

NOTICE TO BIDDERS AND SPECIAL PROVISIONS FOR CONSTRUCTION ON

DOLA DITCH AND LANZIT DITCH BRIDGE REPLACEMENT

For use in connection with the following publications of the State of California,
Department of Transportation:

1. California Department of Transportation (Caltrans) 2023 Standard Specifications, unless specified otherwise in these Special Provisions.
2. Caltrans Standard Plans dated 2023, unless specified otherwise in these Special Provisions.
3. Labor Surcharge and Equipment Rental Rates effective on the date work is accomplished.

SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

-- TRANSPORTATION --



The Notice to Bidders and Special Provisions, prepared for
construction on

DOLA DITCH AND LANZIT DITCH BRIDGE REPLACEMENT

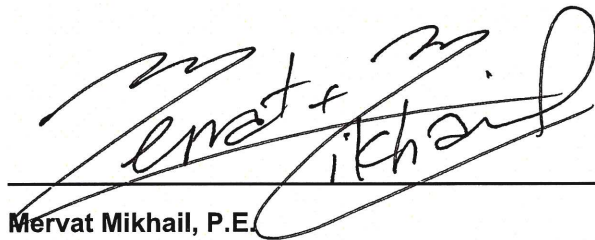
have been recommended for approval under the direction of the following:



1/24/24

Noel Castillo, P.E.
Director of Public Works

Date:



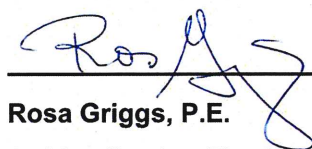
1/24/2024

Mervat Mikhail, P.E.
Deputy Director of Public Works

Date:

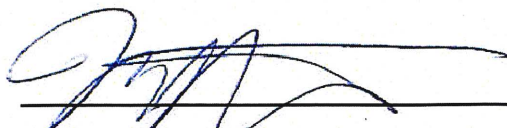


have been prepared by or under the direction of the following Registered Engineers:



1/12/2024

Rosa Griggs, P.E.
Bridge Design Engineer Date:



1/12/2024

Matt Atkinson, P.E.
Roadway Engineer

Date:



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NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that the Board of Supervisors of the San Bernardino County, State of California, will receive sealed proposals until

10:00 A.M., THURSDAY, XXXXXXXX XX, 20XX

in the building of:

San Bernardino County Department of Public Works
Front Reception Desk
825 East 3rd Street
San Bernardino, CA 92415-0835

PLEASE NOTE: All bidders and subcontractors, including, but not limited to persons or entities that deliver ready-mix concrete, must be registered with: 1) the Department of Industrial Relations (with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)); and 2) the County's ePro system prior to the date and time to receive sealed proposals or they will be disqualified. The lowest responsive and responsible bidder and its subcontractors must also be registered with the Department of Industrial Relations at the time of award of the contract and must remain registered throughout the term of the contract pursuant to Labor Code section 1771.1. For more information on the requirements of Labor Code section 1771.1, please see <http://www.dir.ca.gov/Public-Works/SB854.html>.

Bids (also referred to as "proposals") in response to this solicitation can be submitted through the San Bernardino County Electronic Procurement Network (ePro) <https://epro.sbcounty.gov/bso/> . (However, if the bid is submitted in ePro, the bidder's security described herein must still be submitted in person in a sealed envelope prior to the proposal opening date and time) or hard copy in person, with the bidder's security described herein in a sealed envelope prior to the proposal opening date and time, to the San Bernardino County Department of Public Works at which time they will be transmitted, publicly opened and declared via video and teleconference via goto.com/Meeting using meeting ID 434-769-549. See the flyer available under the bid posting on ePRO for further login information for the following project:

DOLA DITCH AND LANZIT DITCH BRIDGE REPLACEMENT

2.0 Miles East of Kelbaker Road to 2.8 Miles East of Kelbaker Road

LENGTH: 0.8 Miles

W.O.: H15220

AREA: Amboy

ROAD NO: 586600-120

The work, in general, consists of removing two timber bridges and replacing them with two concrete bridges.

This project requires a **Class A** contractor's license issued by the California Contractors State Licensing Board. The Contractor must maintain this license from contract award through contract acceptance. All contractors, including any out-of-state contractors/subcontractors, must comply with all applicable laws and regulations of the State of California at the time of bid and award.

A non-mandatory pre-bid meeting is scheduled for

10:00 A.M., WEDNESDAY, XXXXXXXX XX, 20XX

To be held via video and teleconference via goto.com using meeting ID 434-769-549. See the flyer available under the bid posting on ePRO for further login information. Handouts from the Pre-bid meeting will be post on ePRO shortly after the Pre-Bid meeting. **All bidders and interested small businesses are encouraged to attend this meeting.**

This meeting is to inform bidders of project requirements and subcontractors of subcontracting and material supply opportunities. Bidder's attendance at this meeting is not mandatory, but all bidders are encouraged to attend this meeting.

NOTICE: BIDDERS MUST OBTAIN BIDDING DOCUMENTS AND PREPARE THEIR BIDS ON FORMS OBTAINED DIRECTLY FROM THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS OR FROM THE SAN BERNARDINO COUNTY ELECTRONIC PROCUREMENT NETWORK (ePRO) <https://epro.sbcounty.gov/bsol>. BIDS PREPARED ON FORMS OBTAINED FROM OTHER SOURCES WILL NOT BE ACCEPTED. BIDDERS MUST BE LISTED ON THE OFFICIAL PLAN HOLDERS LIST AT THE TIME BIDS ARE PUBLICLY OPENED. BIDS RECEIVED FROM BIDDERS WHO ARE NOT LISTED ON THE OFFICIAL PLAN HOLDERS LIST WILL NOT BE ACCEPTED.

Bids shall be prepared in accordance with these Special Provisions and the following:

1. California Department of Transportation (Caltrans) 2023 Standard Specifications, unless specified otherwise in these Special Provisions.
2. Caltrans Standard Plans dated 2023, unless specified otherwise in these Special Provisions.
3. Labor Surcharge and Equipment Rental Rates effective on the date work is accomplished.

These publications are published by Caltrans and may be reviewed at the following website:

<http://www.dot.ca.gov/des/oe/construction-contract-standards.html>.

The bids must also be accompanied by cash, cashier's check, certified check, or bidder's bond executed by an admitted surety insurer, made payable to the San Bernardino County in the amount of at least ten percent of the amount of the bid given as a guarantee that the bidder will enter into a contract. The contract shall be signed by the successful bidder and returned **within 10 days**, and the contract bonds, copy of insurance policies, and Certificates of Insurance, with documents to verify any self-insurance coverage shall be provided **within 10 days**, not including Saturdays, Sundays and legal holidays, after the bidder has received the contract for execution.

The Engineer will issue two (2) Notices to Proceed, the first being a Notice to Proceed with Submittals, and the second being a Notice to Proceed with Construction. The Contractor shall begin construction work **within 15 days** after the Notice to Proceed with Construction (excluding Saturday, Sunday, and holidays). Pursuant to Section 1-1.07, "DEFINITIONS", of the Standard Specifications, "day" means **"24 consecutive hours running from midnight to midnight; calendar day"**.

The Plans and Special Provisions may be obtained at no cost by visiting <http://epro.sbcounty.gov/bsol>

With the purchase, a return address must be furnished which the purchaser thereby agrees is sufficient to reach him/her. Please note that, upon payment of the purchase price, the purchased copy of the plans and Special Provisions become the property of the purchaser and are not to be returned to the County for refund.

QUESTIONS: Bidders must submit all questions in writing, by mail, fax, or e-mail. The deadline for bidder questions is **5:00 P.M. on FRIDAY, XXXXXXXX XX, 20XX**

BONDS: The successful bidder will be required to furnish a Labor and Materials Bond and a Faithful Performance Bond, each in a penal sum equal to one hundred percent of the contract price.

Notice is hereby given that the successful bidder who is awarded the contract may avail itself to Public Contract Code section 22300 which allows substitute securities to be deposited in lieu of retention payments withheld to insure performance.

ePRO: Attention is directed to Section 2, "Proposal Requirements and Conditions" regarding the San Bernardino County's Electronic Procurement Network (ePro) system. THIS SYSTEM REQUIRES NEW REGISTRATION FOR ALL VENDORS DOING BUSINESS WITH THE COUNTY.

EQUAL EMPLOYMENT OPPORTUNITY: During the term of the Agreement, Contractor shall not discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, sexual orientation, age, or military and veteran status. Contractor shall comply with Executive Orders 11246, 11375, 11625, 12138, 12432, 12250, 13672, Title VI and Title VII of the Civil Rights Act of 1964, the California Fair Housing and Employment Act and other applicable Federal, State of California and County laws and regulations and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted.

This contract is subject to the State of California contract nondiscrimination and compliance requirements pursuant to Government Code section 12990.

EMERGING SMALL BUSINESS ENTERPRISE PROGRAM: Contractors are encouraged to participate in the San Bernardino County Emerging Small Business Enterprise (ESBE) Program. Questions regarding the ESBE Program should be directed to the Department of Public Works, Contracts Division at (909) 387-7920.

CONFLICT OF INTEREST AND FORMER COUNTY OFFICIALS: Attention is directed to the Conflict of Interest and Former County Officials requirements in the special provisions.

REPORT BID RIGGING: Please report any suspected bid rigging, bidder collusion, and other fraudulent activities in order for the County to identify and investigate highway construction contract fraud and abuse. You may report such activities by calling the Department's Contracts Division phone number at (909) 387-7920.

PREVAILING WAGES: Pursuant to section 1773 of the Labor Code, the general prevailing rates of wages in the San Bernardino County have been determined and are listed in the State of California Department of Industrial Relations Director's General Prevailing Wage Determinations (<https://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). In addition, these wages are set forth in the General Prevailing Wage Rates included in these Special Provisions. The Contractor and subcontractors shall not pay less than the prevailing wage. Copies of the prevailing wage rates are also on file at the San Bernardino County Department of Public Works Contracts Division office (address identified above) and shall be made available to any interested party on request. A copy of the determination of the Director of prevailing rate of per diem wages shall be posted at each job site. More specifically, the Contractor shall post the general prevailing wage rates at a prominent place at the job site (Labor Code section 1773.2).

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.

LABOR CODE REQUIREMENTS REGARDING REGISTRATION AS CONTRACTOR OR SUBCONTRACTOR REQUIRED PRIOR TO BID PROPOSAL SUBMISSION: Contractor shall comply with Labor Code section 1771.1, including, but not limited to, the following requirements: (1) no contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 (with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)); (2) no contractor or subcontractor may be awarded a contract for public work or perform work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5; (3) this Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations; (4) Contractor shall post job site notices regarding compliance monitoring and enforcement by the Department of

Industrial Relations; and (5) Contractor must submit certified payroll at least monthly to the Labor Commissioner in a format prescribed by the Labor Commissioner.

As provided in Labor Code section 1771.1:

(a) A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. 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 at the time the contract is awarded.

(b) Notice of the requirement described in subdivision (a) shall be included in all bid invitations and public works contracts, and a bid shall not be accepted nor any contract or subcontract entered into without proof of the contractor or subcontractor's current registration to perform public work pursuant to Section 1725.5.

(c) An inadvertent error in listing a subcontractor who is not registered pursuant to Section 1725.5 in a bid proposal shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive, provided that any of the following apply:

(1) The subcontractor is registered prior to the bid opening.

(2) Within 24 hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(3) The subcontractor is replaced by another registered subcontractor pursuant to Section 4107 of the Public Contract Code.

(d) Failure by a subcontractor to be registered to perform public work as required by subdivision (a) shall be grounds under Section 4107 of the Public Contract Code for the contractor, with the consent of the awarding authority, to substitute a subcontractor who is registered to perform public work pursuant to Section 1725.5 in place of the unregistered subcontractor.

(e) The department shall maintain on its Internet Web site a list of contractors who are currently registered to perform public work pursuant to Section 1725.5.

(f) A contract entered into with any contractor or subcontractor in violation of subdivision (a) shall be subject to cancellation, provided that a contract for public work shall not be unlawful, void, or voidable solely due to the failure of the awarding body, contractor, or any subcontractor to comply with the requirements of Section 1725.5 or this section.

(g) If the Labor Commissioner or his or her designee determines that a contractor or subcontractor engaged in the performance of any public work contract without having been registered in accordance with this section, the contractor or subcontractor shall forfeit, as a civil penalty to the state, one hundred dollars (\$100) for each day of work performed in violation of the registration requirement, not to exceed an aggregate penalty of eight thousand dollars (\$8,000) in addition to any penalty registration fee assessed pursuant to clause (ii) of subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(h) (1) In addition to, or in lieu of, any other penalty or sanction authorized pursuant to this chapter, a higher tiered public works contractor or subcontractor who is found to have entered into a subcontract with an unregistered lower tier subcontractor to perform any public work in violation of the requirements of Section 1725.5 or this section shall be subject to forfeiture, as a civil penalty to the state, of one hundred dollars (\$100) for each day the unregistered lower tier subcontractor performs work in violation of the registration requirement, not to exceed an aggregate penalty of ten thousand dollars (\$10,000).

(2) The Labor Commissioner shall use the same standards specified in subparagraph (A) of paragraph (2) of subdivision (a) of Section 1775 when determining the severity of the violation and what penalty to assess, and may waive the penalty for a first time violation that was

unintentional and did not hinder the Labor Commissioner's ability to monitor and enforce compliance with the requirements of this chapter.

