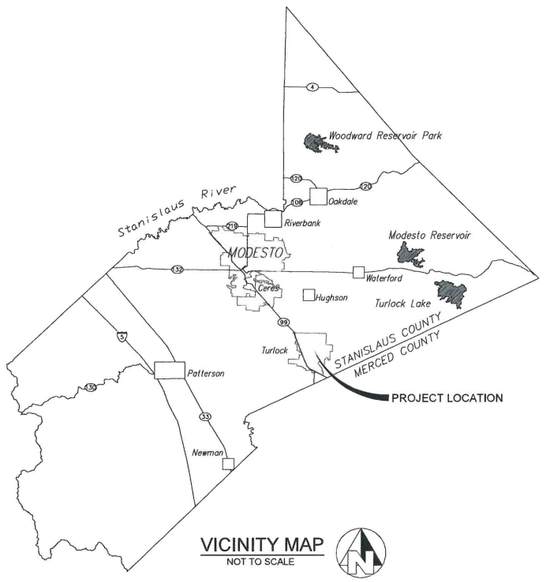
CITY OF TURLOCK
ROADS PROGRAM CIP
PROJECT 23-067 PACKAGE #3
TITLE SHEET

Know what's below. Call before you dig.

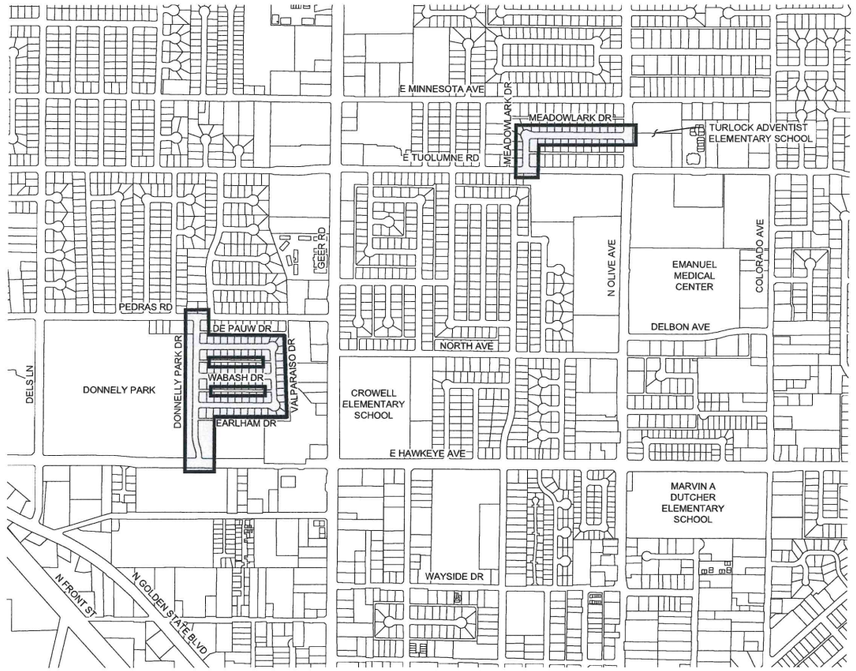
WARNING
POWER LINES OVERHEAD

CITY OF TURLOCK CONSTRUCTION PLANS FOR ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT

CITY PROJECT NO. 23-068 - PACKAGE 1



VICINITY MAP
NOT TO SCALE



SITE MAP
NOT TO SCALE

SPECIAL NOTE

WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL OF THE STRUCTURES WHICH MAY BE ENCOUNTERED.

SITE SAFETY AND PROTECTION NOTES

THE DUTY OF THE ENGINEER, OWNER OR ITS AGENTS TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE AND THE UNDERTAKING OF INSPECTIONS OR THE GIVING OF INSTRUCTIONS AS AUTHORIZED HEREIN IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF THE ACTUAL CONSTRUCTION NOR MAKE THE ENGINEER, OWNER OR ITS AGENTS RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR, SUBCONTRACTORS, OR SUPPLIERS, OR FOR ACCESS, VISITS, USE, WORK, TRAVEL OR OCCUPANCY BY ANY PERSON.

THE CONTRACTOR SHALL HAVE AT THE WORK SITE, COPIES OR SUITABLE EXTRACTS OF CONSTRUCTION SAFETY ORDERS, ISSUED BY CAL-OSHA, CONTRACTOR SHALL COMPLY WITH PROVISIONS OF THESE AND ALL OTHER APPLICABLE LAWS, ORDINANCES AND REGULATIONS. THE CONTRACTOR MUST COMPLY WITH PROVISIONS OF THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, PROMULGATED BY THE SECRETARY OF LABOR UNDER SECTION 107 OF THE CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, AS SET FORTH IN TITLE 29 C.F.R.

TO PROTECT THE LIVES AND HEALTH OF CONTRACTOR'S EMPLOYEES UNDER THE CONTRACT, THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC., AND SHALL MAINTAIN AN ACCURATE RECORD OF ALL CASES OF DEATH, OCCUPATIONAL DISEASE, AND INJURY REQUIRING MEDICAL ATTENTION OR CAUSING LOSS OF TIME FROM WORK, ARISING OUT OF AND IN THE COURSE OF EMPLOYMENT OR WORK UNDER THE CONTRACT.

THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR THE SAFETY, EFFICIENCY, AND ADEQUACY OF CONTRACTOR'S FACILITIES, APPLIANCES, AND METHODS AND FOR ANY DAMAGE, WHICH MAY RESULT FROM THEIR FAILURE OR THEIR IMPROPER CONSTRUCTION, MAINTENANCE OR OPERATION.

THE CONTRACTOR AGREES THAT IT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, PROVOST & PRITCHARD CONSULTING GROUP, AND THEIR RESPECTIVE AGENTS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF OWNER, ENGINEER, OR THEIR RESPECTIVE AGENTS.

THE OWNER AND ITS AGENTS' SITE RESPONSIBILITIES ARE LIMITED SOLELY TO THE ACTIVITIES OF THEIR EMPLOYEES ON SITE. THESE RESPONSIBILITIES SHALL NOT BE INFERRED BY ANY PARTY TO MEAN THAT THE OWNER OR ITS AGENTS HAVE RESPONSIBILITY FOR SITE SAFETY. SAFETY IN, ON, OR ABOUT THE SITE IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR ALONE. THE CONTRACTOR'S METHODS OF WORK PERFORMANCE, SUPERINTENDENCE AND THE CONTRACTOR'S EMPLOYEES, AND SEQUENCING OF CONSTRUCTION ARE ALSO THE SOLE AND EXCLUSIVE RESPONSIBILITIES OF THE CONTRACTOR ALONE.

TOPOGRAPHY NOTE

TOPOGRAPHY SHOWN WAS COLLECTED BY PROVOST & PRITCHARD CONSULTING GROUP DURING A FIELD SURVEY CONDUCTED IN MARCH OF 2024.

BOUNDARY NOTE

THE BOUNDARY/EASEMENT INFORMATION SHOWN ON THESE PLANS IS BASED UPON RECORD INFORMATION TIED TO PHYSICAL MONUMENTS, AND WAS PREPARED UNDER THE DIRECTION OF BRYAN W. BOWERS, PLS 8469.

PRIMARY BENCHMARK

POINT 1000: A FOUND REBAR AND CAP MARKED CONTROL
LIST ELEVATION:105.949
NOTE: THIS CONTROL WAS ESTABLISHED BY SURVEYS CONDUCTED BY SOMEONE OTHER THAN PROVOST AND PRITCHARD.

PROFESSIONAL LAND SURVEYOR
BRYAN W. BOWERS
No. 8469
STATE OF CALIFORNIA

DATE SIGNED: NOV 2024

APPROVALS

WILLIAM D. MORRIS, P.E., P.L.S. — DATE 12/19/2024
CITY ENGINEER
CITY OF TURLOCK

GENERAL NOTES

1. CITY OF TURLOCK (209-668-5520) SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR EXISTING DISTRICT FACILITIES.
2. USED MATERIAL, REJECTS, MISFITS, OR SECONDS, ETC. ARE NOT ACCEPTABLE FOR USE ON CITY OF TURLOCK FACILITIES.
3. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THESE PLANS, PROJECT SPECIFICATIONS AND CITY OF TURLOCK SPECIFICATIONS.
4. CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING FACILITIES PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) AT 8-1-1. CONTRACTOR SHALL MAKE ENGINEER AWARE OF ANY DISCREPANCIES.
5. ALL CAST-IN-PLACE CONCRETE STRUCTURES SHALL BE FORMED INSIDE AND OUT AND CONCRETE VIBRATED SUFFICIENTLY TO PROVIDE FOR SMOOTH SURFACED WALLS/FLOORS WITHOUT VOIDS AND HONEYCOMBS.
6. CITY OF TURLOCK SHALL INSPECT ALL WORK PHASES ON CONCRETE FACILITIES FOR CONFORMANCE TO CITY OF TURLOCK SPECIFICATIONS. REINFORCING SHALL NOT BE ENCASED IN CONCRETE WITHOUT PRIOR CITY OF TURLOCK INSPECTIONS. LIKEWISE, CONCRETE SHALL NOT BE COVERED WITH EARTH PRIOR TO CITY OF TURLOCK INSPECTION.
7. CONCRETE DESIGN MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALL CONCRETE SHALL HAVE A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE SPECIFIED.
8. ALL STEEL PIPE AND FITTINGS SHALL BE FURNISHED WITH A SHOP APPLIED HIGH SOLIDS EPOXY COATING ON THE INTERIOR AND EXTERIOR, UNLESS OTHERWISE INDICATED. ALL OTHER EXPOSED STEEL SHALL BE PAINTED WITH A PRE-TREATMENT PRIMER, AN UNDERCOAT AND A FINAL COAT OF PAINT IN ACCORDANCE WITH CITY OF TURLOCK SPECIFICATIONS.
9. ALL NUTS, BOLTS, AND WASHERS USED TO SECURE UNDERGROUND FITTINGS SHALL BE STAINLESS STEEL. AFTER INSTALLATION, ALL STEEL HARDWARE SHALL BE COATED WITH A RUST PREVENTATIVE, WRAPPED WITH 4 MIL POLYETHYLENE SHEETING, AND SECURE WITH PVC TAPE.
10. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS OF THE STATE OF CALIFORNIA AND CAL/OSHA STANDARDS.
11. TRENCH BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS AND THE GEOTECHNICAL REPORT CONTAINED IN THE SPECIFICATIONS.
12. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ALL PIPELINE CRACKS, WHICH DEVELOP DURING CONSTRUCTION OF IMPROVEMENTS AFFECTING EXISTING FACILITIES.
13. CONCRETE VAULTS AND BOXES MAY BE PURCHASED FROM A PRECAST MANUFACTURER OR CONTRACTOR MAY CONSTRUCT THE STRUCTURES IF STRUCTURAL CALCULATIONS AND DESIGN IS APPROVED BY THE CITY OF TURLOCK AND THE ENGINEER.
14. ALL EXCESS MATERIAL AND/OR DEBRIS SHALL BE REMOVED UPON COMPLETION OF INSTALLATION.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE DUST CONTROL AT ALL TIMES.

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SHEET NO.	SEQ. SHEET NO.	DESCRIPTION
GENERAL		
G1	1	COVER SHEET
G2	2	LEGEND & ABBREVIATIONS
G3	3	CONTROL POINTS
STREET PLAN		
C1	4	MEADOWLARK DR STA 10+00 - 13+75
C2	5	MEADOWLARK DR STA 14+00 - 24+00
C3	6	DONNELLY PARK DR STA 30+00 - 39+19.24
C4	7	DONNELLY PARK DR STA 39+19.24 - 43+08
C5	8	DE PAUW DR STA 50+00 - 57+50
C6	9	WABASH DR STA 60+00 - 67+02
C7	10	EARLHAM DR STA 70+00 - 77+75
C8	11	VALPARAISO DR STA 81+00 - 85+00
DETAILS		
D1	12	STANDARD DETAILS
D2	13	STANDARD DETAILS
D3	14	STANDARD DETAILS
D4	15	STANDARD DETAILS
D5	16	CIVIL DETAILS
D6	17	SITE DETAILS
D7	18	SITE DETAILS
D8	19	SITE DETAILS
D9	20	SITE DETAILS
D10	21	SITE DETAILS
D11	22	SITE DETAILS
D12	23	CIVIL DETAILS
TRAFFIC HANDLING		
TH1	24	LEGEND
TH2	25	DETAILS
TH3	26	TRAFFIC HANDLING
TH4	27	TRAFFIC HANDLING
TH5	28	TRAFFIC HANDLING
TH6	29	TRAFFIC HANDLING
TH7	30	TRAFFIC HANDLING
STRIPING		
S1	31	MEADOWLARK DR
S2	32	MEADOWLARK DR
S3	33	DONNELLY PARK DR
S4	34	DONNELLY PARK DR
S5	35	DE PAUW DR
S6	36	WABASH DR
S7	37	EARLHAM DR
S8	38	VALPARAISO DR

CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
156 S. BROADWAY, SUITE 150
(209) 668-5520

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OCTOBER 2024

No.	REVISION	BY	DATE

REGISTERED PROFESSIONAL ENGINEER — JEFFREY S. DORN — No. 76749 — CIVIL — STATE OF CALIFORNIA

DATE SIGNED: ____

CITY OF TURLOCK
CONSTRUCTION PLANS FOR ROADS PROGRAM
CAPITAL IMPROVEMENT PROJECT
CITY PROJECT No. 23-068 - PACKAGE 1
GENERAL
COVER SHEET

PROVOST & PRITCHARD
484 W. Shaw, Suite 105
Clovis, CA 93611-8595
PHONE (559) 449-2700
FAX (559) 449-2715
www.provostandpritchard.com

DESIGN ENGINEER: JD
LICENSE NO: 76749
DRAFTED BY: AR | CHECKED BY: JD
DATE: OCT 2024
JOB NO: 229224001
PROJECT NO: 229224001
PHASE:
0 1"
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET G1
1 OF 38

11/25/2024 4:21 PM G:\Turlock_City of\229224001-2024 Road Rehab\300 CAD\341 Sheet Sets\01_General\G1 COVER SHEET.dwg Abby Roque



STATE OF CALIFORNIA



CITY OF TURLOCK

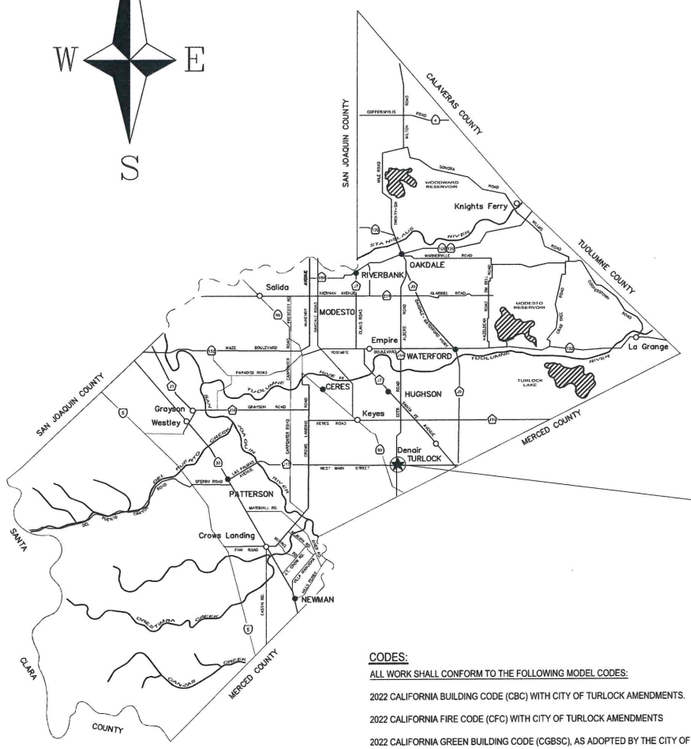
CONSTRUCTION PLANS FOR
ROADS PROGRAM CAPITAL IMPROVEMENT PROJECT
CITY PROJECT NO. 23-069

CITY OF TURLOCK APPROVAL

08/08/2025
WILLIAM D. MORRIS, P.E., P.L.S — DATE
CITY ENGINEER
MUNICIPAL SERVICES DEPARTMENT

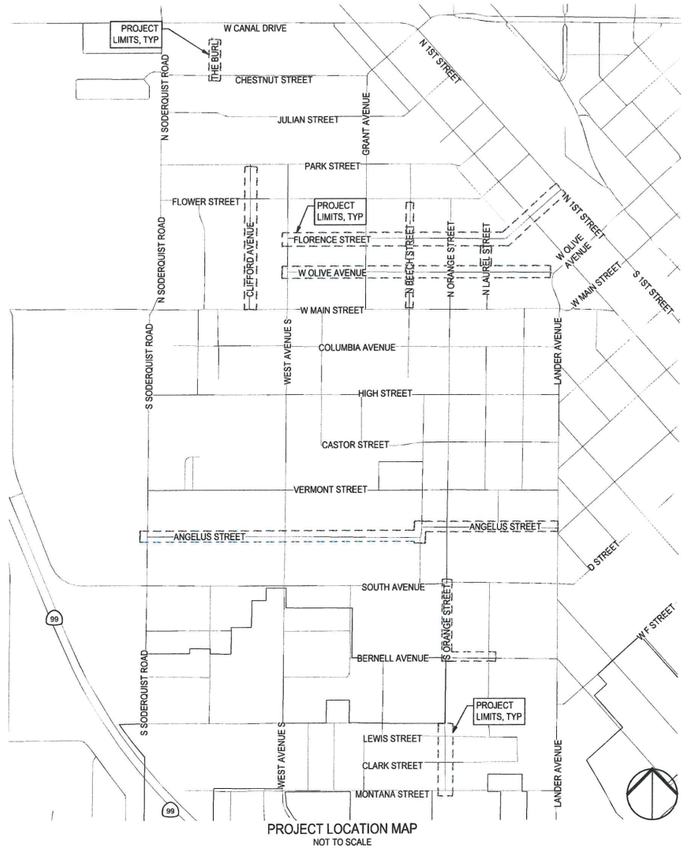
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04	TYPICAL CROSS SECTIONS - FLORENCE STREET II
05	TYPICAL CROSS SECTIONS - OLIVE AVENUE I
06	TYPICAL CROSS SECTIONS - OLIVE AVENUE II
07	TYPICAL CROSS SECTIONS - ANGELUS STREET I
08	TYPICAL CROSS SECTIONS - ANGELUS STREET II
09	TYPICAL CROSS SECTIONS - BEECH STREET
10	TYPICAL CROSS SECTIONS - CLIFFORD AVENUE I
11	TYPICAL CROSS SECTIONS - CLIFFORD AVENUE II
12	TYPICAL CROSS SECTIONS - THE BURL & S ORANGE STREET
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15	EXISTING UTILITIES - FLORENCE STREET I
16	EXISTING UTILITIES - FLORENCE STREET II
17	EXISTING UTILITIES - FLORENCE STREET III
18	EXISTING UTILITIES - W OLIVE AVE I
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20	EXISTING UTILITIES - ANGELUS STREET I
21	EXISTING UTILITIES - ANGELUS STREET II
22	EXISTING UTILITIES - ANGELUS STREET III
23	EXISTING UTILITIES - ANGELUS STREET IV
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116	CONSTRUCTION DETAILS II
117	CONSTRUCTION DETAILS III



STANISLAUS COUNTY

NO SCALE



PROJECT LOCATION MAP
NOT TO SCALE

CODES:

ALL WORK SHALL CONFORM TO THE FOLLOWING MODEL CODES:

2022 CALIFORNIA BUILDING CODE (CBC) WITH CITY OF TURLOCK AMENDMENTS.

2022 CALIFORNIA FIRE CODE (CFC) WITH CITY OF TURLOCK AMENDMENTS

2022 CALIFORNIA GREEN BUILDING CODE (CGBSC), AS ADOPTED BY THE CITY OF TURLOCK.

2022 CALIFORNIA BUILDING CODE CHAPTER 11B: ACCESSIBILITY TO PUBLIC BUILDINGS, PUBLIC ACCOMMODATIONS, COMMERCIAL BUILDINGS AND PUBLIC HOUSING

NOTE: THE CITY OF TURLOCK BUILDING DIVISION ENFORCES CBC CHAPTERS 11A AND 11B FOR DISABLED ACCESS COMPLIANCE.

GOVERNING CODES AND ADOPTED STANDARDS

ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT CITY OF TURLOCK STANDARD SPECIFICATIONS AND DRAWINGS; THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT AND THE LATEST EDITION OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS. CITY OF TURLOCK STANDARD DRAWINGS ARE AVAILABLE AT THE OFFICE OF THE CITY ENGINEER.

811 Know what's below. Call before you dig.

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK

REGISTERED PROFESSIONAL ENGINEER — ADAM K. MERRELL — No. 76824 — Exp. 12/31/26 — CIVIL — STATE OF CALIFORNIA

DATE SIGNED: 08/07/25

SIEGFRIED
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Stockton, California 95219
209-943-2021
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CITY OF TURLOCK
MUNICIPAL SERVICES DEPARTMENT
156 S. BROADWAY,
SUITE 150
(209) 668-5520

COVER SHEET

PROJECT NO. 23-069
CITY OF TURLOCK ROADS PROGRAM

VERIFY SCALE
0 1"

DRAWN BY:	JR
REV. BY:	AKM
CH. BY:	AKM
DATE:	8/7/2025
SCALE:	SEE SHEET
SEI PROJ NO:	22157

DRAWING NO. 01

SHEET: 01 OF 117

DATE & TIME PLOTTED: 8/07/25 1:33 PM

FILE: F:\22projects\22157 City of Turlock Road CIP\To#2\Plans and Graphics\Improvement Plans\22157 C-01 COVER SHEET.dwg

APPENDIX C: FEDERAL WAGE RATES

"General Decision Number: CA20260018 05/18/2026

State: California

Construction Types: Building, Heavy and Highway

Counties: California Counties of
Alameda, Calaveras, Contra Costa,
Fresno, Kings, Madera, Mariposa, Merced,
Monterey, San Benito, San Francisco, San
Joaquin, San Mateo, Santa Clara, Santa
Cruz, Stanislaus and Tuolumne

Building Construction Projects
Dredging Projects-Includes Dredging Projects (does not include hopper dredge work)
Heavy Construction Projects (excludes water well drilling)
Highway Construction Projects

Modification Number	Publication Date
4	01/30/2026
5	05/18/2026

ASBE0016-004 05/01/2025

	Rates	Fringes
ASBESTOS REMOVAL WORKER/HAZARDOUS MATERIAL HANDLER: INCLUDES PREPARATION, WETTING, STRIPPING, REMOVAL, SCRAPPING, VACUUMING, BAGGING AND DISPOSING OF ALL INSULATION MATERIALS FROM MECHANICAL SYSTEMS, WHETHER THEY CONTAIN ASBESTOS OR NOT (AREA 2)	$ 44.73	12.75

ASBE0016-008 01/01/2024

	Rates	Fringes
ASBESTOS WORKERS/INSULATOR: INCLUDES THE APPLICATION OF ALL INSULATING MATERIALS, PROTECTIVE COVERINGS, COATINGS, AND FINISHES TO ALL TYPES OF MECHANICAL SYSTEMS (AREA 2)	$ 64.56	25.07
ASBESTOS WORKERS/INSULATOR: INCLUDES THE APPLICATION OF ALL INSULATING MATERIALS, PROTECTIVE COVERINGS, COATINGS, AND FINISHES TO ALL TYPES OF MECHANICAL SYSTEMS (AREA 1)	$ 84.76	25.07

BOIL0549-001 01/01/2021

	Rates	Fringes
BOILERMAKER: (AREA 2)	$ 45.60	38.99
BOILERMAKER: (AREA 1)	$ 49.62	41.27

BRCA0003-001 08/01/2024

	Rates	Fringes
MARBLE FINISHER	$ 42.06	19.80

BRCA0003-003 08/01/2024

	Rates	Fringes
MARBLE MASON	$ 61.72	30.31

BRCA0003-005 05/01/2024

	Rates	Fringes
BRICKLAYER (8) ALAMEDA, CONTRA COSTA, SAN BENITO, SANTA CLARA)	$ 56.94	26.28
BRICKLAYER (16) MONTEREY, SANTA CRUZ	$ 54.18	27.82
BRICKLAYER (9) CALAVERAS, SAN JOAQUIN, STANISLAUS, TOULUMNE	$ 52.76	25.01
BRICKLAYER (7) SAN FRANCISCO, SAN MATEO	$ 57.02	28.50
BRICKLAYER (1) FRESNO, KINGS, MADERA, MARIPOSA, MERCED	$ 51.17	25.80

BRCA0003-008 07/01/2024

	Rates	Fringes
TERRAZZO WORKER/SETTER	$ 60.58	29.79
TERRAZZO FINISHER	$ 44.93	20.98

BRCA0003-011 04/01/2024

	Rates	Fringes
TILE LAYER AREA 3	$ 50.28	22.05
TILE LAYER AREA 2	$ 55.17	22.52
TILE LAYER AREA 1	$ 59.92	22.62
TILE FINISHER AREA 3	$ 32.68	18.32
TILE FINISHER AREA 2	$ 34.76	19.22
TILE FINISHER AREA 1	$ 37.75	19.28

CARP0022-001 07/01/2023

	Rates	Fringes
CARPENTERS: MILLWRIGHT (SAN FRANCISCO COUNTY)	$ 60.49	35.11
CARPENTERS: JOURNEYMAN CARPENTER (SAN FRANCISCO COUNTY)	$ 60.39	33.52
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER (SAN FRANCISCO COUNTY)	$ 60.54	33.52
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (SAN FRANCISCO COUNTY)	$ 60.39	33.52

CARP0034-001 07/01/2021

	Rates	Fringes
DIVER: MANIFOLD OPERATOR (STANDBY) DEPTH PAY (SURFACE DIVING): 050 TO 100 FT $2.00 PER FOOT 101 TO 150 FT $3.00 PER FOOT 151 TO 220 FT $4.00 PER FOOT 221 FT.-DEEPER $5.00 PER FOOT SATURATION DIVING: THE STANDBY RATE SHALL APPLY UNTIL SATURATION STARTS. THE SATURATION DIVING RATE APPLIES WHEN DIVERS ARE UNDER PRESSURE CONTINUOUSLY UNTIL WORK TASK AND DECOMPRESSION ARE COMPLETE. THE DIVER RATE SHALL BE PAID FOR ALL SATURATION HOURS. DIVING IN ENCLOSURES: WHERE IT IS NECESSARY FOR DIVERS TO ENTER PIPES OR TUNNELS, OR OTHER ENCLOSURES WHERE THERE IS NO VERTICAL ASCENT, THE FOLLOWING PREMIUM SHALL BE PAID: DISTANCE TRAVELED FROM ENTRANCE 26 FEET TO 300 FEET: $1.00 PER FOOT. WHEN IT IS NECESSARY FOR A DIVER TO ENTER ANY PIPE, TUNNEL OR OTHER ENCLOSURE LESS THAN 48"" IN HEIGHT, THE PREMIUM WILL BE $1.00 PER FOOT. WORK IN COMBINATION OF CLASSIFICATIONS: EMPLOYEES WORKING		

IN ANY COMBINATION OF CLASSIFICATIONS WITHIN THE DIVING CREW (EXCEPT DIVE SUPERVISOR) IN A SHIFT ARE PAID IN THE CLASSIFICATION WITH THE HIGHEST RATE FOR THAT SHIFT.....$ 59.51 34.69

DIVER: MANIFOLD OPERATOR (MIXED GAS) DEPTH PAY (SURFACE DIVING): 050 TO 100 FT $2.00 PER FOOT 101 TO 150 FT $3.00 PER FOOT 151 TO 220 FT $4.00 PER FOOT 221 FT.-DEEPER $5.00 PER FOOT SATURATION DIVING: THE STANDBY RATE SHALL APPLY UNTIL SATURATION STARTS. THE SATURATION DIVING RATE APPLIES WHEN DIVERS ARE UNDER PRESSURE CONTINUOUSLY UNTIL WORK TASK AND DECOMPRESSION ARE COMPLETE. THE DIVER RATE SHALL BE PAID FOR ALL SATURATION HOURS. DIVING IN ENCLOSURES: WHERE IT IS NECESSARY FOR DIVERS TO ENTER PIPES OR TUNNELS, OR OTHER ENCLOSURES WHERE THERE IS NO VERTICAL ASCENT, THE FOLLOWING PREMIUM SHALL BE PAID: DISTANCE TRAVELED FROM ENTRANCE 26 FEET TO 300 FEET: $1.00 PER FOOT. WHEN IT IS NECESSARY FOR A DIVER TO ENTER ANY PIPE, TUNNEL OR OTHER ENCLOSURE LESS THAN 48"" IN HEIGHT, THE PREMIUM WILL BE $1.00 PER FOOT. WORK IN COMBINATION OF CLASSIFICATIONS: EMPLOYEES WORKING IN ANY COMBINATION OF CLASSIFICATIONS WITHIN THE DIVING CREW (EXCEPT DIVE SUPERVISOR) IN A SHIFT ARE PAID IN THE CLASSIFICATION WITH THE HIGHEST RATE FOR THAT SHIFT.....$ 64.51 34.69

DIVER: DIVER WET DEPTH PAY (SURFACE DIVING): 050 TO 100 FT $2.00 PER FOOT 101 TO 150 FT $3.00 PER FOOT 151 TO 220 FT $4.00 PER FOOT 221 FT.-DEEPER $5.00 PER FOOT SATURATION DIVING: THE STANDBY RATE SHALL APPLY UNTIL SATURATION STARTS. THE SATURATION DIVING RATE APPLIES WHEN DIVERS ARE UNDER PRESSURE CONTINUOUSLY UNTIL WORK TASK AND DECOMPRESSION ARE COMPLETE. THE DIVER RATE SHALL BE PAID FOR ALL SATURATION HOURS. DIVING IN ENCLOSURES: WHERE IT IS NECESSARY FOR DIVERS TO ENTER PIPES OR TUNNELS, OR OTHER ENCLOSURES WHERE THERE IS NO VERTICAL ASCENT, THE FOLLOWING PREMIUM SHALL BE PAID: DISTANCE TRAVELED FROM ENTRANCE 26 FEET TO 300 FEET: $1.00 PER FOOT. WHEN IT IS NECESSARY FOR A DIVER TO ENTER ANY PIPE, TUNNEL OR OTHER ENCLOSURE LESS THAN 48"" IN HEIGHT, THE PREMIUM WILL BE $1.00 PER FOOT. WORK IN COMBINATION OF CLASSIFICATIONS: EMPLOYEES WORKING IN ANY COMBINATION OF CLASSIFICATIONS WITHIN THE DIVING CREW (EXCEPT DIVE SUPERVISOR) IN A SHIFT ARE PAID IN THE CLASSIFICATION WITH THE HIGHEST RATE FOR THAT SHIFT.....$ 103.62 34.69

DIVER: DIVER TENDER DEPTH PAY (SURFACE DIVING): 050 TO 100 FT $2.00 PER FOOT 101 TO 150 FT $3.00 PER FOOT 151 TO 220 FT $4.00 PER FOOT 221 FT.-DEEPER $5.00 PER FOOT SATURATION DIVING: THE STANDBY RATE SHALL APPLY UNTIL SATURATION STARTS. THE SATURATION DIVING RATE APPLIES WHEN DIVERS ARE UNDER PRESSURE CONTINUOUSLY UNTIL WORK TASK AND DECOMPRESSION ARE COMPLETE. THE DIVER RATE SHALL BE PAID FOR ALL SATURATION HOURS. DIVING IN ENCLOSURES: WHERE IT IS NECESSARY FOR DIVERS TO ENTER PIPES OR TUNNELS, OR OTHER ENCLOSURES WHERE THERE IS NO VERTICAL ASCENT, THE FOLLOWING PREMIUM SHALL BE PAID: DISTANCE TRAVELED FROM ENTRANCE 26 FEET TO 300 FEET: $1.00 PER FOOT. WHEN IT IS NECESSARY FOR A DIVER TO ENTER ANY PIPE, TUNNEL OR OTHER ENCLOSURE LESS THAN 48"" IN

HEIGHT, THE PREMIUM WILL BE $1.00 PER FOOT. WORK IN COMBINATION OF CLASSIFICATIONS: EMPLOYEES WORKING IN ANY COMBINATION OF CLASSIFICATIONS WITHIN THE DIVING CREW (EXCEPT DIVE SUPERVISOR) IN A SHIFT ARE PAID IN THE CLASSIFICATION WITH THE HIGHEST RATE FOR THAT SHIFT.....$ 59.51 34.69

DIVER: DIVER STANDBY DEPTH PAY (SURFACE DIVING): 050 TO 100 FT $2.00 PER FOOT 101 TO 150 FT $3.00 PER FOOT 151 TO 220 FT $4.00 PER FOOT 221 FT.-DEEPER $5.00 PER FOOT SATURATION DIVING: THE STANDBY RATE SHALL APPLY UNTIL SATURATION STARTS. THE SATURATION DIVING RATE APPLIES WHEN DIVERS ARE UNDER PRESSURE CONTINUOUSLY UNTIL WORK TASK AND DECOMPRESSION ARE COMPLETE. THE DIVER RATE SHALL BE PAID FOR ALL SATURATION HOURS. DIVING IN ENCLOSURES: WHERE IT IS NECESSARY FOR DIVERS TO ENTER PIPES OR TUNNELS, OR OTHER ENCLOSURES WHERE THERE IS NO VERTICAL ASCENT, THE FOLLOWING PREMIUM SHALL BE PAID: DISTANCE TRAVELED FROM ENTRANCE 26 FEET TO 300 FEET: $1.00 PER FOOT. WHEN IT IS NECESSARY FOR A DIVER TO ENTER ANY PIPE, TUNNEL OR OTHER ENCLOSURE LESS THAN 48"" IN HEIGHT, THE PREMIUM WILL BE $1.00 PER FOOT. WORK IN COMBINATION OF CLASSIFICATIONS: EMPLOYEES WORKING IN ANY COMBINATION OF CLASSIFICATIONS WITHIN THE DIVING CREW (EXCEPT DIVE SUPERVISOR) IN A SHIFT ARE PAID IN THE CLASSIFICATION WITH THE HIGHEST RATE FOR THAT SHIFT.....$ 60.51 34.69

DIVER: ASSISTANT TENDER, ROV TENDER/TECHNICIAN DEPTH PAY (SURFACE DIVING): 050 TO 100 FT $2.00 PER FOOT 101 TO 150 FT $3.00 PER FOOT 151 TO 220 FT $4.00 PER FOOT 221 FT.-DEEPER $5.00 PER FOOT SATURATION DIVING: THE STANDBY RATE SHALL APPLY UNTIL SATURATION STARTS. THE SATURATION DIVING RATE APPLIES WHEN DIVERS ARE UNDER PRESSURE CONTINUOUSLY UNTIL WORK TASK AND DECOMPRESSION ARE COMPLETE. THE DIVER RATE SHALL BE PAID FOR ALL SATURATION HOURS. DIVING IN ENCLOSURES: WHERE IT IS NECESSARY FOR DIVERS TO ENTER PIPES OR TUNNELS, OR OTHER ENCLOSURES WHERE THERE IS NO VERTICAL ASCENT, THE FOLLOWING PREMIUM SHALL BE PAID: DISTANCE TRAVELED FROM ENTRANCE 26 FEET TO 300 FEET: $1.00 PER FOOT. WHEN IT IS NECESSARY FOR A DIVER TO ENTER ANY PIPE, TUNNEL OR OTHER ENCLOSURE LESS THAN 48"" IN HEIGHT, THE PREMIUM WILL BE $1.00 PER FOOT. WORK IN COMBINATION OF CLASSIFICATIONS: EMPLOYEES WORKING IN ANY COMBINATION OF CLASSIFICATIONS WITHIN THE DIVING CREW (EXCEPT DIVE SUPERVISOR) IN A SHIFT ARE PAID IN THE CLASSIFICATION WITH THE HIGHEST RATE FOR THAT SHIFT.....$ 54.10 34.69

CARP0034-003 07/01/2021

	Rates	Fringes
PILEDRIVER	$ 54.10	34.69

CARP0035-007 07/01/2020

	Rates	Fringes
MASTER INSTALLER (MODULAR FURNITURE INSTALLER) AREA 3	$ 31.38	23.03
MASTER INSTALLER (MODULAR FURNITURE INSTALLER) AREA 2	$ 32.71	23.03
MASTER INSTALLER (MODULAR FURNITURE INSTALLER) AREA		

1	$ 36.43	23.03
LEAD INSTALLER (MODULAR FURNITURE INSTALLER) AREA 3	$ 27.96	23.03
LEAD INSTALLER (MODULAR FURNITURE INSTALLER) AREA 2	$ 29.08	23.03
LEAD INSTALLER (MODULAR FURNITURE INSTALLER) AREA 1	$ 32.21	23.03
INSTALLER (MODULAR FURNITURE INSTALLER) AREA 3	$ 25.16	22.53
INSTALLER (MODULAR FURNITURE INSTALLER) AREA 2	$ 26.11	22.53
INSTALLER (MODULAR FURNITURE INSTALLER) AREA 1	$ 28.76	22.53

CARP0035-008 08/01/2020

	Rates	Fringes
DRYWALL STOCKER/SCRAPPER: (AREA 4)	$ 22.97	18.22
DRYWALL STOCKER/SCRAPPER: (AREA 3)	$ 23.64	18.22
DRYWALL STOCKER/SCRAPPER: (AREA 2)	$ 23.39	18.22
DRYWALL STOCKER/SCRAPPER: (AREA 1)	$ 26.33	18.22
DRYWALL INSTALLERS/LATHERS:: (AREA 4)	$ 45.92	31.26
DRYWALL INSTALLERS/LATHERS:: (AREA 3)	$ 47.27	31.26
DRYWALL INSTALLERS/LATHERS:: (AREA 2)	$ 46.77	31.26
DRYWALL INSTALLERS/LATHERS:: (AREA 1)	$ 52.65	31.26

CARP0152-001 07/01/2020

	Rates	Fringes
CARPENTERS: MILLWRIGHT (CONTRA COSTA COUNTY)	$ 52.75	32.41
CARPENTERS: JOURNEYMAN CARPENTER (CONTRA COSTA COUNTY)	$ 52.65	30.82
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER (CONTRA COSTA COUNTY)	$ 52.80	30.82
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (CONTRA COSTA COUNTY)	$ 52.65	30.82

CARP0152-002 07/01/2020

	Rates	Fringes
CARPENTERS: MILLWRIGHT (SAN JOAQUIN COUNTY)	$ 49.27	32.41
CARPENTERS: JOURNEYMAN CARPENTER (SAN JOAQUIN COUNTY)	$ 46.77	30.82
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER (SAN JOAQUIN COUNTY)	$ 46.92	30.82
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (SAN JOAQUIN COUNTY)	$ 52.65	30.82

CARP0152-004 07/01/2020

	Rates	Fringes
CARPENTERS: MILLWRIGHT (CALAVERAS, MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES)	$ 47.92	32.41
CARPENTERS: JOURNEYMAN CARPENTER (CALAVERAS, MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES)	$ 45.42	30.82
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER CALAVERAS, MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES	$ 45.57	30.82
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (CALAVERAS, MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES)	$ 52.65	30.82

CARP0217-001 07/01/2023

	Rates	Fringes
CARPENTERS: MILLWRIGHT (SAN MATEO COUNTY)	$ 60.49	35.11
CARPENTERS: JOURNEYMAN CARPENTER (SAN MATEO COUNTY)	$ 60.39	33.52
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER		

SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING
ERECTOR, SAW FILER (SAN MATEO COUNTY).....$ 60.54 33.52
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (SAN
MATEO COUNTY).....$ 60.39 33.52

CARP0405-001 07/01/2021

	Rates	Fringes
CARPENTERS: MILLWRIGHT (SANTA CLARA COUNTY).....	$ 54.95	33.08
CARPENTERS: JOURNEYMAN CARPENTER (SANTA CLARA COUNTY).....	$ 54.85	31.49
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER (SANTA CLARA COUNTY).....	$ 55.00	31.49
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (SANTA CLARA COUNTY).....	$ 54.85	31.49

CARP0405-002 07/01/2021

	Rates	Fringes
CARPENTERS: MILLWRIGHT (SAN BENITO COUNTY).....	$ 51.47	33.08
CARPENTERS: JOURNEYMAN CARPENTER (SAN BENITO COUNTY).....	$ 48.97	31.49
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER (SAN BENITO COUNTY).....	$ 49.12	31.49
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (SAN BENITO COUNTY).....	$ 54.85	31.49

CARP0505-001 07/01/2021

	Rates	Fringes
CARPENTERS: MILLWRIGHT (SANTA CRUZ COUNTY).....	$ 51.47	33.08
CARPENTERS: JOURNEYMAN CARPENTER (SANTA CRUZ COUNTY).....	$ 48.97	31.49
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER (SANTA CRUZ COUNTY).....	$ 49.12	31.49
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (SANTA CRUZ COUNTY).....	$ 54.85	31.49

CARP0605-001 07/01/2021

	Rates	Fringes
CARPENTERS: MILLWRIGHT (MONTEREY COUNTY).....	$ 51.47	33.08
CARPENTERS: JOURNEYMAN CARPENTER (MONTEREY COUNTY)..	$ 48.97	31.49
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER (MONTEREY COUNTY).....	$ 49.12	31.49
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (MONTEREY COUNTY).....	$ 54.85	31.49

CARP0701-001 07/01/2021

	Rates	Fringes
CARPENTERS: MILLWRIGHT (FRESNO AND MADERA COUNTIES).	$ 50.12	33.08
CARPENTERS: JOURNEYMAN CARPENTER (FRESNO AND MADERA COUNTIES).....	$ 47.62	31.49
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER (FRESNO AND MADERA COUNTIES)...	$ 47.77	31.49
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (FRESNO AND MADERA COUNTIES).....	$ 54.85	31.49

CARP0713-001 07/01/2021

	Rates	Fringes
CARPENTERS: MILLWRIGHT (ALAMEDA COUNTY)	$ 54.95	33.08
CARPENTERS: JOURNEYMAN CARPENTER (ALAMEDA COUNTY)	$ 54.85	31.49
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER (ALAMEDA COUNTY)	$ 55.00	31.49
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (ALAMEDA COUNTY)	$ 54.85	31.49

CARP1109-001 07/01/2021

	Rates	Fringes
CARPENTERS: MILLWRIGHT (KINGS COUNTY)	$ 50.12	33.08
CARPENTERS: JOURNEYMAN CARPENTER (KINGS COUNTY)	$ 47.62	31.49
CARPENTERS: HARDWOOD FLOORLAYER, SHINGLER, POWER SAW OPERATOR, STEEL SCAFFOLD & STEEL SHORING ERECTOR, SAW FILER KINGS COUNTY	$ 47.77	31.49
CARPENTERS: BRIDGE BUILDER/HIGHWAY CARPENTER (KINGS COUNTY)	$ 54.85	31.49

ELEC0006-004 12/01/2025

	Rates	Fringes
SOUND & COMMUNICATIONS: TECHNICIAN (SAN FRANCISCO COUNTY) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK, LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL HAVING BUILDING ACCESS); EXCLUDING ENERGY MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE ELECTRICIAN	$ 67.65	31.78
SOUND & COMMUNICATIONS: INSTALLER SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK, LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL HAVING BUILDING ACCESS); EXCLUDING ENERGY MANAGEMENT SYSTEMS.		