(3) A higher tiered public works contractor or subcontractor shall not be liable for penalties assessed pursuant to paragraph (1) if the lower tier subcontractor's performance is in violation of the requirements of Section 1725.5 due to the revocation of a previously approved registration.

(4) A subcontractor shall not be liable for any penalties assessed against a higher tiered public works contractor or subcontractor pursuant to paragraph (1). A higher tiered public works contractor or subcontractor may not require a lower tiered subcontractor to indemnify or otherwise be liable for any penalties pursuant to paragraph (1).

(i) The Labor Commissioner or his or her designee shall issue a civil wage and penalty assessment, in accordance with the provisions of Section 1741, upon determination of penalties pursuant to subdivision (g) and subparagraph (B) of paragraph (1) of subdivision (h). Review of a civil wage and penalty assessment issued under this subdivision may be requested in accordance with the provisions of Section 1742. The regulations of the Director of Industrial Relations, which govern proceedings for review of civil wage and penalty assessments and the withholding of contract payments under Article 1 (commencing with Section 1720) and Article 2 (commencing with Section 1770), shall apply.

(j) (1) Where a contractor or subcontractor engages in the performance of any public work contract without having been registered in violation of the requirements of Section 1725.5 or this section, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractor or the unregistered subcontractor on all public works until the unregistered contractor or unregistered subcontractor is registered. The stop order shall not apply to work by registered contractors or subcontractors on the public work.

(2) A stop order may be personally served upon the contractor or subcontractor by either of the following methods:

(A) Manual delivery of the order to the contractor or subcontractor personally.

(B) Leaving signed copies of the order with the person who is apparently in charge at the site of the public work and by thereafter mailing copies of the order by first class mail, postage prepaid to the contractor or subcontractor at one of the following:

(i) The address of the contractor or subcontractor on file with either the Secretary of State or the Contractors' State License Board.

(ii) If the contractor or subcontractor has no address on file with Secretary of State or the Contractors' State License Board, the address of the site of the public work.

(3) The stop order shall be effective immediately upon service and shall be subject to appeal by the party contracting with the unregistered contractor or subcontractor, by the unregistered contractor or subcontractor, or both. The appeal, hearing, and any further review of the hearing decision shall be governed by the procedures, time limits, and other requirements specified in subdivision (a) of Section 238.1.

(4) Any employee of an unregistered contractor or subcontractor who is affected by a work stoppage ordered by the commissioner pursuant to this subdivision shall be paid at his or her regular hourly prevailing wage rate by that employer for any hours the employee would have worked but for the work stoppage, not to exceed 10 days.

(k) Failure of a contractor or subcontractor, owner, director, officer, or managing agent of the contractor or subcontractor to observe a stop order issued and served upon him or her pursuant to subdivision (j) is guilty of a misdemeanor punishable by imprisonment in county jail not exceeding 60 days or by a fine not exceeding ten thousand dollars (\$10,000), or both.

(l) This section shall apply to any bid proposal submitted on or after March 1, 2015, and any contract for public work entered into on or after April 1, 2015. This section shall also apply to the

performance of any public work, as defined in this chapter, on or after January 1, 2018, regardless of when the contract for public work was entered.

(m) Penalties received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(n) This section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work.

LABOR CODE REQUIREMENTS FOR ENTITIES HAULING OR DELIVERING READY-MIXED CONCRETE:

Adherence to the prevailing wage requirements found in Labor Code section 1720.9 for the hauling and delivery of ready-mixed concrete is required. This includes, but is not limited to, a requirement for the person or entity that delivers ready-mixed concrete to register with the Department of Industrial Relations (DIR) as specified in Labor Code section 1725.5. For more information, please see the DIR website: <http://www.dir.ca.gov/>.

IRAN CONTRACTING ACT OF 2010 (Public Contract Code section 2200 et seq.) (Applicable only to Contracts of One Million Dollars (\$1,000,000) or More): In accordance with Public Contract Code section 2204(a), the bidder certifies that at the time the bid is submitted, the bidder signing the bid is not identified on a list created pursuant to subdivision (b) of Public Contract Code section 2203 as a person (as defined in Public Contract Code section 2202(e)) engaging in investment activities in Iran described in subdivision (a) of Public Contract Code section 2202.5, or as a person described in subdivision (b) of Public Contract Code section 2202.5, as applicable.

RUSSIAN SANCTION/EXECUTIVE ORDER N-6-22 (Applicable for all Contracts of five million dollars (\$5,000,000) or more utilizing State funding.): On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine (<https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/ukraine-russia-related-sanctions>), as well as any sanctions imposed under state law (<https://www.dgs.ca.gov/OLS/Ukraine-Russia>). The EO directs state agencies and their contractors (including by agreement or receipt of a grant) to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should it be determined that Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. Contractor shall be provided advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the County.

PAYMENT BY ELECTRONIC FUND TRANSFER: Contractor shall accept all payments from County via electronic funds transfer (EFT) directly deposited into the Contractor's designated checking or other banking account. Contractor shall promptly comply with directions and accurately complete forms provided by County required to process EFT payments.

NOEL CASTLLO, P.E., DIRECTOR
DEPARTMENT OF PUBLIC WORKS



By:
ANDY SILAO, P.E., Engineering Manager
Contracts Division

DATE: _____

ORGANIZATION

Special provisions are under headings that correspond with the main-section headings of the *Standard Specifications*. A main-section heading is a heading shown in the table of contents of the *Standard Specifications*.

Each special provision begins with a revision clause that describes or introduces a revision to the *Standard Specifications*.

Any paragraph added or deleted by a revision clause does not change the paragraph numbering of the *Standard Specifications* for any other reference to a paragraph of the *Standard Specifications*.

AA

DIVISION I GENERAL PROVISIONS

1 GENERAL

Add to section 1-1.01:

Add the following paragraph to section 1-1.01, "GENERAL":

The Notice to Bidders is incorporated into these Special Provisions by this reference.

Add the following paragraphs to section 1-1.01, "GENERAL":

The work embraced herein shall be done in accordance with:

- 1) The Caltrans 2023 Standard Specifications.
- 2) The Caltrans 2023 Standard Plans.
- 3) Project Plans and these Special Provisions.
- 4) The Contract.
- 5) All other documents identified in the Contract.

Both the Standard Specifications and the Standard Plans are published by the State of California, Department of Transportation (Caltrans) and may be reviewed at the following website:
http://www.dot.ca.gov/hq/esc/oe/construction_standards.html.

In case of a conflict between the Standard Specifications and these Special Provisions, the Special Provisions shall take precedence over and be used in lieu of such conflicting portions.

Amendments to the Standard Specifications set forth in these Special Provisions shall be considered as part of the Standard Specifications for the purposes set forth in Section 5-1.02, "Contract Components," of the Standard Specifications. Whenever either the term "Standard Specifications is amended" is used in the Special Provisions, the indented text or table following the term shall be considered an amendment to the Standard Specifications. In case of conflict between such amendments and the Standard Specifications, the amendments shall take precedence over and be used in lieu of the conflicting portions.

Whenever in these Special Provisions the term section is used in an introductory instruction, it shall be understood to mean and refer to the section of the Standard Specifications unless otherwise specified. The special provision introductory instructions begin with the words "Delete," "Replace," or "Add," and appear as bold text, centered in the page.

Add the following paragraphs to section 1-1.07B, “DEFINITIONS”:

Whenever in the Standard Specifications the following terms are used, they shall be understood to mean and refer to the following:

1. Department – San Bernardino County.

2. Office Engineer, Engineer or Director -- The Director of the Department of Public Works acting either directly or through properly authorized agents, engineer, assistants, inspectors and superintendents acting severally within the scope of the particular duties delegated to them.
3. Attorney General -- The San Bernardino County Board of Supervisors.
4. Laboratory -- Any laboratory authorized by the Department of Public Works to test materials and work involved in the contract.
5. Liquidated Damages -- In accordance with Section 8-1.10 of the Standard Specifications, the amount prescribed in Section 8 of the Special Provisions to be paid to the County pursuant to the indicated conditions.
6. Engineer's Estimate -- The lists of estimated quantities of work to be performed as contained in the contract documents.
7. State -- San Bernardino County.
8. Awarding Authority - Means the authorized body or officer that awarded the public works contract.
9. Consultant - Means person(s), sole proprietorships, partnerships, associations, joint ventures, corporations, institutions or other entities who provide expert, professional assistance to the County under a contract.
10. Contract - Means an agreement between two parties consisting of an offer and an acceptance resulting from solicitation of bids or proposals, in which each party commits to stipulated prices, terms and conditions, or materials or services.
11. Contractor - Means any person, sole proprietorship, partnership, association, corporation, joint venture, institution or other entity which is a party to a contract.
12. Minority -- Means the same as defined in Public Contract Code section 2051(c).
13. Small Business Concern -- Means a small business as defined by Section 3 of the Small Business Act and relevant regulations found in Title 13 Part 121 of the CFR.
14. Procurement - Includes the acquisition of material, supplies, goods equipment, systems, construction and services through both formal (including competitive bids) and informal transactions which result in purchase orders and/or contracts.
15. Public Works Contract - Is an agreement to perform the work described in Public Contract Code section 22002.
16. Purchase - Means a method of procurement which results in an order for materials, supplies, goods, equipment, systems or services.
17. Purchase Order - Is defined as a form of contract which is used to order supplies, equipment, goods, systems or services. These are either unilateral, or one signature in nature, subject to performance by a vendor to form a contractual obligation.
18. Purchasing Agent - Means the Director of the Purchasing Department.
19. Bidder/Proposer - Means any person or entity making an offer or proposal to provide goods and/or services to the County.
20. Subcontractor - Means an individual or business firm contracting to perform part or all of another's contract.
21. Bid Item List -- Means the schedule of items found in the Proposal pages starting on P-1 of these Special Provisions.
22. Bid book -- Means the Proposal pages starting on P-1 of these Special Provisions.
23. Estimated Cost -- Is the estimated cost of the project.

24. Holiday – Holidays shown in the following

Holidays	
Holiday	Date observed
Every Sunday	Every Sunday
New Year's Day	January 1st
Birthday of Martin Luther King, Jr.	3rd Monday in January
Washington's Birthday	3rd Monday in February
Memorial Day	Last Monday in May
Juneteenth	June 19
Independence Day	July 4th
Labor Day	1st Monday in September
Columbus Day	2nd Monday in October
Veterans Day	November 11th
Thanksgiving Day	4th Thursday in November
Day after Thanksgiving Day	Day after Thanksgiving Day
Christmas Day Eve	December 24th
Christmas Day	December 25th
New Year's Day Eve	December 31st

If a holiday falls on a Sunday the next weekday that is not a holiday will be taken as a holiday.

If a holiday falls on a Saturday the previous weekday that is not a holiday will be taken as a holiday.

25. Informal-bid contract – Means a contract that has "Informal Bid Authorized by Public Contract Code section 22032(b)" on the cover of the Notice to Bidders and Special Provisions.

26. Labor Surcharge and Equipment Rental Rates - Means Caltrans publication that lists labor surcharge and equipment rental rates.

27. Offices of Structure Design or OSD means the Engineer.

28. "Labor Compliance Office of the district" or "Labor Compliance Office" means the Department's Contracts Division.

29. Business Day - Day on the calendar except a Saturday, Sunday and a holiday.

30. Working Day – This definition is the same as that provided in the Standard Specifications except for the exclusion in subsection 2.1 of the definition of "working day" found in section 1-1.07B, "Glossary," which is revised to state "Saturday, Sunday and a holiday."

Other terms appearing in the Standard Specifications and these Special Provisions shall have the intent and meaning specified in Section 1, "General," of the Standard Specifications. In the event of a conflict between the above terms and definitions and the terms and definitions identified in the Standard Specifications, the terms and definitions used in these Special Provisions shall control. Pursuant to section 1-1.07, "DEFINITIONS," of the Standard Specifications, unless otherwise noted as a "working day" or "business day," "day" in these Special Provisions means "24 consecutive hours running from midnight to midnight; calendar day."

Delete section 1-1.08, "DISTRICTS."

Delete section 1-1.11, "WEB SITES, ADDRESSES, AND TELEPHONE NUMBERS."

Replace section 1-1.12, "MISCELLANY," with:

1-1.12 MISCELLANY

Make checks and bonds payable to the San Bernardino County.

AA

2 BIDDING

Add the following paragraphs to section 2-1.01, "GENERAL":

The bidder must comply with the provisions in Section 2, "Bidding" of the Standard Specifications and these Special Provisions for the requirements and conditions which the bidder must observe in the preparation of the proposal form and the submission of the bid.

In addition to the subcontractors required to be listed in conformance with Section 2-1.10, "Subcontractor List," of the Standard Specifications, each proposal must have listed therein the portion of work that will be done by each subcontractor listed. A sheet for listing the subcontractors is included in the Proposal.

In accordance with Public Contract Code section 7106, a Noncollusion Declaration is included in the Proposal. All bidders must review, sign and submit the Noncollusion Declaration with their bid. **Any bid that fails to include an executed Noncollusion Declaration shall be considered nonresponsive.**

The Proposal, including all required forms, must be signed by the bidder or an authorized representative of bidder. PROPOSALS THAT ARE NOT SIGNED WILL BE DEEMED NONRESPONSIVE AND REJECTED.

Replace the 6th paragraph of section 2-1.04, "Pre-bid Outreach Meeting," with:

The Department may hold a single pre-bid meeting for more than one contract. Sign the sign-in sheet for the contract you intend to bid on. If you are bidding on multiple contracts, sign each sign-in sheet for each contract you intend to bid on. The sign-in sheets, with the names of all companies in attendance at each pre-bid meeting, will be made available through ePro and/or the Department for all bidders to view

Delete section 2-1.04, "PREBID OUTREACH MEETING"

Add between the 1st and 2nd paragraphs of section 2-1.06B:

The Department makes the following supplemental project information available:

Supplemental Project Information

Means	Description
Included in the <i>Information Handout</i>	Cross Sections
Available as specified in the <i>Standard Specifications</i>	Foundation Report, Dola Ditch Bridge, County Bridge No. 81, Caltrans Bridge No. 54C0285 and Foundation Report, Lanzit Ditch Bridge, County Bridge No. 82, Caltrans Bridge No. 54C0286
Included with the project plans	Log of Test Borings

Delete the 3rd, 4th, 5th, 6th, 7th and 8th Paragraph of section 2-1.06, "SUPPLEMENTAL PROJECT INFORMATION"

Replace section 2-1.06A, "General," with:

2-1.06A General

The Proposal, which includes the Bid Item List, can be found in these Special Provisions and on the San Bernardino County Electronic Procurement Network (<https://epro.sbcounty.gov/epro/>) as described further herein, and shall be used.

Replace section 2-1.06B, "Supplemental Project Information," with:

2-1.06B Supplemental Project Information

The County makes supplemental information available as specified in these Special Provisions.

If supplemental project information is available for inspection, bidders may view it by phoning in a request. The Contracts Division phone number is (909) 387-7920. Make your request at least 7 days before viewing. Include in your request:

1. Project title
2. Work order number
3. Viewing date
4. Contact information, including telephone number

The supplemental information may be available to interested parties at the following address:

San Bernardino County Department of Public Works
Contracts Division
825 East 3rd Street, Room 147
San Bernardino, CA 92415-0835

Replace section 2-1.10, "SUBCONTRACTOR LIST," with:

2-1.10 SUBCONTRACTOR LIST

On the Subcontractor List form, list each subcontractor to perform work in an amount in excess of 1/2 of 1 percent of the total bid or \$10,000, whichever is greater (Pub Cont Code § 4100 et seq.).

For each subcontractor listed, the Subcontractor List form must show:

1. Business name and the location of its place of business.
2. California contractor license number for a non-federal-aid contract.
3. Department of Industrial Relations public works contractor registration number.
4. The portion of work it will perform. The prime contractor shall list only one subcontractor for each portion as is defined by the prime contractor in his or her bid.

Delete Section 2-1.12, "DISADVANTAGED BUSINESS ENTERPRISES"

Delete section 2-1.15, "DISABLED VETERAN BUSINESS ENTERPRISES."

Delete section 2-1.18, "SMALL BUSINESS AND NON-SMALL BUSINESS SUBCONTRACTOR PREFERENCES."

Delete section 2-1.27, "CALIFORNIA COMPANIES."

Delete section 2-1.31, "OPT OUT OF PAYMENT ADJUSTMENTS FOR PRICE INDEX FLUCTUATIONS."

Add the following paragraphs to section 2-1.33, "BID DOCUMENT COMPLETION AND SUBMITTAL":

ePRO

Bids must be received by the designated date and time. An electronic bid can be submitted through the San Bernardino County Electronic Procurement Network (ePro) <https://epro.sbcounty.gov/epro/>. Submittals in ePro will be opened from the system's "encrypted lock box" and evaluated as stated in this solicitation. If the bid is submitted through ePro, the bid may also be withdrawn OR retrieved, adjusted, and re-submitted by the bidder at any time prior to the scheduled deadline for submission of the bid. Paper responses will also be accepted at the location identified in the solicitation and can be withdrawn at

any time prior to the scheduled deadline for submission of the bid. If the bid is submitted through ePro, the bidder acknowledges that its electronic signature is legally binding. All bidders must register with the ePro system prior to the date and time to receive the bid or they will be disqualified. Late or incomplete bids will be considered non responsive. A "complete" bid is defined as a bidder's submittal that includes all bid documents (i.e., the bid / proposal, bidder's security in a separately sealed envelope, and any other bid documents required for the project). System-related issues in ePro shall be directed to Vendor support at ePro.Vendors@buyspeed.com or at (855) 800-5046. For procurement questions involving ePro, please contact the Purchasing Department at (909) 387-2060. **NOTE: If sending the bid or bid bond to the Public Works Department in a mail envelope (i.e. U.S. Postal Office, Federal Express, etc.) please enclose the bid and/or bond inside the mail envelope in a separately sealed envelope bearing the title of the project, the name of the bidder, and marked "Bid Proposal and/or Bid Bond". All mail, including Priority and Express Mail, sent via the U.S. Postal Service is received by the County's mail room then distributed to the Public Works Department. This can cause a delay in the receipt of bids. The County is not responsible for any delays caused by mail service to a different County location. It is Bidder's responsibility to ensure bids and bid bonds are received at the Public Works Department, 825 East 3rd Street, Front Reception Desk, San Bernardino, CA, on or before the time set for opening of bids.**

REQUIRED LISTING OF SUBCONTRACTORS A sheet for listing the subcontractors, as required herein, is included in the Proposal.

Delete section 2-1.33A, "General."

Delete section 2-1.33B, "Bid Form Submittal Schedules."

Replace section 2-1.34, "BIDDER'S SECURITY," with:

2-1.34 PROPOSAL GUARANTY

- All bids/proposals shall be presented either under sealed cover or submitted through the San Bernardino County Electronic Procurement Network (ePro) and accompanied by one of the following forms of bidder's security:

Cash, a cashier's check, a certified check, or a bidder's bond executed by an admitted surety insurer, made payable to the County of San Bernardino.

- The security shall be in an amount equal to at least 10 percent of the amount of bid. A bid / proposal will not be considered unless it is accompanied by one of the forms of bidder's security, in accordance with what is stated below.

- The bidder's bond shall conform to the bond form labeled as "Bid Bond" in the "Proposal" section of these Special Provisions, and shall be properly filled out and executed. The "Bid Bond" form provided in the "Proposal" section of these Special Provisions may be used. Upon request, copies of the "Bid Bond" forms may be obtained from the Department.

If the bid is submitted through the ePro, bidder shall scan the bid security (bid bond) and submit the scanned copy with the bid submittal in ePro. **In addition, bidder shall mail or submit in person the original bid security, in a separate sealed envelope labeled "Bid Bond" with the title of the work and the name of the bidder clearly marked on the outside, to: Department of Public Works, 825 E. 3rd Street, Front Reception, San Bernardino, California, 92415-0835. Any mailed or submitted bid security must be received on or before the time set for the opening of the bids.**

Any bid/proposal that fails to include an original paper submission of the bidder's security in a separately sealed mailed or otherwise submitted envelope shall be considered nonresponsive. Bidder's attention is directed to Section 2-1.33, "ePro," of these Special Provisions for further details

Delete the 1st paragraph of section 2-1.40, "BID WITHDRAWAL."

Replace section 2-1.43, "BID OPENING," with:

2-1.43 PUBLIC OPENING OF THE BID

Bids (both paper and ePro) will be opened and read aloud publicly at the place and time set for the opening of bids in the Notice to Bidders or as revised in an Addendum. All bids submitted to the Public Works Department in sealed envelopes will be opened and read. All bids submitted in the ePro system will be opened from the system's "encrypted lock box" and read. The bid summary sheet referencing both paper bids and ePro bids will be available through ePro and/or the Public Works Department for all bidders to view.

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 future public works contracts.

Replace any references in section 2-1.46, "DEPARTMENT'S DECISION ON BID," to "Department" with "Board of Supervisors (or if informally bid, with the Chief Executive Officer)."

Add the following paragraphs to section 2-1.46, "DEPARTMENT'S DECISION ON BID":

Proposals shall be rejected if they have been transferred to another bidder, or if they show any alteration of form, additions not called for or if they are conditional or incomplete bids. Proposals may be rejected if there are erasures or irregularities of any kind.

Bidders that fail to include an executed Noncollusion Declaration shall be considered nonresponsive.

Replace section 2-1.47, "BID RELIEF," with

2-1.47 BID RELIEF

The County may grant bid relief under Pub Cont Code § 5100 et seq. Submit any request for bid relief to the Department

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3 CONTRACT AWARD AND EXECUTION

The bidder's attention is directed to the provisions in Section 3, "Contract Award and Execution," of the Standard Specifications and these Special Provisions for the requirements and conditions concerning the Contract Award and Execution

Delete 1st and 3rd paragraph of section 3-1.02A, "General."

Replace 3-1.02B, "Tied Bids," with:

3-1.02B Tied Bids

The Department breaks a tied bid with a coin toss

Add the following paragraph to section 3-1.03, "CONTRACTOR REGISTRATION"

LABOR CODE REQUIREMENTS REGARDING REGISTRATION AS CONTRACTOR OR SUBCONTRACTOR REQUIRED PRIOR TO BID PROPOSAL SUBMISSION: Contractor shall comply with Labor Code section 1771.1, including, but not limited to, the following requirements: (1) no contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 (with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)); (2) no contractor or subcontractor may be awarded a contract for public work or perform work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5; (3) this Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations; (4) Contractor shall post job site notices regarding compliance monitoring and enforcement by

the Department of Industrial Relations; and (5) Contractor must submit certified payroll at least monthly to the Labor Commissioner in a format prescribed by the Labor Commissioner. As provided in Labor Code section 1771.1:

(a) A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. 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 at the time the contract is awarded.

(b) Notice of the requirement described in subdivision (a) shall be included in all bid invitations and public works contracts, and a bid shall not be accepted nor any contract or subcontract entered into without proof of the contractor or subcontractor's current registration to perform public work pursuant to Section 1725.5.

(c) An inadvertent error in listing a subcontractor who is not registered pursuant to Section 1725.5 in a bid proposal shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive, provided that any of the following apply:

(1) The subcontractor is registered prior to the bid opening.

(2) Within 24 hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(3) The subcontractor is replaced by another registered subcontractor pursuant to Section 4107 of the Public Contract Code.

(d) Failure by a subcontractor to be registered to perform public work as required by subdivision (a) shall be grounds under Section 4107 of the Public Contract Code for the contractor, with the consent of the awarding authority, to substitute a subcontractor who is registered to perform public work pursuant to Section 1725.5 in place of the unregistered subcontractor.

(e) The department shall maintain on its Internet Web site a list of contractors who are currently registered to perform public work pursuant to Section 1725.5.

(f) A contract entered into with any contractor or subcontractor in violation of subdivision (a) shall be subject to cancellation, provided that a contract for public work shall not be unlawful, void, or voidable solely due to the failure of the awarding body, contractor, or any subcontractor to comply with the requirements of Section 1725.5 or this section.

(g) If the Labor Commissioner or his or her designee determines that a contractor or subcontractor engaged in the performance of any public work contract without having been registered in accordance with this section, the contractor or subcontractor shall forfeit, as a civil penalty to the state, one hundred dollars (\$100) for each day of work performed in violation of the registration requirement, not to exceed an aggregate penalty of eight thousand dollars (\$8,000) in addition to any penalty registration fee assessed pursuant to clause (ii) of subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(h) (1) In addition to, or in lieu of, any other penalty or sanction authorized pursuant to this chapter, a higher tiered public works contractor or subcontractor who is found to have entered into a subcontract with an unregistered lower tier subcontractor to perform any public work in violation of the requirements of Section 1725.5 or this section shall be subject to forfeiture, as a civil penalty to the state, of one hundred dollars (\$100) for each day the unregistered lower tier subcontractor performs work in violation of the registration requirement, not to exceed an aggregate penalty of ten thousand dollars (\$10,000).

(2) The Labor Commissioner shall use the same standards specified in subparagraph (A) of paragraph (2) of subdivision (a) of Section 1775 when determining the severity of the violation

and what penalty to assess, and may waive the penalty for a first time violation that was unintentional and did not hinder the Labor Commissioner's ability to monitor and enforce compliance with the requirements of this chapter.

(3) A higher tiered public works contractor or subcontractor shall not be liable for penalties assessed pursuant to paragraph (1) if the lower tier subcontractor's performance is in violation of the requirements of Section 1725.5 due to the revocation of a previously approved registration.

(4) A subcontractor shall not be liable for any penalties assessed against a higher tiered public works contractor or subcontractor pursuant to paragraph (1). A higher tiered public works contractor or subcontractor may not require a lower tiered subcontractor to indemnify or otherwise be liable for any penalties pursuant to paragraph (1).

(i) The Labor Commissioner or his or her designee shall issue a civil wage and penalty assessment, in accordance with the provisions of Section 1741, upon determination of penalties pursuant to subdivision (g) and subparagraph (B) of paragraph (1) of subdivision (h). Review of a civil wage and penalty assessment issued under this subdivision may be requested in accordance with the provisions of Section 1742. The regulations of the Director of Industrial Relations, which govern proceedings for review of civil wage and penalty assessments and the withholding of contract payments under Article 1 (commencing with Section 1720) and Article 2 (commencing with Section 1770), shall apply.

(j) (1) Where a contractor or subcontractor engages in the performance of any public work contract without having been registered in violation of the requirements of Section 1725.5 or this section, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractor or the unregistered subcontractor on all public works until the unregistered contractor or unregistered subcontractor is registered. The stop order shall not apply to work by registered contractors or subcontractors on the public work.