FOOTNOTE: FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE ELECTRICIAN.(SAN FRANCISCO COUNTY).....$ 58.83 31.51

ELEC0006-007 06/01/2024

	Rates	Fringes
ELECTRICIAN (SAN FRANCISCO COUNTY).....	$ 91.25	48.05

ELEC0100-002 09/01/2025

	Rates	Fringes
ELECTRICIAN (FRESNO, KINGS, AND MADERA COUNTIES)....	$ 50.00	30.15

ELEC0100-005 12/01/2024

	Rates	Fringes
COMMUNICATIONS SYSTEM: TECHNICIAN (FRESNO, KINGS, MADERA) SCOPE OF WORK INCLUDES THE INSTALLATION TESTING, SERVICE AND MAINTENANCE, OF THE FOLLOWING SYSTEMS WHICH UTILIZE THE TRANSMISSION AND/OR TRANSFERENCE OF VOICE, SOUND, VISION AND DIGITAL FOR COMMERCIAL, EDUCATION, SECURITY AND ENTERTAINMENT PURPOSES FOR THE FOLLOWING: TV MONITORING AND SURVEILLANCE, BACKGROUND-FOREGROUND MUSIC, INTERCOM AND TELEPHONE INTERCONNECT, INVENTORY CONTROL SYSTEMS, MICROWAVE TRANSMISSION, MULTI-MEDIA, MULTIPLEX, NURSE CALL SYSTEM, RADIO PAGE, SCHOOL INTERCOM AND SOUND, BURGLAR ALARMS, AND LOW VOLTAGE MASTER CLOCK SYSTEMS. A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS BACKGROUND FOREGROUND MUSIC, INTERCOM AND TELEPHONE INTERCONNECT SYSTEMS, TELEPHONE SYSTEMS NURSE CALL SYSTEMS, RADIO PAGE SYSTEMS, SCHOOL INTERCOM AND SOUND SYSTEMS, BURGLAR ALARM SYSTEMS, LOW VOLTAGE, MASTER CLOCK SYSTEMS, MULTI-MEDIA/MULTIPLEX SYSTEMS, SOUND AND MUSICAL ENTERTAINMENT SYSTEMS, RF SYSTEMS, ANTENNAS AND WAVE GUIDE, B. FIRE ALARM SYSTEMS INSTALLATION, WIRE PULLING AND TESTING C. TELEVISION AND VIDEO SYSTEMS TELEVISION MONITORING AND SURVEILLANCE SYSTEMS VIDEO SECURITY SYSTEMS, VIDEO ENTERTAINMENT SYSTEMS, VIDEO EDUCATIONAL SYSTEMS, MICROWAVE TRANSMISSION SYSTEMS, CATV AND CCTV D. SECURITY SYSTEMS PERIMETER SECURITY SYSTEMS VIBRATION SENSOR SYSTEMS CARD ACCESS SYSTEMS ACCESS CONTROL SYSTEMS, SONAR/INFRARED MONITORING EQUIPMENT E. COMMUNICATIONS SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO THE ABOVE LISTED SYSTEMS SCADA (SUPERVISORY CONTROL AND DATA ACQUISITION) PCM (PULSE CODE MODULATION) INVENTORY CONTROL SYSTEMS, DIGITAL DATA SYSTEMS BROADBAND AND BASEBAND AND CARRIERS POINT OF SALE SYSTEMS, VSAT DATA SYSTEMS DATA COMMUNICATION SYSTEMS RF AND REMOTE CONTROL SYSTEMS, FIBER OPTIC DATA SYSTEMS WORK EXCLUDED RACEWAY SYSTEMS ARE NOT COVERED (EXCLUDING LADDER-RACK FOR THE PURPOSE OF THE ABOVE LISTED SYSTEMS). CHASES AND/OR NIPPLES (NOT TO EXCEED 10 FEET) MAY BE INSTALLED ON OPEN WIRING SYSTEMS.		

ENERGY MANAGEMENT SYSTEMS. SCADA (SUPERVISORY CONTROL AND DATA ACQUISITION) WHEN NOT INTRINSIC TO THE ABOVE LISTED SYSTEMS (IN THE SCOPE). FIRE ALARM SYSTEMS WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) SHALL BE PERFORMED AT THE ELECTRICIAN WAGE RATE, WHEN EITHER OF THE FOLLOWING TWO (2) CONDITIONS APPLY: 1. THE PROJECT INVOLVES NEW OR MAJOR REMODEL BUILDING TRADES CONSTRUCTION. 2. THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT.....$ 52.07 28.21

COMMUNICATIONS SYSTEM: INSTALLER (FRESNO, KINGS, MADERA) SCOPE OF WORK INCLUDES THE INSTALLATION TESTING, SERVICE AND MAINTENANCE, OF THE FOLLOWING SYSTEMS WHICH UTILIZE THE TRANSMISSION AND/OR TRANSFERENCE OF VOICE, SOUND, VISION AND DIGITAL FOR COMMERCIAL, EDUCATION, SECURITY AND ENTERTAINMENT PURPOSES FOR THE FOLLOWING: TV MONITORING AND SURVEILLANCE, BACKGROUND-FOREGROUND MUSIC, INTERCOM AND TELEPHONE INTERCONNECT, INVENTORY CONTROL SYSTEMS, MICROWAVE TRANSMISSION, MULTI-MEDIA, MULTIPLEX, NURSE CALL SYSTEM, RADIO PAGE, SCHOOL INTERCOM AND SOUND, BURGLAR ALARMS, AND LOW VOLTAGE MASTER CLOCK SYSTEMS. A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS BACKGROUND FOREGROUND MUSIC, INTERCOM AND TELEPHONE INTERCONNECT SYSTEMS, TELEPHONE SYSTEMS NURSE CALL SYSTEMS, RADIO PAGE SYSTEMS, SCHOOL INTERCOM AND SOUND SYSTEMS, BURGLAR ALARM SYSTEMS, LOW VOLTAGE, MASTER CLOCK SYSTEMS, MULTI-MEDIA/MULTIPLEX SYSTEMS, SOUND AND MUSICAL ENTERTAINMENT SYSTEMS, RF SYSTEMS, ANTENNAS AND WAVE GUIDE, B. FIRE ALARM SYSTEMS INSTALLATION, WIRE PULLING AND TESTING C. TELEVISION AND VIDEO SYSTEMS TELEVISION MONITORING AND SURVEILLANCE SYSTEMS VIDEO SECURITY SYSTEMS, VIDEO ENTERTAINMENT SYSTEMS, VIDEO EDUCATIONAL SYSTEMS, MICROWAVE TRANSMISSION SYSTEMS, CATV AND CCTV D. SECURITY SYSTEMS PERIMETER SECURITY SYSTEMS VIBRATION SENSOR SYSTEMS CARD ACCESS SYSTEMS ACCESS CONTROL SYSTEMS, SONAR/INFRARED MONITORING EQUIPMENT E. COMMUNICATIONS SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO THE ABOVE LISTED SYSTEMS SCADA (SUPERVISORY CONTROL AND DATA ACQUISITION) PCM (PULSE CODE MODULATION) INVENTORY CONTROL SYSTEMS, DIGITAL DATA SYSTEMS BROADBAND AND BASEBAND AND CARRIERS POINT OF SALE SYSTEMS, VSAT DATA SYSTEMS DATA COMMUNICATION SYSTEMS RF AND REMOTE CONTROL SYSTEMS, FIBER OPTIC DATA SYSTEMS WORK EXCLUDED RACEWAY SYSTEMS ARE NOT COVERED (EXCLUDING LADDER-RACK FOR THE PURPOSE OF THE ABOVE LISTED SYSTEMS). CHASES AND/OR NIPPLES (NOT TO EXCEED 10 FEET) MAY BE INSTALLED ON OPEN WIRING SYSTEMS. ENERGY MANAGEMENT SYSTEMS. SCADA (SUPERVISORY CONTROL AND DATA ACQUISITION) WHEN NOT INTRINSIC TO THE ABOVE LISTED SYSTEMS (IN THE SCOPE). FIRE ALARM SYSTEMS WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) SHALL BE PERFORMED AT THE ELECTRICIAN WAGE RATE, WHEN EITHER OF THE FOLLOWING TWO (2) CONDITIONS APPLY: 1. THE PROJECT INVOLVES NEW OR MAJOR REMODEL BUILDING TRADES CONSTRUCTION. 2. THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT.....$ 45.28 28.01

ELEC0234-001 12/30/2025

	Rates	Fringes
ELECTRICIAN (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES) ZONE A : ALL OF SANTA CRUZ, MONTEREY, AND SAN BENITO COUNTIES WITHIN 25 AIR MILES OF HIGHWAY 1 AND DOLAN ROAD IN MOSS LANDING, AND AN AREA EXTENDING 5 MILES EAST AND WEST OF HIGHWAY 101 SOUTH TO THE SAN LUIS OBISPO COUNTY LINE.....	$ 70.41	33.76
ELECTRICIAN (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES) ZONE B: ANY AREA OUTSIDE OF ZONE A.....	$ 77.45	33.97

ELEC0234-003 12/01/2021

	Rates	Fringes
SOUND & COMMUNICATIONS, TECHNICIAN (MONTEREY, SAN BENITO, AND SANTA CRUZ COUNTIES) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK, LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL HAVING BUILDING ACCESS); EXCLUDING ENERGY MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE ELECTRICIAN.....	$ 55.12	24.30
SOUND & COMMUNICATIONS, INSTALLER (MONTEREY, SAN BENITO, AND SANTA CRUZ COUNTIES).....	$ 47.93	24.09

ELEC0302-001 03/01/2025

	Rates	Fringes
ELECTRICIAN (CONTRA COSTA COUNTY).....	$ 66.26	35.84
CABLE SPLICER (CONTRA COSTA COUNTY).....	$ 74.54	36.09

ELEC0302-003 12/01/2025

	Rates	Fringes
SOUND & COMMUNICATIONS: TECHNICIAN (CONTRA COSTA COUNTY) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK,		

LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS
LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL
HAVING BUILDING ACCESS); EXCLUDING ENERGY
MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK
WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND
CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR
MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE
CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED
IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE
ELECTRICIAN.....$ 61.04 31.08
SOUND & COMMUNICATIONS: INSTALLER (CONTRA COSTA
COUNTY) SCOPE OF WORK: INCLUDING ANY DATA
SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR
RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA
SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL
FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION
OF TERMINATIONS AND TESTINGS OF CONDUCTORS
DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM
WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND
CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR
REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE
CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED
IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY
SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK,
LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS
LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL
HAVING BUILDING ACCESS); EXCLUDING ENERGY
MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK
WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND
CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR
MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE
CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED
IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE
ELECTRICIAN.....$ 53.08 30.84

ELEC0332-001 06/01/2025

	Rates	Fringes
ELECTRICIAN (SANTA CLARA COUNTY) FOOTNOTES: WORK UNDER COMPRESSED AIR OR WHERE GAS MASKS ARE REQUIRED, ORWORK ON LADDERS, SCAFFOLDS, STACKS, ""BOSUN'S CHAIRS,"" OR OTHER STRUCTURES AND WHERE THE WORKERS ARE NOT PROTECTED BY PERMANENT GUARD RAILS AT A DISTANCE OF 40 TO 60 FT. FROM THE GROUND OR SUPPORTING STRUCTURES: TO BE PAID ONE AND ONE-HALF TIMES THE STRAIGHT-TIME RATE OF PAY. WORK ON STRUCTURES OF 60 FT. OR OVER (AS DESCRIBED ABOVE): TO BE PAID TWICE THE STRAIGHT-TIME RATE OF PAY.....	$ 91.03	49.05
CABLE SPLICER (SANTA CLARA COUNTY) FOOTNOTES: WORK UNDER COMPRESSED AIR OR WHERE GAS MASKS ARE REQUIRED, ORWORK ON LADDERS, SCAFFOLDS, STACKS, ""BOSUN'S CHAIRS,"" OR OTHER STRUCTURES AND WHERE THE WORKERS ARE NOT PROTECTED BY PERMANENT GUARD RAILS AT A DISTANCE OF 40 TO 60 FT. FROM THE GROUND OR SUPPORTING STRUCTURES: TO BE PAID ONE AND ONE-HALF TIMES THE STRAIGHT-TIME RATE OF PAY. WORK ON STRUCTURES OF 60 FT. OR OVER (AS DESCRIBED ABOVE): TO BE PAID TWICE THE STRAIGHT-TIME RATE OF PAY.....	$ 104.68	49.46

ELEC0332-003 12/01/2025

	Rates	Fringes
SOUND & COMMUNICATIONS: TECHNICIAN (SANTA CLARA COUNTY) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR		

RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA
SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL
FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION
OF TERMINATIONS AND TESTINGS OF CONDUCTORS
DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM
WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND
CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR
REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE
CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED
IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY
SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK,
LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS
LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL
HAVING BUILDING ACCESS); EXCLUDING ENERGY
MANAGEMENT SYSTEMS.   FOOTNOTE: FIRE ALARM WORK
WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND
CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR
MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE
CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED
IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE
ELECTRICIAN.....$ 67.08 31.26
SOUND & COMMUNICATIONS: INSTALLER   (SANTA CLARA
COUNTY)   SCOPE OF WORK: INCLUDING ANY DATA
SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR
RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA
SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL
FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION
OF TERMINATIONS AND TESTINGS OF CONDUCTORS
DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM
WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND
CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR
REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE
CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED
IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY
SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK,
LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS
LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL
HAVING BUILDING ACCESS); EXCLUDING ENERGY
MANAGEMENT SYSTEMS.   FOOTNOTE: FIRE ALARM WORK
WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND
CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR
MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE
CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED
IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE
ELECTRICIAN.....$ 58.33 31.00

 ELEC0595-001 06/01/2025

	Rates	Fringes
ELECTRICIAN (ALAMEDA COUNTY)	$ 76.00	49.07
CABLE SPLICER (ALAMEDA COUNTY)	$ 87.40	49.41

 ELEC0595-002 06/01/2024

	Rates	Fringes
ELECTRICIAN: (2) ALL OTHER WORK (CALAVERAS AND SAN JOAQUIN COUNTIES)	$ 49.45	31.96
ELECTRICIAN: (1) TUNNEL WORK (CALAVERAS AND SAN JOAQUIN COUNTIES)	$ 51.92	32.04
CABLE SPLICER (CALAVERAS AND SAN JOAQUIN COUNTIES)	$ 59.34	32.26

 ELEC0595-006 12/01/2025

	Rates	Fringes
SOUND & COMMUNICATIONS: INSTALLER (ALAMEDA COUNTY)	$ 58.33	31.00

SOUND & COMMUNICATIONS, TECHNICIAN (ALAMEDA COUNTY) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK, LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL HAVING BUILDING ACCESS); EXCLUDING ENERGY MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE ELECTRICIAN.....$ 67.08 31.26

ELEC0595-008 12/01/2024

	Rates	Fringes
COMMUNICATIONS SYSTEM: TECHNICIAN (CALAVERAS AND SAN JOAQUIN COUNTIES) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK, LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL HAVING BUILDING ACCESS); EXCLUDING ENERGY MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE ELECTRICIAN.....$ 52.07	28.21
COMMUNICATIONS SYSTEM: INSTALLER (CALAVERAS AND SAN JOAQUIN COUNTIES) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY		

SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK, LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL HAVING BUILDING ACCESS); EXCLUDING ENERGY MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE ELECTRICIAN.....$ 45.28 28.01

ELEC0617-001 06/01/2025

	Rates	Fringes
ELECTRICIAN (SAN MATEO COUNTY).....	$ 86.00	51.07

ELEC0617-003 12/01/2025

	Rates	Fringes
SOUND & COMMUNICATIONS: TECHNICIAN (SAN MATEO COUNTY) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK, LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL HAVING BUILDING ACCESS); EXCLUDING ENERGY MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE ELECTRICIAN.....	$ 67.08	31.26
SOUND & COMMUNICATIONS: INSTALLER (SAN MATEO COUNTY) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK, LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL HAVING BUILDING ACCESS); EXCLUDING ENERGY MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE		

CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED
IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE
ELECTRICIAN.....$ 58.33 31.00

ELEC0684-001 12/01/2024

	Rates	Fringes
ELECTRICIAN (MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES) CABLE SPLICER = 110% OF JOURNEYMAN ELECTRICIAN	$ 48.50	30.09

ELEC0684-004 12/01/2024

	Rates	Fringes
COMMUNICATIONS SYSTEM: TECHNICIAN (MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK, LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL HAVING BUILDING ACCESS); EXCLUDING ENERGY MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE ELECTRICIAN	$ 52.07	28.21
COMMUNICATIONS SYSTEM: INSTALLER (MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES) SCOPE OF WORK: INCLUDING ANY DATA SYSTEM WHOSE ONLY FUNCTION IS TO TRANSMIT OR RECEIVE INFORMATION; EXCLUDING ALL OTHER DATA SYSTEMS OR MULTIPLE SYSTEMS WHICH INCLUDE CONTROL FUNCTION OR POWER SUPPLY; INCLUSION OR EXCLUSION OF TERMINATIONS AND TESTINGS OF CONDUCTORS DETERMINED BY THEIR FUNCTION; EXCLUDING FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING) AND WHEN PERFORMED ON NEW OR MAJOR REMODEL BUILDING PROJECTS OR JOBS FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN CONDUIT; EXCLUDING INSTALLATION OF RACEWAY SYSTEMS, LINE VOLTAGE WORK, INDUSTRIAL WORK, LIFE-SAFETY SYSTEMS (ALL BUILDINGS HAVING FLOORS LOCATED MORE THAN 75' ABOVE THE LOWEST FLOOR LEVEL HAVING BUILDING ACCESS); EXCLUDING ENERGY MANAGEMENT SYSTEMS. FOOTNOTE: FIRE ALARM WORK WHEN INSTALLED IN RACEWAYS (INCLUDING WIRE AND CABLE PULLING), ON PROJECTS WHICH INVOLVE NEW OR MAJOR REMODEL BUILDING CONSTRUCTION, FOR WHICH THE CONDUCTORS FOR THE FIRE ALARM SYSTEM ARE INSTALLED IN THE CONDUIT, SHALL BE PERFORMED BY THE INSIDE ELECTRICIAN	$ 45.28	28.01

ELEC1245-001 01/01/2025

	Rates	Fringes
LINE CONSTRUCTION: (3) GROUNDMAN HOLIDAYS: NEW YEAR'S DAY, M.L. KING DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY AND DAY AFTER THANKSGIVING, CHRISTMAS DAY	$ 40.76	21.76
LINE CONSTRUCTION: (2) EQUIPMENT SPECIALIST (OPERATES CRAWLER TRACTORS, COMMERCIAL MOTOR VEHICLES, BACKHOES, TRENCHERS, CRANES (50 TONS AND BELOW), OVERHEAD & UNDERGROUND DISTRIBUTION LINE EQUIPMENT) HOLIDAYS: NEW YEAR'S DAY, M.L. KING DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY AND DAY AFTER THANKSGIVING, CHRISTMAS DAY	$ 53.30	22.26
LINE CONSTRUCTION: (1) LINEMAN; CABLE SPLICER HOLIDAYS: NEW YEAR'S DAY, M.L. KING DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY AND DAY AFTER THANKSGIVING, CHRISTMAS DAY	$ 70.16	24.71

ELEV0008-001 01/01/2025

	Rates	Fringes
ELEVATOR MECHANIC FOOTNOTE: A. PAID VACATION: EMPLOYER CONTRIBUTES 8% OF REGULAR HOURLY RATE AS VACATION PAY CREDIT FOR EMPLOYEES WITH MORE THAN 5 YEARS OF SERVICE, AND 6% FOR 6 MONTHS TO 5 YEARS OF SERVICE. B. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS' DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING, AND CHRISTMAS DAY	$ 84.05	38.44

ENGI0003-001 06/29/2020

	Rates	Fringes
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 6	$ 42.50	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 5	$ 44.73	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 4	$ 47.37	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 3 (Truck Crane Oiler)	$ 45.12	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 3 (Oiler)	$ 42.89	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 3 (Lifting devices)	$ 49.14	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 2 (Truck Crane Oiler)	$ 45.41	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 2 (Oiler)	$ 43.11	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 2 (Lifting devices)	$ 50.82	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 1 (Truck Crane Oiler)	$ 45.66	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 1 (Oiler)	$ 43.38	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 1 (Lifting devices)	$ 52.64	31.15
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: UNDERGROUND: (GROUP 5)	$ 58.09	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: UNDERGROUND: (GROUP 4)	$ 59.23	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: UNDERGROUND: (GROUP 3)	$ 60.37	32.53

OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND
WORK - AREA 1:: UNDERGROUND: (GROUP 2).....$ 61.70 32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND
WORK - AREA 1:: UNDERGROUND: (GROUP 1-A).....$ 65.43 32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND
WORK - AREA 1:: UNDERGROUND: (GROUP 1).....$ 62.96 32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND
WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 5)...$ 58.19 32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND
WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 4)...$ 59.33 32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND
WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 3)...$ 60.47 32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND
WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 2)...$ 61.80 32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND
WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 1-A).$ 65.53 32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND
WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 1)...$ 63.06 32.53
OPERATOR: POWER EQUIPMENT, STEEL ERECTION - AREA
1:: GROUP 5.....$ 62.24 32.53
OPERATOR: POWER EQUIPMENT, STEEL ERECTION - AREA
1:: GROUP 4.....$ 63.54 32.53
OPERATOR: POWER EQUIPMENT, STEEL ERECTION - AREA
1:: GROUP 3.....$ 65.56 32.53
OPERATOR: POWER EQUIPMENT, STEEL ERECTION - AREA
1:: GROUP 2.....$ 67.04 32.53
OPERATOR: POWER EQUIPMENT, STEEL ERECTION - AREA
1:: GROUP 1.....$ 68.81 32.53
OPERATOR: POWER EQUIPMENT, CRANES AND ATTACHMENTS
- AREA 1:: GROUP 4.....$ 61.30 32.53
OPERATOR: POWER EQUIPMENT, CRANES AND ATTACHMENTS
- AREA 1:: GROUP 3 (Hydraulic).....$ 59.98 32.53
OPERATOR: POWER EQUIPMENT, CRANES AND ATTACHMENTS
- AREA 1:: GROUP 3 (Cranes).....$ 64.34 32.53
OPERATOR: POWER EQUIPMENT, CRANES AND ATTACHMENTS
- AREA 1:: GROUP 2.....$ 66.08 32.53
OPERATOR: POWER EQUIPMENT, CRANES AND ATTACHMENTS
- AREA 1:: GROUP 1.....$ 68.59 32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 8-A.....$ 55.49 32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 8.....$ 57.70 32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 7.....$ 58.84 32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 6.....$ 59.98 32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 5.....$ 61.30 32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 4.....$ 62.57 32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 3.....$ 63.95 32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 2.....$ 65.43 32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 1.....$ 66.96 32.53

ENGI0003-001 06/30/2025

	Rates	Fringes
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 6	$ 42.50	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 5	$ 44.73	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 4	$ 47.37	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 3 (Truck Crane Oiler)	$ 45.12	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 3 (Oiler)	$ 42.89	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 3 (Lifting devices)	$ 49.14	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 2 (Truck Crane Oiler)	$ 45.41	31.15

OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 2 (Oiler)	$ 43.11	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 2 (Lifting devices)	$ 50.82	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 1 (Truck Crane Oiler)	$ 45.66	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 1 (Oiler)	$ 43.38	31.15
OPERATOR: POWER EQUIPMENT, PILEDRIVING - AREA 1:: GROUP 1 (Lifting devices)	$ 52.64	31.15
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: UNDERGROUND: (GROUP 5)	$ 58.09	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: UNDERGROUND: (GROUP 4)	$ 59.23	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: UNDERGROUND: (GROUP 3)	$ 60.37	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: UNDERGROUND: (GROUP 2)	$ 61.70	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: UNDERGROUND: (GROUP 1-A)	$ 65.43	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: UNDERGROUND: (GROUP 1)	$ 62.96	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 5)...	$ 58.19	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 4)...	$ 59.33	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 3)...	$ 60.47	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 2)...	$ 61.80	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 1-A).	$ 65.53	32.53
OPERATOR: POWER EQUIPMENT, TUNNEL AND UNDERGROUND WORK - AREA 1:: SHAFTS, STOPES, RAISES: (GROUP 1)...	$ 63.06	32.53
OPERATOR: POWER EQUIPMENT, STEEL ERECTION - AREA 1:: GROUP 5	$ 62.24	32.53
OPERATOR: POWER EQUIPMENT, STEEL ERECTION - AREA 1:: GROUP 4	$ 63.54	32.53
OPERATOR: POWER EQUIPMENT, STEEL ERECTION - AREA 1:: GROUP 3	$ 65.56	32.53
OPERATOR: POWER EQUIPMENT, STEEL ERECTION - AREA 1:: GROUP 2	$ 67.04	32.53
OPERATOR: POWER EQUIPMENT, STEEL ERECTION - AREA 1:: GROUP 1	$ 68.81	32.53
OPERATOR: POWER EQUIPMENT, CRANES AND ATTACHMENTS - AREA 1:: GROUP 4	$ 61.30	32.53
OPERATOR: POWER EQUIPMENT, CRANES AND ATTACHMENTS - AREA 1:: GROUP 3 (Hydraulic)	$ 59.98	32.53
OPERATOR: POWER EQUIPMENT, CRANES AND ATTACHMENTS - AREA 1:: GROUP 3 (Cranes)	$ 64.34	32.53
OPERATOR: POWER EQUIPMENT, CRANES AND ATTACHMENTS - AREA 1:: GROUP 2	$ 66.08	32.53
OPERATOR: POWER EQUIPMENT, CRANES AND ATTACHMENTS - AREA 1:: GROUP 1	$ 68.59	32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 8-A	$ 55.49	32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 8	$ 57.70	32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 7	$ 58.84	32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 6	$ 59.98	32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 5	$ 61.30	32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 4	$ 62.57	32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 3	$ 63.95	32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 2	$ 65.43	32.53
OPERATOR: POWER EQUIPMENT, AREA 1:: GROUP 1	$ 66.96	32.53

ENGI0003-008 08/01/2024

	Rates	Fringes
DREDGING (CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING) AREA 2: (4) BARGEMAN; DECKHAND; FIREMAN; LEVEEHAND; OILER AREA DESCRIPTIONS AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES AREA 2: MODOC COUNTY THE REMAINGING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW: ALPINE COUNTY: AREA 1: NORTHERNMOST PART AREA 2: REMAINDER CALAVERAS COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART COLUSA COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER ELDORADO COUNTY: AREA 1: NORTH CENTRAL PART AREA 2: REMAINDER FRESNO COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART GLENN COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER LASSEN COUNTY: AREA 1: WESTERN PART ALONG THE SOUTHERN PORTION OF BORDER WITH SHASTA COUNTY AREA 2: REMAINDER MADERA COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART MARIPOSA COUNTY AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART MONTERREY COUNTY AREA 1: EXCEPT SOUTHWESTERN PART AREA 2: SOUTHWESTERN PART NEVADA COUNTY: AREA 1: ALL BUT THE NORTHERN PORTION ALONG THE BORDER OF SIERRA COUNTY AREA 2: REMAINDER PLACER COUNTY: AREA 1: AL BUT THE CENTRAL PORTION AREA 2: REMAINDER PLUMAS COUNTY: AREA 1: WESTERN PORTION AREA 2: REMAINDER SHASTA COUNTY: AREA 1: ALL BUT THE NORTHEASTERN CORNER AREA 2: REMAINDER SIERRA COUNTY: AREA 1: WESTERN PART AREA 2: REMAINDER SISKIYOU COUNTY: AREA 1: CENTRAL PART AREA 2: REMAINDER SONOMA COUNTY: AREA 1: ALL BUT THE NORTHWESTERN CORNER AREA 2: REMAINDER TEHAMA COUNTY: AREA 1: ALL BUT THE WESTERN BORDER WITH MENDOCINO & TRINITY COUNTIES AREA 2: REMAINDER TRINITY COUNTY: AREA 1: EAST CENTRAL PART AND THE NORTHEASTERN BORDER WITH SHASTA COUNTY AREA 2: REMAINDER TUOLUMNE COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART	$ 53.23	39.55
DREDGING (CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING) AREA 2: (3) BOOSTER PUMP OPERATOR; DECK ENGINEER; DECK MATE; DREDGE TENDER; WINCH OPERATOR AREA DESCRIPTIONS AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES AREA 2: MODOC COUNTY THE REMAINGING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW: ALPINE COUNTY: AREA 1: NORTHERNMOST PART AREA 2: REMAINDER CALAVERAS COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART COLUSA COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER ELDORADO COUNTY: AREA 1: NORTH CENTRAL PART AREA 2: REMAINDER FRESNO COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART GLENN COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER LASSEN COUNTY: AREA 1: WESTERN PART ALONG THE SOUTHERN PORTION OF BORDER WITH SHASTA COUNTY AREA 2: REMAINDER MADERA COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART MARIPOSA		

COUNTY AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART MONTERREY COUNTY AREA 1: EXCEPT SOUTHWESTERN PART AREA 2: SOUTHWESTERN PART NEVADA COUNTY: AREA 1: ALL BUT THE NORTHERN PORTION ALONG THE BORDER OF SIERRA COUNTY AREA 2: REMAINDER PLACER COUNTY: AREA 1: AL BUT THE CENTRAL PORTION AREA 2: REMAINDER PLUMAS COUNTY: AREA 1: WESTERN PORTION AREA 2: REMAINDER SHASTA COUNTY: AREA 1: ALL BUT THE NORTHEASTERN CORNER AREA 2: REMAINDER SIERRA COUNTY: AREA 1: WESTERN PART AREA 2: REMAINDER SISKIYOU COUNTY: AREA 1: CENTRAL PART AREA 2: REMAINDER SONOMA COUNTY: AREA 1: ALL BUT THE NORTHWESTERN CORNER AREA 2: REMAINDER TEHAMA COUNTY: AREA 1: ALL BUT THE WESTERN BORDER WITH MENDOCINO & TRINITY COUNTIES AREA 2: REMAINDER TRINITY COUNTY: AREA 1: EAST CENTRAL PART AND THE NORTHEASTERN BORDER WITH SHASTA COUNTY AREA 2: REMAINDER TUOLUMNE COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART.....$ 56.53 39.55

DREDGING (CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING) AREA 2: (2) DREDGE DOZER; HEAVY DUTY REPAIRMAN : AREA DESCRIPTIONS AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES AREA 2: MODOC COUNTY THE REMAINGING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW: ALPINE COUNTY: AREA 1: NORTHERNMOST PART AREA 2: REMAINDER CALAVERAS COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART COLUSA COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER ELDORADO COUNTY: AREA 1: NORTH CENTRAL PART AREA 2: REMAINDER FRESNO COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART GLENN COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER LASSEN COUNTY: AREA 1: WESTERN PART ALONG THE SOUTHERN PORTION OF BORDER WITH SHASTA COUNTY AREA 2: REMAINDER MADERA COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART MARIPOSA COUNTY AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART MONTERREY COUNTY AREA 1: EXCEPT SOUTHWESTERN PART AREA 2: SOUTHWESTERN PART NEVADA COUNTY: AREA 1: ALL BUT THE NORTHERN PORTION ALONG THE BORDER OF SIERRA COUNTY AREA 2: REMAINDER PLACER COUNTY: AREA 1: AL BUT THE CENTRAL PORTION AREA 2: REMAINDER PLUMAS COUNTY: AREA 1: WESTERN PORTION AREA 2: REMAINDER SHASTA COUNTY: AREA 1: ALL BUT THE NORTHEASTERN CORNER AREA 2: REMAINDER SIERRA COUNTY: AREA 1: WESTERN PART AREA 2: REMAINDER SISKIYOU COUNTY: AREA 1: CENTRAL PART AREA 2: REMAINDER SONOMA COUNTY: AREA 1: ALL BUT THE NORTHWESTERN CORNER AREA 2: REMAINDER TEHAMA COUNTY: AREA 1: ALL BUT THE WESTERN BORDER WITH MENDOCINO & TRINITY COUNTIES AREA 2: REMAINDER TRINITY COUNTY: AREA 1: EAST CENTRAL PART AND THE NORTHEASTERN BORDER WITH SHASTA COUNTY AREA 2: REMAINDER TUOLUMNE COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART.....$ 57.65 39.55

DREDGING (CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING) AREA 2: (1) LEVERMAN AREA DESCRIPTIONS AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO,

SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES AREA 2: MODOC COUNTY THE REMAINGING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW: ALPINE COUNTY: AREA 1: NORTHERNMOST PART AREA 2: REMAINDER CALAVERAS COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART COLUSA COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER ELDORADO COUNTY: AREA 1: NORTH CENTRAL PART AREA 2: REMAINDER FRESNO COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART GLENN COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER LASSEN COUNTY: AREA 1: WESTERN PART ALONG THE SOUTHERN PORTION OF BORDER WITH SHASTA COUNTY AREA 2: REMAINDER MADERA COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART MARIPOSA COUNTY AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART MONTERREY COUNTY AREA 1: EXCEPT SOUTHWESTERN PART AREA 2: SOUTHWESTERN PART NEVADA COUNTY: AREA 1: ALL BUT THE NORTHERN PORTION ALONG THE BORDER OF SIERRA COUNTY AREA 2: REMAINDER PLACER COUNTY: AREA 1: AL BUT THE CENTRAL PORTION AREA 2: REMAINDER PLUMAS COUNTY: AREA 1: WESTERN PORTION AREA 2: REMAINDER SHASTA COUNTY: AREA 1: ALL BUT THE NORTHEASTERN CORNER AREA 2: REMAINDER SIERRA COUNTY: AREA 1: WESTERN PART AREA 2: REMAINDER SISKIYOU COUNTY: AREA 1: CENTRAL PART AREA 2: REMAINDER SONOMA COUNTY: AREA 1: ALL BUT THE NORTHWESTERN CORNER AREA 2: REMAINDER TEHAMA COUNTY: AREA 1: ALL BUT THE WESTERN BORDER WITH MENDOCINO & TRINITY COUNTIES AREA 2: REMAINDER TRINITY COUNTY: AREA 1: EAST CENTRAL PART AND THE NORTHEASTERN BORDER WITH SHASTA COUNTY AREA 2: REMAINDER TUOLUMNE COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART.....$ 62.61 39.55

DREDGING (CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING) AREA 1: (4) BARGEMAN; DECKHAND; FIREMAN; LEVEEHAND; OILER AREA DESCRIPTIONS AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES AREA 2: MODOC COUNTY THE REMAINGING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW: ALPINE COUNTY: AREA 1: NORTHERNMOST PART AREA 2: REMAINDER CALAVERAS COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART COLUSA COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER ELDORADO COUNTY: AREA 1: NORTH CENTRAL PART AREA 2: REMAINDER FRESNO COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART GLENN COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER LASSEN COUNTY: AREA 1: WESTERN PART ALONG THE SOUTHERN PORTION OF BORDER WITH SHASTA COUNTY AREA 2: REMAINDER MADERA COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART MARIPOSA COUNTY AREA 1: EXCEPT EASTERN PART AREA 2: EASTERN PART MONTERREY COUNTY AREA 1: EXCEPT SOUTHWESTERN PART AREA 2: SOUTHWESTERN PART NEVADA COUNTY: AREA 1: ALL BUT THE NORTHERN PORTION ALONG THE BORDER OF SIERRA COUNTY AREA 2: REMAINDER PLACER COUNTY: AREA 1: AL BUT THE CENTRAL PORTION AREA 2: REMAINDER PLUMAS COUNTY: AREA 1: WESTERN PORTION AREA 2: REMAINDER SHASTA COUNTY: AREA 1: ALL BUT THE NORTHEASTERN

CORNER AREA 2: REMAINDER SIERRA COUNTY: AREA 1:
WESTERN PART AREA 2: REMAINDER SISKIYOU COUNTY:
AREA 1: CENTRAL PART AREA 2: REMAINDER SONOMA
COUNTY: AREA 1: ALL BUT THE NORTHWESTERN CORNER
AREA 2: REMAINDER TEHAMA COUNTY: AREA 1: ALL
BUT THE WESTERN BORDER WITH MENDOCINO & TRINITY
COUNTIES AREA 2: REMAINDER TRINITY COUNTY: AREA
1: EAST CENTRAL PART AND THE NORTHEASTERN BORDER
WITH SHASTA COUNTY AREA 2: REMAINDER TUOLUMNE
COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2:
EASTERN PART.....$ 51.23 39.55
DREDGING (CLAMSHELL & DIPPER DREDGING; HYDRAULIC
SUCTION DREDGING) AREA 1: (3) BOOSTER PUMP
OPERATOR; DECK ENGINEER; DECK MATE; DREDGE
TENDER; WINCH OPERATOR AREA DESCRIPTIONS
AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN,
MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN
FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA,
SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND
YUBA COUNTIES AREA 2: MODOC COUNTY THE
REMAINGING COUNTIES ARE SPLIT BETWEEN AREA 1 AND
AREA 2 AS NOTED BELOW: ALPINE COUNTY: AREA 1:
NORTHERNMOST PART AREA 2: REMAINDER CALAVERAS
COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART
COLUSA COUNTY: AREA 1: EASTERN PART AREA 2:
REMAINDER ELDORADO COUNTY: AREA 1: NORTH CENTRAL
PART AREA 2: REMAINDER FRESNO COUNTY: AREA
1: REMAINDER AREA 2: EASTERN PART GLENN
COUNTY: AREA 1: EASTERN PART AREA 2: REMAINDER
LASSEN COUNTY: AREA 1: WESTERN PART ALONG THE
SOUTHERN PORTION OF BORDER WITH SHASTA COUNTY AREA
2: REMAINDER MADERA COUNTY: AREA 1: EXCEPT
EASTERN PART AREA 2: EASTERN PART MARIPOSA
COUNTY AREA 1: EXCEPT EASTERN PART AREA 2:
EASTERN PART MONTERREY COUNTY AREA 1: EXCEPT
SOUTHWESTERN PART AREA 2: SOUTHWESTERN PART
NEVADA COUNTY: AREA 1: ALL BUT THE NORTHERN
PORTION ALONG THE BORDER OF SIERRA COUNTY AREA 2:
REMAINDER PLACER COUNTY: AREA 1: AL BUT THE
CENTRAL PORTION AREA 2: REMAINDER PLUMAS COUNTY:
AREA 1: WESTERN PORTION AREA 2: REMAINDER
SHASTA COUNTY: AREA 1: ALL BUT THE NORTHEASTERN
CORNER AREA 2: REMAINDER SIERRA COUNTY: AREA 1:
WESTERN PART AREA 2: REMAINDER SISKIYOU COUNTY:
AREA 1: CENTRAL PART AREA 2: REMAINDER SONOMA
COUNTY: AREA 1: ALL BUT THE NORTHWESTERN CORNER
AREA 2: REMAINDER TEHAMA COUNTY: AREA 1: ALL
BUT THE WESTERN BORDER WITH MENDOCINO & TRINITY
COUNTIES AREA 2: REMAINDER TRINITY COUNTY: AREA
1: EAST CENTRAL PART AND THE NORTHEASTERN BORDER
WITH SHASTA COUNTY AREA 2: REMAINDER TUOLUMNE
COUNTY: AREA 1: EXCEPT EASTERN PART AREA 2:
EASTERN PART.....$ 54.53 39.55
DREDGING (CLAMSHELL & DIPPER DREDGING; HYDRAULIC
SUCTION DREDGING) AREA 1: (1) LEVERMAN AREA
DESCRIPTIONS AREA 1: ALAMEDA,BUTTE, CONTRA
COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN
BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO,
SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS,
SUTTER, YOLO, AND YUBA COUNTIES AREA 2: MODOC
COUNTY THE REMAINGING COUNTIES ARE SPLIT BETWEEN
AREA 1 AND AREA 2 AS NOTED BELOW: ALPINE COUNTY:
AREA 1: NORTHERNMOST PART AREA 2: REMAINDER
CALAVERAS COUNTY: AREA 1: REMAINDER AREA 2:
EASTERN PART COLUSA COUNTY: AREA 1: EASTERN

PART AREA 2: REMAINDER ELDORADO COUNTY: AREA 1:
NORTH CENTRAL PART AREA 2: REMAINDER FRESNO
COUNTY: AREA 1: REMAINDER AREA 2: EASTERN PART
GLENN COUNTY: AREA 1: EASTERN PART AREA 2:
REMAINDER LASSEN COUNTY: AREA 1: WESTERN PART
ALONG THE SOUTHERN PORTION OF BORDER WITH SHASTA
COUNTY AREA 2: REMAINDER MADERA COUNTY: AREA
1: EXCEPT EASTERN PART AREA 2: EASTERN PART
MARIPOSA COUNTY AREA 1: EXCEPT EASTERN PART
AREA 2: EASTERN PART MONTERREY COUNTY AREA 1:
EXCEPT SOUTHWESTERN PART AREA 2: SOUTHWESTERN
PART NEVADA COUNTY: AREA 1: ALL BUT THE
NORTHERN PORTION ALONG THE BORDER OF SIERRA COUNTY
AREA 2: REMAINDER PLACER COUNTY: AREA 1: AL BUT
THE CENTRAL PORTION AREA 2: REMAINDER PLUMAS
COUNTY: AREA 1: WESTERN PORTION AREA 2:
REMAINDER SHASTA COUNTY: AREA 1: ALL BUT THE
NORTHEASTERN CORNER AREA 2: REMAINDER SIERRA
COUNTY: AREA 1: WESTERN PART AREA 2: REMAINDER
SISKIYOU COUNTY: AREA 1: CENTRAL PART AREA 2:
REMAINDER SONOMA COUNTY: AREA 1: ALL BUT THE
NORTHWESTERN CORNER AREA 2: REMAINDER TEHAMA
COUNTY: AREA 1: ALL BUT THE WESTERN BORDER WITH
MENDOCINO & TRINITY COUNTIES AREA 2: REMAINDER
TRINITY COUNTY: AREA 1: EAST CENTRAL PART AND THE
NORTHEASTERN BORDER WITH SHASTA COUNTY AREA 2:
REMAINDER TUOLUMNE COUNTY: AREA 1: EXCEPT
EASTERN PART AREA 2: EASTERN PART.....$ 60.61 39.55
DREDGING (CLAMSHELL & DIPPER DREDGING; HYDRAULIC
SUCTION DREDGING) AREA 1: (2) DREDGE DOZER; HEAVY
DUTY REPAIRMAN AREA DESCRIPTIONS AREA 1:
ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED,
NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN
JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ,
SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES
AREA 2: MODOC COUNTY THE REMAINGING COUNTIES
ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:
ALPINE COUNTY: AREA 1: NORTHERNMOST PART AREA
2: REMAINDER CALAVERAS COUNTY: AREA 1:
REMAINDER AREA 2: EASTERN PART COLUSA COUNTY:
AREA 1: EASTERN PART AREA 2: REMAINDER ELDORADO
COUNTY: AREA 1: NORTH CENTRAL PART AREA 2:
REMAINDER FRESNO COUNTY: AREA 1: REMAINDER
AREA 2: EASTERN PART GLENN COUNTY: AREA 1:
EASTERN PART AREA 2: REMAINDER LASSEN COUNTY:
AREA 1: WESTERN PART ALONG THE SOUTHERN PORTION OF
BORDER WITH SHASTA COUNTY AREA 2: REMAINDER
MADERA COUNTY: AREA 1: EXCEPT EASTERN PART AREA
2: EASTERN PART MARIPOSA COUNTY AREA 1: EXCEPT
EASTERN PART AREA 2: EASTERN PART MONTERREY
COUNTY AREA 1: EXCEPT SOUTHWESTERN PART AREA 2:
SOUTHWESTERN PART NEVADA COUNTY: AREA 1: ALL
BUT THE NORTHERN PORTION ALONG THE BORDER OF SIERRA
COUNTY AREA 2: REMAINDER PLACER COUNTY: AREA 1:
AL BUT THE CENTRAL PORTION AREA 2: REMAINDER
PLUMAS COUNTY: AREA 1: WESTERN PORTION AREA 2:
REMAINDER SHASTA COUNTY: AREA 1: ALL BUT THE
NORTHEASTERN CORNER AREA 2: REMAINDER SIERRA
COUNTY: AREA 1: WESTERN PART AREA 2: REMAINDER
SISKIYOU COUNTY: AREA 1: CENTRAL PART AREA 2:
REMAINDER SONOMA COUNTY: AREA 1: ALL BUT THE
NORTHWESTERN CORNER AREA 2: REMAINDER TEHAMA
COUNTY: AREA 1: ALL BUT THE WESTERN BORDER WITH
MENDOCINO & TRINITY COUNTIES AREA 2: REMAINDER
TRINITY COUNTY: AREA 1: EAST CENTRAL PART AND THE

NORTHEASTERN BORDER WITH SHASTA COUNTY AREA 2:
REMAINDER TUOLUMNE COUNTY: AREA 1: EXCEPT
EASTERN PART   AREA 2: EASTERN PART.....$ 55.65 39.55

ENGI0003-019 06/30/2025

	Rates	Fringes
OPERATOR: POWER EQUIPMENT, LANDSCAPE WORK ONLY: GROUP 3 (AREA 2)	$ 49.64	28.56
OPERATOR: POWER EQUIPMENT, LANDSCAPE WORK ONLY: GROUP 3 (AREA 1)	$ 47.64	28.56
OPERATOR: POWER EQUIPMENT, LANDSCAPE WORK ONLY: GROUP 2 (AREA 2)	$ 54.25	28.56
OPERATOR: POWER EQUIPMENT, LANDSCAPE WORK ONLY: GROUP 2 (AREA 1)	$ 52.25	28.56
OPERATOR: POWER EQUIPMENT, LANDSCAPE WORK ONLY: GROUP 1 (AREA 2)	$ 57.85	28.56
OPERATOR: POWER EQUIPMENT, LANDSCAPE WORK ONLY: GROUP 1 (AREA 1)	$ 55.85	28.56

IRON0377-001 01/01/2025

	Rates	Fringes
IRONWORKERS: ORNAMENTAL, REINFORCING AND STRUCTURAL (ALAMEDA, CONTRA COSTA, SAN MATEO, SANTA CLARA COUNTIES)	$ 55.33	35.15
IRONWORKERS: FENCE ERECTOR (ALAMEDA, CONTRA COSTA, SAN MATEO, SANTA CLARA COUNTIES)	$ 45.78	26.51

IRON0377-003 01/01/2025

	Rates	Fringes
IRONWORKERS: ORNAMENTAL, REINFORCING AND STRUCTURAL (SAN FRANCISCO CITY AND COUNTY)	$ 55.83	35.15
IRONWORKERS: FENCE ERECTOR (SAN FRANCISCO CITY AND COUNTY)	$ 45.78	26.51

IRON0433-005 01/01/2025

	Rates	Fringes
IRONWORKER: ORNAMENTAL, REINFORCING AND STRUCTURAL (REMAINING COUNTIES)	$ 50.70	35.15
IRONWORKER: FENCE ERECTOR (REMAINING COUNTIES)	$ 45.78	26.51

LABO0067-006 06/30/2025

	Rates	Fringes
LABORER, ASBESTOS/MOLD/LEAD LABORER: AREA 2	$ 38.15	30.03
LABORER, ASBESTOS/MOLD/LEAD LABORER: AREA 1	$ 39.15	30.03

LABO0073-002 07/01/2023

	Rates	Fringes
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON II INSTALLATION AND REMOVAL OF TEMPORARY/PERMANENT SIGNS, MARKERS, DELINEATORS AND CRASH CUSHIONS. (CALAVERAS AND SAN JOAQUIN COUNTIES)	$ 34.06	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON I LAYOUT OF TRAFFIC CONTROL, CRASH CUSHIONS, CONSTRUCTION AREA AND ROADSIDE SIGNAGE. (CALAVERAS AND SAN JOAQUIN COUNTIES)	$ 36.56	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: ESCORT DRIVER, FLAG PERSON (CALAVERAS AND SAN JOAQUIN COUNTIES)	$ 36.26	27.30

LABO0073-003 07/01/2023

	Rates	Fringes
LABORER: MASON TENDER-BRICK (SAN JOAQUIN COUNTY)....	$ 36.29	25.55

LABO0073-005 06/26/2023

	Rates	Fringes
TUNNEL AND SHAFT LABORERS: SHOTCRETE SPECIALIST.....	$ 46.41	27.72
TUNNEL AND SHAFT LABORERS: GROUP 5 GROUT CREW; REBOUNDMAN; SWAMPER/ BRAKEMAN.....	$ 44.42	27.72
TUNNEL AND SHAFT LABORERS: GROUP 4 VIBRATOR OPERATOR, PAVEMENT BREAKER; BULL GANG - MUCKERS, TRACKMEN; CONCRETE CREW - INCLUDES RODDING AND SPREADING, DUMPMEN (ANY METHOD).....	$ 44.96	27.72
TUNNEL AND SHAFT LABORERS: GROUP 3 BIT GRINDER; BLASTER, DRILLER, POWDERMEN, HEADING; CHERRY PICKERMEN - WHERE CAR IS LIFTED; CONCRETE FINISHER IN TUNNEL; CONCRETE SCREEDMAN; GROUT PUMPMAN AND POTMAN; GUNITE & SHOTCRETE GUNMAN & POTMAN; HEADERMEN; HIGH PRESSURE NOZZLEMAN; MINER - TUNNEL, INCLUDING TOP AND BOTTOM MAN ON SHAFT AND RAISE WORK; NIPPER; NOZZLEMAN ON SLICK LINE; SANDBLASTER - POTMAN, ROBOTIC SHOTCRETE PLACER, SEGMENT ERECTOR, TUNNEL MUCK HAULER, STEEL FORM RAISER AND SETTER; TIMBERMAN, RETIMBERMAN (WOOD OR STEEL OR SUBSTITUTE MATERIALS THEREFORE); TUGGER (FOR TUNNEL LABORER WORK); CABLE TENDER; CHUCK TENDER; POWDERMAN - PRIMER HOUSE.....	$ 45.41	27.72
TUNNEL AND SHAFT LABORERS: GROUP 2 RODMEN; SHAFT WORK & RAISE (BELOW ACTUAL OR EXCAVATED GROUND LEVEL).....	$ 45.66	27.72
TUNNEL AND SHAFT LABORERS: GROUP 1 DIAMOND DRILLER; GROUNDMEN; GUNITE AND SHOTCRETE NOZZLEMEN.....	$ 45.89	27.72

LABO0073-007 06/30/2025

	Rates	Fringes
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS (CALAVERAS AND SAN JOAQUIN COUNTIES)- (2) Establishment Warranty Period.....	$ 31.59	29.89
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS (CALAVERAS AND SAN JOAQUIN COUNTIES)- (1) New Construction.....	$ 37.90	29.89
LABORER, WRECKING: GROUP 2 Semi-skilled wrecker (salvaging of other building materials) (CALAVERAS AND SAN JOAQUIN COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....	$ 38.00	29.89
LABORER, WRECKING: GROUP 1 (CALAVERAS AND SAN JOAQUIN COUNTIES).....	$ 38.15	29.89
LABORER, GUNITE: GROUP 4 GUINTE LABORER (CALAVERAS AND SAN JOAQUIN COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....	$ 37.90	29.89
LABORER, GUNITE: GROUP 3 REBOUNDMAN (CALAVERAS AND SAN JOAQUIN COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING		

SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....$ 38.02 29.89

LABORER, GUNITE: GROUP 2 NOZZLEMAN, GUNMAN, POTMAN, GROUNDMAN (CALAVERAS AND SAN JOAQUIN COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW..$ 38.61 29.89

LABORER, GUNITE: GROUP 1 (CALAVERAS AND SAN JOAQUIN COUNTIES).....$ 39.11 29.89

LABORER, CONSTRUCTION CRAFT LABORERS: GROUP 4 FINAL CLEAN-UP WORK OF DEBRIS, GROUNDS AND BUILDING INCLUDING BUT NOT LIMITED TO: STREET CLEANER; CLEANING AND WASHING WINDOWS; BRICK CLEANER (JOBSITE ONLY); MATERIAL CLEANER (JOBSITE ONLY). THE CLASSIFICATION ""MATERIAL CLEANER"" IS TO BE UTILIZED UNDER THE FOLLOWING CONDITIONS: A: AT DEMOLITION SITE FOR THE SALVAGE OF THE MATERIAL. B: AT THE CONCLUSION OF A JOB WHERE THE MATERIAL IS TO BE SALVAGED AND STOCKED TO BE REUSED ON ANOTHER JOB. C: FOR THE CLEANING OF SALVAGE MATERIAL AT THE JOBSITE OR TEMPORARY JOBSITE YARD. THE MATERIAL CLEANER CLASSIFICATION SHOULD NOT BE USED IN THE PERFORMANCE OF ""FORM STRIPPING, CLEANING AND OILING AND MOVING TO THE NEXT POINT OF ERECTION"". (CALAVERAS AND SAN JOAQUIN COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 31.59 29.89

LABORER, CONSTRUCTION CRAFT LABORERS: GROUP 3 CONSTRUCTION LABORERS, INCLUDING BRIDGE AND GENERAL LABORER; DUMP, LOAD SPOTTER; FLAG PERSON; FIRE WATCHER; FENCE ERECTOR; GUARDRAIL ERECTOR; GARDENER, HORTICULTURAL AND LANDSCAPE LABORER; JETTING; LIMBER, BRUSH LOADER AND PILER; PAVEMENT MARKER (BUTTON SETTER); MAINTENANCE, REPAIR TRACK AND ROAD BEDS; STREETCAR AND RAILROAD CONSTRUCTION TRACK LABORER; TEMPORARY AIR AND WATER LINES, VICTAULIC OR SIMILAR; TOOL ROOM ATTENDANT (JOBSITE ONLY) (CALAVERAS AND SAN JOAQUIN COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE

RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO
RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.
   SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE
GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY
WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW
SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK
INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND
ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE
$5.00 PER DAY ABOVE GROUP 1 WAGE RATES.
MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL
EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL
RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR
ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT
SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL
NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND
LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER
WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY
COVER HAS BEEN PLACED.....$ 37.90 29.89
LABORER, CONSTRUCTION CRAFT LABORERS: GROUP 2
ASPHALT SHOVELER; CEMENT DUMPER AND HANDLING DRY
CEMENT OR GYPSUM; CHOKE-SETTER AND RIGGER (CLEARING
WORK); CONCRETE BUCKET DUMPER AND CHUTE; CONCRETE
CHIPPING AND GRINDING; CONCRETE LABORER (WET OR
DRY); DRILLER TENDER, CHUCK TENDER, NIPPER; GUINEA
CHASER (STAKE), GROUT CREW; HIGH PRESSURE NOZZLE,
ADDUCTOR; HYDRAULIC MONITOR (OVER 100 LBS.
PRESSURE); LOADING AND UNLOADING, CARRYING AND
HAULING OF ALL RODS AND MATERIALS FOR USE IN
REINFORCING CONCRETE CONSTRUCTION; PITTSBURGH
CHIPPER AND SIMILAR TYPE BRUSH SHREDDERS; SLOPER;
SINGLE FOOT, HAND-HELD, PNEUMATIC TAMPER; ALL
PNEUMATIC, AIR, GAS AND ELECTRIC TOOLS NOT LISTED
IN GROUPS 1 THROUGH 1-F; JACKING OF PIPE - UNDER 12
INCHES (CALAVERAS AND SAN JOAQUIN COUNTIES)
FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM
BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL
RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE
RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO
RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.
   SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE
GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY
WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW
SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK
INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND
ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE
$5.00 PER DAY ABOVE GROUP 1 WAGE RATES.
MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL
EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL
RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR
ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT
SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL
NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND
LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER
WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY
COVER HAS BEEN PLACED.....$ 38.00 29.89
LABORER, CONSTRUCTION CRAFT LABORERS: GROUP 1-E
WORK ON AND/OR IN BELL HOLE FOOTINGS AND SHAFTS
THEREOF, AND WORK ON AND IN DEEP FOOTINGS. (A DEEP
FOOTING IS A HOLE 15 FEET OR MORE IN DEPTH.) IN
THE EVENT THE DEPTH OF THE FOOTING IS UNKNOWN AT
THE COMMENCEMENT OF EXCAVATION, AND THE FINAL DEPTH
EXCEEDS 15 FEET, THE DEEP FOOTING WAGE RATE WOULD
APPLY TO ALL EMPLOYEES FOR EACH AND EVERY DAY
WORKED ON OR IN THE EXCAVATION OF THE FOOTING FROM
THE DATE OF INCEPTION. (CALAVERAS AND SAN JOAQUIN

COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 38.70 29.89

LABORER, CONSTRUCTION CRAFT LABORERS: GROUP 1-C BURNING AND WELDING IN CONNECTION WITH LABORERS' WORK; SYNTHETIC THERMOPLASTICS AND SIMILAR TYPE WELDING (CALAVERAS AND SAN JOAQUIN COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 38.20 29.89

LABORER, CONSTRUCTION CRAFT LABORERS: GROUP 1-A JOY DRILL MODEL TWM-2A; GARDNER-DENVER MODEL DH143 AND SIMILAR TYPE DRILLS; TRACK DRILLER; JACK LEG DRILLER; WAGON DRILLER; MECHANICAL DRILLERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; MECHANICAL PIPE LAYERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; BLASTER AND POWDER; ALL WORK OF LOADING, PLACING AND BLASTING OF ALL POWDER AND EXPLOSIVES OF WHATEVER TYPE REGARDLESS OF METHOD USED FOR SUCH LOADING AND PLACING; HIGH SCALERS (INCLUDING DRILLING OF SAME); TREE TOPPER; BIT GRINDER (CALAVERAS AND SAN JOAQUIN COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY

WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 38.37 29.89

LABORER, CONSTRUCTION CRAFT LABORERS: GROUP 1- ASPHALT SPREADER BOXES (ALL TYPES); BARKO, WACKER AND SIMILAR TYPE TAMPERS; BUGGYMOBILE; CAULKER, BANDER, PIPEWRAPPER, CONDUIT LAYER, PLASTIC PIPELAYER; CERTIFIED HAZARDOUS WASTE WORKER INCLUDING LEADE ABATEMENT; COMPACTORS OF ALL TYPES; CONCRETE AND MAGNESITE MIXER, 1/2 YD. AND UNDER; CONCRETE PAN WORK; CONCRETE SANDER; CONCRETE SAW; CRIBBER AND/OR SHORING; CUT GRANITE CURB SETTER; DRI-PAK-IT MACHINE; FALLER, LOGLOADER AND BUCKER; FORM RAISER, SLIP FORMS; GREEN CUTTER; HEADERBOARD, HUBSETTER, ALIGNER, BY ANY METHOD; HIGH PRESSURE BLOW PIPE (1-1/2"" OR OVER, 100 LBS. PRESSURE/OVER); HYDRO SEEDER AND SIMILAR TYPE; JACKHAMMER OPERATOR; JACKING OF PIPE OVER 12 INCHES; JACKSON AND SIMILAR TYPE COMPACTOR; KETTLE TENDER, POT AND WORKER APPLYING ASPHALT, LAY-KOLD, CREOSOTE, LIME, CAUSTIC AND SIMILAR TYPE MATERIALS (APPLYING MEANS APPLYING, DIPPING OR HANDLING OF SUCH MATERIALS); LAGGING, SHEETING, WHALING, BRACING, TRENCHJACKING, LAGGING HAMMER; MAGNESITE, EPOXYRESIN, FIBERGLASS, MASTIC WORKER (WET OR DRY); NO JOINT PIPE AND STRIPPING OF SAME, INCLUDING REPAIR OF VOIDS; PAVEMENT BREAKER AND SPADER, INCLUDING TOOL GRINDER; PERMA CURB; PIPELAYER (INCLUDING GRADE CHECKING IN CONNECTION WITH PIPELAYING); PRECAST-MANHOLE SETTER; PRESSURE PIPE TESTER; POST HOLE DIGGER, AIR, GAS AND ELECTRIC; POWER BROOM SWEEPER; POWER TAMPERS OF ALL TYPES (EXCEPT AS SHOWN IN GROUP 2); RAM SET GUN AND STUD GUN; RIPRAP STONEPAVER AND ROCK-SLINGER, INCLUDING PLACING OF SACKED CONCRETE AND/OR SAND (WET OR DRY) AND GABIONS AND SIMILAR TYPE; ROTARY SCARIFIER OR MULTIPLE HEAD CONCRETE CHIPPING SCARIFIER; ROTO AND DITCH WITCH; ROTOTILLER; SANDBLASTER, POT, GUN, NOZZLE OPERATORS; SIGNALLING AND RIGGING; TANK CLEANER; TREE CLIMBER; TURBO BLASTER; VIBRASCREED, BULL FLOAT IN CONNECTION WITH LABORERS' WORK; VIBRATOR; HAZARDOUS WASTE WORKER (LEAD REMOVAL); ASBESTOS AND MOLD REMOVAL WORKER (CALAVERAS AND SAN JOAQUIN COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER

MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1
WAGE RATES. MAINTENANCE AND REPAIR TRACK AND
ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED
HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR
REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND
STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS
PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK
BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO
CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE
TEMPORARY COVER HAS BEEN PLACED.....$ 38.15 29.89
LABORER, CONSTRUCTION CRAFT LABORERS: CONSTRUCTION
SPECIALIST GROUP ASPHALT IRONER AND RAKER;
CHAINSAW; LASER BEAM IN CONNECTION WITH LABORERS'
WORK; CAST-IN- PLACE MANHOLE FORM SETTER; PRESSURE
PIPELAYER; DAVIS TRENCHER - 300 OR SIMILAR TYPE
(AND ALL SMALL TRENCHERS); BLASTER; DIAMOND
DRILLER; MULTIPLE UNIT DRILL; HYDRAULIC DRILL
(CALAVERAS AND SAN JOAQUIN COUNTIES) FOOTNOTES:
LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS,
SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER
HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL
NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE
RATE SET FORTH IN GROUP 1-A BELOW. SEWER
CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1
WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO
HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN
SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE
RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL
RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00
PER DAY ABOVE GROUP 1 WAGE RATES.
MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL
EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL
RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR
ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT
SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL
NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND
LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER
WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY
COVER HAS BEEN PLACED.....$ 38.85 29.89
LABORER (CONSTRUCTION CRAFT LABORERS) GROUP 1-f
CALAVERAS AND SAN JOAQUIN COUNTIES.....$ 30.37 29.89

LABO0073-009 07/01/2023

	Rates	Fringes
LABORER, PLASTER TENDER (CALAVERAS AND SAN JOAQUIN COUNTIES) WORK ON A SWING STAGE SCAFFOLD: $1.00 PER HOUR ADDITIONAL.....	$ 39.77	28.54

LABO0261-003 07/01/2023

	Rates	Fringes
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON II INSTALLATION AND REMOVAL OF TEMPORARY/PERMANENT SIGNS, MARKERS, DELINEATORS AND CRASH CUSHIONS. (SAN FRANCISCO AND SAN MATEO COUNTIES).....	$ 35.06	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON I LAYOUT OF TRAFFIC CONTROL, CRASH CUSHIONS, CONSTRUCTION AREA AND ROADSIDE SIGNAGE. (SAN FRANCISCO AND SAN MATEO COUNTIES).....	$ 37.56	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: ESCORT DRIVER, FLAG PERSON (SAN FRANCISCO AND SAN MATEO COUNTIES).....	$ 37.26	27.30

LABO0261-005 06/26/2023

	Rates	Fringes
TUNNEL AND SHAFT LABORERS: SHOTCRETE SPECIALIST (SAN FRANCISCO AND SAN MATEO COUNTIES)	$ 46.41	27.72
TUNNEL AND SHAFT LABORERS: GROUP 5 GROUT CREW; REBOUNDMAN; SWAMPER/ BRAKEMAN (SAN FRANCISCO AND SAN MATEO COUNTIES)	$ 44.42	27.72
TUNNEL AND SHAFT LABORERS: GROUP 4 VIBRATOR OPERATOR, PAVEMENT BREAKER; BULL GANG - MUCKERS, TRACKMEN; CONCRETE CREW - INCLUDES RODDING AND SPREADING, DUMPMEN (ANY METHOD) (SAN FRANCISCO AND SAN MATEO COUNTIES)	$ 44.96	27.72
TUNNEL AND SHAFT LABORERS: GROUP 3 BIT GRINDER; BLASTER, DRILLER, POWDERMEN, HEADING; CHERRY PICKERMEN - WHERE CAR IS LIFTED; CONCRETE FINISHER IN TUNNEL; CONCRETE SCREEDMAN; GROUT PUMPMAN AND POTMAN; GUNITE & SHOTCRETE GUNMAN & POTMAN; HEADERMEN; HIGH PRESSURE NOZZLEMAN; MINER - TUNNEL, INCLUDING TOP AND BOTTOM MAN ON SHAFT AND RAISE WORK; NIPPER; NOZZLEMAN ON SLICK LINE; SANDBLASTER - POTMAN, ROBOTIC SHOTCRETE PLACER, SEGMENT ERECTOR, TUNNEL MUCK HAULER, STEEL FORM RAISER AND SETTER; TIMBERMAN, RETIMBERMAN (WOOD OR STEEL OR SUBSTITUTE MATERIALS THEREFORE); TUGGER (FOR TUNNEL LABORER WORK); CABLE TENDER; CHUCK TENDER; POWDERMAN - PRIMER HOUSE (SAN FRANCISCO AND SAN MATEO COUNTIES)	$ 45.41	27.72
TUNNEL AND SHAFT LABORERS: GROUP 2 RODMEN; SHAFT WORK & RAISE (BELOW ACTUAL OR EXCAVATED GROUND LEVEL) (SAN FRANCISCO AND SAN MATEO COUNTIES)	$ 45.66	27.72
TUNNEL AND SHAFT LABORERS: GROUP 1 DIAMOND DRILLER; GROUNDMEN; GUNITE AND SHOTCRETE NOZZLEMEN (SAN FRANCISCO AND SAN MATEO COUNTIES)	$ 45.89	27.72

LABO0261-009 06/26/2023

	Rates	Fringes
LABORERS:, GUNITE - AREA A:: GROUP 1 (SAN FRANCISCO, AND SAN MATEO COUNTIES)	$ 37.46	27.30
LABORERS:, GUNITE - AREA A: GROUP 4 GUNITE LABORER (SAN FRANCISCO, AND SAN MATEO COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.	$ 36.25	27.30
LABORERS:, GUNITE - AREA A: GROUP 3 REBOUNDMAN (SAN FRANCISCO, AND SAN MATEO COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.	$ 36.37	27.30
LABORERS:, GUNITE - AREA A: GROUP 2 NOZZLEMAN, GUNMAN, POTMAN, GROUNDMAN (SAN FRANCISCO, AND SAN MATEO COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.	$ 36.96	27.30
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA A: (SAN FRANCISCO, AND SAN MATEO COUNTIES)- (2) Establishment Warranty Period	$ 29.94	27.30

LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA A: (SAN FRANCISCO, AND SAN MATEO COUNTIES)- (1) New Construction.....$ 36.25 27.30

LABORER, WRECKING - AREA A:: GROUP 1 (SAN FRANCISCO, AND SAN MATEO COUNTIES).....$ 36.50 27.30

LABORER, WRECKING - AREA A: GROUP 2 Semi-skilled wrecker (salvaging of other building materials) (SAN FRANCISCO, AND SAN MATEO COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....$ 36.35 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 4 FINAL CLEAN-UP WORK OF DEBRIS, GROUNDS AND BUILDING INCLUDING BUT NOT LIMITED TO: STREET CLEANER; CLEANING AND WASHING WINDOWS; BRICK CLEANER (JOBSITE ONLY); MATERIAL CLEANER (JOBSITE ONLY). THE CLASSIFICATION ""MATERIAL CLEANER"" IS TO BE UTILIZED UNDER THE FOLLOWING CONDITIONS: A: AT DEMOLITION SITE FOR THE SALVAGE OF THE MATERIAL. B: AT THE CONCLUSION OF A JOB WHERE THE MATERIAL IS TO BE SALVAGED AND STOCKED TO BE REUSED ON ANOTHER JOB. C: FOR THE CLEANING OF SALVAGE MATERIAL AT THE JOBSITE OR TEMPORARY JOBSITE YARD. THE MATERIAL CLEANER CLASSIFICATION SHOULD NOT BE USED IN THE PERFORMANCE OF ""FORM STRIPPING, CLEANING AND OILING AND MOVING TO THE NEXT POINT OF ERECTION"". (SAN FRANCISCO, AND SAN MATEO COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 29.94 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 3 CONSTRUCTION LABORERS, INCLUDING BRIDGE AND GENERAL LABORER; DUMP, LOAD SPOTTER; FLAG PERSON; FIRE WATCHER; FENCE ERECTOR; GUARDRAIL ERECTOR; GARDENER, HORTICULTURAL AND LANDSCAPE LABORER; JETTING; LIMBER, BRUSH LOADER AND PILER; PAVEMENT MARKER (BUTTON SETTER); MAINTENANCE, REPAIR TRACK AND ROAD BEDS; STREETCAR AND RAILROAD CONSTRUCTION TRACK LABORER; TEMPORARY AIR AND WATER LINES, VICTAULIC OR SIMILAR; TOOL ROOM ATTENDANT (JOBSITE ONLY) (SAN FRANCISCO, AND SAN MATEO COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL

RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.
SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES.
MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.25 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A:
GROUP 2 ASPHALT SHOVELER; CEMENT DUMPER AND HANDLING DRY CEMENT OR GYPSUM; CHOKE-SETTER AND RIGGER (CLEARING WORK); CONCRETE BUCKET DUMPER AND CHUTE; CONCRETE CHIPPING AND GRINDING; CONCRETE LABORER (WET OR DRY); DRILLER TENDER, CHUCK TENDER, NIPPER; GUINEA CHASER (STAKE), GROUT CREW; HIGH PRESSURE NOZZLE, ADDUCTOR; HYDRAULIC MONITOR (OVER 100 LBS. PRESSURE); LOADING AND UNLOADING, CARRYING AND HAULING OF ALL RODS AND MATERIALS FOR USE IN REINFORCING CONCRETE CONSTRUCTION; PITTSBURGH CHIPPER AND SIMILAR TYPE BRUSH SHREDDERS; SLOPER; SINGLE FOOT, HAND-HELD, PNEUMATIC TAMPER; ALL PNEUMATIC, AIR, GAS AND ELECTRIC TOOLS NOT LISTED IN GROUPS 1 THROUGH 1-F; JACKING OF PIPE - UNDER 12 INCHES (SAN FRANCISCO, AND SAN MATEO COUNTIES)
FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.
SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES.
MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.35 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A:
GROUP 1-E WORK ON AND/OR IN BELL HOLE FOOTINGS AND SHAFTS THEREOF, AND WORK ON AND IN DEEP FOOTINGS. (A DEEP FOOTING IS A HOLE 15 FEET OR MORE IN DEPTH.) IN THE EVENT THE DEPTH OF THE FOOTING IS UNKNOWN AT THE COMMENCEMENT OF EXCAVATION, AND THE FINAL DEPTH EXCEEDS 15 FEET, THE DEEP FOOTING WAGE RATE WOULD APPLY TO ALL EMPLOYEES FOR EACH AND EVERY DAY WORKED ON OR IN THE EXCAVATION OF THE