(2) A stop order may be personally served upon the contractor or subcontractor by either of the following methods:

(A) Manual delivery of the order to the contractor or subcontractor personally.

(B) Leaving signed copies of the order with the person who is apparently in charge at the site of the public work and by thereafter mailing copies of the order by first class mail, postage prepaid to the contractor or subcontractor at the address on file with either of the following:

(i) The Contractors' State License Board.

(ii) The Secretary of State.

(3) The stop order shall be effective immediately upon service and shall be subject to appeal by the party contracting with the unregistered contractor or subcontractor, by the unregistered contractor or subcontractor, or both. The appeal, hearing, and any further review of the hearing decision shall be governed by the procedures, time limits, and other requirements specified in subdivision (a) of Section 238.1.

(k) Failure of a contractor or subcontractor, owner, director, officer, or managing agent of the contractor or subcontractor to observe a stop order issued and served upon him or her pursuant to subdivision (j) is guilty of a misdemeanor punishable by imprisonment in county jail not exceeding 60 days or by a fine not exceeding ten thousand dollars (\$10,000), or both.

(l) This section shall apply to any bid proposal submitted on or after March 1, 2015, and any contract for public work entered into on or after April 1, 2015. This section shall also apply to the performance of any public work, as defined in this chapter, on or after January 1, 2018, regardless of when the contract for public work was entered.

(m) Penalties received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(n) This section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work

Replace section 3-1.04, "CONTRACT AWARD," with:

3-1.04 CONTRACT AWARD

The award of the contract, if it be awarded, will be to the lowest responsible bidder whose proposal complies with all the requirements prescribed. The award, if made, will be made within 60 days after the opening of the proposals. This period will be subject to extension for such further period as may be agreed upon in writing between the Department and the bidder concerned.

Bid Protest: Any bidder submitting a bid to the County for this Project may file a protest of the County's proposed award of the contract for this Project, provided that each and all of the following are complied with:

1. The bid protest is in writing.
2. The bid protest is submitted to and received by the Department of Public Works, 825 E. Third Street., Room 147, San Bernardino, CA, 92415 **before 4:00 p.m. of the sixth (6th) business day following the bid opening.** Failure to timely submit a written protest shall constitute grounds for the County's denial of the bid protest without consideration of the grounds stated in the bid protest and a waiver of the right to protest. Untimely protests will not be accepted or considered.
3. The written bid protest shall set forth, in detail, all grounds for the bid protest (including without limitation all facts, supporting documentation, legal authorities and argument in support of the grounds for the bid protest), the form of relief required and the legal basis for such relief. Any grounds not set forth in the bid protest shall be deemed waived. All factual contentions must be supported by competent, admissible and credible evidence. The bid protests shall include the name of the project manager and the name and Work Order number of the bid Project. Any bid protest not conforming to the foregoing shall be rejected as invalid.

If a valid protest is timely filed and complies with the above requirements, the Department shall review and evaluate the bid protest. All bidders, including the protesting bidder, shall have three business days to respond to the Department and to provide any information requested by the Department. The Department shall respond to the protesting bidder and state the Department's findings regarding the bid protest. The Department Director's decision shall be final, unless overturned by the Board of Supervisors.

Replace section 3-1.05, "CONTRACT BONDS (Pub Cont Code §§ 10221 AND 10222)," with:

3-1.05 CONTRACT BONDS

Both the payment bond and the performance bond shall be in a sum equal to the total contract amount. The bond provider must be an admitted surety insurer (Code of Civil Procedure section 995.311) authorized to do business in the State of California.

Delete section 3-1.07, "INSURANCE POLICIES."

Delete section 3-1.08, "SMALL BUSINESS PARTICIPATION REPORT."

Delete section 3-1.11, "PAYEE DATA RECORD."

Delete section 3-1.13, "FORM FHWA-1273."

Replace section 3-1.18, "CONTRACT EXECUTION," with:

3-1.18 CONTRACT EXECUTION

The contract, along with the performance and payment bonds, copies of insurance policies, certificates of insurance, documents to verify any self-insurance coverage, and any other requested documents, shall be filled out appropriately and signed by the successful bidder and returned within 10 days (excluding Saturday, Sunday and holidays) after receiving those documents for execution.

Failure of the lowest responsible bidder, the second lowest responsible bidder, or the third lowest responsible bidder to execute the contract and file acceptable bonds as provided herein shall be just cause for the forfeiture of the proposal guaranty. The successful bidder may file with the County a written notice, signed by the bidder or the bidder's authorized representative, specifying that the bidder will refuse to execute the contract if it is presented. The filing of this notice shall have the same force and effect as the failure of the bidder to execute the contract and furnish acceptable bonds within the time hereinbefore prescribed.

Add section 3-1.20, "DATA UNIVERSAL NUMBERING SYSTEM (D-U-N-S) NUMBER," which reads:

3-1.20 DATA UNIVERSAL NUMBERING SYSTEM (D-U-N-S) NUMBER

The successful bidder must provide the Department a D-U-N-S number.

Complete and sign the Data Universal Numbering System (D-U-N-S) Number form included in the contract documents. This form must be submitted with the executed contract.

If your company does not have a D-U-N-S number, you can obtain one by contacting Dun & Bradstreet at: <http://dnb.com/us/>

If you fail to submit this information with the executed contract, the San Bernardino County will not approve the contract.

Add section 3-1.21, "CONFLICT OF INTEREST," which reads:

3-1.21 CONFLICT OF INTEREST

Contractor shall make all reasonable efforts to ensure that no County officer or employee, whose position in the County enables him/her to influence any award of this contract or any competing offer, shall have any direct or indirect financial interest resulting from the award of this contract or shall have any relationship to the Contractor or officer or employee of the Contractor.

Add section 3-1.22, "FORMER COUNTY OFFICIALS," which reads:

3-1.22 FORMER COUNTY OFFICIALS

Contractor must provide information on former San Bernardino County Administrative officials (as defined below) who are employed by or represent their business. The information provided must include a list of former County Administrative Officials who terminated County employment within the last five years and who are now officers, principals, partners, associates or members of the business. This information should also include the employment and/or representative capacity and the dates these individuals began employment with or representation of their business. For purposes of this section, "County Administrative Official" is defined as a member of the Board of Supervisors or such officer's staff, group head, assistant department or group head, or any employee in the Exempt Group, Management Unit or Safety Management Unit.

Failure to provide this information may result in the proposal being deemed nonresponsive.

Add section 3-1.23, "SAN BERNARDINO COUNTY EQUAL EMPLOYMENT OPPORTUNITY PROGRAM AND TITLE VI ASSURANCES," which reads:

3-1.23 SAN BERNARDINO COUNTY EQUAL EMPLOYMENT OPPORTUNITY PROGRAM AND TITLE VI ASSURANCES

During the term of the Contract, Contractor shall not discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, sexual orientation, age, or military and veteran status. Contractor shall comply with Executive Orders 11246, 11375, 11625, 12138, 12432, 12250, 13672, Title VI & VII of the Civil Rights Act of 1964, the California Fair Housing and Employment Act and other applicable Federal, State of California and County laws and regulations and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted.

TITLE VI ASSURANCES

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

(1) 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 in this section as the Regulations), which are herein incorporated by reference and made a part of this agreement.

(2) 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.

(3) 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.

(4) 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 California Department of Transportation or the United States Department of Transportation Federal Highway Administration (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 California Department of Transportation or the FHWA as appropriate, and shall set forth what efforts Contractor has made to obtain the information.

(5) Sanctions for Noncompliance: In the event of Contractor's noncompliance with the nondiscrimination provisions of this agreement, the California Department of Transportation shall impose such agreement sanctions as it or the FHWA may determine to be appropriate, including, but not limited to: (a) withholding of payments to Contractor under the Agreement within a reasonable period of time, not to exceed 90 days; and/or (b) cancellation, termination or suspension of the Agreement, in whole or in part. (6) 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 California Department of Transportation 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 California Department of Transportation 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.

Add section 3-1.24, "REFERENCE CHECKS," which reads

3-1.24 REFERENCE CHECKS

Reference checks may be performed on the apparent low bidder, and if performed, the apparent low bidder shall be required to submit a list of references upon request.

Add section 3-1.25, "IRAN CONTRACTING ACT OF 2010," which reads:

3-1.25 IRAN CONTRACTING ACT OF 2010 (Public Contract Code section 2200 et seq.) (Applicable only to Contracts of One Million Dollars (\$1,000,000) or More):

In accordance with Public Contract Code section 2204(a), the Contractor certifies that at the time the Contract is signed, the Contractor signing the Contract is not identified on a list created pursuant to

subdivision (b) of Public Contract Code section 2203 as a person (as defined in Public Contract Code section 2202(e)) engaging in investment activities in Iran described in subdivision (a) of Public Contract Code section 2202.5, or as a person described in subdivision (b) of Public Contract Code section 2202.5, as applicable.

Add section 3-1.24, "RUSSIAN SANCTION/EXECUTIVE ORDER N-6-22," which reads:

3-1.24 RUSSIAN SANCTION/EXECUTIVE ORDER N-6-22 (Applicable for all Contracts of five million dollars (\$5,000,000) or more utilizing State funding.)

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine (<https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/ukraine-russia-related-sanctions>), as well as any sanctions imposed under state law (<https://www.dgs.ca.gov/OLS/Ukraine-Russia>). The EO directs state agencies and their contractors (including by agreement or receipt of a grant) to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should it be determined that Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. Contractor shall be provided advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the County.

Contractors are cautioned that making a false certification may subject the Contractor to civil penalties, termination of existing contract, and ineligibility to bid on a contract for a period of three (3) years in accordance with Public Contract Code section 2205.

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4 SCOPE OF WORK

Add the following paragraph to Section 4-1.03, "WORK DESCRIPTION":

The work, in general, consists of removing the existing bridges, constructing new bridges, grading the channel, installing rock slope protection, asphalt paving; installing MGS; striping and signage and doing other work appurtenant thereto

Replace section 4-1.06A, "General," with:

4-1.06A General

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.

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:

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 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 SP - 26 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.

Replace "Change Order" at each occurrence in section 4-1.05, "CHANGES AND EXTRA WORK," with "Change Order or Contract Amendments."

Delete section 4-1.07, "VALUE ENGINEERING."

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5 CONTROL OF WORK

Add to section 5-1.09A, "General," the following paragraphs:

San Bernardino County will promote the formation of a "Partnering" relationship with the Contractor in order to effectively complete the contract to the benefit of both parties. The purpose of this relationship will be to maintain cooperative communication and mutually resolve conflicts at the lowest possible management level.

The County's share of such costs will be reimbursed to the Contractor in a change order written by the Engineer. The establishment of a "Partnering" relationship will not change or modify the terms and conditions of the contract and will not relieve either party of the legal requirements of the contract.

Further, nothing contained in this provision shall be construed as creating a joint venture, partnership, or employment arrangement between the parties hereto, nor shall either party have the rights, power or authority to create an obligation or duty, expressed or implied, on behalf of the other party hereto

Replace section 5-1.12, "ASSIGNMENT," with:

5-1.12 ASSIGNMENT

The performance of the Contract or any Contract part may be assigned only with prior written consent from the County. To request consent, submit your request in writing to the Department Engineer. The County does not consent to any requested assignment that would relieve you or your surety of the responsibility to complete the work or any part of the work.

If you assign the right to receive Contract payments, the County accepts the assignment upon the Engineer's receipt of a written request. Assigned payments remain subject to deductions and withholds described in the Contract. The Department may use withheld payments for work completion whether the payments are assigned or not.

Add to section 5-1.13A, "General," the following paragraphs:

Contractor must comply with section 5-1.13, "Subcontracting," of the Standard Specifications, Section 2, "Bidding" of these Special Provisions and Section 3, "Contract Award And Execution, D-U-N-S Number, Equal Employment Opportunity Program, Conflict Of Interest, And Former County Officials" of these Special Provisions.

Each subcontract must comply with the Contract and any lower tier subcontract that may in turn be made must comply with the Contract, including but not limited to Section 7, "Legal Relations and Responsibility to the Public," 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.

Pursuant to the provisions in Section 1777.1 of the Labor Code, the Labor Commissioner publishes and distributes a list of contractors ineligible to perform work as a subcontractor on a public works project. This list of debarred contractors is available from the Department of Industrial Relations web site at:

http://www.dir.ca.gov/dir/Labor_law/DLSE/Debar.html

Delete section 5-1.13B, “Disadvantaged Business Enterprises”

Delete section 5-1.13C, “Disabled Veteran Business Enterprises”

Delete section 5-1.13D, “Non-Small Businesses”

Add the following paragraphs to section 5-1.20B(1), “General”:

A copy of the PLACs are included in these Special Provisions.

The contractor shall make the Agreement, any extensions and amendments to the Agreement, and all related notification materials and California Environmental Quality Act (CEQA) documents, readily available at the project site at all times and shall be presented to CDFW personnel (if applicable), or personnel from another state, federal, or local agency upon request.

CDFW personnel may enter the project site at any time to verify compliance with the Agreement (if applicable)

Replace the phrase “3. Structure name and number, if any” in section 5-1.23A, “General,” with “Project name, structure or road number.”

Delete all of the paragraphs in section 5-1.27E, “Change Order Bills,” with the exception of the 1st paragraph.