FOOTING FROM THE DATE OF INCEPTION. (SAN FRANCISCO, AND SAN MATEO COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 37.05 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-C BURNING AND WELDING IN CONNECTION WITH LABORERS' WORK; SYNTHETIC THERMOPLASTICS AND SIMILAR TYPE WELDING (SAN FRANCISCO, AND SAN MATEO COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.55 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-A JOY DRILL MODEL TWM-2A; GARDNER-DENVER MODEL DH143 AND SIMILAR TYPE DRILLS; TRACK DRILLER; JACK LEG DRILLER; WAGON DRILLER; MECHANICAL DRILLERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; MECHANICAL PIPE LAYERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; BLASTER AND POWDER; ALL WORK OF LOADING, PLACING AND BLASTING OF ALL POWDER AND EXPLOSIVES OF WHATEVER TYPE REGARDLESS OF METHOD USED FOR SUCH LOADING AND PLACING; HIGH SCALERS (INCLUDING DRILLING OF SAME); TREE TOPPER; BIT GRINDER (SAN FRANCISCO, AND SAN MATEO COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH

IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.72 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1- ASPHALT SPREADER BOXES (ALL TYPES); BARKO, WACKER AND SIMILAR TYPE TAMPERS; BUGGYMOBILE; CAULKER, BANDER, PIPEWRAPPER, CONDUIT LAYER, PLASTIC PIPELAYER; CERTIFIED HAZARDOUS WASTE WORKER INCLUDING LEADE ABATEMENT; COMPACTORS OF ALL TYPES; CONCRETE AND MAGNESITE MIXER, 1/2 YD. AND UNDER; CONCRETE PAN WORK; CONCRETE SANDER; CONCRETE SAW; CRIBBER AND/OR SHORING; CUT GRANITE CURB SETTER; DRI-PAK-IT MACHINE; FALLER, LOGLOADER AND BUCKER; FORM RAISER, SLIP FORMS; GREEN CUTTER; HEADERBOARD, HUBSETTER, ALIGNER, BY ANY METHOD; HIGH PRESSURE BLOW PIPE (1-1/2"" OR OVER, 100 LBS. PRESSURE/OVER); HYDRO SEEDER AND SIMILAR TYPE; JACKHAMMER OPERATOR; JACKING OF PIPE OVER 12 INCHES; JACKSON AND SIMILAR TYPE COMPACTOR; KETTLE TENDER, POT AND WORKER APPLYING ASPHALT, LAY-KOLD, CREOSOTE, LIME, CAUSTIC AND SIMILAR TYPE MATERIALS (APPLYING MEANS APPLYING, DIPPING OR HANDLING OF SUCH MATERIALS); LAGGING, SHEETING, WHALING, BRACING, TRENCHJACKING, LAGGING HAMMER; MAGNESITE, EPOXYRESIN, FIBERGLASS, MASTIC WORKER (WET OR DRY); NO JOINT PIPE AND STRIPPING OF SAME, INCLUDING REPAIR OF VOIDS; PAVEMENT BREAKER AND SPADER, INCLUDING TOOL GRINDER; PERMA CURB; PIPELAYER (INCLUDING GRADE CHECKING IN CONNECTION WITH PIPELAYING); PRECAST-MANHOLE SETTER; PRESSURE PIPE TESTER; POST HOLE DIGGER, AIR, GAS AND ELECTRIC; POWER BROOM SWEEPER; POWER TAMPERS OF ALL TYPES (EXCEPT AS SHOWN IN GROUP 2); RAM SET GUN AND STUD GUN; RIPRAP STONEPAVER AND ROCK-SLINGER, INCLUDING PLACING OF SACKED CONCRETE AND/OR SAND (WET OR DRY) AND GABIONS AND SIMILAR TYPE; ROTARY SCARIFIER OR MULTIPLE HEAD CONCRETE CHIPPING SCARIFIER; ROTO AND DITCH WITCH; ROTOTILLER; SANDBLASTER, POT, GUN, NOZZLE OPERATORS; SIGNALLING AND RIGGING; TANK CLEANER; TREE CLIMBER; TURBO BLASTER; VIBRASCREED, BULL FLOAT IN CONNECTION WITH LABORERS' WORK; VIBRATOR; HAZARDOUS WASTE WORKER (LEAD REMOVAL); ASBESTOS AND MOLD REMOVAL WORKER SAN FRANCISCO, AND SAN MATEO COUNTIES FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER

SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED. .....$ 36.50 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: CONSTRUCTION SPECIALIST GROUP ASPHALT IRONER AND RAKER; CHAINSAW; LASER BEAM IN CONNECTION WITH LABORERS' WORK; CAST-IN- PLACE MANHOLE FORM SETTER; PRESSURE PIPELAYER; DAVIS TRENCHER - 300 OR SIMILAR TYPE (AND ALL SMALL TRENCHERS); BLASTER; DIAMOND DRILLER; MULTIPLE UNIT DRILL; HYDRAULIC DRILL (SAN FRANCISCO, AND SAN MATEO COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 37.20 27.30

LABO0261-011 07/01/2023

	Rates	Fringes
MASON TENDER, BRICK SAN FRANCISCO AND SAN MATEO COUNTIES FOOTNOTES: UNDERGROUND WORK SUCH AS SEWERS, MANHOLES, CATCH BASINS, SEWER PIPES, TELEPHONE CONDUITS, TUNNELS AND CUT TRENCHES: $5.00 PER DAY ADDITIONAL. WORK IN LIVE SEWAGE: $2.50 PER DAY ADDITIONAL.....	$ 37.05	27.45

LABO0261-014 07/01/2023

	Rates	Fringes
PLASTER TENDER (SAN FRANCISCO AND SAN MATEO COUNTIES) WORK ON A SWING STAGE SCAFFOLD: $1.00 PER HOUR ADDITIONAL.....	$ 41.93	30.32

LABO0270-003 07/01/2023

	Rates	Fringes
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON II (Area B).....	$ 34.06	27.30

LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON II (Area A).....$ 35.06 27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON I (Area B).....$ 36.56 27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON I (Area A).....$ 37.56 27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: ESCORT DRIVER, FLAG PERSON (Area B).....$ 36.26 27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: ESCORT DRIVER, FLAG PERSON (Area A).....$ 37.26 27.30

LABO0270-004 06/26/2023

	Rates	Fringes
TUNNEL AND SHAFT LABORERS: SHOTCRETE SPECIALIST (MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES)	$ 46.41	27.72
TUNNEL AND SHAFT LABORERS: GROUP 5 GROUT CREW; REBOUNDMAN; SWAMPER/ BRAKEMAN (MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES)	$ 44.42	27.72
TUNNEL AND SHAFT LABORERS: GROUP 4 VIBRATOR OPERATOR, PAVEMENT BREAKER; BULL GANG - MUCKERS, TRACKMEN; CONCRETE CREW - INCLUDES RODDING AND SPREADING, DUMPMEN (ANY METHOD) (MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES)	$ 44.96	27.72
TUNNEL AND SHAFT LABORERS: GROUP 3 BIT GRINDER; BLASTER, DRILLER, POWDERMEN, HEADING; CHERRY PICKERMEN - WHERE CAR IS LIFTED; CONCRETE FINISHER IN TUNNEL; CONCRETE SCREEDMAN; GROUT PUMPMAN AND POTMAN; GUNITE & SHOTCRETE GUNMAN & POTMAN; HEADERMEN; HIGH PRESSURE NOZZLEMAN; MINER - TUNNEL, INCLUDING TOP AND BOTTOM MAN ON SHAFT AND RAISE WORK; NIPPER; NOZZLEMAN ON SLICK LINE; SANDBLASTER - POTMAN, ROBOTIC SHOTCRETE PLACER, SEGMENT ERECTOR, TUNNEL MUCK HAULER, STEEL FORM RAISER AND SETTER; TIMBERMAN, RETIMBERMAN (WOOD OR STEEL OR SUBSTITUTE MATERIALS THEREFORE); TUGGER (FOR TUNNEL LABORER WORK); CABLE TENDER; CHUCK TENDER; POWDERMAN - PRIMER HOUSE (MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES)	$ 45.41	27.72
TUNNEL AND SHAFT LABORERS: GROUP 2 RODMEN; SHAFT WORK & RAISE (BELOW ACTUAL OR EXCAVATED GROUND LEVEL) (MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES)	$ 45.66	27.72
TUNNEL AND SHAFT LABORERS: GROUP 1: DIAMOND DRILLER; GROUNDMEN; GUNITE AND SHOTCRETE NOZZLEMEN (MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES)	$ 45.89	27.72

LABO0270-005 07/01/2023

	Rates	Fringes
LABORER: MASON TENDER-BRICK (MONTEREY AND SAN BENITO COUNTIES)	$ 36.29	25.55

LABO0270-007 06/26/2023

	Rates	Fringes
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES)- (2) Establishment Warranty Period...	$ 28.94	27.30
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES)- (1) New Construction	$ 35.25	27.30
LABORER, WRECKING - AREA B: GROUP 2 Semi-skilled		

wrecker (salvaging of other building materials)
(MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES)
FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM
BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL
RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE
RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO
RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW..$ 35.35 27.30
LABORER, WRECKING - AREA B: GROUP 1 (MONTEREY, SAN
BENITO AND SANTA CRUZ COUNTIES).....$ 35.50 27.30
LABORER, GUNITE - AREA B: GROUP 4 GUNITE LABORER
(MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES)
FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM
BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL
RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE
RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO
RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW..$ 35.25 27.30
LABORER, GUNITE - AREA B: GROUP 3REBOUNDMAN
(MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES)
FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM
BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL
RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE
RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO
RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW..$ 35.37 27.30
LABORER, GUNITE - AREA B: GROUP 2 NOZZLEMAN,
GUNMAN, POTMAN, GROUNDMAN (MONTEREY, SAN BENITO AND
SANTA CRUZ COUNTIES) FOOTNOTES: LABORERS WORKING
OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING
SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE
THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO
WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH
IN GROUP 1-A BELOW.....$ 35.96 27.30
LABORER, GUNITE - AREA B: GROUP 1 (MONTEREY, SAN
BENITO AND SANTA CRUZ COUNTIES).....$ 36.46 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA B:
GROUP 4 (MONTEREY, SAN BENITO AND SANTA CRUZ
COUNTIES) FINAL CLEAN-UP WORK OF DEBRIS, GROUNDS
AND BUILDING INCLUDING BUT NOT LIMITED TO: STREET
CLEANER; CLEANING AND WASHING WINDOWS; BRICK
CLEANER (JOBSITE ONLY); MATERIAL CLEANER (JOBSITE
ONLY). THE CLASSIFICATION ""MATERIAL CLEANER"" IS TO
BE UTILIZED UNDER THE FOLLOWING CONDITIONS:
A: AT DEMOLITION SITE FOR THE SALVAGE OF THE
MATERIAL. B: AT THE CONCLUSION OF A JOB WHERE
THE MATERIAL IS TO BE SALVAGED AND STOCKED TO BE
REUSED ON ANOTHER JOB. C: FOR THE CLEANING OF
SALVAGE MATERIAL AT THE JOBSITE OR TEMPORARY
JOBSITE YARD. THE MATERIAL CLEANER
CLASSIFICATION SHOULD NOT BE USED IN THE
PERFORMANCE OF ""FORM STRIPPING, CLEANING AND
OILING AND MOVING TO THE NEXT POINT OF ERECTION"".
(MONTEREY, SAN BENITO AND SANTA CRUZ
COUNTIES) FOOTNOTES: LABORERS WORKING OFF
OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS,
BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE
APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO
WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH
IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE
$4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER
CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN
CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS.
THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE
DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER
MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1
WAGE RATES. MAINTENANCE AND REPAIR TRACK AND
ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED

HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 28.94 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 3 CONSTRUCTION LABORERS, INCLUDING BRIDGE AND GENERAL LABORER; DUMP, LOAD SPOTTER; FLAG PERSON; FIRE WATCHER; FENCE ERECTOR; GUARDRAIL ERECTOR; GARDENER, HORTICULTURAL AND LANDSCAPE LABORER; JETTING; LIMBER, BRUSH LOADER AND PILER; PAVEMENT MARKER (BUTTON SETTER); MAINTENANCE, REPAIR TRACK AND ROAD BEDS; STREETCAR AND RAILROAD CONSTRUCTION TRACK LABORER; TEMPORARY AIR AND WATER LINES, VICTAULIC OR SIMILAR; TOOL ROOM ATTENDANT (JOBSITE ONLY) (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 35.25 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 2 ASPHALT SHOVELER; CEMENT DUMPER AND HANDLING DRY CEMENT OR GYPSUM; CHOKE-SETTER AND RIGGER (CLEARING WORK); CONCRETE BUCKET DUMPER AND CHUTE; CONCRETE CHIPPING AND GRINDING; CONCRETE LABORER (WET OR DRY); DRILLER TENDER, CHUCK TENDER, NIPPER; GUINEA CHASER (STAKE), GROUT CREW; HIGH PRESSURE NOZZLE, ADDUCTOR; HYDRAULIC MONITOR (OVER 100 LBS. PRESSURE); LOADING AND UNLOADING, CARRYING AND HAULING OF ALL RODS AND MATERIALS FOR USE IN REINFORCING CONCRETE CONSTRUCTION; PITTSBURGH CHIPPER AND SIMILAR TYPE BRUSH SHREDDERS; SLOPER; SINGLE FOOT, HAND-HELD, PNEUMATIC TAMPER; ALL PNEUMATIC, AIR, GAS AND ELECTRIC TOOLS NOT LISTED IN GROUPS 1 THROUGH 1-F; JACKING OF PIPE - UNDER 12 INCHES (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE

DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 35.35 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1-F WIRE WINDING MACHINE IN CONNECTION WITH GUNITING OR SHOT CRETE (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.08 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1-E WORK ON AND/OR IN BELL HOLE FOOTINGS AND SHAFTS THEREOF, AND WORK ON AND IN DEEP FOOTINGS. (A DEEP FOOTING IS A HOLE 15 FEET OR MORE IN DEPTH.) IN THE EVENT THE DEPTH OF THE FOOTING IS UNKNOWN AT THE COMMENCEMENT OF EXCAVATION, AND THE FINAL DEPTH EXCEEDS 15 FEET, THE DEEP FOOTING WAGE RATE WOULD APPLY TO ALL EMPLOYEES FOR EACH AND EVERY DAY WORKED ON OR IN THE EXCAVATION OF THE FOOTING FROM THE DATE OF INCEPTION. (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER

WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.05 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1-C BURNING AND WELDING IN CONNECTION WITH LABORERS' WORK; SYNTHETIC THERMOPLASTICS AND SIMILAR TYPE WELDING (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 35.55 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1-A JOY DRILL MODEL TWM-2A; GARDNER-DENVER MODEL DH143 AND SIMILAR TYPE DRILLS; TRACK DRILLER; JACK LEG DRILLER; WAGON DRILLER; MECHANICAL DRILLERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; MECHANICAL PIPE LAYERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; BLASTER AND POWDER; ALL WORK OF LOADING, PLACING AND BLASTING OF ALL POWDER AND EXPLOSIVES OF WHATEVER TYPE REGARDLESS OF METHOD USED FOR SUCH LOADING AND PLACING; HIGH SCALERS (INCLUDING DRILLING OF SAME); TREE TOPPER; BIT GRINDER (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 35.72 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1- LABORER CLASSIFICATIONS CONSTRUCTION SPECIALIST GROUP: ASPHALT IRONER AND RAKER; CHAINSAW; LASER BEAM IN CONNECTION WITH LABORERS' WORK; CAST-IN- PLACE MANHOLE FORM SETTER; PRESSURE

PIPELAYER; DAVIS TRENCHER - 300 OR SIMILAR TYPE (AND ALL SMALL TRENCHERS); BLASTER; DIAMOND DRILLER; MULTIPLE UNIT DRILL; HYDRAULIC DRILL. GROUP 1: ASPHALT SPREADER BOXES (ALL TYPES); BARKO, WACKER AND SIMILAR TYPE TAMPERS; BUGGYMOBILE; CAULKER, BANDER, PIPEWRAPPER, CONDUIT LAYER, PLASTIC PIPELAYER; CERTIFIED HAZARDOUS WASTE WORKER INCLUDING LEADE ABATEMENT; COMPACTORS OF ALL TYPES; CONCRETE AND MAGNESITE MIXER, 1/2 YD. AND UNDER; CONCRETE PAN WORK; CONCRETE SANDER; CONCRETE SAW; CRIBBER AND/OR SHORING; CUT GRANITE CURB SETTER; DRI-PAK-IT MACHINE; FALLER, LOGLOADER AND BUCKER; FORM RAISER, SLIP FORMS; GREEN CUTTER; HEADERBOARD, HUBSETTER, ALIGNER, BY ANY METHOD; HIGH PRESSURE BLOW PIPE (1-1/2"" OR OVER, 100 LBS. PRESSURE/OVER); HYDRO SEEDER AND SIMILAR TYPE; JACKHAMMER OPERATOR; JACKING OF PIPE OVER 12 INCHES; JACKSON AND SIMILAR TYPE COMPACTOR; KETTLE TENDER, POT AND WORKER APPLYING ASPHALT, LAY-KOLD, CREOSOTE, LIME, CAUSTIC AND SIMILAR TYPE MATERIALS (APPLYING MEANS APPLYING, DIPPING OR HANDLING OF SUCH MATERIALS); LAGGING, SHEETING, WHALING, BRACING, TRENCHJACKING, LAGGING HAMMER; MAGNESITE, EPOXYRESIN, FIBERGLASS, MASTIC WORKER (WET OR DRY); NO JOINT PIPE AND STRIPPING OF SAME, INCLUDING REPAIR OF VOIDS; PAVEMENT BREAKER AND SPADER, INCLUDING TOOL GRINDER; PERMA CURB; PIPELAYER (INCLUDING GRADE CHECKING IN CONNECTION WITH PIPELAYING); PRECAST-MANHOLE SETTER; PRESSURE PIPE TESTER; POST HOLE DIGGER, AIR, GAS AND ELECTRIC; POWER BROOM SWEEPER; POWER TAMPERS OF ALL TYPES (EXCEPT AS SHOWN IN GROUP 2); RAM SET GUN AND STUD GUN; RIPRAP STONEPAVER AND ROCK-SLINGER, INCLUDING PLACING OF SACKED CONCRETE AND/OR SAND (WET OR DRY) AND GABIONS AND SIMILAR TYPE; ROTARY SCARIFIER OR MULTIPLE HEAD CONCRETE CHIPPING SCARIFIER; ROTO AND DITCH WITCH; ROTOTILLER; SANDBLASTER, POT, GUN, NOZZLE OPERATORS; SIGNALLING AND RIGGING; TANK CLEANER; TREE CLIMBER; TURBO BLASTER; VIBRASCREED, BULL FLOAT IN CONNECTION WITH LABORERS' WORK; VIBRATOR; HAZARDOUS WASTE WORKER (LEAD REMOVAL); ASBESTOS AND MOLD REMOVAL WORKER (MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED. .....$ 35.50 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B:

CONSTRUCTION SPECIALIST GROUP ASPHALT IRONER AND RAKER; CHAINSAW; LASER BEAM IN CONNECTION WITH LABORERS' WORK; CAST-IN- PLACE MANHOLE FORM SETTER; PRESSURE PIPELAYER; DAVIS TRENCHER - 300 OR SIMILAR TYPE (AND ALL SMALL TRENCHERS); BLASTER; DIAMOND DRILLER; MULTIPLE UNIT DRILL; HYDRAULIC DRILL MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.
     SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES.
MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.20 27.30

LABO0270-010 06/26/2023

	Rates	Fringes
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA A: (SANTA CLARA COUNTY)- (2) Establishment Warranty Period.....	$ 29.94	27.30
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA A: (SANTA CLARA COUNTY)- (1) New Construction.....	$ 36.25	27.30
LABORER, WRECKING - AREA A:: GROUP 2 Semi-skilled wrecker (salvaging of other building materials) (SANTA CLARA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....	$ 36.35	27.30
LABORER, WRECKING - AREA A:: GROUP 1 (SANTA CLARA COUNTY).....	$ 36.50	27.30
LABORER, GUNITE - AREA A:: GROUP 1 (SANTA CLARA COUNTY).....	$ 37.46	27.30
LABORER, GUNITE - AREA A: GROUP 4 GUNITE LABORER (SANTA CLARA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....	$ 36.25	27.30
LABORER, GUNITE - AREA A: GROUP 3 REBOUNDMAN (SANTA CLARA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....	$ 36.37	27.30
LABORER, GUNITE - AREA A: GROUP 2 NOZZLEMAN,		

GUNMAN, POTMAN, GROUNDMAN (SANTA CLARA COUNTY)
FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM
BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL
RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE
RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO
RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW..$ 36.96 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA A::
GROUP 1 (SANTA CLARA COUNTY).....$ 36.50 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA A:
GROUP 4 FINAL CLEAN-UP WORK OF DEBRIS, GROUNDS AND
BUILDING INCLUDING BUT NOT LIMITED TO: STREET
CLEANER; CLEANING AND WASHING WINDOWS; BRICK
CLEANER (JOBSITE ONLY); MATERIAL CLEANER (JOBSITE
ONLY). THE CLASSIFICATION ""MATERIAL CLEANER"" IS TO
BE UTILIZED UNDER THE FOLLOWING CONDITIONS:
A: AT DEMOLITION SITE FOR THE SALVAGE OF THE
MATERIAL. B: AT THE CONCLUSION OF A JOB WHERE
THE MATERIAL IS TO BE SALVAGED AND STOCKED TO BE
REUSED ON ANOTHER JOB. C: FOR THE CLEANING OF
SALVAGE MATERIAL AT THE JOBSITE OR TEMPORARY
JOBSITE YARD. THE MATERIAL CLEANER
CLASSIFICATION SHOULD NOT BE USED IN THE
PERFORMANCE OF ""FORM STRIPPING, CLEANING AND
OILING AND MOVING TO THE NEXT POINT OF ERECTION"".
(SANTA CLARA COUNTY) FOOTNOTES:
LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS,
SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER
HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL
NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE
RATE SET FORTH IN GROUP 1-A BELOW. SEWER
CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1
WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO
HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN
SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE
RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL
RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00
PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE
AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES
PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25
PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK
PERFORMED ON UNDERGROUND STRUCTURES NOT
SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL
NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND
LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER
WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY
COVER HAS BEEN PLACED.....$ 29.94 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA A:
GROUP 3 CONSTRUCTION LABORERS, INCLUDING BRIDGE AND
GENERAL LABORER; DUMP, LOAD SPOTTER; FLAG PERSON;
FIRE WATCHER; FENCE ERECTOR; GUARDRAIL ERECTOR;
GARDENER, HORTICULTURAL AND LANDSCAPE LABORER;
JETTING; LIMBER, BRUSH LOADER AND PILER; PAVEMENT
MARKER (BUTTON SETTER); MAINTENANCE, REPAIR TRACK
AND ROAD BEDS; STREETCAR AND RAILROAD CONSTRUCTION
TRACK LABORER; TEMPORARY AIR AND WATER LINES,
VICTAULIC OR SIMILAR; TOOL ROOM ATTENDANT (JOBSITE
ONLY) (SANTA CLARA COUNTY) FOOTNOTES: LABORERS
WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING
SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE
THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO
WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH
IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE
$4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER
CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN
CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS.

THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.25 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 2 ASPHALT SHOVELER; CEMENT DUMPER AND HANDLING DRY CEMENT OR GYPSUM; CHOKE-SETTER AND RIGGER (CLEARING WORK); CONCRETE BUCKET DUMPER AND CHUTE; CONCRETE CHIPPING AND GRINDING; CONCRETE LABORER (WET OR DRY); DRILLER TENDER, CHUCK TENDER, NIPPER; GUINEA CHASER (STAKE), GROUT CREW; HIGH PRESSURE NOZZLE, ADDUCTOR; HYDRAULIC MONITOR (OVER 100 LBS. PRESSURE); LOADING AND UNLOADING, CARRYING AND HAULING OF ALL RODS AND MATERIALS FOR USE IN REINFORCING CONCRETE CONSTRUCTION; PITTSBURGH CHIPPER AND SIMILAR TYPE BRUSH SHREDDERS; SLOPER; SINGLE FOOT, HAND-HELD, PNEUMATIC TAMPER; ALL PNEUMATIC, AIR, GAS AND ELECTRIC TOOLS NOT LISTED IN GROUPS 1 THROUGH 1-F; JACKING OF PIPE - UNDER 12 INCHES (SANTA CLARA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.35 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-F WIRE WINDING MACHINE IN CONNECTION WITH GUNITING OR SHOT CRETE (SANTA CLARA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL

RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 37.08 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-E WORK ON AND/OR IN BELL HOLE FOOTINGS AND SHAFTS THEREOF, AND WORK ON AND IN DEEP FOOTINGS. (A DEEP FOOTING IS A HOLE 15 FEET OR MORE IN DEPTH.) IN THE EVENT THE DEPTH OF THE FOOTING IS UNKNOWN AT THE COMMENCEMENT OF EXCAVATION, AND THE FINAL DEPTH EXCEEDS 15 FEET, THE DEEP FOOTING WAGE RATE WOULD APPLY TO ALL EMPLOYEES FOR EACH AND EVERY DAY WORKED ON OR IN THE EXCAVATION OF THE FOOTING FROM THE DATE OF INCEPTION. (SANTA CLARA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 37.05 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-C BURNING AND WELDING IN CONNECTION WITH LABORERS' WORK; SYNTHETIC THERMOPLASTICS AND SIMILAR TYPE WELDING (SANTA CLARA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.55 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-A JOY DRILL MODEL TWM-2A; GARDNER-DENVER

MODEL DH143 AND SIMILAR TYPE DRILLS; TRACK DRILLER; JACK LEG DRILLER; WAGON DRILLER; MECHANICAL DRILLERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; MECHANICAL PIPE LAYERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; BLASTER AND POWDER; ALL WORK OF LOADING, PLACING AND BLASTING OF ALL POWDER AND EXPLOSIVES OF WHATEVER TYPE REGARDLESS OF METHOD USED FOR SUCH LOADING AND PLACING; HIGH SCALERS (INCLUDING DRILLING OF SAME); TREE TOPPER; BIT GRINDER (SANTA CLARA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.72 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: CONSTRUCTION SPECIALIST GROUP ASPHALT IRONER AND RAKER; CHAINSAW; LASER BEAM IN CONNECTION WITH LABORERS' WORK; CAST-IN- PLACE MANHOLE FORM SETTER; PRESSURE PIPELAYER; DAVIS TRENCHER - 300 OR SIMILAR TYPE (AND ALL SMALL TRENCHERS); BLASTER; DIAMOND DRILLER; MULTIPLE UNIT DRILL; HYDRAULIC DRILL (SANTA CLARA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED.....$ 37.20 27.30

LABO0270-011 07/01/2023

	Rates	Fringes
LABORER, PLASTER TENDER (MONTEREY, SAN BENITO, SANTA CRUZ, SANTA CLARA COUNTIES) WORK ON A SWING STAGE SCAFFOLD: $1.00 PER HOUR ADDITIONAL.....	$ 40.68	29.68

LABO0294-001 07/01/2023

	Rates	Fringes
LABORER, BRICK: MASON TENDER-BRICK (FRESNO, KINGS AND MADERA COUNTIES)	$ 36.29	25.55

LABO0294-002 07/01/2023

	Rates	Fringes
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON II INSTALLATION AND REMOVAL OF TEMPORARY/PERMANENT SIGNS, MARKERS, DELINEATORS AND CRASH CUSHIONS. (FRESNO, KINGS, AND MADERA COUNTIES)	$ 34.06	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON I LAYOUT OF TRAFFIC CONTROL, CRASH CUSHIONS, CONSTRUCTION AREA AND ROADSIDE SIGNAGE. (FRESNO, KINGS, AND MADERA COUNTIES)	$ 36.56	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: ESCORT DRIVER, FLAG PERSON (FRESNO, KINGS, AND MADERA COUNTIES)	$ 36.26	27.30

LABO0294-005 06/26/2023

	Rates	Fringes
TUNNEL AND SHAFT LABORERS:, GROUP 3 BIT GRINDER; BLASTER, DRILLER, POWDERMEN, HEADING; CHERRY PICKERMEN - WHERE CAR IS LIFTED; CONCRETE FINISHER IN TUNNEL; CONCRETE SCREEDMAN; GROUT PUMPMAN AND POTMAN; GUNITE & SHOTCRETE GUNMAN & POTMAN; HEADERMEN; HIGH PRESSURE NOZZLEMAN; MINER - TUNNEL, INCLUDING TOP AND BOTTOM MAN ON SHAFT AND RAISE WORK; NIPPER; NOZZLEMAN ON SLICK LINE; SANDBLASTER - POTMAN, ROBOTIC SHOTCRETE PLACER, SEGMENT ERECTOR, TUNNEL MUCK HAULER, STEEL FORM RAISER AND SETTER; TIMBERMAN, RETIMBERMAN (WOOD OR STEEL OR SUBSTITUTE MATERIALS THEREFORE); TUGGER (FOR TUNNEL LABORER WORK); CABLE TENDER; CHUCK TENDER; POWDERMAN - PRIMER HOUSE (FRESNO, KINGS, AND MADERA COUNTIES)	$ 45.41	27.72
TUNNEL AND SHAFT LABORERS:, GROUP 2 RODMEN; SHAFT WORK & RAISE (BELOW ACTUAL OR EXCAVATED GROUND LEVEL) (FRESNO, KINGS, AND MADERA COUNTIES)	$ 45.66	27.72
TUNNEL AND SHAFT LABORERS: SHOTCRETE SPECIALIST (FRESNO, KINGS, AND MADERA COUNTIES)	$ 46.41	27.72
TUNNEL AND SHAFT LABORERS: GROUP 5 GROUT CREW; REBOUNDMAN; SWAMPER/ BRAKEMAN (FRESNO, KINGS, AND MADERA COUNTIES)	$ 44.42	27.72
TUNNEL AND SHAFT LABORERS: GROUP 4 VIBRATOR OPERATOR, PAVEMENT BREAKER; BULL GANG - MUCKERS, TRACKMEN; CONCRETE CREW - INCLUDES RODDING AND SPREADING, DUMPMEN (ANY METHOD) (FRESNO, KINGS, AND MADERA COUNTIES)	$ 44.96	27.72
TUNNEL AND SHAFT LABORERS: GROUP 1 DIAMOND DRILLER; GROUNDMEN; GUNITE AND SHOTCRETE NOZZLEMEN (FRESNO, KINGS, AND MADERA COUNTIES)	$ 45.89	27.72

LABO0294-008 06/26/2023

	Rates	Fringes
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B: (FRESNO, KINGS, AND MADERA COUNTIES)- (2) Establishment Warranty Period	$ 28.94	27.30
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B: (FRESNO, KINGS, AND MADERA COUNTIES)- (1) New Construction	$ 35.25	27.30
LABORER, WRECKING - AREA B:: GROUP 1 (FRESNO,		

KINGS, AND MADERA COUNTIES).....$ 35.50 27.30
LABORER, WRECKING - AREA B: GROUP 2 Semi-skilled wrecker (salvaging of other building materials) (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. .....$ 35.35 27.30
LABORER, GUNITE - AREA B:: GROUP 1 (FRESNO, KINGS, AND MADERA COUNTIES).....$ 36.46 27.30
LABORER, GUNITE - AREA B: GROUP 4 GUNITE LABORER (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW..$ 35.25 27.30
LABORER, GUNITE - AREA B: GROUP 3 REBOUNDMAN (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....$ 35.37 27.30
LABORER, GUNITE - AREA B: GROUP 2 NOZZLEMAN, GUNMAN, POTMAN, GROUNDMAN (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....$ 35.96 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 4 FINAL CLEAN-UP WORK OF DEBRIS, GROUNDS AND BUILDING INCLUDING BUT NOT LIMITED TO: STREET CLEANER; CLEANING AND WASHING WINDOWS; BRICK CLEANER (JOBSITE ONLY); MATERIAL CLEANER (JOBSITE ONLY). THE CLASSIFICATION ""MATERIAL CLEANER"" IS TO BE UTILIZED UNDER THE FOLLOWING CONDITIONS: A: AT DEMOLITION SITE FOR THE SALVAGE OF THE MATERIAL. B: AT THE CONCLUSION OF A JOB WHERE THE MATERIAL IS TO BE SALVAGED AND STOCKED TO BE REUSED ON ANOTHER JOB. C: FOR THE CLEANING OF SALVAGE MATERIAL AT THE JOBSITE OR TEMPORARY JOBSITE YARD. THE MATERIAL CLEANER CLASSIFICATION SHOULD NOT BE USED IN THE PERFORMANCE OF ""FORM STRIPPING, CLEANING AND OILING AND MOVING TO THE NEXT POINT OF ERECTION"". (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR

ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED. GUNITE LABORER CLASSIFICATIONS.....$ 28.94 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 3 CONSTRUCTION LABORERS, INCLUDING BRIDGE AND GENERAL LABORER; DUMP, LOAD SPOTTER; FLAG PERSON; FIRE WATCHER; FENCE ERECTOR; GUARDRAIL ERECTOR; GARDENER, HORTICULTURAL AND LANDSCAPE LABORER; JETTING; LIMBER, BRUSH LOADER AND PILER; PAVEMENT MARKER (BUTTON SETTER); MAINTENANCE, REPAIR TRACK AND ROAD BEDS; STREETCAR AND RAILROAD CONSTRUCTION TRACK LABORER; TEMPORARY AIR AND WATER LINES, VICTAULIC OR SIMILAR; TOOL ROOM ATTENDANT (JOBSITE ONLY) (FRESNO, KINGS, AND MADERA COUNTIES)
FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.
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MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 35.25 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 2 ASPHALT SHOVELER; CEMENT DUMPER AND HANDLING DRY CEMENT OR GYPSUM; CHOKE-SETTER AND RIGGER (CLEARING WORK); CONCRETE BUCKET DUMPER AND CHUTE; CONCRETE CHIPPING AND GRINDING; CONCRETE LABORER (WET OR DRY); DRILLER TENDER, CHUCK TENDER, NIPPER; GUINEA CHASER (STAKE), GROUT CREW; HIGH PRESSURE NOZZLE, ADDUCTOR; HYDRAULIC MONITOR (OVER 100 LBS. PRESSURE); LOADING AND UNLOADING, CARRYING AND HAULING OF ALL RODS AND MATERIALS FOR USE IN REINFORCING CONCRETE CONSTRUCTION; PITTSBURGH CHIPPER AND SIMILAR TYPE BRUSH SHREDDERS; SLOPER; SINGLE FOOT, HAND-HELD, PNEUMATIC TAMPER; ALL PNEUMATIC, AIR, GAS AND ELECTRIC TOOLS NOT LISTED IN GROUPS 1 THROUGH 1-F; JACKING OF PIPE - UNDER 12 INCHES (FRESNO, KINGS, AND MADERA COUNTIES)
FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.
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ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 35.35 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1-F WIRE WINDING MACHINE IN CONNECTION WITH GUNITING OR SHOT CRETE (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.08 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1-E WORK ON AND/OR IN BELL HOLE FOOTINGS AND SHAFTS THEREOF, AND WORK ON AND IN DEEP FOOTINGS. (A DEEP FOOTING IS A HOLE 15 FEET OR MORE IN DEPTH.) IN THE EVENT THE DEPTH OF THE FOOTING IS UNKNOWN AT THE COMMENCEMENT OF EXCAVATION, AND THE FINAL DEPTH EXCEEDS 15 FEET, THE DEEP FOOTING WAGE RATE WOULD APPLY TO ALL EMPLOYEES FOR EACH AND EVERY DAY WORKED ON OR IN THE EXCAVATION OF THE FOOTING FROM THE DATE OF INCEPTION. (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT

SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.05 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1-C BURNING AND WELDING IN CONNECTION WITH LABORERS' WORK; SYNTHETIC THERMOPLASTICS AND SIMILAR TYPE WELDING (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 35.55 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1-A JOY DRILL MODEL TWM-2A; GARDNER-DENVER MODEL DH143 AND SIMILAR TYPE DRILLS; TRACK DRILLER; JACK LEG DRILLER; WAGON DRILLER; MECHANICAL DRILLERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; MECHANICAL PIPE LAYERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; BLASTER AND POWDER; ALL WORK OF LOADING, PLACING AND BLASTING OF ALL POWDER AND EXPLOSIVES OF WHATEVER TYPE REGARDLESS OF METHOD USED FOR SUCH LOADING AND PLACING; HIGH SCALERS (INCLUDING DRILLING OF SAME); TREE TOPPER; BIT GRINDER (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED. .....$ 35.72 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1- ASPHALT SPREADER BOXES (ALL TYPES); BARKO, WACKER AND SIMILAR TYPE TAMPERS; BUGGYMOBILE;

CAULKER, BANDER, PIPEWRAPPER, CONDUIT LAYER, PLASTIC PIPELAYER; CERTIFIED HAZARDOUS WASTE WORKER INCLUDING LEADE ABATEMENT; COMPACTORS OF ALL TYPES; CONCRETE AND MAGNESITE MIXER, 1/2 YD. AND UNDER; CONCRETE PAN WORK; CONCRETE SANDER; CONCRETE SAW; CRIBBER AND/OR SHORING; CUT GRANITE CURB SETTER; DRI-PAK-IT MACHINE; FALLER, LOGLOADER AND BUCKER; FORM RAISER, SLIP FORMS; GREEN CUTTER; HEADERBOARD, HUBSETTER, ALIGNER, BY ANY METHOD; HIGH PRESSURE BLOW PIPE (1-1/2"" OR OVER, 100 LBS. PRESSURE/OVER); HYDRO SEEDER AND SIMILAR TYPE; JACKHAMMER OPERATOR; JACKING OF PIPE OVER 12 INCHES; JACKSON AND SIMILAR TYPE COMPACTOR; KETTLE TENDER, POT AND WORKER APPLYING ASPHALT, LAY-KOLD, CREOSOTE, LIME, CAUSTIC AND SIMILAR TYPE MATERIALS (APPLYING MEANS APPLYING, DIPPING OR HANDLING OF SUCH MATERIALS); LAGGING, SHEETING, WHALING, BRACING, TRENCHJACKING, LAGGING HAMMER; MAGNESITE, EPOXYRESIN, FIBERGLASS, MASTIC WORKER (WET OR DRY); NO JOINT PIPE AND STRIPPING OF SAME, INCLUDING REPAIR OF VOIDS; PAVEMENT BREAKER AND SPADER, INCLUDING TOOL GRINDER; PERMA CURB; PIPELAYER (INCLUDING GRADE CHECKING IN CONNECTION WITH PIPELAYING); PRECAST-MANHOLE SETTER; PRESSURE PIPE TESTER; POST HOLE DIGGER, AIR, GAS AND ELECTRIC; POWER BROOM SWEEPER; POWER TAMPERS OF ALL TYPES (EXCEPT AS SHOWN IN GROUP 2); RAM SET GUN AND STUD GUN; RIPRAP STONEPAVER AND ROCK-SLINGER, INCLUDING PLACING OF SACKED CONCRETE AND/OR SAND (WET OR DRY) AND GABIONS AND SIMILAR TYPE; ROTARY SCARIFIER OR MULTIPLE HEAD CONCRETE CHIPPING SCARIFIER; ROTO AND DITCH WITCH; ROTOTILLER; SANDBLASTER, POT, GUN, NOZZLE OPERATORS; SIGNALLING AND RIGGING; TANK CLEANER; TREE CLIMBER; TURBO BLASTER; VIBRASCREED, BULL FLOAT IN CONNECTION WITH LABORERS' WORK; VIBRATOR; HAZARDOUS WASTE WORKER (LEAD REMOVAL); ASBESTOS AND MOLD REMOVAL WORKER (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED. .....$ 35.50 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: CONSTRUCTION SPECIALIST GROUP ASPHALT IRONER AND RAKER; CHAINSAW; LASER BEAM IN CONNECTION WITH LABORERS' WORK; CAST-IN- PLACE MANHOLE FORM SETTER; PRESSURE PIPELAYER; DAVIS TRENCHER - 300 OR SIMILAR TYPE (AND ALL SMALL TRENCHERS); BLASTER; DIAMOND