Add the following paragraphs to section 5-1.36A, “General”:

Wherever work requires removing materials, the work and the unit price includes hauling and disposing of the materials outside of the project limits unless salvaging or incorporating the materials into the final work is described.

High Risk Facility Notification:

Certain underground facilities exist that may require special precautions be taken by the Contractor to protect the health, safety and welfare of workmen and of the public. Facilities requiring special precautions include, but are not limited to: underground electric supply system conductors or cables, either directly buried or in duct or conduit which do not have concentric grounded conductors or other effectively grounded metal shields or sheaths.

Replace 2nd paragraph of section 5-1.36A, “General,” with:

Contractor must notify the Engineer and the appropriate regional notification center for operators of subsurface installations at least 2 working days, but not more than 14 days, prior to performing any excavation or other work close to any underground pipeline, conduit, duct, wire or other structure. Regional notification centers include but are not limited to the following:

Underground Service Alert of Southern California (USA) at 811 or 1-800-422-4133

Add the following paragraphs to section 5-1.36C(1), “General”:

Attention is directed to Section 5-1.36C, "Non-Highway Facilities," and 15, "Existing Facilities," of the Standard Specifications and these Special Provisions.

The Contractor’s attention is directed to the existence of certain underground facilities that may require special precautions be taken by the Contractor to protect the health, safety and welfare of workmen and of the public. Facilities requiring special precautions include, but are not limited to: underground electric supply system conductors or cables, either directly buried or in duct or conduit which do not have concentric grounded conductors or other effectively grounded metal shields or sheaths.

The Contractor shall notify the Engineer and the appropriate regional notification center for operators of subsurface installations at least 2 working days, but not more than 14 calendar days, prior to performing any excavation or other work close to any underground pipeline, conduit, duct, wire or other structure.

Regional notification centers include but are not limited to the following: Underground Service Alert of Southern California (USA) 1-800-227-2600 Attention is directed to other obstructions as follows:
 AGENCY CONTACTS The following utility/municipal agencies have facilities within the limits of the subject project:

AGENCY	CONTACT	ADDRESS/ PHONE/CELL
Level 3 Communications / Lumen	Bryan D. Church Lead Network Implementation Engineer	bryan.church@lumen.com Lumen / CenturyLink / Level3 / TW Telecom 1550 Marlborough Ave Riverside, CA 92507 Cell Phone: 951-203-4415

The contractor shall notify all listed utility companies two weeks prior to start of work.

The contractor is to notify Underground Service Alert at 1-800-227-2600, 48 hours prior to any construction operations in order for utilities to mark and identify locations of existing facilities.

1. During construction operations, all County-owned signs shall be relocated to clear the way for the Contractor's operations. When construction is complete, the County-owned signs shall be installed in final position as designated by the Engineer. (See "Reset Roadside Signs" elsewhere in these Special Provisions).
2. Existing guideposts (paddles) that interfere with construction shall be removed and disposed of.
3. Existing pavement markers, when no longer required for traffic lane delineation as directed by the Engineer, shall be removed and disposed of.
4. Special precaution shall be taken by the Contractor to protect existing utilities that may not be noticeably visible while working in the road shoulder areas.

Full compensation for conforming to the requirements of this section, not otherwise provided for, including furnishing all labor, materials, tools, equipment and incidentals, including utility adjustments to grade, providing utility windows and coordination, and for doing all work involved shall be considered as included in the contract prices paid for the various items of work and no additional compensation will be allowed therefore.

Replace the 3rd paragraph of section 5-1.36C(3), "Nonhighway Facility Rearrangement," with:

Supplemental Work – The rearrangement of utilities is not anticipated work within the scope of the project.

Replace section 5-1.36C(2) with:

5-1.36C(2) Nonhighway Facility Protection

The utilities shown in the following table are not anticipated to interferewith the work and must be exposed or protected in place. Make arrangements with the utility owner (1) to conduct or witness all exposures .

Utilities to Be Exposed and/or Protected in Place During Construction	
Utility	Location
Underground Fiber Optic Line	2-20 feet north of westbound edge of pavement

Delete section 5-1.39C (2), "Plant Establishment Period of 3 Years or More."

Revise the phrase “2. Bar to arbitration (Pub Cont Code § 10240.2)” in the fourth paragraph of section 5-1.43A, “General,” with:

Bar to pursue the claim in a court of law

5-1.43E Dispute Resolution for Claims subject to Public Contract Code sections 9204, 20104, 20104.2, 20104.4 and/or 20104.6.

Claims between the County and the Contractor shall be resolved in accordance with Public Contract Code section 9204 (which is a new law and applies to all public works contracts entered on or after January 1, 2017), as well as Public Contract Code sections 20104, 20104.2, 20104.4 and 20104.6 (if applicable), provided, however, that Public Contract Code section 20104.2(a) shall not supersede the requirements of the Contract Documents with respect to the Contractor's notification to the County of such claim or extend the time for giving of such notice as provided in the Contract Documents. The entire text of Public Contract Code sections 9204, 20104, 20104.2, 20104.4 and 20104.6 is incorporated herein and found at the end of these Special Provisions.

Please note that pursuant to Public Contract Code section 9204(c)(1), a “claim” means the following:

a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following: (A) A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project. (B) Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled. (C) Payment of an amount that is disputed by the public entity.

Add section 5-1.43G, “Civil Action,” which reads:

5-1.43G Civil Action

Any dispute which cannot be resolved between the Parties by first following the applicable and required potential claims and dispute resolution provisions stated in this section 5-1.43, may then be resolved through litigation in a court of competent jurisdiction of the State of California. **IMPORTANT: BEFORE CONTRACTOR MAY FILE A LAWSUIT AGAINST COUNTY, CONTRACTOR SHALL FIRST COMPLY WITH THE GOVERNMENT CLAIMS ACT, CALIFORNIA GOVERNMENT CODE SECTION 900 ET SEQ., INCLUDING, BUT NOT LIMITED TO, THE REQUIREMENT THAT CONTRACTOR PREPARE AND FILE A TIMELY CLAIM THAT SATISFIES THE GOVERNMENT CLAIMS ACT WITH THE FOLLOWING COUNTY DEPARTMENT:**

San Bernardino County

Risk Management Division

222 W. Hospitality Lane, 3rd Floor San Bernardino, California 92415-0016

A copy of the County's standard claim form may be accessed at the Risk Management Division during normal business hours, or may be downloaded at http://countyline.sbcounty.gov/riskmanagement/content/forms/claim_against_county.pdf.

Venue for any such litigation concerning this Project or Agreement shall be in the Superior Court of California, San Bernardino County, San Bernardino District and Contractor agrees to incorporate this provision into all subcontracts.

Each Party hereby waives any law or rule of court that would allow them to request or demand a change of venue. If any third party brings an action or claim concerning this Contract, the Parties hereto agree to use their best efforts to obtain a change of venue to the Superior Court of California, County of San Bernardino, San Bernardino District

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6 CONTROL OF MATERIALS

Add the following paragraph to section 6-1.01, "GENERAL":

Contractor must comply with Section 6, "Control of Materials," of the Standard Specifications and these Special Provisions

Add the following paragraph to section 6-2.01, "GENERAL":

All materials required to complete the work under this contract shall be furnished by the Contractor. The Department uses a Quality Assurance Program (QAP) to ensure a material is produced to comply with the Contract. Contractor may examine the records and reports of tests the Department performs if they are available at the job site. Schedule work to allow time for QAP.

Replace section 6-2.01C, "Authorized Material Lists," with:

6-3.05K Prequalified And Tested Materials For Traffic Control Devices

Contractor must comply with section 6-3.02, "SPECIFIC BRAND OR TRADE NAME AND SUBSTITUTION," of the Standard Specifications and these Special Provisions.

The Department maintains a trade name list of approved prequalified and tested signing and delineation materials and products. Approval of prequalified and tested products and materials shall not preclude the Engineer from sampling and testing any of the signing and delineation materials or products at any time. Contractor may use a product that is equal to or better than the specified brand or trade name if authorized.

Materials and products will be considered for addition to said approved prequalified and tested list if the manufacturer of the material or product submits to the Traffic Division a sample of the material or product. The sample shall be sufficient to permit performance of all required tests. Approval of such materials or products will be dependent upon a determination as to compliance with the specifications and any test the Department may elect to perform.

Said list of approved prequalified and tested signing and delineation materials and products cover the following traffic control devices:

MATERIAL

Pavement markers, reflective and non-reflective

Temporary pavement markers

Striping and pavement marking tape

Flexible delineators and markers

Channelizers

Sign sheeting materials

Railing and barrier delineators

Traffic cones and reflective cone sleeves

A certificate of Compliance shall be furnished as specified in Section 6-3.05E, "Certificates of Compliance," of the Standard Specifications for signing and delineation products. Said certificate shall also certify that the signing and delineation product conforms to the prequalified testing and approval of the Department of Public Works, Traffic Division and were manufactured in accordance with the approved quality control program.

The Approved Prequalified and Tested Signing and Delineation Materials (also referred to as the "Authorized Materials List" or "Pre-Qualified Products List") are as follows:

PAVEMENT MARKERS, PERMANENT TYPE

Reflective pavement markers:

Apex (4x4)

Ray-O-Lite, Models SS, RS, and AA (4x4)

Stimsonite 88 (4x4)

Reflective pavement markers with abrasion resistant surface:

Stimsonite 911 (4x4)

Stimsonite 944 SB (2x4) - formerly model 947

Stimsonite 948 (2.3x4.7)

Non-reflective pavement markers for use with epoxy or bituminous adhesive:

Apex Universal, Ceramic

Ferro Corporation, Permark (ceramic)

Highway Ceramics Inc., Ceramic Safety

Signs Inc. "Safety Dot" Model SD4 (Polyester)

Traffic Control Signs Co., Titan, TM40WY (Polyester)

Non-reflective pavement markers for use only with bituminous adhesive:

Edco, Models A 1107, AY 1108 (ABS)

Valterra Products - P20-2000W and P20-2001Y (ABS)

PAVEMENT MARKERS, TEMPORARY TYPE

Temporary pavement markers for long-term day/night use (6 months or less):

Astro Optics Model TPM (4x4)

Flex-O-Lite Model RCM (4x4)

]Stimsonite 66 (4x4)

Stimsonite 66GB (Grabber Bottom) (4x4)

Swareflex 35573558 (4x4)

Temporary pavement markers for short-term day/night use (14 days or less):

Astro Optics Model TPM (4x4)

Davidson T.O.M. (Flexible)

Flex-O-Lite Model (RCM) (4x4)

Stimsonite Model 66 (4x4)

Stimsonite 66GB (Grabber Bottom) (4x4)

Swareflex Model 30023004 (4x4)

Swareflex Model 35573558 (4x4)

Valterra Products 12801281 Series (Flexible)

3M Scotch-Lane A200 Pavement Marking System

Temporary pavement markers for short-term day/night use (14 days and less) at seal coat locations:

Davidson T.R.P.M. with Reflexite PC-1000 Sheeting

Valterra Products – 128012

STRIPING AND PAVEMENT MARKING MATERIAL, PERMANENT

Permanent traffic striping and pavement marking tape:

Brite-Line Series 1000

Swarco Industries "Director"

3M Stamark Brand Pliant Polymer Grade Series 5730

3M Stamark Brand Bisymmetric 1.75 Grade Series 5750 (For use on low-volume roadways only)

Temporary removable construction grade striping and pavement marking tape:

Advanced Traffic Marking ATM Series 200

3M Stamark Brand, Detour Grade, Series 5710

Swarco Industries "Director 2"

Temporary non-removable construction grade striping tape:

3M Scotch Lane Brand Construction Grade, Series 5160

ROADSIDE DELINEATORS

One-piece drivable flexible type (48")

All West Plastics "Flexi-Guide 400"

Carsonite Curve-Flex CFRM-400

Carsonite Roadmarker CRM-375

FlexStake H-D Polyform, Inc., "Vista-Flex"

Non-drivable flexible type (48") (For special use only)

Carsonite "Impactor" with 18" soil anchor

Carsonite "Survivor" with 18" U-Channel anchor

Safe-Hit with 8" pavement anchor (SH248-GPR and SHAI-08-PI)

Safe-Hit with 15" soil anchor (SHA5-15C-GL)

Safe-Hit with 18" soil anchor (SH248-GPR and SHA#-18C-PL)

Uticom, U-Post, Series 1200 (Formerly Dura-Hit Mod. PC-5049)

Surface mount flexible type (48")

FlexStake Surface Mount H-D

CHANNELIZERS

Surface mount type (36")

Carsonite "Survivor" Model SMD-353

Carsonite "Super Duck" (Flat SDF-436)(Round SDR-336)

Carsonite Super Duck II "The Channelizer"

FlexStake Surface Mount H-D The Line Connection "Dura-Post"

Repo, Models 300 and 400

Safe-Hit Guide Post with glue down base (SH236SMA)

TRAFFIC CONES

Highway Safety Products 28"

Radiator Specialty Company 28"

Roadmarker Company "Stacker" 42"

Bent Manufacturing Co., "T-Top" 42"

TYPE "K" OBJECT MARKER (18")

Carsonite Models SMD 615 and SMD 615-A

Repo, Models 300 and 400

Safe-Hit Model SH718SMA

TYPE "K-4" OBJECT MARKER (24")

Carsonite, Super Duck II

The Line Connection, "Dura-Post"

Repo, Models 300 and 400

Safe-Hit

CONCRETE MEDIAN BARRIER DELINEATOR

Impactable Type

All West Plastics "Flexi-Guide 235"

Duraflex Corp. "Flexi 2020"

Davidson Portable Concrete Barrier Marker (PCBM-12)

Reflexite Barrier Mount Delineator (Mod. 661-662)

Non-impactable Type

Astro-Optics JD Series

Stimsonite 967

BARRIER DELINEATOR (16" GLUE DOWN TYPE)

Safe-Hit

GUARDRAIL DELINEATOR (27" NAIL ON TYPE)

Carsonite Guardrail Delineator Post (CFGR 427)

Safe-Hit 27-inch Guardrail Delineator

All West Plastics "Flexi-Guide" 327

METAL BEAM GUARDRAIL DELINEATOR

7 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

Add the following paragraphs to section 7-1.02I(2), "Nondiscrimination":

Contractor must comply with section 7-1.02I (2), "Nondiscrimination" of the Standard Specifications, and to the "Standard California Nondiscrimination Construction Contract Specifications" set forth therein.

During the term of the Contract, Contractor and its subcontractors shall not discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, sexual orientation, age, or military and veteran status. Contractor shall comply with Executive Orders 11246, 11375, 11625, 12138, 12432, 12250, 13672, Title VI & VII of the Civil Rights Act of 1964, the California Fair Housing and Employment Act and other applicable Federal, State of California and County laws and regulations and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted. Contractor shall include the nondiscrimination and compliance provisions of this paragraph in all subcontracts to perform work under the contract.

Replace the 2nd and 3rd paragraphs of section 7-1.02K(2), "Wages," with:

Pursuant to section 1773 of the Labor Code, the general prevailing rates of wages in the San Bernardino County have been determined and are listed in the State of California Department of Industrial Relations Director's General Prevailing Wage Determinations

<https://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>).

In addition, these wages are set forth in the General Prevailing Wage Rates included in these Special Provisions. The Contractor and subcontractors shall not pay less than the prevailing wage. Copies of the prevailing wage rates are also on file at the San Bernardino County Department of Public Works Contracts Division office (address identified above) and shall be made available to any interested party on request. A copy of the determination of the Director of prevailing rate of per diem wages shall be posted at each job site. More specifically, the Contractor shall post the general prevailing wage rates at a prominent place at the job site (Labor Code section 1773.2).

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.

The Federal minimum wages for this project as predetermined by the United States Secretary of Labor are set forth in the Federal Minimum Wages included in these Special Provisions and also available on the internet at: <https://www.wdol.gov/>.

Addenda to modify the Federal minimum wage rates, if necessary, will be issued to holders of the Special Provisions for the project.

Attention is directed to the prevailing wage requirements in the Special Provisions. The contractor and subcontractors shall pay not less than the federal minimum wages or the general prevailing wage rates. 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.

LABOR CODE REQUIREMENTS REGARDING REGISTRATION AS CONTRACTOR OR SUBCONTRACTOR REQUIRED PRIOR TO BID PROPOSAL SUBMISSION: Contractor shall comply with Labor Code section 1771.1, including, but not limited to, the following requirements: (1) no contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 (with limited exceptions from

this requirement for bid purposes only under Labor Code section 1771.1(a)); (2) no contractor or subcontractor may be awarded a contract for public work or perform work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5; (3) this Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations; (4) Contractor shall post job site notices regarding compliance monitoring and enforcement by the Department of Industrial Relations; and (5) Contractor must submit certified payroll at least monthly to the Labor Commissioner in a format prescribed by the Labor Commissioner.

As provided in Labor Code section 1771.1:

(a) A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. 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 at the time the contract is awarded.

(b) Notice of the requirement described in subdivision (a) shall be included in all bid invitations and public works contracts, and a bid shall not be accepted nor any contract or subcontract entered into without proof of the contractor or subcontractor's current registration to perform public work pursuant to Section 1725.5.

(c) An inadvertent error in listing a subcontractor who is not registered pursuant to Section 1725.5 in a bid proposal shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive, provided that any of the following apply:

(1) The subcontractor is registered prior to the bid opening

(2) Within 24 hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(3) The subcontractor is replaced by another registered subcontractor pursuant to Section 4107 of the Public Contract Code.

(d) Failure by a subcontractor to be registered to perform public work as required by subdivision (a) shall be grounds under Section 4107 of the Public Contract Code for the contractor, with the consent of the awarding authority, to substitute a subcontractor who is registered to perform public work pursuant to Section 1725.5 in place of the unregistered subcontractor.

(e) The department shall maintain on its Internet Web site a list of contractors who are currently registered to perform public work pursuant to Section 1725.5.

(f) A contract entered into with any contractor or subcontractor in violation of subdivision (a) shall be subject to cancellation, provided that a contract for public work shall not be unlawful, void, or voidable solely due to the failure of the awarding body, contractor, or any subcontractor to comply with the requirements of Section 1725.5 or this section.

(g) If the Labor Commissioner or his or her designee determines that a contractor or subcontractor engaged in the performance of any public work contract without having been registered in accordance with this section, the contractor or subcontractor shall forfeit, as a civil penalty to the state, one hundred dollars (\$100) for each day of work performed in violation of the registration requirement, not to exceed an aggregate penalty of eight thousand dollars (\$8,000) in addition to any penalty registration fee assessed pursuant to clause (ii) of subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(h) (1) In addition to, or in lieu of, any other penalty or sanction authorized pursuant to this chapter, a higher tiered public works contractor or subcontractor who is found to have entered into a subcontract with an unregistered lower tier subcontractor to perform any public work in violation of the requirements of Section 1725.5 or this section shall be subject to forfeiture, as a

civil penalty to the state, of one hundred dollars (\$100) for each day the unregistered lower tier subcontractor performs work in violation of the registration requirement, not to exceed an aggregate penalty of ten thousand dollars (\$10,000).

(2) The Labor Commissioner shall use the same standards specified in subparagraph (A) of paragraph (2) of subdivision (a) of Section 1775 when determining the severity of the violation and what penalty to assess, and may waive the penalty for a first time violation that was unintentional and did not hinder the Labor Commissioner's ability to monitor and enforce compliance with the requirements of this chapter.

(3) A higher tiered public works contractor or subcontractor shall not be liable for penalties assessed pursuant to paragraph (1) if the lower tier subcontractor's performance is in violation of the requirements of Section 1725.5 due to the revocation of a previously approved registration.

(4) A subcontractor shall not be liable for any penalties assessed against a higher tiered public works contractor or subcontractor pursuant to paragraph (1). A higher tiered public works contractor or subcontractor may not require a lower tiered subcontractor to indemnify or otherwise be liable for any penalties pursuant to paragraph (1).

(i) The Labor Commissioner or his or her designee shall issue a civil wage and penalty assessment, in accordance with the provisions of Section 1741, upon determination of penalties pursuant to subdivision (g) and subparagraph (B) of paragraph (1) of subdivision (h). Review of a civil wage and penalty assessment issued under this subdivision may be requested in accordance with the provisions of Section 1742. The regulations of the Director of Industrial Relations, which govern proceedings for review of civil wage and penalty assessments and the withholding of contract payments under Article 1 (commencing with Section 1720) and Article 2 (commencing with Section 1770), shall apply.

(j) (1) Where a contractor or subcontractor engages in the performance of any public work contract without having been registered in violation of the requirements of Section 1725.5 or this section, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractor or the unregistered subcontractor on all public works until the unregistered contractor or unregistered subcontractor is registered. The stop order shall not apply to work by registered contractors or subcontractors on the public work.

(2) A stop order may be personally served upon the contractor or subcontractor by either of the following methods:

(A) Manual delivery of the order to the contractor or subcontractor personally.

(B) Leaving signed copies of the order with the person who is apparently in charge at the site of the public work and by thereafter mailing copies of the order by first class mail, postage prepaid to the contractor or subcontractor at the address on file with either of the following:

(i) The Contractors' State License Board.

(ii) The Secretary of State.

(3) The stop order shall be effective immediately upon service and shall be subject to appeal by the party contracting with the unregistered contractor or subcontractor, by the unregistered contractor or subcontractor, or both. The appeal, hearing, and any further review of the hearing decision shall be governed by the procedures, time limits, and other requirements specified in subdivision (a) of Section 238.1.

(k) Failure of a contractor or subcontractor, owner, director, officer, or managing agent of the contractor or subcontractor to observe a stop order issued and served upon him or her pursuant to subdivision (j) is guilty of a misdemeanor punishable by imprisonment in county jail not exceeding 60 days or by a fine not exceeding ten thousand dollars (\$10,000), or both.

(l) This section shall apply to any bid proposal submitted on or after March 1, 2015, and any contract for public work entered into on or after April 1, 2015. This section shall also apply to the performance of any public work, as defined in this chapter, on or after January 1, 2018, regardless of when the contract for public work was entered.

(m) Penalties received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(n) This section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work.

LABOR CODE REQUIREMENTS FOR ENTITIES HAULING OR DELIVERING READY-MIXED

CONCRETE: Adherence to the prevailing wage requirements found in Labor Code section 1720.9 for the hauling and delivery of ready-mixed concrete is required. This includes, but is not limited to, a requirement for the person or entity that delivers ready-mixed concrete to register with the Department of Industrial Relations (DIR) as specified in Labor Code section 1725.5. For more information, please see the DIR website: <http://www.dir.ca.gov/>.

Replace the paragraphs in section 7-1.02K (3), "Certified Payroll Records (Labor Code § 1776)," with the following:

Keep accurate payroll records.

Submit a copy of your certified payroll records, weekly, including those of subcontractors. Include:

1. Each employee's:

- 1.1. Full name
- 1.2. Address
- 1.3. Social security number
- 1.4. Work classification
- 1.5. Straight time and overtime hours worked each day and week
- 1.6. Actual wages paid for each day to each:
 - 1.6.1. Journeyman
 - 1.6.2. Apprentice
 - 1.6.3. Worker
 - 1.6.4. Other employee you employ for the work
- 1.7. Pay rate
- 1.8. Itemized deductions made
- 1.9. Check number issued

2. Apprentices and the apprentice-to-journeyman ratio

Each certified payroll record must include a Statement of Compliance form signed under penalty of perjury that declares:

1. Information contained in the payroll record is true, correct, and complete
2. Employer has complied with the requirements of sections 1771, 1811, and 1815 for any work performed by his or her employees on the public works project
3. Wage rates paid are at least those required by the Contract.

The Department allows the use of a form with identical wording as the Statement of Compliance form provided by the Department.

Submitted certified payrolls for hauling and delivering ready-mixed concrete must be accompanied by a written time record. The time record must include:

1. Truck driver's full name and address
2. Name and address of the factory or batching plant
3. Time the concrete was loaded at the factory or batching plant
4. Time the truck returned to the factory or batching plant
5. Truck driver's signature certifying under penalty of perjury that the information contained in this written time record is true and correct

Make certified payroll records available for inspection at all reasonable hours at your main office on the following basis:

1. Upon the employee's request or upon request of the employee's authorized representative, make available for inspection a certified copy of the employee's payroll record.
2. Refer the public's requests for certified payroll records to the Department. Upon the public's request, the Department makes available for inspection or furnishes copies of your certified payroll records. Do not give the public access to the records at your main office.

Make all payroll records available for inspection and copying or furnish a copy upon request of a representative of the:

1. Department
2. Division of Labor Standards Enforcement of the Department of Industrial Relations
3. Division of Apprenticeship Standards of the Department of Industrial Relations

Furnish the Department the location of the records. Include the street address, city, and county. Furnish the Department a notification of a location and address change within 5 business days of the change.

Comply with a request for the records within 10 days after you receive a written request. If you do not comply within this period, the Department withholds from progress payments a \$100 penalty for each day or part of a day for each worker until you comply. You are not assessed this penalty for a subcontractor's failure to comply with Labor Code § 1776.

The Department withholds from progress payments for delinquent or inadequate records (Labor Code § 1771.5). If you have not submitted an adequate record by the month's 15th day for the period ending on or before the 1st of that month, the Department withholds up to 10 percent of the monthly progress estimate, exclusive of mobilization. The Department does not withhold more than \$10,000 or less than \$1,000.

Certified payroll records are required to be submitted weekly to the Engineer during the term of construction.

Contractor and subcontractors must furnish electronic certified payroll records directly to the Labor Commissioner (aka Division of Labor Standards Enforcement) pursuant to Labor Code section 1771.1 identified herein.

Delete Section 7-1.02K(6)(j)(ii), titled "Lead Compliance Plan".

Replace items 1, 3 and 4 in the list in the 22nd paragraph of section 7-1.04, "PUBLIC SAFETY," with:

1. Excavations: Where the near edge of the excavation is within 15 feet from the edge of an open traffic lane except:
 - a. Trenches less than 1-foot wide for irrigation pipe or electrical conduit, or excavations less than 1-foot in diameter;

- b. Excavations parallel to the lane for the purpose of pavement widening or reconstruction; and/or
 - c. Excavations within temporary traffic control zones that do not extend beyond a single daylight period, for these zones alternative barrier systems should be considered.
3. Storage areas: When material or equipment is stored within 12 feet of the edge of an open traffic lane and the storage is not otherwise prohibited by the Contract
4. Height differentials: When construction operations create a height differential greater than 1 foot within 15 feet of the edge of traffic lane

Replace the 23rd paragraph of section 7-1.04, "PUBLIC SAFETY," with:

Where lanes are adjacent to the area where the work is being performed or equipment is operated, including shoulders, the adjacent lane must be closed under any of the following conditions unless otherwise provided in the Standard Specifications and these Special Provisions:

1. Work is off the traveled way but within 6 feet of the edge of the traveled way, and the approach speed is greater than 45 miles per hour
2. Work is off the traveled way but within 3 feet of the edge of the traveled way, and the approach speed is less than 45 miles per hour

Add the following sentences to the 25th paragraph of section 7-1.04, "PUBLIC SAFETY":

Type K temporary railing must conform to the provisions in Section 12-3.08, "Type K Temporary Railing," of the Standard Specifications. Type K temporary railing, conforming to the details shown on Standard Plans T3A and T3B or approved equal by the Engineer may be used.