DRILLER; MULTIPLE UNIT DRILL; HYDRAULIC DRILL (FRESNO, KINGS, AND MADERA COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED. .....$ 36.20 27.30

LABO0294-010 07/01/2023

	Rates	Fringes
PLASTERER TENDER (CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE) WORK ON A SWING STAGE SCAFFOLD: $1.00 PER HOUR ADDITIONAL	$ 39.77	28.54

LABO0294-011 07/01/2023

	Rates	Fringes
LABORER, PLASTER TENDER (FRESNO, KINGS, AND MADERA COUNTIES)	$ 39.77	28.54

LABO0304-002 07/01/2023

	Rates	Fringes
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON II INSTALLATION AND REMOVAL OF TEMPORARY/PERMANENT SIGNS, MARKERS, DELINEATORS AND CRASH CUSHIONS. (ALAMEDA COUNTY)	$ 35.06	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON I LAYOUT OF TRAFFIC CONTROL, CRASH CUSHIONS, CONSTRUCTION AREA AND ROADSIDE SIGNAGE. (ALAMEDA COUNTY)	$ 37.56	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: ESCORT DRIVER, FLAG PERSON (ALAMEDA COUNTY)	$ 37.26	27.30

LABO0304-003 06/26/2023

	Rates	Fringes
TUNNEL AND SHAFT LABORERS:, GROUP 5 GROUT CREW; REBOUNDMAN; SWAMPER/ BRAKEMAN (ALAMEDA COUNTY)	$ 44.42	27.72
TUNNEL AND SHAFT LABORERS:, GROUP 4 VIBRATOR OPERATOR, PAVEMENT BREAKER; BULL GANG - MUCKERS, TRACKMEN; CONCRETE CREW - INCLUDES RODDING AND SPREADING, DUMPMEN (ANY METHOD) (ALAMEDA COUNTY)	$ 44.96	27.72
TUNNEL AND SHAFT LABORERS:, GROUP 3 BIT GRINDER; BLASTER, DRILLER, POWDERMEN, HEADING; CHERRY PICKERMEN - WHERE CAR IS LIFTED; CONCRETE FINISHER IN TUNNEL; CONCRETE SCREEDMAN; GROUT PUMPMAN AND		

POTMAN; GUNITE & SHOTCRETE GUNMAN & POTMAN;
HEADERMEN; HIGH PRESSURE NOZZLEMAN; MINER - TUNNEL,
INCLUDING TOP AND BOTTOM MAN ON SHAFT AND RAISE
WORK; NIPPER; NOZZLEMAN ON SLICK LINE; SANDBLASTER
- POTMAN, ROBOTIC SHOTCRETE PLACER, SEGMENT
ERECTOR, TUNNEL MUCK HAULER, STEEL FORM RAISER AND
SETTER; TIMBERMAN, RETIMBERMAN (WOOD OR STEEL OR
SUBSTITUTE MATERIALS THEREFORE); TUGGER (FOR TUNNEL
LABORER WORK); CABLE TENDER; CHUCK TENDER;
POWDERMAN - PRIMER HOUSE (ALAMEDA COUNTY).....$ 45.41 27.72
TUNNEL AND SHAFT LABORERS:, GROUP 2 RODMEN; SHAFT
WORK & RAISE (BELOW ACTUAL OR EXCAVATED GROUND
LEVEL) (ALAMEDA COUNTY).....$ 45.66 27.72
TUNNEL AND SHAFT LABORERS:, GROUP 1 DIAMOND
DRILLER; GROUNDMEN; GUNITE AND SHOTCRETE NOZZLEMEN
(ALAMEDA COUNTY).....$ 45.89 27.72
TUNNEL AND SHAFT LABORERS: SHOTCRETE SPECIALIST
(ALAMEDA COUNTY).....$ 46.41 27.72

LABO0304-004 06/26/2023

	Rates	Fringes
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA A: (ALAMEDA COUNTY)- (2) Establishment Warranty Period.....	$ 29.94	27.30
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA A: (ALAMEDA COUNTY)- (1) New Construction.....	$ 36.25	27.30
LABORER, WRECKING - AREA A:: GROUP 1 (ALAMEDA COUNTY).....	$ 36.50	27.30
LABORER, WRECKING - AREA A: GROUP 2 Semi-skilled wrecker (salvaging of other building materials) (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....	$ 36.35	27.30
LABORER, GUNITE - AREA A:: GROUP 1 (ALAMEDA COUNTY).	$ 37.46	27.30
LABORER, GUNITE - AREA A: GROUP 4 GUNITE LABORER (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....	$ 36.25	27.30
LABORER, GUNITE - AREA A: GROUP 3 REBOUNDMAN (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....	$ 36.37	27.30
LABORER, GUNITE - AREA A: GROUP 2 NOZZLEMAN, GUNMAN, POTMAN, GROUNDMAN (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW..	$ 36.96	27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA A:: GROUP 1-A JOY DRILL MODEL TWM-2A; GARDNER-DENVER MODEL DH143 AND SIMILAR TYPE DRILLS; TRACK DRILLER; JACK LEG DRILLER; WAGON DRILLER; MECHANICAL DRILLERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF		

POWER; MECHANICAL PIPE LAYERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; BLASTER AND POWDER; ALL WORK OF LOADING, PLACING AND BLASTING OF ALL POWDER AND EXPLOSIVES OF WHATEVER TYPE REGARDLESS OF METHOD USED FOR SUCH LOADING AND PLACING; HIGH SCALERS (INCLUDING DRILLING OF SAME); TREE TOPPER; BIT GRINDER (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.72 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A::
GROUP 1 (ALAMEDA COUNTY).....$ 36.50 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A:
GROUP 4 FINAL CLEAN-UP WORK OF DEBRIS, GROUNDS AND BUILDING INCLUDING BUT NOT LIMITED TO: STREET CLEANER; CLEANING AND WASHING WINDOWS; BRICK CLEANER (JOBSITE ONLY); MATERIAL CLEANER (JOBSITE ONLY). THE CLASSIFICATION ""MATERIAL CLEANER"" IS TO BE UTILIZED UNDER THE FOLLOWING CONDITIONS: A: AT DEMOLITION SITE FOR THE SALVAGE OF THE MATERIAL. B: AT THE CONCLUSION OF A JOB WHERE THE MATERIAL IS TO BE SALVAGED AND STOCKED TO BE REUSED ON ANOTHER JOB. C: FOR THE CLEANING OF SALVAGE MATERIAL AT THE JOBSITE OR TEMPORARY JOBSITE YARD. THE MATERIAL CLEANER CLASSIFICATION SHOULD NOT BE USED IN THE PERFORMANCE OF ""FORM STRIPPING, CLEANING AND OILING AND MOVING TO THE NEXT POINT OF ERECTION"". (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER

WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 29.94 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 3 CONSTRUCTION LABORERS, INCLUDING BRIDGE AND GENERAL LABORER; DUMP, LOAD SPOTTER; FLAG PERSON; FIRE WATCHER; FENCE ERECTOR; GUARDRAIL ERECTOR; GARDENER, HORTICULTURAL AND LANDSCAPE LABORER; JETTING; LIMBER, BRUSH LOADER AND PILER; PAVEMENT MARKER (BUTTON SETTER); MAINTENANCE, REPAIR TRACK AND ROAD BEDS; STREETCAR AND RAILROAD CONSTRUCTION TRACK LABORER; TEMPORARY AIR AND WATER LINES, VICTAULIC OR SIMILAR; TOOL ROOM ATTENDANT (JOBSITE ONLY) (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.25 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 2 ASPHALT SHOVELER; CEMENT DUMPER AND HANDLING DRY CEMENT OR GYPSUM; CHOKE-SETTER AND RIGGER (CLEARING WORK); CONCRETE BUCKET DUMPER AND CHUTE; CONCRETE CHIPPING AND GRINDING; CONCRETE LABORER (WET OR DRY); DRILLER TENDER, CHUCK TENDER, NIPPER; GUINEA CHASER (STAKE), GROUT CREW; HIGH PRESSURE NOZZLE, ADDUCTOR; HYDRAULIC MONITOR (OVER 100 LBS. PRESSURE); LOADING AND UNLOADING, CARRYING AND HAULING OF ALL RODS AND MATERIALS FOR USE IN REINFORCING CONCRETE CONSTRUCTION; PITTSBURGH CHIPPER AND SIMILAR TYPE BRUSH SHREDDERS; SLOPER; SINGLE FOOT, HAND-HELD, PNEUMATIC TAMPER; ALL PNEUMATIC, AIR, GAS AND ELECTRIC TOOLS NOT LISTED IN GROUPS 1 THROUGH 1-F; JACKING OF PIPE - UNDER 12 INCHES (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS

PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.35 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-F WIRE WINDING MACHINE IN CONNECTION WITH GUNITING OR SHOT CRETE (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.
SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 37.08 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-E WORK ON AND/OR IN BELL HOLE FOOTINGS AND SHAFTS THEREOF, AND WORK ON AND IN DEEP FOOTINGS. (A DEEP FOOTING IS A HOLE 15 FEET OR MORE IN DEPTH.) IN THE EVENT THE DEPTH OF THE FOOTING IS UNKNOWN AT THE COMMENCEMENT OF EXCAVATION, AND THE FINAL DEPTH EXCEEDS 15 FEET, THE DEEP FOOTING WAGE RATE WOULD APPLY TO ALL EMPLOYEES FOR EACH AND EVERY DAY WORKED ON OR IN THE EXCAVATION OF THE FOOTING FROM THE DATE OF INCEPTION. (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 37.05 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-C BURNING AND WELDING IN CONNECTION WITH LABORERS' WORK; SYNTHETIC THERMOPLASTICS AND SIMILAR TYPE WELDING (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER

HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.55 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: CONSTRUCTION SPECIALIST GROUP ASPHALT IRONER AND RAKER; CHAINSAW; LASER BEAM IN CONNECTION WITH LABORERS' WORK; CAST-IN- PLACE MANHOLE FORM SETTER; PRESSURE PIPELAYER; DAVIS TRENCHER - 300 OR SIMILAR TYPE (AND ALL SMALL TRENCHERS); BLASTER; DIAMOND DRILLER; MULTIPLE UNIT DRILL; HYDRAULIC DRILL (ALAMEDA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 37.20 27.30

LABO0304-005 07/01/2023

	Rates	Fringes
BRICK TENDER (ALAMEDA COUNTY) FOOTNOTES: WORK ON JOBS WHERE HEAT-PROTECTIVE CLOTHING IS REQUIRED: $2.00 PER HOUR ADDITIONAL. WORK AT GRINDERS: $.25 PER HOUR ADDITIONAL. MANHOLE WORK: $2.00 PER DAY ADDITIONAL.....	$ 37.05	27.45

LABO0304-008 07/01/2023

	Rates	Fringes
PLASTERER TENDER (ALAMEDA AND CONTRA COSTA COUNTIES) WORK ON A SWING STAGE SCAFFOLD: $1.00 PER HOUR ADDITIONAL.....	$ 41.93	30.32

LABO0324-002 07/01/2023

	Rates	Fringes
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON II INSTALLATION AND REMOVAL OF TEMPORARY/PERMANENT SIGNS, MARKERS, DELINEATORS AND CRASH CUSHIONS. (CONTRA COSTA COUNTY)	$ 35.06	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON I LAYOUT OF TRAFFIC CONTROL, CRASH CUSHIONS, CONSTRUCTION AREA AND ROADSIDE SIGNAGE. (CONTRA COSTA COUNTY)	$ 37.56	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: ESCORT DRIVER, FLAG PERSON (CONTRA COSTA COUNTY)	$ 37.26	27.30

LABO0324-006 06/26/2023

	Rates	Fringes
TUNNEL AND SHAFT LABORERS:, GROUP 5 GROUT CREW; REBOUNDMAN; SWAMPER/ BRAKEMAN (CONTRA COSTA COUNTY).	$ 44.42	27.72
TUNNEL AND SHAFT LABORERS:, GROUP 4 VIBRATOR OPERATOR, PAVEMENT BREAKER; BULL GANG - MUCKERS, TRACKMEN; CONCRETE CREW - INCLUDES RODDING AND SPREADING, DUMPMEN (ANY METHOD) (CONTRA COSTA COUNTY)	$ 44.96	27.72
TUNNEL AND SHAFT LABORERS:, GROUP 3 BIT GRINDER; BLASTER, DRILLER, POWDERMEN, HEADING; CHERRY PICKERMEN - WHERE CAR IS LIFTED; CONCRETE FINISHER IN TUNNEL; CONCRETE SCREEDMAN; GROUT PUMPMAN AND POTMAN; GUNITE & SHOTCRETE GUNMAN & POTMAN; HEADERMEN; HIGH PRESSURE NOZZLEMAN; MINER - TUNNEL, INCLUDING TOP AND BOTTOM MAN ON SHAFT AND RAISE WORK; NIPPER; NOZZLEMAN ON SLICK LINE; SANDBLASTER - POTMAN, ROBOTIC SHOTCRETE PLACER, SEGMENT ERECTOR, TUNNEL MUCK HAULER, STEEL FORM RAISER AND SETTER; TIMBERMAN, RETIMBERMAN (WOOD OR STEEL OR SUBSTITUTE MATERIALS THEREFORE); TUGGER (FOR TUNNEL LABORER WORK); CABLE TENDER; CHUCK TENDER; POWDERMAN - PRIMER HOUSE (CONTRA COSTA COUNTY)	$ 45.41	27.72
TUNNEL AND SHAFT LABORERS:, GROUP 2 RODMEN; SHAFT WORK & RAISE (BELOW ACTUAL OR EXCAVATED GROUND LEVEL) (CONTRA COSTA COUNTY)	$ 45.66	27.72
TUNNEL AND SHAFT LABORERS:, GROUP 1 DIAMOND DRILLER; GROUNDMEN; GUNITE AND SHOTCRETE NOZZLEMEN (CONTRA COSTA COUNTY)	$ 45.89	27.72
TUNNEL AND SHAFT LABORERS: SHOTCRETE SPECIALIST (CONTRA COSTA COUNTY)	$ 46.41	27.72

LABO0324-012 06/26/2023

	Rates	Fringes
LABORER: GARDENERS, HORTICULURAL & LANDSCAPE LABORERS - AREA A: (CONTRA COSTA COUNTY)- (2) Establishment Warranty Period	$ 29.94	27.30
LABORER: GARDENERS, HORTICULURAL & LANDSCAPE LABORERS - AREA A: (CONTRA COSTA COUNTY)- (1) New Construction	$ 36.25	27.30
LABORER, WRECKING - AREA A:: GROUP 1 (CONTRA COSTA COUNTY)	$ 36.50	27.30
LABORER, WRECKING - AREA A: GROUP 2 Semi-skilled wrecker (salvaging of other building materials) (CONTRA COSTA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH		

IN GROUP 1-A BELOW.....$ 36.35 27.30
LABORER, GUNITE - AREA A:: GROUP 1 (CONTRA COSTA
COUNTY).....$ 37.46 27.30
LABORER, GUNITE - AREA A: GROUP 4 GUNITE LABORER
(CONTRA COSTA COUNTY) FOOTNOTES: LABORERS
WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING
SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE
THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO
WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH
IN GROUP 1-A BELOW.....$ 36.25 27.30
LABORER, GUNITE - AREA A: GROUP 3REBOUNDMAN
(CONTRA COSTA COUNTY) FOOTNOTES: LABORERS
WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING
SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE
THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO
WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH
IN GROUP 1-A BELOW.....$ 36.37 27.30
LABORER, GUNITE - AREA A: GROUP 2 NOZZLEMAN,
GUNMAN, POTMAN, GROUNDMAN (CONTRA COSTA COUNTY)
FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM
BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL
RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE
RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO
RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW..$ 36.96 27.30
LABORER, CONSTRUCTION CRAFT LABORERS: GROUP 1-G
Pipelayer (including grade checking in connection
with pipelaying); Caulker; Bander; Pipewrapper;
Conduit layer; Plastic pipe layer; Pressure pipe
tester; No joint pipe and stripping of same,
including repair of voids; Precast manhole setters,
cast in place manhole form setters AREA A:
CONTRA COSTA COUNTY Sewer cleaners shall receive
$4.00 per day above Group 1 wage rates. """"Sewer
cleaner"""" means any worker who handles or comes in
contact with raw sewage in small diameter sewers.
Those who work inside recently active, large
diameter sewers, and all recently active sewer
manholes shal receive $5.00 per day above Group 1
wage rates. Maintenance and repair track and
road beds. All employees performing work covered
herein shall receive $.25 per hour above their
regular rate for all work performed on underground
structures not specifically covered herein. This
paragraph shall not be construed to apply to work
below ground level in open cut. It shall apply to
cut and cover work of subway construction after the
temporary cover has been placed. FOOTNOTES:
LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS,
SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER
HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL
NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE
RATE SET FORTH IN GROUP 1-A BELOW.....$ 36.70 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA A::
GROUP 1 (CONTRA COSTA COUNTY).....$ 36.50 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA A:
GROUP 4 FINAL CLEAN-UP WORK OF DEBRIS, GROUNDS AND
BUILDING INCLUDING BUT NOT LIMITED TO: STREET
CLEANER; CLEANING AND WASHING WINDOWS; BRICK
CLEANER (JOBSITE ONLY); MATERIAL CLEANER (JOBSITE
ONLY). THE CLASSIFICATION ""MATERIAL CLEANER"" IS TO
BE UTILIZED UNDER THE FOLLOWING CONDITIONS:
A: AT DEMOLITION SITE FOR THE SALVAGE OF THE
MATERIAL. B: AT THE CONCLUSION OF A JOB WHERE
THE MATERIAL IS TO BE SALVAGED AND STOCKED TO BE
REUSED ON ANOTHER JOB. C: FOR THE CLEANING OF

SALVAGE MATERIAL AT THE JOBSITE OR TEMPORARY JOBSITE YARD. THE MATERIAL CLEANER CLASSIFICATION SHOULD NOT BE USED IN THE PERFORMANCE OF ""FORM STRIPPING, CLEANING AND OILING AND MOVING TO THE NEXT POINT OF ERECTION"". (CONTRA COSTA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 29.94 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 3 CONSTRUCTION LABORERS, INCLUDING BRIDGE AND GENERAL LABORER; DUMP, LOAD SPOTTER; FLAG PERSON; FIRE WATCHER; FENCE ERECTOR; GUARDRAIL ERECTOR; GARDENER, HORTICULTURAL AND LANDSCAPE LABORER; JETTING; LIMBER, BRUSH LOADER AND PILER; PAVEMENT MARKER (BUTTON SETTER); MAINTENANCE, REPAIR TRACK AND ROAD BEDS; STREETCAR AND RAILROAD CONSTRUCTION TRACK LABORER; TEMPORARY AIR AND WATER LINES, VICTAULIC OR SIMILAR; TOOL ROOM ATTENDANT (JOBSITE ONLY) (CONTRA COSTA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.25 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 2 ASPHALT SHOVELER; CEMENT DUMPER AND HANDLING DRY CEMENT OR GYPSUM; CHOKE-SETTER AND RIGGER (CLEARING WORK); CONCRETE BUCKET DUMPER AND CHUTE; CONCRETE CHIPPING AND GRINDING; CONCRETE LABORER (WET OR DRY); DRILLER TENDER, CHUCK TENDER, NIPPER; GUINEA CHASER (STAKE), GROUT CREW; HIGH

PRESSURE NOZZLE, ADDUCTOR; HYDRAULIC MONITOR (OVER 100 LBS. PRESSURE); LOADING AND UNLOADING, CARRYING AND HAULING OF ALL RODS AND MATERIALS FOR USE IN REINFORCING CONCRETE CONSTRUCTION; PITTSBURGH CHIPPER AND SIMILAR TYPE BRUSH SHREDDERS; SLOPER; SINGLE FOOT, HAND-HELD, PNEUMATIC TAMPER; ALL PNEUMATIC, AIR, GAS AND ELECTRIC TOOLS NOT LISTED IN GROUPS 1 THROUGH 1-F; JACKING OF PIPE - UNDER 12 INCHES (CONTRA COSTA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.35 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-F WIRE WINDING MACHINE IN CONNECTION WITH GUNITING OR SHOT CRETE (CONTRA COSTA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 37.08 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-E WORK ON AND/OR IN BELL HOLE FOOTINGS AND SHAFTS THEREOF, AND WORK ON AND IN DEEP FOOTINGS. (A DEEP FOOTING IS A HOLE 15 FEET OR MORE IN DEPTH.) IN THE EVENT THE DEPTH OF THE FOOTING IS UNKNOWN AT THE COMMENCEMENT OF EXCAVATION, AND THE FINAL DEPTH EXCEEDS 15 FEET, THE DEEP FOOTING WAGE RATE WOULD APPLY TO ALL EMPLOYEES FOR EACH AND EVERY DAY WORKED ON OR IN THE EXCAVATION OF THE FOOTING FROM THE DATE OF INCEPTION. (CONTRA COSTA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS

SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 37.05 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-C BURNING AND WELDING IN CONNECTION WITH LABORERS' WORK; SYNTHETIC THERMOPLASTICS AND SIMILAR TYPE WELDING (CONTRA COSTA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.55 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: GROUP 1-A JOY DRILL MODEL TWM-2A; GARDNER-DENVER MODEL DH143 AND SIMILAR TYPE DRILLS; TRACK DRILLER; JACK LEG DRILLER; WAGON DRILLER; MECHANICAL DRILLERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; MECHANICAL PIPE LAYERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF POWER; BLASTER AND POWDER; ALL WORK OF LOADING, PLACING AND BLASTING OF ALL POWDER AND EXPLOSIVES OF WHATEVER TYPE REGARDLESS OF METHOD USED FOR SUCH LOADING AND PLACING; HIGH SCALERS (INCLUDING DRILLING OF SAME); TREE TOPPER; BIT GRINDER (CONTRA COSTA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE

RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.72 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA A: CONSTRUCTION SPECIALIST GROUP ASPHALT IRONER AND RAKER; CHAINSAW; LASER BEAM IN CONNECTION WITH LABORERS' WORK; CAST-IN- PLACE MANHOLE FORM SETTER; PRESSURE PIPELAYER; DAVIS TRENCHER - 300 OR SIMILAR TYPE (AND ALL SMALL TRENCHERS); BLASTER; DIAMOND DRILLER; MULTIPLE UNIT DRILL; HYDRAULIC DRILL (CONTRA COSTA COUNTY) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW FEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 37.20 27.30

LABO0324-014 07/01/2023

	Rates	Fringes
BRICK TENDER (CONTRA COSTA COUNTY) FOOTNOTES: WORK ON JOBS WHERE HEAT-PROTECTIVE CLOTHING IS REQUIRED: $2.00 PER HOUR ADDITIONAL. WORK AT GRINDERS: $.25 PER HOUR ADDITIONAL. MANHOLE WORK: $2.00 PER DAY ADDITIONAL	$ 37.05	27.45

LABO1130-002 07/01/2023

	Rates	Fringes
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON II INSTALLATION AND REMOVAL OF TEMPORARY/PERMANENT SIGNS, MARKERS, DELINEATORS AND CRASH CUSHIONS. (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES)	$ 34.06	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: TRAFFIC CONTROL PERSON I LAYOUT OF TRAFFIC CONTROL, CRASH CUSHIONS, CONSTRUCTION AREA AND ROADSIDE SIGNAGE. (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES)	$ 36.56	27.30
LABORER, TRAFFIC CONTROL/LANE CLOSURE: ESCORT DRIVER, FLAG PERSON (MARIPOSA, MERCED,		

STANISLAUS, AND TUOLUMNE COUNTIES).....$ 36.26 27.30

LABO1130-003 06/26/2023

	Rates	Fringes
TUNNEL AND SHAFT LABORERS: SHOTCRETE SPECIALIST (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES)	$ 46.41	27.72
TUNNEL AND SHAFT LABORERS: GROUP 5 GROUT CREW; REBOUNDMAN; SWAMPER/ BRAKEMAN (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES)	$ 44.42	27.72
TUNNEL AND SHAFT LABORERS: GROUP 4 VIBRATOR OPERATOR, PAVEMENT BREAKER; BULL GANG - MUCKERS, TRACKMEN; CONCRETE CREW - INCLUDES RODDING AND SPREADING, DUMPMEN (ANY METHOD) (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES)	$ 44.96	27.72
TUNNEL AND SHAFT LABORERS: GROUP 3 BIT GRINDER; BLASTER, DRILLER, POWDERMEN, HEADING; CHERRY PICKERMEN - WHERE CAR IS LIFTED; CONCRETE FINISHER IN TUNNEL; CONCRETE SCREEDMAN; GROUT PUMPMAN AND POTMAN; GUNITE & SHOTCRETE GUNMAN & POTMAN; HEADERMEN; HIGH PRESSURE NOZZLEMAN; MINER - TUNNEL, INCLUDING TOP AND BOTTOM MAN ON SHAFT AND RAISE WORK; NIPPER; NOZZLEMAN ON SLICK LINE; SANDBLASTER - POTMAN, ROBOTIC SHOTCRETE PLACER, SEGMENT ERECTOR, TUNNEL MUCK HAULER, STEEL FORM RAISER AND SETTER; TIMBERMAN, RETIMBERMAN (WOOD OR STEEL OR SUBSTITUTE MATERIALS THEREFORE); TUGGER (FOR TUNNEL LABORER WORK); CABLE TENDER; CHUCK TENDER; POWDERMAN - PRIMER HOUSE (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES)	$ 45.41	27.72
TUNNEL AND SHAFT LABORERS: GROUP 2 RODMEN; SHAFT WORK & RAISE (BELOW ACTUAL OR EXCAVATED GROUND LEVEL) (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES)	$ 45.66	27.72
TUNNEL AND SHAFT LABORERS: GROUP 1 DIAMOND DRILLER; GROUNDMEN; GUNITE AND SHOTCRETE NOZZLEMEN (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES)	$ 45.89	27.72

LABO1130-005 07/01/2023

	Rates	Fringes
LABORER: MASON TENDER-BRICK (MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES)	$ 36.29	25.55

LABO1130-007 06/26/2023

	Rates	Fringes
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B: (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES)- (2) Establishment Warranty Period	$ 28.94	27.30
LABORER: GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B: (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES)- (1) New Construction	$ 35.25	27.30
LABORER, WRECKING - AREA B: GROUP 2 SEMI-SKILLED WRECKER (SALVAGING OF OTHER BUILDING MATERIALS) (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW	$ 35.35	27.30

LABORER, WRECKING - AREA B: GROUP 1- SKILLED WRECKER (REMOVING AND SALVAGING OF SASH, WINDOWS AND MATERIALS) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES.....$ 35.50 27.30

LABORER, GUNITE - AREA B: GROUP 4 Gunite laborer (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....$ 35.25 27.30

LABORER, GUNITE - AREA B: GROUP 3 REBOUNDMAN (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....$ 35.37 27.30

LABORER, GUNITE - AREA B: GROUP 2 NOZZLEMAN, GUNMAN, POTMAN, GROUNDMAN (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW.....$ 35.96 27.30

LABORER, GUNITE - AREA B: GROUP 1- GROUP 1: STRUCTURAL NOZZLEMAN FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES.....$ 36.46 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 4 FINAL CLEAN-UP WORK OF DEBRIS, GROUNDS AND BUILDING INCLUDING BUT NOT LIMITED TO: STREET CLEANER; CLEANING AND WASHING WINDOWS; BRICK CLEANER (JOBSITE ONLY); MATERIAL CLEANER (JOBSITE ONLY). THE CLASSIFICATION ""MATERIAL CLEANER"" IS TO BE UTILIZED UNDER THE FOLLOWING CONDITIONS: A: AT DEMOLITION SITE FOR THE SALVAGE OF THE MATERIAL. B: AT THE CONCLUSION OF A JOB WHERE THE MATERIAL IS TO BE SALVAGED AND STOCKED TO BE REUSED ON ANOTHER JOB. C: FOR THE CLEANING OF SALVAGE MATERIAL AT THE JOBSITE OR TEMPORARY JOBSITE YARD. THE MATERIAL CLEANER CLASSIFICATION SHOULD NOT BE USED IN THE PERFORMANCE OF ""FORM STRIPPING, CLEANING AND OILING AND MOVING TO THE NEXT POINT OF ERECTION"". (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER

CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 28.94 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 3 CONSTRUCTION LABORERS, INCLUDING BRIDGE AND GENERAL LABORER; DUMP, LOAD SPOTTER; FLAG PERSON; FIRE WATCHER; FENCE ERECTOR; GUARDRAIL ERECTOR; GARDENER, HORTICULTURAL AND LANDSCAPE LABORER; JETTING; LIMBER, BRUSH LOADER AND PILER; PAVEMENT MARKER (BUTTON SETTER); MAINTENANCE, REPAIR TRACK AND ROAD BEDS; STREETCAR AND RAILROAD CONSTRUCTION TRACK LABORER; TEMPORARY AIR AND WATER LINES, VICTAULIC OR SIMILAR; TOOL ROOM ATTENDANT (JOBSITE ONLY) (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 35.25 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 2 (ASPHALT SHOVELER; CEMENT DUMPER AND HANDLING DRY CEMENT OR GYPSUM; CHOKE-SETTER AND RIGGER (CLEARING WORK); CONCRETE BUCKET DUMPER AND CHUTE; CONCRETE CHIPPING AND GRINDING; CONCRETE LABORER (WET OR DRY); DRILLER TENDER, CHUCK TENDER, NIPPER; GUINEA CHASER (STAKE), GROUT CREW; HIGH PRESSURE NOZZLE, ADDUCTOR; HYDRAULIC MONITOR (OVER 100 LBS. PRESSURE); LOADING AND UNLOADING, CARRYING AND HAULING OF ALL RODS AND MATERIALS FOR USE IN REINFORCING CONCRETE CONSTRUCTION; PITTSBURGH CHIPPER AND SIMILAR TYPE BRUSH SHREDDERS; SLOPER; SINGLE FOOT, HAND-HELD, PNEUMATIC TAMPER; ALL PNEUMATIC, AIR, GAS AND ELECTRIC TOOLS NOT LISTED IN GROUPS 1 THROUGH 1-F; JACKING OF PIPE - UNDER 12 INCHES MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE

APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 35.35 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1-F WIRE WINDING MACHINE IN CONNECTION WITH GUNITING OR SHOT CRETE (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 36.08 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B: GROUP 1-E WORK ON AND/OR IN BELL HOLE FOOTINGS AND SHAFTS THEREOF, AND WORK ON AND IN DEEP FOOTINGS. (A DEEP FOOTING IS A HOLE 15 FEET OR MORE IN DEPTH.) IN THE EVENT THE DEPTH OF THE FOOTING IS UNKNOWN AT THE COMMENCEMENT OF EXCAVATION, AND THE FINAL DEPTH EXCEEDS 15 FEET, THE DEEP FOOTING WAGE RATE WOULD APPLY TO ALL EMPLOYEES FOR EACH AND EVERY DAY WORKED ON OR IN THE EXCAVATION OF THE FOOTING FROM THE DATE OF INCEPTION. (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES) FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE

$5.00 PER DAY ABOVE GROUP 1 WAGE RATES.
MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL
EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL
RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR
ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT
SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL
NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND
LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER
WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY
COVER HAS BEEN PLACED.....$ 36.05 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA B:
GROUP 1-C BURNING AND WELDING IN CONNECTION WITH
LABORERS' WORK; SYNTHETIC THERMOPLASTICS AND
SIMILAR TYPE WELDING (MARIPOSA, MERCED,
STANISLAUS, AND TUOLUMNE , COUNTIES) FOOTNOTES:
LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS,
SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER
HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL
NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE
RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS
SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE
RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO
HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN
SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE
RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL
RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00
PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE
AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES
PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25
PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK
PERFORMED ON UNDERGROUND STRUCTURES NOT
SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL
NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND
LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER
WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY
COVER HAS BEEN PLACED.....$ 35.55 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA B:
GROUP 1-A JOY DRILL MODEL TWM-2A; GARDNER-DENVER
MODEL DH143 AND SIMILAR TYPE DRILLS; TRACK DRILLER;
JACK LEG DRILLER; WAGON DRILLER; MECHANICAL
DRILLERS, ALL TYPES REGARDLESS OF TYPE OR METHOD OF
POWER; MECHANICAL PIPE LAYERS, ALL TYPES REGARDLESS
OF TYPE OR METHOD OF POWER; BLASTER AND POWDER; ALL
WORK OF LOADING, PLACING AND BLASTING OF ALL POWDER
AND EXPLOSIVES OF WHATEVER TYPE REGARDLESS OF
METHOD USED FOR SUCH LOADING AND PLACING; HIGH
SCALERS (INCLUDING DRILLING OF SAME); TREE TOPPER;
BIT GRINDER (MARIPOSA, MERCED, STANISLAUS, AND
TUOLUMNE , COUNTIES) FOOTNOTES: LABORERS WORKING
OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING
SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE
THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO
WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH
IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE
$4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER
CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN
CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS.
THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE
DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER
MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1
WAGE RATES. MAINTENANCE AND REPAIR TRACK AND
ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED
HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR
REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND
STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS

PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY COVER HAS BEEN PLACED.....$ 35.72 27.30

LABORER, CONSTRUCTION CRAFT LABORERS - AREA B:
GROUP 1- ASPHALT SPREADER BOXES (ALL TYPES); BARKO, WACKER AND SIMILAR TYPE TAMPERS; BUGGYMOBILE; CAULKER, BANDER, PIPEWRAPPER, CONDUIT LAYER, PLASTIC PIPELAYER; CERTIFIED HAZARDOUS WASTE WORKER INCLUDING LEADE ABATEMENT; COMPACTORS OF ALL TYPES; CONCRETE AND MAGNESITE MIXER, 1/2 YD. AND UNDER; CONCRETE PAN WORK; CONCRETE SANDER; CONCRETE SAW; CRIBBER AND/OR SHORING; CUT GRANITE CURB SETTER; DRI-PAK-IT MACHINE; FALLER, LOGLOADER AND BUCKER; FORM RAISER, SLIP FORMS; GREEN CUTTER; HEADERBOARD, HUBSETTER, ALIGNER, BY ANY METHOD; HIGH PRESSURE BLOW PIPE (1-1/2"" OR OVER, 100 LBS. PRESSURE/OVER); HYDRO SEEDER AND SIMILAR TYPE; JACKHAMMER OPERATOR; JACKING OF PIPE OVER 12 INCHES; JACKSON AND SIMILAR TYPE COMPACTOR; KETTLE TENDER, POT AND WORKER APPLYING ASPHALT, LAY-KOLD, CREOSOTE, LIME, CAUSTIC AND SIMILAR TYPE MATERIALS (APPLYING MEANS APPLYING, DIPPING OR HANDLING OF SUCH MATERIALS); LAGGING, SHEETING, WHALING, BRACING, TRENCHJACKING, LAGGING HAMMER; MAGNESITE, EPOXYRESIN, FIBERGLASS, MASTIC WORKER (WET OR DRY); NO JOINT PIPE AND STRIPPING OF SAME, INCLUDING REPAIR OF VOIDS; PAVEMENT BREAKER AND SPADER, INCLUDING TOOL GRINDER; PERMA CURB; PIPELAYER (INCLUDING GRADE CHECKING IN CONNECTION WITH PIPELAYING); PRECAST-MANHOLE SETTER; PRESSURE PIPE TESTER; POST HOLE DIGGER, AIR, GAS AND ELECTRIC; POWER BROOM SWEEPER; POWER TAMPERS OF ALL TYPES (EXCEPT AS SHOWN IN GROUP 2); RAM SET GUN AND STUD GUN; RIPRAP STONEPAVER AND ROCK-SLINGER, INCLUDING PLACING OF SACKED CONCRETE AND/OR SAND (WET OR DRY) AND GABIONS AND SIMILAR TYPE; ROTARY SCARIFIER OR MULTIPLE HEAD CONCRETE CHIPPING SCARIFIER; ROTO AND DITCH WITCH; ROTOTILLER; SANDBLASTER, POT, GUN, NOZZLE OPERATORS; SIGNALLING AND RIGGING; TANK CLEANER; TREE CLIMBER; TURBO BLASTER; VIBRASCREED, BULL FLOAT IN CONNECTION WITH LABORERS' WORK; VIBRATOR; HAZARDOUS WASTE WORKER (LEAD REMOVAL); ASBESTOS AND MOLD REMOVAL WORKER (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES)
FOOTNOTES: LABORERS WORKING OFF OR WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS, BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH IN GROUP 1-A BELOW. SEWER CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1 WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00 PER DAY ABOVE GROUP 1 WAGE RATES.
MAINTENANCE AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25 PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK PERFORMED ON UNDERGROUND STRUCTURES NOT SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY

COVER HAS BEEN PLACED. MARIPOSA,
MERCED, STANISLAUS, AND TUOLUMNE , COUNTIES.....$ 35.50 27.30
LABORER, CONSTRUCTION CRAFT LABORERS - AREA B:
CONSTRUCTION SPECIALIST GROUP ASPHALT IRONER AND
RAKER; CHAINSAW; LASER BEAM IN CONNECTION WITH
LABORERS' WORK; CAST-IN- PLACE MANHOLE FORM SETTER;
PRESSURE PIPELAYER; DAVIS TRENCHER - 300 OR SIMILAR
TYPE (AND ALL SMALL TRENCHERS); BLASTER; DIAMOND
DRILLER; MULTIPLE UNIT DRILL; HYDRAULIC DRILL
MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE ,
COUNTIES FOOTNOTES: LABORERS WORKING OFF OR
WITH OR FROM BOS'N CHAIRS, SWINGING SCAFFOLDS,
BELTS SHALL RECEIVE $0.25 PER HOUR ABOVE THE
APPLICABLE WAGE RATE. THIS SHALL NOT APPLY TO
WORKERS ENTITLED TO RECEIVE THE WAGE RATE SET FORTH
IN GROUP 1-A BELOW. SEWER
CLEANERS SHALL RECEIVE $4.00 PER DAY ABOVE GROUP 1
WAGE RATES. ""SEWER CLEANER"" MEANS ANY WORKER WHO
HANDLES OR COMES IN CONTACT WITH RAW SEWAGE IN
SMALL DIAMETER SEWERS. THOSE WHO WORK INSIDE
RECENTLY ACTIVE, LARGE DIAMETER SEWERS, AND ALL
RECENTLY ACTIVE SEWER MANHOLES SHAL RECEIVE $5.00
PER DAY ABOVE GROUP 1 WAGE RATES. MAINTENANCE
AND REPAIR TRACK AND ROAD BEDS. ALL EMPLOYEES
PERFORMING WORK COVERED HEREIN SHALL RECEIVE $ .25
PER HOUR ABOVE THEIR REGULAR RATE FOR ALL WORK
PERFORMED ON UNDERGROUND STRUCTURES NOT
SPECIFICALLY COVERED HEREIN. THIS PARAGRAPH SHALL
NOT BE CONSTRUED TO APPLY TO WORK BELOW GROUND
LEVEL IN OPEN CUT. IT SHALL APPLY TO CUT AND COVER
WORK OF SUBWAY CONSTRUCTION AFTER THE TEMPORARY
COVER HAS BEEN PLACED.....$ 36.20 27.30

LABO1130-009 07/01/2023

	Rates	Fringes
LABORER, PLASTER TENDER (MARIPOSA, MERCED, STANISLAUS, AND TUOLUMNE COUNTIES) WORK ON A SWING STAGE SCAFFOLD: $1.00 PER HOUR ADDITIONAL.....	$ 39.77	28.54

PAIN0016-001 01/01/2025

	Rates	Fringes
PAINTERS: ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN MATEO, SANTA CLARA, AND SANTA CRUZ COUNTIES) PREMIUMS: EXOTIC MATERIALS - $1.25 ADDITIONAL PER HOUR. SPRAY WORK: - $0.50 ADDITIONAL PER HOUR. INDUSTRIAL PAINTING - $0.25 ADDITIONAL PER HOUR [WORK ON INDUSTRIAL BUILDINGS USED FOR THE MANUFACTURE AND PROCESSING OF GOODS FOR SALE OR SERVICE; STEEL CONSTRUCTION (BRIDGES), STACKS, TOWERS, TANKS, AND SIMILAR STRUCTURES] HIGH WORK: OVER 50 FEET - $2.00 PER HOUR ADDITIONAL 100 TO 180 FEET - $4.00 PER HOUR ADDITIONAL OVER 180 FEET - $6.00 PER HOUIR ADDITIONAL.....	$ 53.38	28.04

PAIN0016-003 01/01/2025

	Rates	Fringes
DRYWALL FINISHER/TAPER: (AREA 2).....	$ 59.63	31.29
DRYWALL FINISHER/TAPER: (AREA 1).....	$ 63.76	32.69

PAIN0016-012 01/01/2024

	Rates	Fringes
SOFT FLOOR LAYER ALAMEDA, CONTRA COSTA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA AND SANTA CRUZ COUNTIES	$ 59.00	33.03

PAIN0016-015 01/01/2025

	Rates	Fringes
PAINTER: BRUSH (CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE COUNTIES) FOOTNOTES: SPRAY/SANDBLAST: $0.50 ADDITIONAL PER HOUR. EXOTIC MATERIALS: $1.25 ADDITIONAL PER HOUR. HIGH TIME: OVER 50 FT ABOVE GROUND OR WATER LEVEL $2.00 ADDITIONAL PER HOUR. 100 TO 180 FT ABOVE GROUND OR WATER LEVEL $4.00 ADDITIONAL PER HOUR. OVER 180 FT ABOVE GROUND OR WATER LEVEL $6.00 ADDITIONAL PER HOUR	$ 43.45	22.80

PAIN0016-022 01/01/2025

	Rates	Fringes
PAINTER (SAN FRANCISCO COUNTY)	$ 57.00	28.04

PAIN0169-001 01/01/2023

	Rates	Fringes
GLAZIER (FRESNO, KINGS, MADERA, MARIPOSA AND MERCED COUNTIES)	$ 44.33	28.88

PAIN0169-005 01/01/2024

	Rates	Fringes
GLAZIER (ALAMEDA CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA & SANTA CRUZ COUNTIES)	$ 56.22	34.00

PAIN0294-004 07/01/2023

	Rates	Fringes
PAINTER: DRYWALL FINISHER/TAPER (FRESNO, KINGS AND MADERA COUNTIES) FOOTNOTE: SPRAY PAINTERS & PAPERHANGERS RECIVE $1.00 ADDITIONAL PER HOUR. PAINTERS DOING DRYWALL PATCHING RECEIVE $1.25 ADDITIONAL PER HOUR. LEAD ABATERS & SANDBLASTERS RECEIVE $1.50 ADDITIONAL PER HOUR. HIGH TIME - OVER 30 FEET (DOES NOT INCLUDE WORK FROM A LIFT) $0.75 PER HOUR ADDITIONAL	$ 35.74	21.80
PAINTER: BRUSH, ROLLER (FRESNO, KINGS AND MADERA COUNTIES) FOOTNOTE: SPRAY PAINTERS & PAPERHANGERS RECIVE $1.00 ADDITIONAL PER HOUR. PAINTERS DOING DRYWALL PATCHING RECEIVE $1.25 ADDITIONAL PER HOUR. LEAD ABATERS & SANDBLASTERS RECEIVE $1.50 ADDITIONAL PER HOUR. HIGH TIME - OVER 30 FEET (DOES NOT INCLUDE WORK FROM A LIFT) $0.75 PER HOUR ADDITIONAL	$ 34.49	21.80

PAIN0294-005 01/01/2023

	Rates	Fringes
SOFT FLOOR LAYER (FRESNO, KINGS & MADERA)	$ 38.53	23.19

PAIN0767-001 01/01/2024

	Rates	Fringes
GLAZIER (CALAVERAS, SAN JOAQUIN, STANISLAUS AND		

TUOLUMNE COUNTIES) PAID HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING, JR. DAY, PRESIDENT'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERAN'S DAY, THANKSGIVING DAY, AND CHRISTMAS DAY.
  EMPLOYEE REQUIRED TO WEAR A BODY HARNESS SHALL RECEIVE $1.50 PER HOUR ABOVE THE BASIC HOURLY RATE AT ANY ELEVATION.....$ 43.25 35.62

PAIN1176-001 07/01/2022

	Rates	Fringes
PARKING LOT STRIPING/HIGHWAY MARKING: HIGHWAY IMPROVEMENT: GROUP 3 PROTECTIVE COATING, PAVEMENT SEALING	$ 35.11	17.62
PARKING LOT STRIPING/HIGHWAY MARKING: HIGHWAY IMPROVEMENT: GROUP 1 STRIPER: LAYOUT AND APPLICATION OF PAINTED TRAFFIC STRIPES AND MARKING; HOT THERMO PLASTIC; TAPE, TRAFFIC STRIPES AND MARKINGS	$ 40.83	17.62
PARKING LOT STRIPING/HIGHWAY MARKING: HIGHWAY IMPROVEMEMT: GROUP 2 GAMECOURT & PLAYGROUND INSTALLER	$ 34.71	17.62

PAIN1237-003 01/01/2024

	Rates	Fringes
SOFT FLOOR LAYER (CALAVERAS; SAN JOAQUIN COUNTIES; STANISLAUS AND TUOLUMNE COUNTIES)	$ 48.54	26.59

PLAS0066-002 07/01/2019

	Rates	Fringes
PLASTERER (ALAMEDA, CONTRA COSTA, SAN MATEO AND SAN FRANCISCO COUNTIES)	$ 42.41	30.73

PLAS0300-001 07/01/2018

	Rates	Fringes
PLASTERER (AREA 337: MONTEREY COUNTY)	$ 32.88	31.68
PLASTERER (AREA 295: CALAVERAS & SAN JOAQUIN COUNTIES)	$ 32.70	31.68
PLASTERER (AREA 224: SAN BENITO, SANTA CLARA, SANTA CRUZ)	$ 32.88	31.68
PLASTERER (AREA 188: FRESNO)	$ 32.70	31.68
PLASTERER (AREA 429: MARIPOSA, MERCED, STANISLAUS, TUOLUMNE COUNTIES)	$ 32.70	31.68

PLAS0300-005 07/01/2016

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 32.15	23.27

PLUM0038-001 07/01/2023

	Rates	Fringes
PLUMBER, PLUMBER, STEAMFITTER, REFRIGERATION FITTER (SAN FRANCISCO COUNTY)	$ 85.50	48.98

PLUM0038-005 07/01/2025

	Rates	Fringes
LANDSCAPE/IRRIGATION FITTER: UNDERGROUND/UTILITY FITTER (SAN FRANCISCO COUNTY)	$ 77.35	36.53

PLUM0062-001 01/01/2026

	Rates	Fringes
PLUMBER & STEAMFITTER (MONTEREY AND SANTA CRUZ COUNTIES)	$ 57.75	43.60

PLUM0159-001 07/01/2025

	Rates	Fringes
PLUMBER AND STEAMFITTER: (2) ALL OTHER WORK (CONTRA COSTA COUNTY)	$ 68.57	49.04
PLUMBER AND STEAMFITTER: (1) REFRIGERATION (CONTRA COSTA COUNTY)	$ 67.68	49.04

PLUM0246-001 01/01/2026

	Rates	Fringes
PLUMBER & STEAMFITTER (FRESNO, KINGS & MADERA COUNTIES)	$ 54.50	42.54

PLUM0246-004 01/01/2017

	Rates	Fringes
PLUMBER: PIPE TRADESMAN PIPE TRADESMAN SCOPE OF WORK: INSTALLATION OF CORRUGATED METAL PIPING FOR DRAINAGE, AS WELL AS INSTALLATION OF CORRUGATED METAL PIPING FOR CULVERTS IN CONNECTION WITH STORM SEWERS AND DRAINS; GROUTING, DRY PACKING AND DIAPERING OF JOINTS, HOLES OR CHASES INCLUDING PAVING OVER JOINTS, IN PIPING; TEMPORARY PIPING FOR DIRT WORK FOR BUILDING SITE PREPARATION; OPERATING JACK HAMMERS, PAVEMENT BREAKERS, CHIPPING GUNS, CONCRETE SAWS AND SPADES TO CUT HOLES, CHASES AND CHANNELS FOR PIPING SYSTEMS; DIGGING, GRADING, BACKFILLING AND GROUND PREPARATION FOR ALL TYPES OF PIPE TO ALL POINTS OF THE JOBSITE; GROUND PREPARATION INCLUDING GROUND LEVELING, LAYOUT AND PLANTING OF SHRUBBERY, TREES AND GROUND COVER, INCLUDING WATERING, MOWING, EDGING, PRUNING AND FERTILIZING, THE BREAKING OF CONCRETE, DIGGING, BACKFILLING AND TAMPING FOR THE PREPARATION AND COMPLETION OF ALL WORK IN CONNECTION WITH LAWN SPRINKLER AND LANDSCAPING; LOADING, UNLOADING AND DISTRIBUTING MATERIALS AT JOBSITE; PUTTING AWAY MATERIALS IN STORAGE BINS IN JOBSITE SECURE STORAGE AREA; DEMOLITION OF PIPING AND FIXTURES FOR REMODELING AND ADDITIONS; SETTING UP AND TEARING DOWN WORK BENCHES, LADDERS AND JOB SHACKS; CLEAN-UP AND SWEEPING OF JOBSITE; PIPE WRAPPING AND WATERPROOFING WHERE TAR OR SIMILAR MATERIAL IS APPLIED FOR PROTECTION OF BURIED PIPING; FLAGMAN	$ 13.00	10.74

PLUM0342-001 07/01/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (ALAMEDA & CONTRA COSTA COUNTIES)	$ 80.50	50.45
PIPEFITTER: CONTRA COSTA COUNTY (ALAMEDA & CONTRA COSTA COUNTIES)	$ 80.50	50.45

PLUM0355-004 07/01/2025

	Rates	Fringes
UNDERGROUND UTILITY WORKER: /LANDSCAPE FITTER ALAMEDA, CALAVERAS, CONTRA COSTA, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN		

JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ,
STANISLAUS, AND TUOLUMNE COUNTIES.....$ 36.01 18.50

PLUM0393-001 07/01/2021

	Rates	Fringes
PLUMBER/PIPEFITTER (SAN BENITO AND SANTA CLARA COUNTIES).....	$ 68.76	46.63

PLUM0442-001 01/01/2026

	Rates	Fringes
PLUMBER & STEAMFITTER (CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS & TUOLUMNE COUNTIES).....	$ 58.45	38.74

PLUM0467-001 07/01/2025

	Rates	Fringes
PLUMBER/PIPEFITTER/STEAMFITTER (SAN MATEO COUNTY)...	$ 87.75	41.44

ROOF0027-002 09/01/2024

	Rates	Fringes
ROOFER (FRESNO, KINGS, AND MADERA COUNTIES).....	$ 45.76	16.86

ROOF0040-002 08/01/2024

	Rates	Fringes
ROOFER (SAN FRANCISCO & SAN MATEO COUNTIES).....	$ 55.30	22.97

ROOF0081-001 08/01/2024

	Rates	Fringes
ROOFER (ALAMEDA AND CONTRA COSTA COUNTIES).....	$ 54.94	23.34

ROOF0081-004 08/01/2024

	Rates	Fringes
ROOFER (CALAVERAS, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES).....	$ 49.65	22.19

ROOF0095-002 08/01/2023

	Rates	Fringes
ROOFER: KETTLE PERSON (2 KETTLES) (MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES:).....	$ 55.17	21.51
ROOFER: JOURNEYMAN (MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES).....	$ 53.17	21.51
ROOFER: BITUMASTIC, ENAMELER, COAL TAR, PITCH AND MASTIC WORKER (MONTEREY, SAN BENITO, SANTA CLARA, AND SANTA CRUZ COUNTIES).....	$ 57.17	21.51

SFCA0483-001 01/01/2026

	Rates	Fringes
SPRINKLER FITTER: FIRE (ALAMEDA, CONTRA COSTA, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES)..	$ 81.54	41.35

SFCA0669-011 01/01/2026

	Rates	Fringes
SPRINKLER FITTER CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, MONTEREY, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, STANISLAUS AND TUOLUMNE		

COUNTIES:.....$ 49.69 29.72

SHEE0104-001 07/01/2025

	Rates	Fringes
SHEET METAL WORKER: (AREA 2).....	$ 64.23	39.65

SHEE0104-003 07/01/2021

	Rates	Fringes
SHEET METAL WORKER (CALAVERAS AND SAN JOAQUIN COUNTIES).....	$ 44.34	39.22

SHEE0104-005 07/01/2021

	Rates	Fringes
SHEET METAL WORKER: EXCLUDING METAL DECK AND SIDING (MARIPOSA, MERCED, STANISLAUS AND TUOLUMNE COUNTIES).....	$ 41.28	45.41

SHEE0104-007 07/01/2021

	Rates	Fringes
SHEET METAL WORKER (FRESNO, KINGS, AND MADERA COUNTIES).....	$ 44.07	40.79

SHEE0104-015 07/01/2024

	Rates	Fringes
SHEET METAL WORKER: METAL DECKING AND SIDING ONLY ALAMEDA, CONTRA COSTA, MONTEREY, SAN BENITO, SAN FRANCISCO, SAN MATEO, SANTA CLARA AND SANTA CRUZ COUNTIES:.....	$ 56.23	37.52

SHEE0104-018 07/01/2024

	Rates	Fringes
SHEET METAL WORKER: METAL DECKING AND SIDING ONLY CALAVERAS, FRESNO, KINGS, MADERA, MARIPOSA, MERCED, SAN JOAQUIN, STANISLAUS AND TUOLUMNE COUNTIES:.....	$ 56.23	37.52

TEAM0094-001 07/01/2025

	Rates	Fringes
TRUCK DRIVERS: GROUP 5: DUMP TRUCKS, 65 YDS. AND OVER; HOLLAND HAULER; LOW BED HEAVY DUTY TRANSPORT OVER 7 AXLES FOOTNOTES: ARTICULATED DUMP TRUCK; BULK CEMENT SPREADER (WITH OR WITHOUT AUGER); DUMPCRETE TRUCK; SKID TRUCK (DEBRIS BOX); DRY PRE-BATCH CONCRETE MIX TRUCKS; DUMPSTER OR SIMILAR TYPE; SLURRY TRUCK: USE DUMP TRUCK YARDAGE RATE. HEATER PLANER; ASPHALT BURNER; SCARIFIER BURNER; INDUSTRIAL LIFT TRUCK (MECHANICAL TAILGATE); UTILITY AND CLEAN-UP TRUCK: USE APPROPRIATE RATE FOR THE POWER UNIT OR THE EQUIPMENT UTILIZED. TRUCK DRIVER CLASSIFICATIONS.....	$ 44.56	34.28
TRUCK DRIVERS: GROUP 4: DUMP TRUCKS, OVER 25 YDS. AND UNDER 65 YDS.; WATER PULLS - DW 10'S, 20'S, 21'S AND OTHER SIMILAR EQUIPMENT WHEN PULLING AQUA/PAK OR WATER TANK TRAILERS; HELICOPTER PILOTS (WHEN TRANSPORTING MEN AND MATERIALS); LOWBEDK HEAVY DUTY TRANSPORT UP TO INCLUDING 7 AXLES; DW10'S, 20'S, 21'S AND OTHER SIMILAR CAT TYPE, TERRA COBRA, LETOURNEAU PULLS, TOURNOROCKER, EUCLID		

AND SIMILAR TYPE EQUIPMENT WHEN PULLING FUEL AND/OR GREASE TANK TRAILERS OR OTHER MISCELLANEOUS TRAILERS; VACUUM TRUCKS 7500 GALS AND OVER AND TRUCK REPAIRMAN FOOTNOTES: ARTICULATED DUMP TRUCK; BULK CEMENT SPREADER (WITH OR WITHOUT AUGER); DUMPCRETE TRUCK; SKID TRUCK (DEBRIS BOX); DRY PRE-BATCH CONCRETE MIX TRUCKS; DUMPSTER OR SIMILAR TYPE; SLURRY TRUCK: USE DUMP TRUCK YARDAGE RATE. HEATER PLANER; ASPHALT BURNER; SCARIFIER BURNER; INDUSTRIAL LIFT TRUCK (MECHANICAL TAILGATE); UTILITY AND CLEAN-UP TRUCK: USE APPROPRIATE RATE FOR THE POWER UNIT OR THE EQUIPMENT UTILIZED. TRUCK DRIVER CLASSIFICATIONS.....$ 44.21 34.28

TRUCK DRIVERS: GROUP 3: DUMP TRUCKS, 8 YDS. AND INCLUDING 24 YDS.; TRANSIT MIXERS, OVER 10 YDS.; WATER TRUCKS, 7,000 GALS. AND OVER; JETTING TRUCKS, 7,000 GALS. AND OVER; VACUUM TRUCKS UNDER 7500 GALS. TRUCKS TOWING TILT BED OR FLAT BED PULL TRAILERS; LOWBED HEAVY DUTY TRANSPORT; HEAVY DUTY TRANSPORT TILLER PERSON; SELF- PROPELLED STREET SWEEPER WITH SELF-CONTAINED REFUSE BIN; BOOM TRUCK - HYDRO-LIFT OR SWEDISH TYPE EXTENSION OR RETRACTING CRANE; P.B. OR SIMILAR TYPE SELF-LOADING TRUCK; TIRE REPAIRPERSON; COMBINATION BOOTPERSON AND ROAD OILER; DRY DISTRIBUTION TRUCK (A BOOTPERSON WHEN EMPLOYED ON SUCH EQUIPMENT, SHALL RECEIVE THE RATE SPECIFIED FOR THE CLASSIFICATION OF ROAD OIL TRUCKS OR BOOTPERSON); AMMONIA NITRATE DISTRIBUTOR, DRIVER AND MIXER; SNOW GO AND/OR PLOW FOOTNOTES: ARTICULATED DUMP TRUCK; BULK CEMENT SPREADER (WITH OR WITHOUT AUGER); DUMPCRETE TRUCK; SKID TRUCK (DEBRIS BOX); DRY PRE-BATCH CONCRETE MIX TRUCKS; DUMPSTER OR SIMILAR TYPE; SLURRY TRUCK: USE DUMP TRUCK YARDAGE RATE. HEATER PLANER; ASPHALT BURNER; SCARIFIER BURNER; INDUSTRIAL LIFT TRUCK (MECHANICAL TAILGATE); UTILITY AND CLEAN-UP TRUCK: USE APPROPRIATE RATE FOR THE POWER UNIT OR THE EQUIPMENT UTILIZED. TRUCK DRIVER CLASSIFICATIONS.....$ 43.86 34.28

TRUCK DRIVERS: GROUP 2: DUMP TRUCKS, 6 YDS. AND UNDER 8 YDS.; TRANSIT MIXERS, THROUGH 10 YDS.; WATER TRUCKS, UNDER 7,000 GALS.; JETTING TRUCKS, UNDER 7,000 GALS.; SINGLE-UNIT FLAT RACK (3-AXLE UNIT); HIGHBED HEAVY DUTY TRANSPORT; SCISSOR TRUCK; RUBBER-TIRED MUCK CAR (NOT SELF-LOADED); RUBBER-TIRED TRUCK JUMBO; WINCH TRUCK AND ""A"" FRAME DRIVERS; COMBINATION WINCH TRUCK WITH HOIST; ROAD OIL TRUCK OR BOOTPERSON; BUGGYMOBILE; ROSS, HYSTER AND SIMILAR STRADDLE CARRIERS; SMALL RUBBER-TIRED TRACTOR FOOTNOTES: ARTICULATED DUMP TRUCK; BULK CEMENT SPREADER (WITH OR WITHOUT AUGER); DUMPCRETE TRUCK; SKID TRUCK (DEBRIS BOX); DRY PRE-BATCH CONCRETE MIX TRUCKS; DUMPSTER OR SIMILAR TYPE; SLURRY TRUCK: USE DUMP TRUCK YARDAGE RATE. HEATER PLANER; ASPHALT BURNER; SCARIFIER BURNER; INDUSTRIAL LIFT TRUCK (MECHANICAL TAILGATE); UTILITY AND CLEAN-UP TRUCK: USE APPROPRIATE RATE FOR THE POWER UNIT OR THE EQUIPMENT UTILIZED. TRUCK DRIVER CLASSIFICATIONS.....$ 43.56 34.28

TRUCK DRIVERS: GROUP 1: DUMP TRUCKS, UNDER 6 YDS.; SINGLE UNIT FLAT RACK (2- AXLE UNIT); NIPPER TRUCK (WHEN FLAT RACK TRUCK IS USED APPROPRIATE FLAT RACK SHALL APPLY); CONCRETE PUMP TRUCK (WHEN FLAT RACK TRUCK IS USED APPROPRIATE FLAT RACK SHALL APPLY);

CONCRETE PUMP MACHINE; FORK LIFT AND LIFT JITNEYS;
FUEL AND/OR GREASE TRUCK DRIVER OR FUEL PERSON;
SNOW BUGGY; STEAM CLEANING; BUS OR PERSONHAUL
DRIVER; ESCORT OR PILOT CAR DRIVER; PICKUP TRUCK;
TEAMSTER OILER/GREASER AND/OR SERVICEPERSON; HOOK
TENDER (INCLUDING LOADING AND UNLOADING); TEAM
DRIVER; TOOL ROOM ATTENDANT (REFINERIES)
FOOTNOTES: ARTICULATED DUMP TRUCK; BULK CEMENT
SPREADER (WITH OR WITHOUT AUGER); DUMPCRETE TRUCK;
SKID TRUCK (DEBRIS BOX); DRY PRE-BATCH CONCRETE MIX
TRUCKS; DUMPSTER OR SIMILAR TYPE; SLURRY TRUCK: USE
DUMP TRUCK YARDAGE RATE. HEATER PLANER;
ASPHALT BURNER; SCARIFIER BURNER; INDUSTRIAL LIFT
TRUCK (MECHANICAL TAILGATE); UTILITY AND CLEAN-UP
TRUCK: USE APPROPRIATE RATE FOR THE POWER UNIT OR
THE EQUIPMENT UTILIZED. TRUCK
DRIVER CLASSIFICATIONS.....$ 43.26 34.28

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.
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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave
for Federal Contractors applies to all contracts subject to the
Davis-Bacon Act for which the contract is awarded (and any
solicitation was issued) on or after January 1, 2017. If this
contract is covered by the EO, the contractor must provide
employees with 1 hour of paid sick leave for every 30 hours
they work, up to 56 hours of paid sick leave each year.
Employees must be permitted to use paid sick leave for their
own illness, injury or other health-related needs, including
preventive care; to assist a family member (or person who is
like family to the employee) who is ill, injured, or has other
health-related needs, including preventive care; or for reasons
resulting from, or to assist a family member (or person who is
like family to the employee) who is a victim of, domestic
violence, sexual assault, or stalking. Additional information
on contractor requirements and worker protections under the EO
is available at https://www.dol.gov/agencies/whd/government-contracts.

Note: Executive Order 13658 generally applies to contracts subject
to the Davis-Bacon Act that were awarded on or between January 1,
2015 and January 29, 2022, and that have not been renewed or
extended on or after January 30, 2022. Executive Order 13658 does
not apply to contracts subject only to the Davis-Bacon Related Acts
regardless of when they were awarded. If a contract is subject to
Executive Order 13658, the contractor must pay all covered workers
at least $13.65 per hour (or the applicable wage rate listed on this
wage determination, if it is higher) for all hours spent performing on
the contract from May 11, 2026, through December 31, 2026. The
applicable Executive Order minimum wage rate will be adjusted annually.
Additional information on contractor requirements and worker
protections under Executive Order 13658 is available at
www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within
the scope of the classifications listed may be added after
award only as provided in the labor standards contract clauses
(29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications
and wage rates that have been found to be prevailing for the
type(s) of construction and geographic area covered by the wage
determination. The classifications are listed in alphabetical

order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than "SU", "UAVG", "SA", or "SC" denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The "SU" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

"SU" wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ◆SA◆ identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ◆SA◆ identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

a) a survey underlying a wage determination
b) an existing published wage determination
c) an initial WHD letter setting forth a position on a wage determination matter
d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

APPENDIX D: FHWA FORM-1273: REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. Non-segregated Facilities
IV. Davis-Bacon and Related Act Provisions
V. Contract Work Hours and Safety Standards Act Provisions
VI. Subletting or Assigning the Contract
VII. Safety: Accident Prevention
VIII. False Statements Concerning Highway Projects
IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
XI. Certification Regarding Use of Contract Funds for Lobbying
XII. Use of United States-Flag Vessels:

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding $10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (*see* 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

> "It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurances Required:

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:
(1) Withholding monthly progress payments;
(2) Assessing sanctions;
(3) Liquidated damages; and/or
(4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than $10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 “Contract provisions and related matters” with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act (40 U.S.C. 3141(2)(B)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided,* That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH–1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in 29 CFR part 1, a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to *DBAconformance@dol.gov*. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to *DBAconformance@dol.gov*, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.* Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided,* That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph

2.a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements* (1) *Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements* (1) *Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (*e.g.,* the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH–347 or in any other format desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division website at *https://www.dol.gov/sites/dolgov/files/WHD/legacy/files/wh347/.pdf* or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR part 3; and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH–347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 3729.

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under 29 CFR part 6 any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices* (1) *Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeyworkers under this part must be in conformity with

the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, 18 U.S.C. 1001.

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or 29 CFR part 1 or 3; or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or 29 CFR part 1 or 3.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* $31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term “perform work with its own organization” in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of $150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1**. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

* * * * *

3. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily

excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, ‘on-board’ commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B)
This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

APPENDIX E: TITLE VI ASSURANCES

13. TITLE VI ASSURANCES

[The U.S. Department of Transportation Order No.1050.2A requires all federal-aid Department of Transportation contracts between an agency and a contractor to contain Appendix A and E.
Note: Appendix B only requires inclusion if the contract impacts deeds effecting or recording the transfer of real property, structures, or improvements thereon, or granting interest therein. Appendices C and D only require inclusion if the contract impacts deeds, licenses, leases, permits, or similar instruments entered into by the recipient.]

APPENDIX A

During the performance of this Agreement, the contractor, for itself, its assignees and successors in interest (hereinafter collectively referred to as CONTRACTOR) agrees as follows:

a. Compliance with Regulations: CONTRACTOR shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the REGULATIONS), which are herein incorporated by reference and made a part of this agreement.

b. Nondiscrimination: CONTRACTOR, with regard to the work performed by it during the AGREEMENT, shall not discriminate on the grounds of race, color, sex, national origin, religion, age, or disability in the selection and retention of sub-applicants, including procurements of materials and leases of equipment. CONTRACTOR shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the agreement covers a program set forth in Appendix B of the Regulations.

c. Solicitations for Sub-agreements, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by CONTRACTOR for work to be performed under a Sub- agreement, including procurements of materials or leases of equipment, each potential sub-applicant or supplier shall be notified by CONTRACTOR of the CONTRACTOR'S obligations under this Agreement and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.

d. Information and Reports: CONTRACTOR shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the recipient or FHWA to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of CONTRACTOR is in the exclusive possession of another who fails or refuses to furnish this information, CONTRACTOR shall so certify to the recipient or FHWA as appropriate, and shall set forth what efforts CONTRACTOR has made to obtain the information.

e. Sanctions for Noncompliance: In the event of CONTRACTOR's noncompliance with the nondiscrimination provisions of this agreement, the recipient shall impose such agreement sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:
    i. withholding of payments to CONTRACTOR under the Agreement within a reasonable period of time, not to exceed 90 days; and/or
    ii. cancellation, termination or suspension of the Agreement, in whole or in part.

f. Incorporation of Provisions: CONTRACTOR shall include the provisions of paragraphs (1) through (6) in every sub-agreement, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto.

CONTRACTOR shall take such action with respect to any sub-agreement or procurement as the recipient or FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance, provided, however, that, in the event CONTRACTOR becomes involved in, or is threatened with, litigation with a sub-applicant or supplier as a result of such direction, CONTRACTOR may request the recipient enter into such litigation to protect the interests of the State, and, in addition, CONTRACTOR may request the United States to enter into such litigation to protect the interests of the United States.

APPENDIX E

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities, including, but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), prohibits discrimination on the basis of sex;
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 U.S.C. § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination of the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

APPENDIX F: QUALITY ASSURANCE PROGRAM

QUALITY ASSURANCE PROGRAM

CITY OF TURLOCK

156 S BROADWAY ST
TURLOCK, CA 95380

Prepared By:

Stephen R. Fremming, PE
Principal Civil Engineer

LICENSED PROFESSIONAL ENGINEER
STEPHEN R. FREMMING
C 80224
Exp. 9/30/2022
CIVIL
STATE OF CALIFORNIA

Approved By:

Nathan B. Bray, PE
Interim Development Services Director / City Engineer

REGISTERED PROFESSIONAL ENGINEER
NATHAN B. BRAY
C 76642
Exp: 12/31/2022
CIVIL
STATE OF CALIFORNIA

Date: July 30, 2021

QUALITY ASSURANCE PROGRAM

CITY OF TURLOCK

156 S BROADWAY ST
TURLOCK, CA 95380

Prepared By:

Stephen R. Fremming, PE
Principal Civil Engineer

LICENSED PROFESSIONAL ENGINEER
STEPHEN R. FREMMING
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CIVIL
STATE OF CALIFORNIA

Approved By:

Nathan B. Bray, PE
Interim Development Services Director / City Engineer

REGISTERED PROFESSIONAL ENGINEER
NATHAN B. BRAY
C 76642
CIVIL
STATE OF CALIFORNIA

Date: July 30, 2021

1.0 PURPOSE

The purpose of this program is to provide assurance that the materials incorporated into construction projects are in conformance with the contract specifications. To accomplish this purpose, the following terms and definitions will be used:

DEFINITION OF TERMS

- Acceptance Testing (AT) – Sampling and testing, or inspection, to determine the degree of compliance with contract requirements.
- Independent Assurance Program (IAP) – Verification that AT is being performed correctly by qualified testers and laboratories.
- Quality Assurance Program (QAP) - A sampling and testing program that will provide assurance that the materials and workmanship incorporated into the construction contract are in conformance with the contract specifications. The main elements of a QAP are the AT and IAP.
- Source Inspection – AT of manufactured and prefabricated materials at locations other than the job site, generally at the manufactured location.

This QAP applies to both local projects not located on the National Highway System (NHS) or the State Highway System (SHS), as well as projects located on the NHS and SHS. Said projects are referred to as "Non-NHS" and "Non-SHS". For projects located on the NHS and SHS, the City of Turlock adopts the Caltrans QAP Sampling and Testing Frequency Tables located in Appendix 1 and as detailed in the following Caltrans documents: Construction Manual, Construction Manual Supplement for Local Agency REs, Local Assistance Structure Representative Guidelines, and Independent Assurance Manual. For Non-NHS and non-SHS projects that receive federal funds, the City of Turlock utilizes the Sampling and Testing Frequency Tables located in Appendix 2.

2.0 MATERIALS LABORATORY

The City of Turlock will use a private consultant materials laboratory to perform AT on Federal-aid and other designated projects. The materials laboratory shall be under the responsible management of a California Registered Engineer with experience in sampling, inspection and testing of construction materials. The Engineer shall certify the results of all test performed by laboratory personnel under the Engineer's supervision. The materials laboratory shall contain certified test equipment capable of performing the test conforming to the provisions of this QAP.

The materials laboratory used shall provide documentation that the laboratory complies with the following procedures:

1. Correlation Testing Program – The materials laboratory shall be a participant in one or more of the following testing programs:

a. AASHTO Materials Reference Laboratory (AMRL)
b. Cement and Concrete Reference Laboratory (CCRL)
c. Caltrans' Reference Samples Program (RSP)

2. Certification of Personnel – The materials laboratory shall employ personnel who are certified by one or more of the following:

a. Caltrans District Materials Engineer
b. Nationally recognized non-Caltrans organizations such as the American Concrete Institute, Asphalt Institute, National Institute of Certification of Engineering Technologies, etc.
c. Other recognized organizations approved by the State of California and/or recognized by local governments or private associations.

3. Laboratory and Testing Equipment – The materials laboratory shall only use laboratory and testing equipment that is in good working order. All such equipment shall be calibrated at least once each year. All testing equipment must be calibrated by impartial means using devices of accuracy traceable to the National Institute of Standards and Technology. A decal shall be firmly affixed to each piece of equipment showing the date of the last calibration. All testing equipment calibration decals shall be checked as part of the IAP.

3.0 ACCEPTANCE TESTING (AT)

AT will be preformed by a materials laboratory certified to perform the required tests. The tests results will be used to ensure that all materials incorporated into the project are in compliance with the contract specifications.

Testing methods will be in accordance with the California Test Methods or a national recognized standard (i.e., AASHTO, ASTM, etc.) as specified in this QAP.

Sample locations, number of samples, sampling, and testfrequencies shall be in accordance with the contract specifications, though shall not be less stringent than that shown in Appendix 1 to this QAP.

4.0 INDEPENDENT ASSURANCE PROGRAM (IAP)

IAP shall be provided by personnel from an independent materials laboratory chosen the City of Turlock. IAP will be used to verify that the sampling and testing procedures are being performed properly and that all testing equipment is in good working condition and properly calibrated.

IAP personnel shall be certified in all required testing procedures, as part of IAP, and shall not be involved in any aspect of AT.

IAP shall be performed on every type of materials test required for the project. Proficiency tests shall be performed on Sieve Analysis, Sand Equivalent, and Cleanness Value tests. All other types of IAP shall be witness tests.

Poor correlation between acceptance tester's results and other test results may indicate probable deficiencies with the acceptance sampling and testing procedures. In cases of unresolved discrepancies, a complete review of AT shall be performed by IAP personnel. IAP samples and tests are not to be used for determining compliance with contract requirements. Compliance with contract requirements is determined only by AT.

5.0 REPORTING ACCEPTANCE TESTING RESULTS

The following are time periods for reporting material test results to the Resident Engineer:

- When the aggregate is sampled at material plants, test results for Sieve Analysis, Sand Equivalent and Cleanness Value should be submitted to the Resident Engineer within 24 hours after sampling.
- When materials are sampled at the job site, test results for compaction and maximum density should be submitted to the Resident Engineer within 24 hours after sampling.
- When soils and aggregates are sampled at the job site:
    - Test results for Sieve Analysis, Sand Equivalent and Cleanness Value should be submitted to the Resident Engineer within 72 hours after sampling.
    - Test results for "R" Value and asphalt concrete extraction should be submitted to the Resident Engineer within 96 hours after sampling.

When sampling products such as Portland Cement Concrete (PCC), cement-treated base (CTB), hot mix asphalt (HMA), and other such materials; the time of such sampling shall be varied with respect to the time of the day insofar as possible; in order to avoid a predictable sampling routine. The reporting of AT results shall be done on an expedited basis such as by fax or email.

6.0 TESTING OF MANUFACTURED MATERIALS

During the Design phase of the project, the Project Engineer may submit a "Source Inspection Request" to the consultant for inspection and testing of manufactured and prefabricated materials by their materials laboratory. A list of materials that can be typically accepted on the basis of certificates of compliance during construction is found in Appendix 2. All certificates of compliance shall conform to the requirements of the contract specifications.