The locations of Type K temporary railing shall be shown on Traffic Control Plans for review and approval by the Engineer. The Contractor must comply with the Traffic Control System section elsewhere in these Special Provisions.

Contractor may propose to the Engineer an alternative to the use of Type K temporary railing and/or crash cushions in areas where the use of these devices is anticipated to be for a relatively short period of time but no more than five working days. Approval of the Engineer for the use of the proposed alternatives shall not relieve the contractor from being solely responsible for any damages resulting from the use of these alternatives in accordance with section 7-1.05A "General" of these Special Provisions.

Reflectors on Type K temporary railing must conform to the provisions in "Prequalified and Tested Materials for Traffic Control Devices" of these Special Provisions. Temporary crash cushion modules must conform to the specifications in section 12-3.15, "TEMPORARY CRASH CUSHION MODULE" of the Standard Specifications.

Add the following paragraph between the 26th and 27th paragraphs of section 7-1.04, "PUBLIC SAFETY":

Open trenches left open overnight must be protected by Type K temporary railing or other approved temporary traffic barrier as determined by the Engineer.

Replace section 7-1.05A, "General," with:

7-1.05A General

Indemnification – To the fullest extent possible permitted by law, Contractor assumes liability for and agrees, at the Contractor's sole cost and expense, to promptly and fully indemnify, defend (with counsel reasonably approved by County) (even if the allegations are false, fraudulent, or groundless), and hold harmless the County and its authorized officers, employees, agents and volunteers (Indemnitees) from and against any and all claims (including claims against the County seeking compensation for labor performed or materials used or furnished to be used in the work or alleged to have been furnished on the project, including all incidental or consequential damages resulting to the County from such claims), allegations, actions, suits, arbitrations, administrative proceedings, regulatory proceedings, or other legal proceedings, demands, losses, costs, damages, judgments, liens, stop notices, penalties, anticipated losses of revenue and/or liability, and expenses (including, but not limited to, any fees of accountants, attorneys, experts or other professionals, or investigation expenses) arising out of, resulting from, or in any way (either directly or indirectly) related to the contract, the work, the project or any breach of the Contract by Contractor (or any of its officers, agents, employees, subcontractors, or any person performing any of the work, or from any cause whatsoever, including the acts, errors or omissions of any person and for any costs or expenses incurred by the Indemnitees on account of any claim except where such indemnification is prohibited by law. This indemnification provision shall apply regardless of the existence or degree of fault of indemnitees. The Contractor's indemnification obligation applies to the Indemnitee's "passive" negligence but does not apply to the Indemnitee's "sole" or "active" negligence or "willful misconduct" within the meaning of Civil Code section 2782 provided such "active" negligence or "willful misconduct" is determined by agreement of the parties or by findings of a court. In instances where an Indemnitee's "active" negligence accounts for only a percentage of the liability for the claim involved, the obligation of the Contractor will be for that entire percentage of liability for the claim not attributable to the "active" negligence or "willful misconduct" of the Indemnitees. The County shall be consulted with regard to any proposed settlement.

The duty of the Contractor to indemnify and hold harmless the Indemnitees includes the separate and independent duty to defend the Indemnitees, which duty arises immediately upon receipt by Contractor of the tender of any claim from the County. The Contractor's obligation to defend the County shall be at Contractor's sole expense, and not be excused because of the Contractor's inability to evaluate liability or because the Contractor evaluates liability and determines that the Contractor is not liable. The duty to defend shall apply whether or not a claim has merit or is meritless, or which involves claims or allegations that any or all of the Indemnitees were actively, passively, or concurrently negligent, or which otherwise asserts that the Indemnitees are responsible, in whole or in part, for any claim. The Contractor shall respond within thirty (30) calendar days to the tender of any claim for defense and/or indemnity by the County, unless the County agrees in writing to an extension of this time. The defense provided to the Indemnitees by Contractor shall be by well qualified, adequately insured, and experienced legal counsel acceptable to the County Counsel.

It is the intent of the parties to the Contract that the Contractor and its subcontractors of all tiers shall provide the Indemnitees with the broadest defense and indemnity permitted by law. In the event that any of the defense, indemnity, or hold harmless provisions are found to be ambiguous, or in conflict with one another, it is the parties' intent that the broadest and most expansive interpretation in favor of providing defense and/or indemnity to the Indemnitees be given effect.

Contractor shall ensure, by written subcontract agreement, that each of Contractor's subcontractors of every tier shall protect, defend, indemnify and hold harmless the Indemnitees with respect to all claims arising out, in connection with, or in any way related to each such subcontractor's work in the same manner in which Contractor is required to protect, defend, indemnify, and hold the Indemnitees harmless. In the event Contractor fails to obtain such defense and indemnity obligations from its subcontractors as required herein, Contractor agrees to be fully responsible to the Indemnitees according to the terms of this Section.

Contractor's indemnification and defense obligations set for in this Section are separate and independent from the insurance requirements and do not limit, in any way, the applicability, scope, or obligations set

forth in such insurance requirements. The purchase of insurance by the Contractor with respect to the obligations required herein shall in no event be construed as fulfillment or discharge of such obligations.

Contractor's obligations under this Section are binding on Contractor's and its subcontractors' successors, heirs and assigns and shall survive the completion of the work or termination of the Contractor's performance of the work.

Replace section 7-1.06 with:

7-1.06 INSURANCE

Additional Insured – All policies, except for the Workers' Compensation, Errors and Omissions and Professional Liability policies, shall contain endorsements naming the **San Bernardino County** (a separate, legal public entity), and the **San Bernardino County Flood Control District** (a separate, legal public entity), collectively referred to in this section as the **County**, and all of their officers, employees, agents and volunteers as additional insureds with respect to liabilities arising out of the performance of services hereunder. Additionally, all policies, except for the Workers' Compensation, Errors and Omissions and Professional Liability policies, shall contain endorsements naming the City of San Bernardino and City of Redlands, and all of their officers, employees, agents and volunteers as additional insureds with respect to liabilities arising out of the performance of services hereunder.

The additional insured endorsements shall not limit the scope of coverage for the County as well as any other entities named herein to vicarious liability but shall allow coverage for the County as well as any other entities named herein to the full extent provided by the policy. Such additional insured coverage shall be at least as broad as Additional Insured (Form B) endorsement form ISO, CG 201011 85.

Waiver of Subrogation Rights – The Contractor shall require the carriers of required coverages to waive all rights of subrogation against the County, its officers, employees, agents, volunteers, contractors and subcontractors, as well as any other entities named herein. All general or auto liability insurance coverage provided shall not prohibit the Contractor and Contractor's employees or agents from waiving the right of subrogation prior to a loss or claim. The Contractor hereby waives all rights of subrogation against the County as well as any other entities named herein.

Policies Primary and Non-Contributory – All policies required herein are to be primary and non-contributory with any insurance or self-insurance programs carried or administered by the County or any other entities named herein.

Severability of Interests – The Contractor agrees to ensure that coverage provided to meet these requirements is applicable separately to each insured and there will be no cross liability exclusions that preclude coverage for suits between the Contractor and the County or between the County and any other insured or additional insured under the policy

Proof of Coverage – The Contractor shall furnish Certificates of Insurance to the County Department administering the contract evidencing the insurance coverage at the time the contract is executed, additional endorsements, as required shall be provided prior to the commencement of performance of services hereunder, which certificates shall provide that such insurance shall not be terminated or expire without thirty (30) days written notice to the Department, and Contractor shall maintain such insurance from the time Contractor commences performance of services hereunder until the completion of such services. Within fifteen (15) days of the commencement of this contract, the Contractor shall furnish a copy of the Declarations page for all applicable policies and will provide complete certified copies of the policies and endorsements immediately upon request.

Acceptability of Insurance Carrier – Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and must have a minimum Best's Insurance Guide rating of "A-" and minimum Financial Size Category of "VII" according to A. M. Best Company, Inc., website <http://www.ambest.com/>. Deductibles and Self-Insured Retention – Any and

all deductibles or self-insured retentions in excess of \$10,000 shall be declared to and approved by Risk Management.

Failure to Procure Coverage – In the event that any policy of insurance required under this contract does not comply with the requirements, is not procured or is canceled and not replaced, the County has the right but not the obligation or duty to cancel the contract or obtain insurance if it deems necessary and any premiums paid by the County will be promptly reimbursed by the Contractor or County payments to the Contractor will be reduced to pay for County purchased insurance.

Insurance Review – Insurance requirements are subject to periodic review by the County. The Director of Risk Management or designee is authorized, but not required, to reduce, waive or suspend any insurance requirements, whenever Risk Management determines that any of the required insurance is not available, is unreasonably priced, or is not needed to protect the interests of the County. In addition, if the Department of Risk Management determines that heretofore unreasonably priced or unavailable types of insurance coverage or coverage limits become reasonably priced or available, the Director of Risk Management or designee is authorized, but not required, to change the above insurance requirements to require additional types of insurance coverage or higher coverage limits, provided that any such change is reasonable in light of past claims against the County, inflation, or any other item reasonably related to the County's risk.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this contract. Contractor agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of the County to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of the County.

The Contractor agrees to provide insurance set forth in accordance with the requirements herein. If the Contractor uses existing coverage to comply with these requirements and that coverage does not meet the specified requirements, the Contractor agrees to amend, supplement or endorse the existing coverage to do so.

Without in anyway affecting the indemnity herein provided and in addition thereto, the Contractor shall secure and maintain throughout the contract term the following types of insurance with limits as shown

Workers' Compensation/Employers Liability – A program of Workers' Compensation insurance or a state-approved self-insurance program in an amount and form to meet all applicable requirements of the Labor Code of the State of California, including Employer's Liability with \$250,000 limits covering all persons including volunteers providing services on behalf of the Contractor and all risks to such persons under this contract.

If Contractor has no employees, it may certify or warrant to the County that it does not currently have any employees or individuals who are defined as "employees" under the Labor Code and the requirement for Workers' Compensation coverage will be waived by the County's Director of Risk Management.

With respect to Contractors that are non-profit corporations organized under California or Federal Law, volunteers for such entities are required to be covered by Workers' Compensation insurance.

Commercial/General Liability Insurance – The Contractor shall carry General Liability Insurance covering all operations performed by or on behalf of the Contractor providing coverage for bodily injury and property damage with minimum combined single limits, per occurrence, as follows:

CONTRACT AMOUNT	MINIMUM COVERAGE
Less than \$1,000,000	\$1,000,000
\$1,000,000 to \$3,000,000	\$3,000,000
\$3,000,000 to \$5,000,000	\$5,000,000
Over \$5,000,000	\$10,000,000

The policy coverage shall include:

- (a) Premises operations and mobile equipment.
- (b) Products and completed operations.
- (c) Broad form property damage (including completed operations).
- (d) Explosion, collapse and underground hazards.
- (e) Personal injury.
- (f) Contractual liability.
- (g) Two million dollars (\$2,000,000) general aggregate limit.

Automobile Liability Insurance – Primary insurance coverage shall be written on ISO Business Auto coverage form for all owned, hired and non-owned automobiles or symbol 1 (any auto). The policy shall have minimum combined single limit for bodily injury and property damage, per occurrence, as follows:

CONTRACT AMOUNT	MINIMUM COVERAGE
Less than \$1,000,000	\$1,000,000
\$1,000,000 to \$3,000,000	\$3,000,000
\$3,000,000 to \$5,000,000	\$5,000,000
Over \$5,000,000	\$10,000,000

If the Contractor is transporting one or more non-employee passengers in performance of contract services, the automobile liability policy shall have a combined single limit of two million dollars (\$2,000,000) for bodily injury and property damage per occurrence.

If the Contractor owns no autos, a non-owned auto endorsement to the General Liability policy described above is acceptable.

Umbrella Liability Insurance – An umbrella (over primary) or excess policy may be used to comply with limits or other primary coverage requirements. When used, the umbrella policy shall apply to bodily injury/property damage, personal injury/advertising injury and shall include a 'dropdown" provision providing primary coverage for any liability not covered by the primary policy. The coverage shall also apply to automobile liability.

Course of Construction/Installation Property Insurance – A policy providing all risk, including theft coverage for all properties and materials to be used on the project. The insurance policy shall not have any coinsurance penalty.

Continuing Products/Completed Operations Liability Insurance – A policy with a limit of not less than five million dollars (\$5,000,000) for each occurrence for at least three years following substantial completion of the work on projects over one million dollars (\$1,000,000).