7.0 PROJECT CERTIFICATION

Upon completion of a Federal-aid project, a "Materials Certificate" shall be completed by the Resident Engineer. The City shall include a "Materials Certificate" in the Report of Expenditures submitted to the Caltrans Distract Director. A copy of the "Materials Certificate" shall also be

included in the City's construction records. The City Engineer in charge of the construction function for the City shall sign the certificate. All materials incorporated into the work which does not conform to specifications must be explained and justified on the "Materials Certificate".

8.0 RECORDS

All material records of samples and tests, material releases and certificates of compliance for the construction project shall be incorporated into the Resident Engineer's project file. If a Federal-aid Project, the project files shall be available for at least 3 years following the date of final project voucher.:

When two or more projects are being furnished identical materials simultaneously from the same plant, it is not necessary to take separate samples of perform separate test for each project; however copies of the test reports are to be provided for each of the projects to complete the records.

9.0 LIST OF APPENDICES

- Appendix 1 – Size, Frequency, and Location of Sampling and Testing (NHS and SHS projects)
- Appendix 2 - Size, Frequency, and Location of Sampling and Testing (non-NHS and non-SHS projects)
- Appendix 3 - Materials Typically Accepted by Certificate of Compliance

APPENDIX 1

Size, Frequency, and Location of Sampling and Testing (NHS and SHS projects)

Earthwork (*Standard Specifications* Section 19) (1 of 3)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
STRUCTURE BACKFILL (Section 19-3.02C)					
Sieve Analysis	California Test 202	50 lb	Materials site or stockpile	1 every 3,000 tons or 2,000 cu yd	If uniform material is within specification limits, test frequency may be decreased to 1 per day
Sand Equivalent	California Test 217	50 lb	Materials site or stockpile	1 every 3,000 tons or 2,000 cu yd	If uniform material is within specification limits, test frequency may be decreased to 1 per day
Relative Compaction	California Test 231	Sample for California Test 216	Project site in accordance with California Test 231	1 every 2,000 sq yd and test compaction at every 8 in. of thickness	Relative compaction test is required at each location structure backfill is placed
Maximum Wet Density	California Test 216	35 lb	Relative compaction test site locations	1 every relative compaction test	Wet common-composite test maximum value may be used in accordance with California Test 231
PERVIOUS BACKFILL MATERIAL (Section 19-3.02D)					
Sieve Analysis	California Test 202	50 lb	Stockpile	1 every 3,000 tons or 2,000 cu yd	If uniform material within specification limits, test frequency may be decreased to 1 per day
COMPACTION (Section 19-5)					
R-Value	California Test 301	50 lb	Project site	Test to verify R-value if differing site conditions are encountered	If R-value testing in the materials report is incomplete because of preproject conditions, then test to verify design R-value
Relative Compaction	California Test 231	Sample for California Test 216	California Test 216	1 every 2,000 sq yd	
Maximum Wet Density	California Test 216	35 lb	Relative compaction test site locations	1 every relative compaction test	

Earthwork (*Standard Specifications* Section 19) (2 of 3)

Test	Test Method	Sample Size & Container Size	Sampling Location (See Note 1)	Acceptance Test Frequency	Remarks
EMBANKMENT CONSTRUCTION (Section 19-6)					
Relative Compaction	California Test 231	Sample for California Test 216	Project site in accordance with California Test 231	1 every 2,000 sq yd and test compaction at every 8 in. of thickness	
Maximum Wet Density	California Test 216	35 lb	Relative compaction test site locations	1 every relative compaction test	Wet common-composite test maximum value may be used in accordance with California Test 231
GEOSYNTHETIC REINFORCED EMBANKMENT (Section 19-6.02B)					
Plasticity Index	California Test 204	50 lb	Materials site or stockpile	1 per source before use	
pH	California Test 643	50 lb	Materials site or stockpile	1 per source before use	
Sieve Analysis	California Test 202	50 lb	Stockpile	Before use, 1 every 3,000 tons or 2,000 cu yd	If material is uniform and well within specification limits, the test frequency may be decreased to 1 per day
BORROW MATERIAL (Section 19-7)					
R-Value	California Test 301	50 lb	Import borrow source	1 per source	Test for R-value only when an R-value is specified for import borrow in the special provisions; if material at import borrow source is not uniform, increase testing frequency

Earthwork (*Standard Specifications* Section 19) (3 of 3)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
SHOULDER BACKING (Section 19-9)					
Crushed Particles	California Test 205	50 lb	Materials site or stockpile	1 per project before use	
Durability	California Test 229	50 lb	Materials site or stockpile	1 per project before use	
Unit Weight	California Test 212 Rodding Method	50 lb	Materials site or stockpile	1 per project before use	
Sieve Analysis	California Test 202	50 lb	Materials site or stockpile	1 every 3,000 tons or 2,000 cu yd	If uniform material is within specification limits, test frequency may be decreased to 1 per day
Sand Equivalent	California Test 217	50 lb	Materials site or stockpile	1 every 3,000 tons or 2,000 cu yd	If uniform material is within specification limits, test frequency may be decreased to 1 per day

Note:

1. Refer to California Test 125 for sampling procedures.

Stabilized Soils (*Standard Specifications* Section 24) (1 of 3)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
LIME (Section 24-2.02)					
Various properties	See *Standard Specifications* Section 24-2.02	One 10-lb sample for each type and source of lime; use a 2-qt airtight container	Initial sample provided by contractor; subsequent sampling from mid-point of delivery	Each 100 tons of lime, 2 per day maximum	Must be on an Authorized Material List and certificate of compliance must accompany each shipment; recommend 1 acceptance test per 5 samples of lime
LIME TREATMENT					
DETERMINATION OF LIME APPLICATION RATE (Section 24-2.01D)					
Unconfined Compressive Strength	California Test 373	100 lb	Native soils; test each type of material to be treated	Before soil stabilization work and if source of lime changes	To determine appropriate lime content
Optimum Moisture Content	California Test 373	100 lb	Native soils; test each type of material to be treated	Before soil stabilization work	
VERIFICATION OF LIME APPLICATION RATE AND STABILIZED SOIL MIXTURE (Section 24-2.01D)					
Lime Application (Dry Form)	Calibrated tray method or equal	Building paper or pan of known area	Surface receiving lime	Each 40,000 sq ft, 2 per day minimum	To determine if application rate is within ± 5% of ordered application rate
Lime Application (Slurry Form)	Volumetric measurement that is then reduced to lime weight	Deter-mined over known area	Slurry holding tank	Each 40,000 sq ft, 2 per day minimum	To determine if application rate is within ± 5% of ordered application rate
Uniformity of Mixed Stabilized Soil	Phenolphthalein alcohol indicator solution spray	N/A	Representative areas	Each day at five separate locations	Taken after completion of initial mixing

Stabilized Soils (*Standard Specifications* Section 24) (2 of 3)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
VERIFICATION OF LIME APPLICATION RATE AND STABILIZED SOIL MIXTURE (Section 24-2.01D)					
Moisture Content of Mixed Stabilized Soil	California Test 226	0.25 lb each sample	Representa-tive areas at mid depth	Each day at five separate locations to verify contractor's quality control tests	Taken during mellowing period
Gradation of Mixed Stabilized Soil	California Test 202	25 lb	Representa-tive areas	1 every 4,000 sq yd, 1 per day minimum	Taken before compaction
MIXED STABILIZED SOIL (Sections 24-2.01 and 24-2.03)					
Relative Compaction	California Test 231	Sample for California Test 216	Project site in accordance with California Test 231	1 every 2,000 sq yd and test compaction at every 6 in. of thickness	
Maximum Wet Density	California Test 216	35 lb	Relative compaction test site locations	1 every relative compaction test	Wet common-composite test maximum value may be used in accordance with California Test 231
Dimensions	Measurement	N/A	Random locations in place after compaction	As necessary for verification of stabilized soil thickness and surface grades	

Stabilized Soils (*Standard Specifications* Section 24) (3 of 3)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
CURING SEAL-ASPHALTIC EMULSION (Section 24-1.02C)					
Various properties based on asphaltic emulsion type used	Based on asphaltic emulsion type used; see *Standard Specifications* Section 94	1 liter (or 1 qt) wide-mouth plastic bottle with screw on lids that are sealed with tape	Sampling line leading to the spray bar	1 each shipment	Each shipment must be accompanied by a certificate of compliance; recommend 1 random test from samples taken

Note:

1. Refer to California Test 125 for sampling procedures.

Aggregate Subbases (*Standard Specifications* Section 25)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
AGGREGATE SUBBASE					
Gradation (Sieve Analysis)	California Test 202	50 lb	Windrow or roadway	Every 3,000 tons or 2,000 cu yd (See Note 2)	If uniform material is within specification limits, frequency may be decreased to 1 test per day
Sand Equivalent	California Test 217	50 lb	Windrow or roadway	Every 3,000 tons or 2,000 cu yd (See Note 2)	If uniform material within specification limits, frequency may be decreased to 1 test per day
R-Value	California Test 301	50 lb	Windrow or roadway	Every 3,000 tons or 2,000 cu yd	R-value testing may be reduced to 1 acceptance test per project when test records demonstrate that comparable material from the same source meets minimum R-value requirements
Relative Compaction	California Test 231	Sample for California Test 216	Roadway in accordance with California Test 231	Every 2,000 sq yd	
Maximum Wet Density	California Test 216	35 lb	Relative compaction test site locations	Every 2,000 sq yd	Wet common-composite test maximum value may be used in accordance with California Test 231
Dimensions	N/A	N/A	Random locations	As necessary for acceptance	Verify thickness of aggregate subbase

Notes:

1. Refer to California Test 125 for sampling procedures.
2. If material is outside the specification limits, sample and test representative material every 500 cu yd so that deductions may be taken for noncompliant material.

Aggregate Bases (*Standard Specifications* Section 26)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
AGGREGATE BASES					
Gradation (Sieve Analysis)	California Test 202	50 lb	Windrow or roadway	Every 3,000 tons or 2,000 cu yd (See Note 2)	If uniform material is within specification limits, frequency may be decreased to 1 test per day
Sand Equivalent	California Test 217	50 lb	Windrow or roadway	Every 3,000 tons or 2,000 cu yd (See Note 2)	If uniform material is within specification limits, frequency may be decreased to 1 test per day
Resistance Value (R-Value)	California Test 301	50 lb	Windrow or roadway	Every 3,000 tons or 2,000 cu yd	R-value testing may reduced to 1 acceptance test per project when test records demonstrate that comparable material from the same source meets minimum R-value requirements
Durability Index	California Test 229	50 lb	Windrow or roadway	1 per project	Durability test not required for Class 3 aggregate base
Moisture	California Test 226	25 lb	Materials site or stockpile	2 daily when aggregate base is paid for by weight	
Relative Compaction	California Test 231	Sample for California Test 216	Roadway in accordance with California Test 231	Every 2,000 sq yd	
Maximum Wet Density	California Test 216	35 lb	Relative compaction test site locations	Every 2,000 sq yd	Wet common-composite test maximum value may be used in accordance with California Test 231
Dimensions	N/A	N/A	Random locations	As necessary for acceptance	Verify thickness of aggregate base

Notes:

1. Refer to California Test 125 for sampling procedures.
2. If material is outside the specification limits, sample and test representative material every 500 cu yd so that deductions may be taken for noncompliant material.

Cement Treated Bases (*Standard Specifications* Section 27) (1 of 3)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
CEMENT TREATED BASE Class A or Class B					
AGGREGATE					
Gradation (Sieve Analysis)	California Test 202, California Test 105	40 lb	Plant, truck, windrow, or roadway	1 every 3,000 tons or 2,000 cu yd, minimum 1 per day of production	
Sand Equivalent	California Test 217	40 lb	Plant, truck, windrow, or roadway	1 every 3,000 tons or 2,000 cu yd, minimum 1 per day of production	
AGGREGATE Class B					
R-Value (with and without cement)	California Test 301	100 lb for aggregate qualifica-tion	Windrow or roadway	Before production	
CEMENT Type II Portland Cement					
Various properties must comply with *Standard Specifications* Section 90-1.02B(2)	See *Standard Specifications* Section 90-1.02B(2)	8 lb	Cement treated base plant or cement spreader	1 each 100 tons of cement, 2 per day maximum	Recommend 1 acceptance test per project for cement from approved suppliers and certificate of compliance with each shipment
WATER					
Chlorides	California Test 422	Clean 2-qt plastic jug with lined, sealed lid	1 per source; at point of use		Water supplies for domestic use do not need to be tested

Cement Treated Bases (*Standard Specifications* Section 27) (2 of 3)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
WATER (Cont.)					
Sulfates	California Test 417	Clean 2-qt plastic jug with lined, sealed lid	1 per source; at point of use		Water supplies for domestic use do not need to be tested
COMPLETED MIX Class A					
Compressive Strength	California Test 312	See California Test 312, Part II	Windrow or roadway before compaction	1 per day	If first 3 days of production test records demonstrate materials are in compliance, recommend test every 5 days of production
COMPLETED MIX Class B					
R-Value	California Test 301	50 lb	Windrow or roadway before compaction	1 every 3,000 tons or 2,000 cu yd	Recommend R-value testing be reduced to 1 every 10,000 cu yd when test records demonstrate that material from the same source, and having comparable grading and sand equivalent values, meets the minimum R-value requirements

Cement Treated Bases (*Standard Specifications* Section 27) (3 of 3)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
COMPLETED MIX Class A and Class B					
Cement Content	California Test 338	See California Test 338, Part I	Windrow or roadway before compaction	1 every 1,500 tons or 1,000 cu yd, minimum 1 per day of production	
Optimum Moisture	California Test 312	See California Test 312	Windrow or roadway	Before production	
Moisture Content	California Test 226	10 lb in sealed container	Roadway before compaction	2 daily	
Relative Compaction	California Test 312 or 231	Sample for California Test 216	Roadway in accordance with California Test 231	1 every 2,000 sq yd	
Maximum Wet Density	California Test 216, California Test 312	35 lb	Relative compaction test site locations	1 every 2,000 sq yd	Wet common-composite test maximum value may be used in accordance with California Test 231
Dimensions	N/A	N/A	Random locations	As necessary for acceptance	Verify thickness of cement treated base

Note:

1. Refer to California Test 125 for sampling procedures.

Concrete Bases (*Standard Specifications* Section 28)
Lean Concrete Base

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
LEAN CONCRETE BASES					
Compressive strength (7-days)	ASTM C39	6 cylinders 6x12 in. - 3 tests	Concrete truck discharge chute	1,000 cu yd or 1 day's production if less than 1,000 cu yd	
Compressive strength (3-days)	ASTM C39	6 cylinders 6x12 in. - 3 tests	Concrete truck discharge chute	1,000 cu yd or 1 day's production if less than 1,000 cu yd	Optional test to qualify for a transverse contraction joint waiver
RAPID STRENGTH CONCRETE BASE					
Modulus of rupture (7-days)	California Test 524	3 beams - 6x6x20 inches	Concrete truck discharge chute	1 per 500 cu yd or 1 day's production if less than 500 cu yd	
LEAN CONCRETE BASE RAPID SETTING					
Compressive strength (7-days)	California Test 521	6 cylinders 6x12 in. - 3 tests	Concrete truck discharge chute	1 per 500 cu yd or 1 day's production if less than 500 cu yd	
CONCRETE BASE					
Modulus of rupture (7-days)	California Test 523	2 beams of 6x6x32 in. for centerpoint loading or 6x6x20 in. for third-point loading	Concrete truck discharge chute	1,000 cu yd or 1 day's production if less than 1,000 cu yd	
Dimensions	N/A	N/A	Random locations	As necessary for acceptance	Verify thickness of base

Note:

1. Refer to California Test 125 for sampling procedures.

Treated Permeable Bases (*Standard Specifications* Section 29)
Asphalt Treated Permeable Base (ATPB) (1 of 4)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
AGGREGATE					
Percentage Crushed Particles	California Test 205	Combined two 40-lb canvas bags (See Note 2) or Batch 160 lb (proportioned per bin percentages)	Plant	Before production and minimum 1 random for every 50,000 tons or less of paving	
Los Angeles Rattler (at 500 revolutions)	California Test 211	Combined two 40-lb canvas bags (See Note 2) or Batch 160 lb (proportioned per bin percentages)	Plant	Before production and minimum 1 random for every 50,000 tons or less of paving	
Film Stripping	California Test 302	Combined two 40-lb canvas bags (See Note 2) or Batch 160 lb (proportioned per bin percentages)	Plant	Before production and minimum 1 random for every 50,000 tons or less of paving	
Gradation (Sieve Analysis)	California Test 202	Combined two 20-lb canvas bags (See Note 3) or Batch 40 lb (proportioned per bin percentages)	Plant	1 for every 4 hours of production	

Treated Permeable Bases (*Standard Specifications* Section 29)
Asphalt Treated Permeable Base (ATPB) (2 of 4)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
AGGREGATE (Cont.)					
Cleanness Value	California Test 227	Combined two 20-lb canvas bags (See Note 3) or Batch 40 lb (proportioned per bin percentages)	Plant	1 for every 4 hours of production	Recommend 1 acceptance test per day if 3 consecutive results exceed 62
ASPHALT					
Various properties based on asphalt type used; see *Standard Specifications* Section 92	Based on asphalt type used; see *Standard Specifications* Section 92	1-qt double-seal friction-top metal cylindrical shaped can	Asphalt feed line connecting plant storage tanks	1 per day	Certificate of compliance required for each shipment; if asphalt binder source is not on approved list, sample and test asphalt before use
COMPLETED MIX					
Asphalt Content	California Test 382	40 lb in metal containers	Plant, truck, windrow, or roadbed	1 for every 4 hours of production	
AGGREGATE					
Los Angeles Rattler (loss at 500 revolutions)	California Test 211	50 lb	Plant	Before production and minimum 1 random for every 25,000 cu yd	
Soundness	California Test 214	50 lb	Plant		
Sieve Analysis (Gradation)	California Test 202	40 lb	Plant	1 for every 4 hours of production; (See Note 4)	

Treated Permeable Bases (*Standard Specifications* Section 29)
Asphalt Treated Permeable Base (ATPB) (3 of 4)

Test	Test Method	Sample Size & Container Size	Sampling Location (See Note 1)	Acceptance Test Frequency	Remarks
AGGREGATE (Cont.)					
Cleanness Value	California Test 227				
CEMENT					
Cement, various properties; must comply with *Standard Specifications* Section 90-1.02B(2)	Must comply with *Standard Specifications* Section 90-1.02B(2)	8 lb	Concrete plant	1 for each 100 tons, 2 per day max	Recommend 1 acceptance test per project for cement from approved suppliers with certificate of compliance
WATER					
Chlorides	California Test 422	Clean 2-qt plastic jug with lined, sealed lid At point of use; see Remarks	1 per source		Water supplies for domestic use do not need to be tested
Sulfates	California Test 417	Clean 2-qt plastic jug with lined, sealed lid At point of use; see Remarks	1 per source		Water supplies for domestic use do not need to be tested
Setting Time	ASTM C 191 or ASTM C 266	Contact METS for required quantity of water sample	At point of use	1 per source	Water supplies for domestic use do not need to be tested
Mortar Compressive Strength	ASTM C109	Contact METS for required quantity of water sample	At point of use	1 per source	Water supplies for domestic use do not need to be tested
Coloring Agents	Must comply with *Standard Specifications* Section 90-1.02D	Contact METS for required quantity of water sample	At point of use	1 per source	Water supplies for domestic use do not need to be tested

Treated Permeable Bases (*Standard Specifications* Section 29)
Asphalt Treated Permeable Base (ATPB) (4 of 4)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
WATER					
Alkalis	Must comply with *Standard Specifications* Section 90-1.02D	Contact METS for required quantity of water sample	At point of use	1 per source	Water supplies for domestic use do not need to be tested
Specific Gravity	Must comply with *Standard Specifications* Section 90-1.02D	Contact METS for required quantity of water sample	At point of use	1 per source	Water supplies for domestic use do not need to be tested

Notes:

1. Refer to California Test 125 for sampling procedures.
2. Store one 40-lb canvas bag for dispute resolution.
3. Store one 20-lb. canvas bag for dispute resolution.
4. If test records determine that aggregate gradation or cleanness value is close to specification limit or outside the specification limits, sample and test concrete every 300 cu yd so that deductions may be taken for noncompliant material.

Reclaimed Pavement (*Standard Specifications* Section 30)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
PULVERIZED ROADBED (Section 30-2)					
Thickness	Thickness-Field Measurement	Field Measurement	Random location	3 per lot	
Relative Compaction (% min)	California Test 231	Sample for California Test 216	In accordance with California Test 231	1 every 2,000 sq yd and test compaction at every 6 in. of thickness	
FULL DEPTH RECLAMATION–FOAMED ASPHALT (Section 30-3)					
Relative Compaction (% min)	California Test 231	Sample for California Test 216	In accordance with California Test 231	1 every 2,000 sq yd and test compaction at every 6 in. of thickness	
Thickness	Thickness	California Test 531. 4- or 6-in.-diameter core, full thickness	3 random locations per lot	See Section 4-4004 of this manual	
FULL DEPTH RECLAMATION—Cement (Section 30-4)					
Thickness	Thickness-Core thickness measurement	California Test 531, 4- or 6-in.-diameter core, full thickness	3 random locations per lot	See Section 4-4004 of this manual	
Cement application rate	Calibrated tray or equal	Building paper or pan of known area	Surface receiving cement	Each 40,000 sq ft, 2 per day minimum	To determine if application rate is within ± 5% of mix design rate
Relative Compaction (% min)	California Test 231	Sample for California Test 216	In accordance with California Test 231	1 every 2,000 sq yd and test compaction at every 6 in. of thickness	

Notes:
1. Refer to California Test 125 for sampling procedures.

Bituminous Seals (*Standard Specifications* Section 37) (1 of 9)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
ASPHALTIC EMULSION AND ASPHALTIC EMULSION FOR FLUSH COAT					
Various properties in accordance with Section 37 of *Standard Specifications*	See Section 37-2.02A(4)(b)(ii) of *Standard Specifications*	1 liter (or 1 qt) wide-mouth plastic bottle with screw on lids that are sealed with tape	Transport tanker	Each shipment	Certificate of compliance required with each shipment
Asphaltic emulsion spread rate	CT 339	Per test method	Full width of boot truck	Once per project	
POLYMER MODIFIED ASPHALTIC EMULSION					
Viscosity	AASHTO T 59	1 liter (or 1 qt) wide-mouth plastic bottle with screw on lids that are sealed with tape	Transport tanker	Each shipment	Certificate of compliance required with each shipment
Sieve Test	AASHTO T 59	1 liter (or 1 qt) wide-mouth plastic bottle with screw on lids that are sealed with tape	Transport tanker	Each shipment	Certificate of compliance required with each shipment
Demulsibility	AASHTO T 59	1 liter (or 1 qt) wide-mouth plastic bottle with screw on lids that are sealed with tape	Transport tanker	Each shipment	Certificate of compliance required with each shipment

Bituminous Seals (*Standard Specifications* Section 37) (2 of 9)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
POLYMER MODIFIED ASPHALTIC EMULSION (Cont.)					
Torsional Recovery	California Test 332	1 liter (or 1 qt) wide-mouth plastic bottle with screw on lids that are sealed with tape	Transport tanker	Each shipment	Certificate of compliance required with each shipment
Penetration	AASHTO T 49	1 liter (or 1 qt) wide-mouth plastic bottle with screw on lids that are sealed with tape	Transport tanker	Each shipment	Certificate of compliance required with each shipment
Ring and Ball	AASHTO T 53	1 liter (or 1 qt) wide-mouth plastic bottle with screw on lids that are sealed with tape	Transport tanker	Each shipment	Certificate of compliance required with each shipment

Bituminous Seals (*Standard Specifications* Section 37) (3 of 9)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
ASPHALT MODIFIER FOR ASPHALT RUBBER BINDER					
Viscosity	ASTM D445	1-qt round wide-mouth can with friction top lid or 1-qt rectangular can with screw-on lid	Sample port on tanker truck	1 random per project	
Flash Point	ASTM D92	1-qt round wide-mouth can with friction top lid or 1-qt rectangular can with screw-on lid	Sample port on tanker truck	1 random per project	
Molecular Analysis	ASTM D2007	1-qt round wide-mouth can with friction top lid or 1-qt rectangular can with screw-on lid	Sample port on tanker truck	1 random per project	
CRUMB RUBBER MODIFIER FOR ASPHALT RUBBER BINDER					
Wire in CRM (max %)	CT 385	CRM scrap tire: Two 2.5 lb in gallon zip-lock bags CRM high natural: Two 2.5 lb in gallon zip-lock bags	CRM bulk bag	Minimum 1 random per project	

Bituminous Seals (*Standard Specifications* Section 37) (4 of 9)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
CRUMB RUBBER MODIFIER FOR ASPHALT RUBBER BINDER (Cont.)					
Fabric in CRM (max %)	CT 385	CRM scrap tire: Two 2.5 lb in gallon zip-lock bags CRM high natural: Two 2.5 lb in gallon zip-lock bags	CRM bulk bag	Minimum 1 random per project	
CRM particle length		CRM scrap tire: Two 2.5 lb in gallon zip-lock bags CRM high natural: Two 2.5 lb in gallon zip-lock bags	CRM bulk bag	Minimum 1 random per project	
CRM specific gravity	CT 208				
Natural rubber content in high nature CRM (%)	ASTM D297				
ASPHALT RUBBER BINDER					
Cone Penetration		1-qt double-seal friction-top metal cylindrical shaped can	Asphalt feed line connecting to the HMA plant	Production start-up evaluation and 1 random per 5 samples	Certificate of compliance required with each shipment

Bituminous Seals (*Standard Specifications* Section 37) (5 of 9)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
ASPHALT RUBBER BINDER (Cont.)					
Resilience		1-qt double-seal friction-top metal cylindrical shaped can	Asphalt feed line connecting to the HMA plant	Production start-up evaluation and 1 random per 5 samples	Certificate of compliance required with each shipment
Softening point		1-qt double-seal friction-top metal cylindrical shaped can	Asphalt feed line connecting to the HMA plant	Production start-up evaluation and 1 random per 5 samples	Certificate of compliance required with each shipment
Asphalt Rubber Binder Viscosity	ASTM D7741	1 gal metal cylindrical shaped can with double-seal friction top	Asphalt storage tank	The greater of 1 every 5 lots or once a day	For safety, engineer may witness contractor perform test
Base Asphalt Binder Properties	See *Standard Specifications* Section 92	Five 1-qt double-seal friction-top metal cylindrical shaped can	Asphalt storage tank	The greater of 1 every 5 lots or once a day	Certificate of compliance required for each shipment; if asphalt binder source is not on approved list, test before use
SCREENINGS/AGGREGATE FOR CHIP SEALS					
LA Rattler	California Test 211	50 lb in canvas bags or 5-gal buckets	Stockpile	Once per project	
% Crushed Particles	AASHTO T 335	50 lb in canvas bags or 5-gal buckets	Stockpile	Once per project	

Bituminous Seals (*Standard Specifications* Section 37) (6 of 9)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
SCREENINGS/AGGREGATE FOR CHIP SEALS					
Film Stripping	California Test 302	50 lb in canvas bags or 5-gal buckets	Stockpile	Once per project	
Sieve Analysis	California Test 202	30 lb	Stockpile	Twice daily	
Cleanness Value	California Test 227	30 lb	Stockpile	Once daily	
SAND FOR FLUSH COAT					
Sieve Analysis	California Test 202	25 lb	Stockpile	Once per project	
CRACK TREATMENTS					
Crack Treatment Material					
Softening point	ASTM D36	2 each 3-lb minimum samples in silicone release boxes	From crack treatment material dispensing wand	Once per project	Indicate the specified type of crack treatment material on the TL-0101
Cone penetration	ASTM D5329	2 each 3-lb minimum samples in silicone release boxes	From crack treatment material dispensing wand	Once per project	Indicate the specified type of crack treatment material on the TL-0101
Resilience	ASTM D5329	2 each 3-lb minimum samples in silicone release boxes	From crack treatment material dispensing wand	Once per project	Indicate the specified type of crack treatment material on the TL-0101

Bituminous Seals (*Standard Specifications* Section 37) (7 of 9)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
CRACK TREATMENTS (Cont.)					
Crack Treatment Material					
Tensile adhesion	ASTM D5329	2 each 3-lb minimum samples in silicone release boxes	From crack treatment material dispensing wand	Once per project	Indicate the specified type of material on the TL-0101
Asphalt compatibility	ASTM D5329	2 each 3-lb minimum samples in silicone release boxes	From crack treatment material dispensing wand	Once per project	Indicate the specified type of material on the TL-0101
Flexibility	ASTM D3111	2 each 3-lb minimum samples in silicone release boxes	From crack treatment material dispensing wand	Once per project	Indicate the specified type of material on the TL-0101
Specific gravity	ASTM D70	2 each 3-lb minimum samples in silicone release boxes	From crack treatment material dispensing wand	Once per project	Indicate the specified type of material on the TL-0101
Sieve test	See note in Section 37-6.01D(3) "Department Acceptance" of the *Standard Specifications*	2 each 3-lb minimum samples in silicone release boxes	From crack treatment material dispensing wand	Once per project	Indicate the specified type of material on the TL-0101

Bituminous Seals (*Standard Specifications* Section 37) (8 of 9)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
SAND FOR CRACK TREATMENT					
Sieve Analysis	California Test 202	25 lb	Stockpile	Once per project	
SLURRY SEAL AGGREGATE					
Los Angeles Rattler (loss at 500 revolutions)	California Test 211	50 lb	Stockpile	Once per project	
Percentage of Crushed Particles	California Test 205	50 lb	Stockpile	Once per project	
Film Stripping	California Test 302	50 lb	Stockpile	Once per project	
Durability Index	California Test 229	50 lb	Stockpile	Once per project	
Sieve Analysis	California Test 202, California Test 105	30 lb	Stockpile	Once daily	
Sand Equivalent	California Test 217	30 lb	Stockpile	Once daily	
MICRO-SURFACING AGGREGATES					
Los Angeles Rattler (loss at 500 revolutions)	California Test 211	50 lb	Stockpile	Once per project	
Percentage of Crushed Particles	California Test 205	50 lb	Stockpile	Once per project	
Durability Index	California Test 302	50 lb	Stockpile	Once per project	

Bituminous Seals (*Standard Specifications* Section 37) (9 of 9)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
MICRO-SURFACING AGGREGATES (Cont.)					
Sieve Analysis	California Test 202	30 lb	Stockpile	Once daily	
Sand Equivalent	California Test 217	30 lb	Stockpile	Once daily	

Note:

1. Refer to California Test 125 for sampling procedures.

Asphalt Concrete (*Standard Specifications* Section 39) (1 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
AGGREGATE: All Types of HMA						
Gradation (Sieve Analysis) (See Note 2)	AASHTO T 27, California Test 105, California Test 384	Combined six 20-lb canvas bags (see See Note 3) or Batch 30 lb (proportioned per bin percentages)	HMA plant	For standard process, 1 for each 750 tons, 1 per day minimum For statistical pay factor (SPF) process, per stratified random sampling plan (See Notes 10 and 11)	Production start-up evaluation. For standard process, minimum 1 per day of paving For SPF process, test per stratified random sampling plan (See Note 14)	
Sand Equivalent	AASHTO T 176	Combined six 20-lb canvas bags (See Note 3) or Batch 30 lb (proportioned per bin percentages)	HMA plant or before lime treatment	For standard process, 1 for each 750 tons, 1 per day minimum, For SPF process, same frequency as gradations	Production start-up evaluation. For standard process, minimum 1 per day of paving For SPF process, test with gradation samples	Not required for OGFC (open graded friction course)

Asphalt Concrete (*Standard Specifications* Section 39) (2 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
AGGREGATE: All Types of HMA						
Percent Crushed Particles (Coarse)	AASHTO T 335	Combined six 20-lb canvas bags (See Note 3) or Batch 30 lb (proportioned per bin percentages)	HMA plant or before lime treatment	1 for each 750 tons, 1 per day minimum For the SPF process, see Note 17	Production start-up evaluation, and minimum 1 random for every 25,000 tons or less of paving For the SPF process, see Note 17	
Percent Crushed Particles (Fine)	AASHTO T 335	Combined six 20-lb canvas bags (See Note 3) or Batch 30 lb (proportioned per bin percentages)	HMA plant or before lime treatment	1 for each 750 tons, 1 per day minimum For the SPF process, see Note 17	Production start-up evaluation, and minimum 1 random for every 25,000 tons or less of paving For the SPF process, see Note 17	
LA Rattler (500 Revolutions)	AASHTO T 96	Combined six 20-lb canvas bags (See Note 3) or Batch 30 lb (proportioned per bin percentages)	HMA plant or before lime treatment	1 for each 750 tons, 1 per day minimum For the SPF process, see Note 17	Production start-up evaluation, and minimum 1 random for every 50,000 tons or less of paving For the SPF process, see Note 17	

Asphalt Concrete (*Standard Specifications* Section 39) (3 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
AGGREGATE: All Types of HMA (Cont.)						
LA Rattler (100 Revolutions)	AASHTO T 96	Combined six 20-lb canvas bags (See Note 3) or Batch 30 lb (proportioned per bin percentages)	HMA plant or before lime treatment	1 for each 750 tons, 1 per day minimum For the SPF process, see Note 17	Production start-up evaluation, and minimum 1 random for every 50,000 tons or less of paving For the SPF process, see Note 17	
Fine Aggregate Angularity	AASHTO T 304, Method A	Combined six 20-lb canvas bags (See Note 3) or Batch 30 lb (proportioned per bin percentages)	HMA plant or before lime treatment	1 for each 750 tons, 1 per day minimum For the SPF process, see Note 17	Production start-up evaluation, and minimum 1 random for every 50,000 tons or less of paving For the SPF process, see Note 17	Not required for OGFC or Minor HMA
Flat and Elongated Particles	ASTM D4791	Combined six 20-lb canvas bags (See Note 3) or Batch 30 lb (proportioned per bin percentages)	HMA plant or before lime treatment	1 for each 750 tons, 1 per day minimum For the SPF process, see Note 17	Production start-up evaluation, and minimum 1 random for every 50,000 tons or less of paving For the SPF process, see Note 17	Not required for Minor HMA

Asphalt Concrete (*Standard Specifications* Section 39) (4 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
ASPHALT BINDER						
Various properties based on asphalt type used (see *Standard Specifications* Section 92)	See *Standard Specifications* Section 92	1-qt double-seal friction-top metal cylindrical shaped can	Asphalt feed line connecting the plant storage tanks	1 per day of HMA production	1 random for every 5 samples	Certificate of compliance required for each shipment; if asphalt binder source is not on approved list, sample and test asphalt before use
ASPHALT RUBBER BINDER						
Asphalt Rubber Binder Properties	See *Standard Specifications* Section 39-2.03A(4)(e)(ii)	1-qt double-seal friction-top metal cylindrical shaped can	Asphalt rubber feed line from the HMA plant	1 every lot	Production start-up evaluation and 1 random per 5 samples	Certificate of compliance required for each lot
Asphalt Rubber Binder Viscosity	ASTM D7741	1 gal double-seal friction-top metal cylindrical shaped can	Asphalt rubber feed line connecting to the HMA plant	1 every lot	1 every lot	For safety, engineer may witness contractor perform test

Asphalt Concrete (*Standard Specifications* Section 39) (5 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
ASPHALT RUBBER BINDER (Cont.)						
Base Asphalt Binder Properties	See *Standard Specifications* Section 92	1-qt double-seal friction-top metal cylindrical shaped can	Asphalt storage tank	Each shipment	Production start-up evaluation and 1 random per 5 samples	Certificate of compliance required for each shipment; if asphalt binder source is not on approved list, sample and test asphalt before use
Asphalt Modifier Properties	ASTM D445 ASTM D92 ASTM D2007	1-qt double-seal friction-top metal cylindrical shaped can or 1-qt rectangular can with screw-on lid	Sample port on tanker truck	Each shipment	1 random per project	
Crumb Rubber Modifier (CRM) Properties	California Test 208, California Test 385, ASTM D297	CRM scrap tire: Two 2.5 lb in gallon zip-lock bags; CRM high natural: Two 2.5 lb in gallon zip-lock bags	CRM bulk bag	Each shipment	1 random per project	

Asphalt Concrete (*Standard Specifications* Section 39) (6 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
HOT MIX ASPHALT: Type A						
Moisture Content	AASHTO T 329	10 lb, sealed metal container	Loose mix from behind the paver (See Note 4)	Production start-up evaluation, and minimum 1 per project	Production start-up evaluation, and minimum 1 per project during paving	Test within 1 hour of sampling
Asphalt Binder Content	AASHTO T 308, Method A	60 lb (See Notes 5 and 18) (8x8x4=6 boxes, 8½x8½x4½=4 boxes) (See Notes 5 and 18)	Loose mix from behind the paver (See Note 4)	For standard process, 1 for each 750 tons, 1 per day minimum. For SPF process, per stratified random sampling plan (See Notes 10 and 11)	Production start-up evaluation; For standard process, minimum 1 per day of paving For SPF process, per stratified random sampling plan (See Note 14)	
Maximum Theoretical Density	AASHTO T 209	60 lb (See Notes 5 and 18) (8x8x4=6 boxes, 8½x8½x4½=4 boxes) (See Notes 5 and 18)	Loose mix from behind the paver (See Note 4)	For standard process, 1 for each 750 tons, 1 per day minimum For SPF process, two samples per shift with verification density cores (See Notes 10 and 13)	Production start-up evaluation. For standard process, 1 random test per day of paving For SPF process, per stratified random sampling plan	

Asphalt Concrete (*Standard Specifications* Section 39) (7 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (See Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
HOT MIX ASPHALT: Type A (Cont.)						
Air Void Content	AASHTO T 269	100 lb (See Note 5) (8x8x4=10 boxes, 8½x8½x4½=8 boxes)	Loose mix from behind the paver (See Note 4)	Production start-up evaluation, 1 every 25,000 tons of paving. For HMA placed using SPF, see Notes 10 and 11	Production start-up evaluation, and minimum 1 random for every 25,000 tons of paving, except for HMA placed using SPF, see Note 14	
Voids in Mineral Aggregate	SP-2 Asphalt Mixture Volumetrics	100 lb (See Note 5) (8x8x4=10 boxes, 8½x8½x4½=8 boxes)	Loose mix from behind the paver (See Note 4)	Production start-up evaluation, 1 every 25,000 tons of paving	Production start-up evaluation, and minimum 1 random for every 25,000 tons of paving	
Dust Proportion	SP-2 Asphalt Mixture Volumetrics	100 lb (See Note 5) (8x8x4=10 boxes, 8½x8½x4½=8 boxes)	Loose mix from behind the paver (See Note 4)	Production start-up evaluation, 1 every 25,000 tons of paving	Production start-up evaluation, and minimum 1 random for every 25,000 tons of paving	

Asphalt Concrete (*Standard Specifications* Section 39) (8 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
HOT MIX ASPHALT: Type A (Cont.)						
Hamburg Wheel Track	California Test 389	70 lb (See Notes 5 and 18) (8x8x4=7 boxes, 8½x8½x4½=6 boxes)	Loose mix at plant, truck, or windrow	Production start-up evaluation, 1 every 10,000 tons of paving For SPF process, see Note 16	Production start-up evaluation, and minimum 1 random for every 10,000 tons or less of paving For SPF process, see Note 16	Not required for Minor HMA
Moisture Susceptibility	AASHTO T 283	140 lb (See Notes 5, 6 and 18) (8x8x4=15 boxes, 8½x8½x4½=12 boxes)	Loose mix at plant, truck, or windrow	Production start-up evaluation, 1 every 50,000 tons of paving	Production start-up evaluation, and minimum 1 random test for every 50,000 tons of paving	Test for dry strength and wet strength; not required for Minor HMA
HOT MIX ASPHALT: With RAP/RAS						
Binder Recovery	AASHTO T 164 ASTM D1856	10 lb (8x8x4=1 box, 8½x8½x4½=1 box) (See Note 18)	Loose mix from behind the paver (See Note 4)	Production start-up evaluation, 1 every 25,000 tons of paving	1 random for every 25,000 tons or less of paving	

Asphalt Concrete (*Standard Specifications* Section 39) (9 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
RUBBERIZED HOT MIX ASPHALT: Gap Graded						
Moisture Content	AASHTO T 329	10 lb, sealed metal container	Loose mix from behind the paver (See Note 4)	Production start-up evaluation, and minimum 1 per project	Production start-up evaluation, and minimum 1 per project during paving	Test within 1 hour of sampling
Asphalt Binder Content	AASHTO T 308, Method A	60 lb (See Notes 5 and 18) (8x8x4=6 boxes, 8½x8½x4½=4 boxes)	Loose mix from behind the paver (See Note 4)	1 for each 750 tons, 1 per day minimum. For HMA placed using SPF, see Notes 10 and 11	Production start-up evaluation; 1 random test per day of paving. For HMA placed using SPF, see Note 10	
Maximum Theoretical Density	AASHTO T 209	60 lb (See Notes 5 and 18) (8x8x4=6 boxes, 8½x8½x4½=4 boxes)	Loose mix from behind the paver (See Note 4)	1 for each 750 tons, 1 per day minimum. For HMA placed using SPF, see Notes 11 and 13	Production start-up evaluation; minimum 1 per day of paving, except for HMA placed using SPF, see Notes 10 and 13	

Asphalt Concrete (*Standard Specifications* Section 39) (10 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
RUBBERIZED HOT MIX ASPHALT: Gap Graded (Cont.)						
Air Void Content	AASHTO T 269	100 lb (See Notes 5 and 18) (8x8x4= 10 boxes, 8½x8½x4½=8 boxes)	Loose mix from behind the paver (See Note 4)	Production start-up evaluation, 1 every 25,000 tons of paving. For HMA placed using SPF, see notes 10 and 11	Production start-up evaluation, and minimum 1 random test for every 25,000 tons of paving For SPF process, test per stratified random sampling plan. See note 14	
Voids in Mineral Aggregate	SP-2 Asphalt Mixture Volumetrics	100 lb (See Notes 5 and 18) (8x8x4= 10 boxes, 8½x8½x4½=8 boxes)	Loose mix from behind the paver (See Note 4)	Production start-up evaluation, 1 every 25,000 tons of paving	Production start-up evaluation, and minimum 1 random test for every 25,000 tons of paving	
Dust Proportion	SP-2 Asphalt Mixture Volumetrics	100 lb (See Notes 5 and 18) (boxes, 8x8x4=10 boxes, 8½x8½x4½=8 boxes)	Loose mix from behind the paver (See Note 4)	Production start-up evaluation, 1 every 25,000 tons of paving	Production start-up evaluation, and minimum 1 random test for every 25,000 tons of paving	

Asphalt Concrete (*Standard Specifications* Section 39) (11 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
RUBBERIZED HOT MIX ASPHALT: Gap Graded (Cont.)						
Hamburg Wheel Track	California Test 389	75 lb (See Notes 5 and 18) (8x8x4=7 boxes, 8½x8½x4½=6 boxes)	Loose mix at plant, truck, or windrow	Production start-up evaluation 1 every 10,000 tons of paving For SPF process, see Note 16	Production start-up evaluation, and minimum 1 random test for every 10,000 tons or less of paving For SPF process, see Note 16	
Moisture Susceptibility	AASHTO T 283	75 lb (See Notes 5, 6 and 18) (8x8x4= 15 boxes, 8½x8½x4½=12 boxes)	Loose mix at plant, truck, or windrow	Production start-up evaluation, 1 every 50,000 tons of paving	Production start-up evaluation, and minimum 1 random test for every 50,000 tons of paving	Test for dry strength and wet strength
OPEN GRADED FRICTION COURSE (OGFC)						
Asphalt Binder Content	AASHTO T 308, Method A	20 lb (See Note 5) 4, 1-gal metal containers with friction lids	Loose mix from behind the paver (See Note 4)	1 for each 750 tons, 1 per day minimum	Production start-up evaluation; minimum 1 per day of paving	

Asphalt Concrete (*Standard Specifications* Section 39) (12 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
OPEN GRADED FRICTION COURSE (OGFC) (Cont.)						
Moisture Content	AASHTO T 329	10 lb, sealed metal container	Loose mix from behind the paver (See Note 4)	Production start-up evaluation, and minimum 1 per project	Production start-up evaluation, and minimum 1 per project during paving	Test within 1 hour of sampling
BONDED WEARING COURSE: Gap Graded (BWC-G) (See Note 7)						
Asphalt Binder Content	AASHTO T 308, Method A	20 lb (See Note 5) 4, 1-gal metal containers with friction lids	Loose mix at plant	1 for each 750 tons, 1 per day minimum	Production start-up evaluation. Minimum 1 per day of paving	
Moisture Content	AASHTO T 329	10 lb sealed metal container	Loose mix at plant	Production start-up evaluation, and minimum 1 per project	Production start-up evaluation, and minimum 1 per project during paving	Samples should be tested within 1 hour of sampling
PAVEMENT DENSITY						
Density of cores (% of maximum theoretical density) (See Note 8)	California Test 375	4- or 6–in cores	Final layer, cored to the specified total paved thickness	For the standard process, 1 for each 250 tons For the SPF process, see Note 12	For the standard process, 1 for each 250 tons For SPF process, test per stratified random sampling plan. See Note 14	Density applies to HMA thickness of 0.15 ft or greater

Asphalt Concrete (*Standard Specifications* Section 39) (13 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (See Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
PAVEMENT SMOOTHNESS						
Straightedge	N/A	N/A	Pavement surface (See Note 9)	Entire final surface	Entire final surface	Areas exempt from Inertial Profiler
Inertial Profiler for Mean Roughness Index and Areas of Localized Roughness	California Test 387 AASHTO R 56 & AASHTO R 57	Each 0.1 mile	Pavement surface	Entire final surface	Entire final surface	Entire final surface excluding areas requiring straightedge; use contractor-furnished profiles for IRI values within 10% of Caltrans' IRI values
TACK COAT						
Asphalt Binder	Based on asphalt type used (see *Standard Specifi-cations* Section 92)	1-qt double-seal friction-top metal cylindrical shaped can	Spray bar on asphalt distributor truck	Each truckload	1 random per project	

Asphalt Concrete (*Standard Specifications* Section 39) (14 of 14)

Test	Test Method	Sample Size & Container Type	Sampling Location (See Note 1)	Sampling Frequency	Acceptance Test Frequency	Remarks
TACK COAT (Cont.)						
Spread Rate	California Test 339	N/A	Pavement	N/A	As necessary for verification of tack coat spread rate	Verify tack coat spray rate is sufficient to meet the minimum specified residual rate. (See example in Section 4-9403, "During the Course of Work," in this manual)
Asphaltic Emulsion	Based on emulsion type used (see *Standard Specifi-cations* Section 94)	1 liter (or 1 qt) wide-mouth plastic bottle with screw on lids that are sealed with tape	Spray bar on emulsion distributor truck	Each truckload	1 random per project	

Notes:

1. Refer to California Test 125 for sampling procedures.
2. When using RAP, RAS, or RAP/RAS, adjust gradation by the correction factor determined under California Test 384.
3. Store three 20-lb canvas bags for dispute resolution.
4. Sampling HMA behind the paver is the preferred location. You may also take samples from the windrow, production plant, or truck.
5. Sample sizes are based on split samples—one sample for acceptance testing, and one for dispute resolution. Store one-half of the boxes or cans for dispute resolution.

6. Contractor ships directly to district material laboratory.
7. For bonded wearing course using RHMA-G, RHMA-O, or HMA-O, sampling and testing must comply with requirements for RHMA-G, RHMA-O, or HMA-O.
8. Determine percent of maximum theoretical density under California Test 375, except use AASHTO T 275 to determine in-place density of each core and AASHTO T 209, Method A to determine maximum theoretical density instead of calculating maximum density.
9. May use Inertial Profiler data and ProVAL Rolling Straightedge module to assist in determining where to check with 12-foot straightedge.
10. For the statistical pay factor (SPF) process, and for each lot, prepare a stratified random sampling plan for the following pay factor quality characteristic: aggregate gradations, binder content, air voids, and percent of maximum theoretical density. Sample at milestones identified in the stratified random sampling plan. Do not share the verification sampling time or location with the contractor until immediately before sampling. Do not share the stratified random sampling plan with the contractor until completion of the lot. For guidance on developing the engineer's stratified random sampling plans, refer to section 4-3902K, "Stratified Random Sampling Plan" of this manual.
11. Obtain enough material to split each sample into four parts. Perform verification testing on one part, provide one part to the contractor, hold one part for dispute resolution testing, and reserve the fourth part for additional verification testing in the event the lot runs short and you do not have at least the 3 tests needed for verification.
12. To determine in-place density, obtain verification density cores from the contractor's sublot identified in the engineer's stratified random sampling plan. Break the identified sublot into three equal parts, and randomly determine the coring location of each part. At each location, core three samples aligned longitudinally within 1 to 2 feet of the center core. Retain the center core for verification testing, and randomly determine which of the two remaining cores will be provided to the contractor and which will be retained by the engineer.
13. To determine the paving shift's maximum theoretical density value used for verification of percent in-place density, obtain two samples of HMA from each paving shift the verification density cores are obtained from. Determine the shift's maximum theoretical density value used for the verification by averaging the test results of the two samples. The two samples must be obtained randomly from the first and last half of the paving shift, or from a split of a single sample pulled within the sublot the density cores are obtained from.
14. Do not share the test results of pay factor quality characteristics with the contractor until completion of the lot.
15. For HMA placed using SPF, during production, sample non-pay factor items at the frequency determined by the engineer. Notify the contractor of your intent to sample, and obtain enough material to split into four parts. Test one part, provide one part to the contractor, and retain one part for independent third party testing. When sampling for non-pay factors, except sand equivalent testing, pull two samples from two consecutive sublots. If the first sample fails, immediately test the second sample. Refer to Section 4-3904A(5), "Monitoring Non-Pay Factor Quality Characteristics using Statistical Pay Factor Specifications" of this manual for guidance related to non-pay factor testing.
16. For HMA placed using SPF, when sampling for Hamburg Wheel Track, pull one additional sample for testing from the contractor's next sublot. Test this second sample if the first sample fails.
17. For HMA placed using SPF, sample at same frequency as aggregate gradations, except pull two samples and test the second sample if the first sample fails.
18. Box quantities indicated represent recommended amounts for each individual test. Use CT 125 Appendix B Table 1 for more comprehensive quantities or suites of tests.

Concrete Pavement (*Standard Specifications* Section 40) (1 of 2)
See Table 6-1.17 for concrete materials

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
CONCRETE					
Modulus of Rupture (Open to Traffic)	California Test 523 (Field Curing)	3 beams of 6x6x20 in. for third-point loading	Concrete truck discharge chute	1 set for the last pavement section placed before opening to traffic	Not used for acceptance, only to verify that pavement can be opened to traffic
Modulus of Rupture (28-days)	California Test 523	3 beams of 6x6x20 in. for third-point loading	Concrete truck discharge chute	1 set per age for each 1,000 cu yd, 1 per day minimum (See Note 2)	Recommend frequency of every 2,000 cu yd if after 10 sets all tests are in compliance
Air Content	California Test 504	See test method	Concrete truck discharge chute	1 every day of production	Only test when air entrainment is specified
PAVEMENT					
Thickness	California Test 531	4-in. diameter core, full thickness of pavement	See Section 4-4004, "Level of Inspection," of this manual	1 every 1,200 sq yd	
Dowel Bar Alignment and Concrete Consolidation	Measurement and Inspection	4-in. diameter core size	Transverse pavement joints	1 test every 700 sq yd	Each test consists of 2 cores, one on each end of dowel bar
Tie Bar Alignment and Concrete Consolidation	Measurement and Inspection	4-in. diameter core size	Longitudinal pavement joints	1 test every 4,000 sq yd	Each test consists of 2 cores, one on each end of tie bar
Coefficient of Friction	California Test 342	N/A	Pavement surface	1 test for each day of paving	Each test consists of 5 measurements
Smoothness - Straightedge	Measurement with 12-ft straightedge	N/A	Pavement surface	Entire final surface requiring straightedge	

Concrete Pavement (*Standard Specifications* Section 40) (2 of 2)
See Table 6-1.17 for concrete materials

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
PAVEMENT (Cont.)					
Smoothness - Inertial Profiler for Mean Roughness Index and Areas of Localized Roughness	AASHTO R 56, AASHTO R 57, and California Test 387	0.1 mile	Pavement surface	Entire final surface	Entire final surface excluding specified areas

Notes:

1. Refer to California Test 125 for sampling procedures.
2. If concrete modulus of rupture is close to specification limit or outside the specification limits, sample and test concrete every 1,000 cu yd so that deductions may be taken for noncompliant material.

Existing Concrete Pavement (*Standard Specifications* Section 41)

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
INDIVIDUAL SLAB REPLACEMENT WITH RAPID STRENGTH CONCRETE (Section 41-9)					
Coefficient of Friction	California Test 342	N/A	Pavement surface	1 every 1,200 sq yd	Each test consists of 5 measurements
Smoothness - Straightedge	Measurement with 12-ft straightedge	N/A	Pavement surface	Entire final surface	Areas exempt from Inertial Profiler
Modulus of rupture (3-days)	California Test 524	3 beams of 6x6x20 inches	Concrete truck discharge chute	1 per shift	

Notes:

1. Refer to California Test 125 for sampling procedures.

Concrete Structures (*Standard Specifications* Section 51)
See Table 6-1.17 for concrete materials

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
JOINT SEALS TYPE B (Section 51-2.02C)					
Various properties; must comply with *Standard Specifications* Section 51-2.02C(2)	See *Standard Specifications* Section 51-2.02C(2)	1 piece, 3 ft	Job site	Each lot	Certificate of compliance and certified test report required for each lot; test report must include the seal movement rating, manufacturer minimum uncompressed width and test results; submit samples at least 30 days before use
JOINT SEALS Type A and Type AL (Section 51-2.02B)					
	Use Authorized Material List at: https://dot.ca.gov/programs/engineering-services/product-evaluation-program	1 qt of each component and primer	Job site	1 sample from each component of each batch	Certificate of compliance required for each batch of sealant; submit samples at least 30 days before use

Notes:

1. Refer to California Test 125 for sampling procedures.

Concrete (*Standard Specifications* Section 90) (1 of 9)
Concrete, Except Minor Concrete and Rapid Strength Concrete

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
AGGREGATE: Coarse Aggregate					
Los Angeles Rattler (loss at 500 revolutions)	California Test 211	See Note 2	Stockpile	Before production and minimum 1 random test for every 25,000 cu yd	1 for every 4,000 cu yd, if initial test shows abrasion loss greater than 40%
Cleanness Value	California Test 227	25 lb	Stockpile	Before production and minimum 1 for every 600 cu yd, 1 per day minimum	Recommend 1 acceptance test per day if 3 consecutive results exceed 80; increase sampling to 1 for every 300 cu yd (deductive lot) with engineer's authorization
Sieve Analysis	California Test 202	50 lb	Belt Feed	Before production and minimum 1 for every 600 cu yd, 1 per day minimum	Recommend 1 acceptance test per day if 3 consecutive results are within operating range; increase sampling to 1 for every 300 cu yd (deductive lot) with engineer's authorization
AGGREGATE: Fine Aggregate					
Organic Impurities	California Test 213	See Note 2	Stockpile	Before production or when contamination is suspected	
Durability	California Test 229	See Note 2	Stockpile	Before production	
Sand Equivalent	California Test 217	25 lb	Stockpile	Before production and minimum 1 for every 600 cu yd, 1 per day minimum	Recommend 1 acceptance test per day if 3 consecutive results exceed 80; increase sampling to 1 for every 300 cu yd (deductive lot) with engineer's authorization

Concrete (*Standard Specifications* Section 90) (2 of 9)
Concrete, Except Minor Concrete and Rapid Strength Concrete

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
AGGREGATE: Fine Aggregate					
Sieve Analysis	California Test 202	50 lb	Belt feed	Before production and minimum 1 for every 600 cu yd, 1 per day minimum	Recommend 1 acceptance test per day if 3 consecutive results are within operating range; increase sampling to 1 for every 300 cu yd (deductive lot) with engineer's authorization
AGGREGATE: Coarse & Fine Aggregate					
Specific Gravity and Absorption	California Test 206, California Test 207	See Note 2	Stockpile	Before production and when aggregate source changes	
Soundness	California Test 214	See Note 2	Stockpile	Before production	Soundness for fine aggregate waived if durability is ≥ 60
Sieve Analysis (combined gradation determined with fine and coarse aggregate sieve analyses)	California Test 202		N/A	Before production and minimum 1 for every 600 cu yd, 1 per day minimum	Recommend 1 acceptance test per day if 3 consecutive results are within operating range. Increase sampling to 1 for every 300 cu yd (deductive lot) with engineer's authorization

Concrete (*Standard Specifications* Section 90) (3 of 9)
Concrete, Except Minor Concrete and Rapid Strength Concrete

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
CEMENTITIOUS MATERIALS					
Cement, various properties; must comply with *Standard Specifications* Section 90-1.02B(2)	See *Standard Specifications* Section 90-1.02B(2)	8 lb	Concrete plant	Sample each 100 tons of cement, 2 per day maximum	Cement must be on Authorized Material List; cement accepted based on certificate of compliance with each shipment; recommend 1 verification test per 5 samples
Supplementary Cementitious Materials (SCM), various properties; must comply with *Standard Specifications* Section 90-1.02B(3)	See *Standard Specifications* Section 90-1.02B(3)	8 lb	Concrete plant	Sample each 100 tons of SCM, 2 per day maximum	SCM must be on Authorized Materials List; SCM accepted based on certificate of compliance with each shipment; recommend 1 verification test per 5 samples
WATER					
Chlorides	California Test 422	Clean 2-qt plastic jug with lined, sealed lid	At point of use	1 per source	Water supplies for domestic use do not need to be tested
Sulfates	California Test 417	Clean 2-qt plastic jug with lined, sealed lid	At point of use	1 per source	Water supplies for domestic use do not need to be tested
Setting Time	ASTM C 191 or ASTM C 266	Contact METS for required quantity of water sample	At point of use	1 per source	Water supplies for domestic use do not need to be tested

Concrete (Standard Specifications Section 90) (4 of 9)
Concrete, Except Minor Concrete and Rapid Strength Concrete

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
WATER (Cont.)					
Mortar Compressive Strength	ASTM C109	Contact METS for required quantity of water sample	At point of use	1 per source	Water supplies for domestic use do not need to be tested
Coloring Agents	Must comply with *Standard Specifi-cations* Section 90-1.02D	Contact METS for required quantity of water sample	At point of use	1 per source	Water supplies for domestic use do not need to be tested
Alkalis	Must comply with *Standard Specifi-cations* Section 90-1.02D	Contact METS for required quantity of water sample	At point of use	1 per source	Water supplies for domestic use do not need to be tested
Specific Gravity	Must comply with *Standard Specifi-cations* Section 90-1.02D	Contact METS for required quantity of water sample	At point of use	1 per source	Water supplies for domestic use do not need to be tested
ADMIXTURES: Air Entraining Agent					
Air entraining properties Must comply with *Standard Specifications* Section 90-1.02E	See *Standard Specifi-cations* Section 90-1.02E	1-qt can or plastic bottle of liquid, 2 lb of powder	Concrete plant	Sample each shipment	Must be on Authorized Materials List and certificate of compliance must accompany each shipment; recommend 1 verification test per 5 samples

Concrete (*Standard Specifications* Section 90) (5 of 9)
Concrete, Except Minor Concrete and Rapid Strength Concrete

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
CHEMICAL ADMIXTURE: Water Reducers or Set Retarders					
Claimed properties, chloride identification	ASTM C494 Type A, B, D, F or Type G California Test 415	1-qt can of liquid, 2 lb of powder	Concrete plant	Sample each shipment	Must be on Authorized Materials List and certificate of compliance must accompany each shipment; recommend 1 verification test per 5 samples
CONCRETE for Pavement and Structures					
Shrinkage	AASHTO T 160 Modified See *Standard Specifications* Section 90-1.01D(3)	Set of three: 4x4x11¼ in.	During mix design process	Before production	Engineer may use contractor-provided test result for acceptance; test results must be within 3 years of contract authorization date
CONCRETE Designated Compressive Strength 3600 psi or Greater					
Yield	California Test 518	See test method	Concrete truck discharge chute; (See Note 3)	As necessary to assure accuracy of mix design; minimum 2 per each mix design	No deductions for cement content will be made based on the results of California Test 518
Concrete Uniformity	ASTM C143, California Test 533	See test method	Concrete truck discharge chute (See Note 3)	When compressive test specimen is fabricated and when consistency or uniformity is questionable, minimum 2 per day	

Concrete (*Standard Specifications* Section 90) (6 of 9)
Concrete, Except Minor Concrete and Rapid Strength Concrete

Test	Test Method	Sample Size & Container Size	Sampling Location See Note 1)	Acceptance Test Frequency	Remarks
CONCRETE Designated Compressive Strength 3600 psi or Greater (Cont.)					
Concrete Uniformity	California Test 529	100 lb	Concrete truck discharge chute (See Note 3)	When uniformity is questionable	
Compressive Strength	ASTM C172, California Test 540	1 set of 2 cylinders 6x12 in. or 1 set of 3 cylinders 4x8 in. for each test	Concrete truck discharge chute (See Note 3)	1 set per age for every 300 cu yd concrete or as required for acceptance, minimum 1 set per project	For trial batches, see *Standard Specifications* or job special provisions and Section 6-3, "Field Tests," of this manual
Air Content	California Test 504	See test method	Concrete truck discharge chute (See Note 3)	1 every 4 hours of production and when test specimens are fabricated	Where air is specified for freeze-thaw resistance, a minimum of 1 every 30 cu yd
CONCRETE WITH COMPRESSIVE STRENGTH LESS THAN 3,600 psi					
Concrete Uniformity	ASTM C143, California Test 533	See test method	Concrete truck discharge chute (See Note 3)	When compressive test specimen is fabricated and when uniformity is questionable	

Concrete (*Standard Specifications* Section 90) (7 of 9)
Concrete, Except Minor Concrete and Rapid Strength Concrete

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
CONCRETE WITH COMPRESSIVE STRENGTH LESS THAN 3,600 psi					
Concrete Uniformity	California Test 529	100 lb	Concrete truck discharge chute (See Note 3)	When uniformity is questionable	
Compressive Strength	California Test 540, California Test 521	1 set of 2 cylinders, 6x12 in. or 1 set of 3 cylinders 4x8 in. for each test	Concrete truck discharge chute (See Note 3)	1 set per age for every 300 cu yd, minimum 1 set per project	
Air Content	California Test 504	See test method	Concrete truck discharge chute (See Note 3)	When compressive test specimens are fabricated	Where air is specified for freeze-thaw resistance, a minimum of 1 every 100 cu yd
CURING COMPOUND					
Curing Compound; must comply with *Standard Specifications* Section 90-1.03B(3)	ASTM C309	1-qt can	At time of use (See Note 1)	1 every shipment	Each shipment must have certificate of compliance that includes: 1. Test results for tests specified in Section 90-1.01D(6) of *Standard Specifications* 2. Certification that material was tested within 12 months before use

Concrete (*Standard Specifications* Section 90) (8 of 9)
Concrete, Except Minor Concrete and Rapid Strength Concrete

Test	Test Method	Sample Size & Container Size	Sampling Location (Note 1)	Acceptance Test Frequency	Remarks
CEMENTITIOUS MATERIALS					
Cement, various properties; must comply with *Standard Specifications* Section 90-1.02B(2)	See *Standard Specifications* Section 90-1.02B(2)	8 lb	Concrete plant	Sample and test if cement quality is questionable	Cement source must be shown on Authorized Materials List; certificate of compliance must accompany each cement shipment
Supplementary cementitious materials (SCM), various properties; must comply with *Standard Specifications* Section 90-1.02B(3)	See *Standard Specifications* Section 90-1.02B(3)	8 lb	Concrete plant	Sample and test if SCM quality is questionable	SCM source must be shown on Authorized Materials List; certificate of compliance must accompany each SCM shipment
ADMIXTURES: Air Entraining Agent					
Air entraining properties; must comply with *Standard Specifications* Section 90-1.02E	See *Standard Specifications* Section 90-1.02E	N/A	N/A		Must be on Authorized Materials List and certificate of compliance must accompany each shipment
CHEMICAL ADMIXTURES: Water Reducers or Set Retarders					
Claimed properties, chloride identification	ASTM C494 Type A, B, D, F or Type G California Test 415	N/A	N/A		Must be on Authorized Materials List and certificate of compliance must accompany each shipment

Concrete (*Standard Specifications* Section 90) (9 of 9)
Minor Concrete

Test	Test Method	Sample Size & Container Size	Sampling Location	Acceptance Test Frequency	Remarks
CONCRETE					
Yield	California Test 518	See test method	Concrete truck discharge chute (See Note 3)	As necessary to assure accuracy of mix design; minimum 1 per each mix design	No deductions for cement content will be made based on the results of California Test 518
Com-pressive Strength	California Test 540, California Test 521	1 set of 2 cylinders 6x12 in. or 1 set of 3 cylinders 4x8 in. for each test	Concrete truck discharge chute (See Note 3)	Sample and test if concrete quality is questionable; minimum 1 per mix design	Minor concrete must have the strength described or 2,500 psi, whichever is greater; see *Standard Specifications* Section 90-1.02A
Air Content	California Test 504	See test method	Concrete truck discharge chute (See Note 3)	Where air is specified for freeze-thaw resistance, a minimum of 1 every 100 cu yd	
CURING COMPOUND					
Curing Compound; must comply with *Standard Specifi-cations* Section 90-1.03B(3)	ASTM C309	1-qt can	At time of use; (See Note 1)	1 every shipment	Each shipment must have certificate of compliance that includes: 1. Results for tests specified in Section 90-1.01D(6) of *Standard Specifications* 2. Certification that material was tested within 12 months before use

Notes:

1. Refer to California Test 125 for sampling procedures.
2. For initial testing, provide 100 lb of 1-1/2 in. x 3/4 in., 75 lb of 3/4 in. x No. 4, 75 lb of pea gravel, and 50 lb of sand. Use this material for California Test 202, 206, 207, 211, 213, 214, 217, 227 and 229.
3. Refer to California Test 539 for method of sampling fresh concrete.

Miscellaneous Materials (1 of 5)

Test	Test Method	Sample Size & Container Size	Sampling Location	Acceptance Test Frequency	Remarks
BARBED WIRE AND WIRE MESH FENCES (Section 80-2)					
Barbed Wire, various properties; must comply with *Standard Specifications* Section 80-2.02D	ASTM A121	1 yd length	Job site	As necessary for verification if quality is questionable	
BOLTS AND HARDWARE (Section 75)					
		2 samples each diameter		Each lot	Sample and test if not previously inspected at the source
CHAIN LINK FENCES (Section 80-3)					
Wire Mesh, various properties; must comply with *Standard Specifications* Section 80	ASTM A116, Class 1	2 ft width	Job site	Each lot for verification if quality is questionable	Certificate of compliance required for vinyl clad fencing
CONCRETE PIPE (Section 65)					
Compliance with specifications		Contact METS for instructions		Contact METS for instructions	Sample and test if not previously inspected at source
CONDUIT (Section 86-1.02B)					
Conduit, various properties; must comply with *Standard Specifications* Section 86-1.02B	See *Standard Specifications* Section 86-1.02B	2 ft. long from center of length, 2 samples each size	Job site	As necessary for verification if quality is questionable	

Miscellaneous Materials (2 of 5)

Test	Test Method	Sample Size & Container Size	Sampling Location	Acceptance Test Frequency	Remarks
ELECTRICAL CONDUCTORS AND CABLES (Section 86-1.02F)					
Electrical conductors and cables, various properties; must comply with *Standard Specifications* Section 86-1.02F	See *Standard Specifications* Section 86	2 ft. long, include markings, 2 samples per gauge	Job site	Each lot for verification if quality is questionable	
EXPANSION JOINT FILLER					
Compliance with specifications		6 in. long, full width of sheet		Each 1,000 sq ft not less than 2 per shipment	
GEOSYNTHETICS (Section 96)					
Various properties; must comply with *Standard Specifications* Section 96	See *Standard Specifications* Section 96	1 piece, 3 ft x full width of roll	Job site	Each lot for verification if quality is questionable. See Remarks	Certificate of compliance required for each lot; unroll at least 1 circumference before sampling
PAINT (Section 91)					
Paint, various properties; must comply with *Standard Specifications* Section 91	See *Standard Specifications* Section 91	For miscellaneous painting, 1 qt (see Section 6-2 of this manual)	Job site	Each batch	If less than 20 gallons, testing not required and resident engineer must field release. Zinc-rich primer must be on the Authorized Materials List
PAVEMENT MARKERS (Section 81-3)					
Pavement Markers, various properties; must comply with *Standard Specifications* Section 81-3	See *Standard Specifications* Section 81-3	20 markers	Job site	As necessary for verification if quality is questionable	Each shipment must have certificate of compliance

Miscellaneous Materials (3 of 5)

Test	Test Method	Sample Size & Container Size	Sampling Location	Acceptance Test Frequency	Remarks
PERMEABLE MATERIALS: (Section 68-2.02F)					
Durability Index	California Test 229	50 lb	Stockpile	Before use	
Sieve Analysis	California Test 202	50 lb	Stockpile	Before use,1 every day	
PERMEABLE MATERIALS: Class 3 (Section 68-2.02F)					
Crushed Faces	California Test 205	50 lb	Stockpile	Before use	
PRESTRESSED TENDON GROUT (Section 50)					
Efflux time	California Test 541	One 6x12 in. cylinder mold can	From batch immediately after mixing for prequalification, thereafter from outlet end of tendon, storage tank, or both	At the start of each day's work, and thereafter 1 test per each 5% of ducts; see Remarks	Repeat acceptance tests whenever source of material is changed
RAISED BARS (PRECAST)					
Compliance with specifications		1 unit or full size bar		Each lot	Sample and test if not previously inspected at the source
REINFORCING STEEL (Section 52)					
Reinforcing Steel, various properties	See *Standard Specifi-cations* Section 52	2 samples, 30 in., except 40 in. for No. 14 and No. 18	Job site	As necessary for verification if quality is questionable	Each shipment must be accompanied by a certificate of compliance
SLOPE PROTECTION (Section 72)					
Size	N/A		Quarry or stockpile	As required for acceptance	Adequate size of slope protection documented by measuring or weighing the material
Apparent Specific Gravity	California Test 206	75 lb	Quarry or stockpile	Before use	

Miscellaneous Materials (4 of 5)

Test	Test Method	Sample Size & Container Size	Sampling Location	Acceptance Test Frequency	Remarks
SLOPE PROTECTION (Section 72) (Cont.)					
Absorption	California Test 206	75 lb	Quarry or stockpile	Before use	
Durability Index	California Test 229	75 lb	Quarry or stockpile	Before use	
STEEL PRODUCTS					
		Contact METS for instructions		Contact METS for instructions	
STRUCTURAL STEEL AND MISCELLANEOUS METAL (Sections 55 & 75)					
		2 samples, 30-in., cut parallel to direction of rolling		Each heat or melt or 10 tons or fraction	Sample and test if not previously inspected at the source
STRUCTURAL STEEL COATINGS (Section 59)					
Paint, various properties; must comply with *Standard Specifications* Section 59	See *Standard Specifi-cations* Section 59	For bridge or major structure, send an unopened 5-gal can	Job site	Each batch; see Remarks	Unused portion of 5-gal sample will be returned to job; see Section 6-2, "Acceptance of Manufactured or Fabricated Materials and Products," of this manual
WATER-PROOFING MATERIALS (Section 54)					
Glass Fiber	ASTM D1668, Type 1	9 sq ft of asphalt saturated cotton fabric	Job site	1 sample from each lot	
Asphalt	ASTM D449	5 lb of asphalt	Job site	1 sample from each lot	
Primer	ASTM D41	1 qt of asphalt primer	Job site	1 sample from each lot	

Miscellaneous Materials (5 of 5)

Test	Test Method	Sample Size & Container Size	Sampling Location	Acceptance Test Frequency	Remarks
WELDED WIRE REINFORCEMENT (Section 52-1.02C)					
Welded Wire Reinforcing Steel, must comply with *Standard Specifi-cations* Section 52-1.02C	ASTM A 1064/A 1064M	9 sq ft	Job site	As necessary for verification if quality is questionable	Each shipment must be accompanied by a certificate of compliance

APPENDIX 2

Size, Frequency, and Location of Sampling and Testing (non-NHS and non-SHS projects)

Sampling and Testing Frequency Table

for projects OFF the SHS.

HOT MIX ASPHALT (HMA) / ASPHALT CONCRETE (AC)

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Aggregate Gradation (Sieve)	CT 202	1 Per 1000 Tons or Part Thereof ; Minimum 1 per day during production/placement of at least 300 tons per day.	At Plant Per CT 125 (a)
Sand Equivalent	CT 217		
Asphalt Binder Content	CT 382		Loose Mix Behind Paver Per CT 125
In-Place Density and Relative Compaction (Nuclear)	Nuclear (b)	1 Per 1000 Tons or Part Thereof ; Minimum 1 per day during production/placement of at least 300 tons per day. (b)	Random Locations Per CT 375 (c
	CT 375 or ASTM D2950 (c		
Theoretical Maximum Specific Gravity and Density (Rice)	CT 309	1 Per Day During Production/Placement of At Least 300 Tons Per Day	Loose Mix Behind Paver Per CT 125
HMA Moisture Content	CT 226 or CT 370		
Stabilometer Value (d)	CT 366		
Asphalt Binder	Sample per Section 92	Sample 1 min. per day for production over 300 tons per day; See (f) regarding testing.	At Plant Per CT 125
Smoothness	12-foot Straightedge	As necessary to confirm contract compliance.	Final Pavement Surface

(a) Exact tonnage of sample location to be determined by Random Sampling Plans

(b) Compaction determined by Neclear Density Device. Core testing required if compaction fails the neclear test

(c Correlation between core densities and nuclear device required only if compaction fails the nuclear test

(d) Report the average of 3 tested briquettes from a single split source

(e) Use CT 309 to determine maximum theoretical density in lieu of CT 367 calculated maximum theoretical density

(f) No testing required unless warranted by concern ; sample and store until completion of project

SUBGRADE (DISTURBED BASEMENT SOIL) OR EMBANKMENT

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Maximum Density and Relative Compaction	CT 216/CT 231	1 Min. Test per 5000 sq ft under vehicle traveled way and shoulder 1 Min. Test Per 300 linear foot under sidewalk	Random locations as determined by the Engineer in place after compaction.

AGGREGATE BASES AND SUBBASES, IMPORTED BORROW

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202	1 Min. Test Per Material Source	Sample from site stockpile/plant prior to placement.
R-Value	CT 301		
Sand Equivalent	CT 217		
Maximum Density and Relative Compaction	CT 216/CT 231	1 Min. Test per 5000 sq ft	Random locations as determined by the Engineer in place after compaction.

STRUCTURE BACKFILL, SELECT BACKFILL

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202	1 Min. Test Per Material Source	Sample from site stockpile/plant prior to placement
R-Value	CT 301		
Sand Equivalent	CT 217		
Maximum Density and Relative Compaction	CT 216/CT 231	1 Min. Test Per 2 Vertical Lifts of Placement	Random locations as determined by the Engineer in place after compaction.

PORTLAND CEMENT CONCRETE (PCC) - STRUCTURAL AND SIGNAL/LIGHTING FOUNDATIONS

COARSE AGGREGATE

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202	1 min. test per 500 cu yds and per each material source ; 1 min. test on smaller projects; If bridge, 1 min. set per separate pour per abutment/pier/deck.	Sample from site stockpile/plant prior to placement
Cleanness Value	CT 227		

FINE AGGREGATE

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202	1 min. test per 500 cu yds and per each material source ; 1 min. test on smaller projects; If bridge, 1 min. set per separate pour per abutment/pier/deck.	Sample from site stockpile/plant prior to placement
Sand Equivalent	CT 217		

WET MIX

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Slump/Penetration	CT 533	2 per day	Sample from truck/work site
Cylinders	CT 539/540	1 min. set of 3 per day; If bridge, 1 min. set per separate pour of abutment/pier/deck.	

APPENDIX 3

Materials Typically Accepted by Certificate of Compliance

Materials Typically Accepted by Certificate of Compliance

- Reinforcing Steel
- Treated Timber and Lumber
- Plastic Pipe
- Plastic Pipe Fittings
- Reinforced Concrete Pipe
- Corrugated Metal Pipe
- Drop Inlets
- Prefabricated Manhole Bases and Cones
- Thermoplastic Pavement Markings and Stripes
- Pavement Markers
- Conductors
- Conduit
- Electrical Components
- Pavement Reinforcing Fabric
- Portland Cement
- PCC Admixtures
- Minor concrete
- Asphalt (Oil)
- Liquid Asphalt
- Asphaltic Emulsion
- Epoxy
- Valve Boxes