Subcontractor Insurance Requirements – The Contractor agrees to require all parties or subcontractors, including architects or others it hires or contracts with related to the performance of this contract to provide insurance covering the contracted operations with the basic requirements and the insurance specifications for all contracts as delineated herein, (including waiver of subrogation rights) and naming the County as well as any other entities named herein as additional insureds. The Contractor agrees to monitor and review all such coverage and assumes all responsibility ensuring that such coverage is provided as required herein.

Delete section 7-1.07B, "Seal Coat Claims."

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8 PROSECUTION AND PROGRESS

Replace section 8-1.02, "SCHEDULE" with:

8-1.02 PROGRESS SCHEDULE

After contract award, and prior to construction, the Contractor shall submit to the Engineer a baseline progress schedule as part of the pre-construction submittals. The Contractor shall furnish the schedule in both printed and electronic (Microsoft Excel or equivalent) format. If the Contractor cannot furnish the schedule in Microsoft Excel format, then another format approved by the Engineer shall be used. The schedule shall show the construction activities (including the controlling activity(ies)), order in which the Contractor proposes to carry out the work, the dates on which the Contractor will start the several salient features of the work (including procurement of materials, plant, and equipment), and the contemplated dates for completing those salient features. The progress schedules submitted shall be consistent in all respects with the time and order of work requirements of the contract.

Progress schedule updates are also required to be submitted during construction, within 10 working days of the Engineer's written request. Failure of the Contractor to submit progress schedule updates within the required time frame may result in the withholding of progress payments.

Replace 1st paragraph of section 8-1.03, "PRECONSTRUCTION CONFERENCE," with

After contract award, and prior to construction, a pre-construction conference / meeting will be held at a time and location determined by the Engineer, for the purpose of discussing with the Contractor the scope of work, contract drawings, specifications, existing conditions, materials to be ordered, equipment to be used, utilities, submittals, and all essential matters pertaining to the prosecution of and the satisfactory completion of the project as required. The Contractor's representative at this conference shall include all major superintendents for the work and may include subcontractors.

Replace 8-1.04A, "General," with:

8-1.04A General

After contract award, and prior to the pre-construction conference, the Engineer will issue a Notice to Proceed with Submittals to the Contractor, and the Contractor shall then begin submitting all required submittals necessary to begin work, as listed below. Failure to provide the required submittals within the time frame specified in the Notice to Proceed with Submittals may subject the Contractor to being charged working days for each and every day after the submittal due date.

Prior to construction, the following submittals are required:

1. Approved baseline progress schedule – to be provided at least **5 working days** prior to construction
2. Approved Statement of Compliance with Sections 1509 and 1510 of the CalOSHA Construction Safety Orders
3. Approved Fire Safety Plan
4. Approved Notice to Residents, in English and Spanish
5. Approved Notice of Materials to be Used
6. Approved Subcontracting Request
7. Approved Staging Area

8. Approved Storm Water Pollution Prevention Plan (SWPPP)
9. All required environmental submittals
10. Approved Traffic Control Plan.
11. Valid proof of approved permits, including Encroachment permit from the City, if applicable
12. List of personnel assigned to the project
13. Emergency contact list
14. List of Equipment to be Used, which will include a description of each piece of equipment, the name and model number of each piece of equipment, and a unique ID number for each piece of equipment, which will be stenciled on each piece of equipment.
15. Any other pre-construction submittals deemed necessary by the Engineer.

Replace 8-1.04B, "Standard Start," with:

8-1.04B Standard Start

After the pre-construction conference and prior to construction, the Engineer will issue the Notice to Proceed with Construction to the Contractor. The Contractor shall begin construction work within 15 days (excluding Saturdays, Sundays, and holidays) after Engineer's issuance of the Notice to Proceed with Construction. Issuance of the Notice to Proceed with Construction is at the sole discretion of the County. The First Working Day Designated will be the date of the Notice to Proceed with Construction or the date of beginning construction work, whichever is later. In no case will the First Working Day Designated be later than 15 days after the Notice to Proceed with Construction, excluding Saturdays, Sundays, and holidays. The Department does not adjust time for starting before the First Working Day.

The Contractor shall diligently prosecute the work to completion before the expiration of

ONE HUNDRED TWENTY (120) WORKING DAYS

starting with the First Working Day Designated. (Refer to the definition of "Working Day" in section 1-1.07B of these Special Provisions.) However, as provided in section 8-1.04A, the failure by Contractor to provide the required submittals identified in the Notice to Proceed with Submittals within the time frame specified in the Notice to Proceed with Submittals may subject the Contractor to being charged working days for each day and every day after the submittal due date

Replace 8-1.10A, "General", with:

8-1.10A General

The Department specifies liquidated damages (Pub Cont Code § 10226). Liquidated damages, if any, accrue starting on the 1st day after the expiration of the working days through the day of Contract acceptance except as specified in sections 8-1.10B and 8- 1.10C.

The Department withholds liquidated damages before the accrual date if the anticipated liquidated damages may exceed the value of the remaining work.

The Contractor shall pay the County the sum of

SIX THOUSAND EIGHT HUNDRED DOLLARS (\$6,800) PER DAY

for each and every calendar day's delay in finishing the work in excess of the number of working days prescribed above

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9 PAYMENT

Replace Section 9-1.02D with:

9-1.02D RESERVED

Delete the 11th, 12th, 13th, and 14th paragraphs in section 9-1.03.

Replace the 16th paragraph in section 9-1.03 with

Pay subcontractors within 7 days of receipt of each progress payment under Business and Professions Code section 7108.5.

Replace section 9-1.07 with

9-1.07 RESERVED

Add the following paragraphs to section 9-1.16A

The Contractor shall accept all payments from the Department via electronic funds transfer (EFT) directly deposited into the Contractor's designated checking or other banking account. Contractor shall promptly comply with directions and accurately complete forms provided by the Department required to process EFT payments.

The provisions of Public Contract Code section 20104.50, cited immediately below, dealing with the modification, performance, and payment of public works contracts are incorporated herein.

20104.50.

- (a)(1) It is the intent of the Legislature in enacting this section to require all local governments to pay their contractors on time so that these contractors can meet their own obligations. In requiring prompt payment by all local governments, the Legislature hereby finds and declares that the prompt payment of outstanding receipts is not merely a municipal affair, but is, instead, a matter of statewide concern. (2) It is the intent of the Legislature in enacting this article to fully occupy the field of public policy relating to the prompt payment of local governments' outstanding receipts. The Legislature finds and declares that all government officials, including those in local government, must set a standard of prompt payment that any business in the private sector which may contract for services should look towards for guidance.
- (b) Any local agency which fails to make any progress payment within 30 days after receipt of an undisputed and properly submitted payment request from a contractor on a construction contract shall pay interest to the contractor equivalent to the legal rate set forth in subdivision (a) of Section 685.010 of the Code of Civil Procedure.
- (c) Upon receipt of a payment request, each local agency shall act in accordance with both of the following:
 - (1) Each payment request shall be reviewed by the local agency as soon as practicable after receipt for the purpose of determining that the payment request is a proper payment request.

- (2) Any payment request determined not to be a proper payment request suitable for payment shall be returned to the contractor as soon as practicable, but not later than seven days, after receipt. A request returned pursuant to this paragraph shall be accompanied by a document setting forth in writing the reasons why the payment request is not proper.
- (d) The number of days available to a local agency to make a payment without incurring interest pursuant to this section shall be reduced by the number of days by which a local agency exceeds the seven-day return requirement set forth in paragraph (2) of subdivision (c).
- (e) For purposes of this article:
 - (1) A “local agency” includes, but is not limited to, a city, including a charter city, a county, and a city and county, and is any public entity subject to this part.
 - (2) A “progress payment” includes all payments due contractors, except that portion of the final payment designated by the contract as retention earnings.
 - (3) A payment request shall be considered properly executed if funds are available for payment of the payment request, and payment is not delayed due to an audit inquiry by the financial officer of the local agency.
- (f) Each local agency shall require that this article, or a summary thereof, be set forth in the terms of any contract subject to this article.

Replace the 5th item in following paragraph 1 of section 9-1.16C with

- 5. Stored within the Department and you submit evidence that the stored material is subject to the Department’s control.

Add the following paragraph to section 9-1.16C.

Payment for Materials on Hand, meeting the criteria in this section will be at the sole discretion of the Engineer.

Delete the 2nd paragraph in section 9-1.16D(1).

Replace the third paragraph in section 9-1.16E(1) with

Withholds are not retentions under Public Contract Code § 7107 and do not accrue interest.

Replace section 9-1.16F with

The Department and Contractor acknowledge and agree that Public Contract Code section 7201 applies to all contracts entered into on or after January 1, 2012, between a public entity and an original contractor, between an original contractor and a subcontractor, and between all subcontractors thereunder relating to the construction of any public work of improvement. Pursuant to Public Contract Code section 7201 the Department will retain **5%** of the payments made to Contractor and total retention proceeds withheld by the Department shall not exceed **5%** of the contract price. However, this limitation does not apply to amounts retained by Department in the event of a good faith dispute or as required by law. Contractor shall also comply with Public Contract Code section 7201 in its retention of payments/contract amount to subcontractors.

The retention will be held for 35 days following the recordation of the Notice of Completion, at which time the Department will direct the County Auditor will be directed to release the withheld funds.

Contractor may upon written request, and at its expense deposit substitute securities found in Government Code section 16430 as authorized by the Public Contract Code section 22300 in lieu of retention monies withheld to ensure performance.

Replace 9-1.17D(1) with

After acceptance by the Director, then Engineer will make a proposed final estimate in writing of the total amount payable to the Contractor, including therein an itemization of said amount, segregated as to contract item quantities, extra work and any other basis for payments, and shall also show therein all deductions made or to be made for prior payments and amounts to be kept or retained under the provisions of the contract. All prior estimates and payments shall be subject to correction in the proposed final estimate. The Contractor shall submit written approval of the proposed final estimate, or a written statement of claims as provided below.

On the Contractor's approval, or if he files no claim, the Engineer will issue a final estimate in writing in accordance with the proposed final estimate submitted to the Contractor and within 30 days thereafter the Department will pay the entire sum so found to be due. Such final estimate and payment thereon shall be conclusive and binding against both parties to the contract on all questions relating to the amount of work done and the compensation payable therefor, except as otherwise provided in Sections 9-1.03C, "Records," and 9-1.09, "Clerical Errors."

If the Contractor files a claim(s), the Engineer will issue a semifinal estimate in accordance with the proposed final estimate submitted to the Contractor and within 30 days thereafter the Department will pay the sum so found to be due. Such semifinal estimate and any payment thereon shall be conclusive and binding against both parties to the contract on all questions relating to the amount of work done and the compensation payable therefor, except insofar as affected by the claim(s) filed within the time and in the manner required hereunder and except as otherwise provided in Sections 9-1.03C, "Records," and 9-1.09, "Clerical Errors."

For additional claims procedures and rights under the Public Contract Code, please see 5-1.43E, "Dispute Resolution for Claims subject to Public Contract Code sections 9204, 20104, 20104.2, 20104.4 and/or 20104.6," of these Special Provisions.

The Contractor shall keep full and complete records of the costs and additional time incurred for any work for which a claim for additional compensation is made. The Engineer or any designated claim investigator or auditor shall have access to those records and any other records as may be required by the Engineer to determine the facts or contentions involved in the claims. Failure to permit access to such records shall be sufficient cause for denying the claims.

Any claim for overhead type expenses or costs shall be supported by an audit report of an independent Certified Public Accountant. Any such overhead claim shall also be subject to audit by the Department at its discretion.

Any costs or expenses incurred by the Department in reviewing or auditing any claims that are not supported by the Contractor's cost accounting or other records shall be

deemed to be damages incurred by the Department within the meaning of the California False Claims Act.

Replace section 9-1.17D(2)(a) with
9-1.17D(2)(a) RESERVED

Replace the 6th paragraph in section 9-1.17D(3) with
Failure to comply with the claim procedures is a bar to pursue the claim in a court of law.

Replace section 9-1.22 with
9-1.22 CIVIL ACTION

See Section 5-1.43G, "Civil Action" of these Special Provisions.

AA

DIVISION II GENERAL CONSTRUCTION

10 GENERAL

Replace “Reserved” in section 10-1.02A with:

First Order of Work: You must obtain encroachment permit(s) from [the County of San Bernadino](#).

Second Order of Work: - You must contact the County Surveyors to request survey for horizontal and vertical control staking of the centerline of the roadway at least two (2) weeks before the start of construction.

The purpose for the survey request is for the County Surveyor to provide enough survey data for you to reconstruct the roadway in its current location. The survey data will be provided as follows:

1. Survey stakes will be provided at 50' maximum increments along tangent segments and at 12.5' to 25' maximum increments along horizontal curves, and 25' maximum increments along grade breaks.
2. Additional stakes may be provided at existing edge of pavement returns and other areas as requested by you, subject to the approval of the Engineer.
3. Stakes and marks set by the Engineer must be carefully preserved by you. In case the stakes and marks are destroyed or damaged, the stakes and marks will be replaced at the Engineer's earliest convenience. You will be charged for the cost of necessary replacement or restoration of stakes and marks which in the judgment of the Engineer were carelessly or willfully destroyed or damaged by your operations. This charge will be deducted from any moneys due or to become due you.

Third Order of Work: - [National Trails Highway at Dola ditch bridge and at Lanzit ditch bridge shall be closed to traffic for duration of the project \(120 working days\) or as directed by the engineer. You must prioritize the closure of road on National Trails Highway at these bridges prior to commencing work, advance road closure warning signs and traffic control devices at these bridges shall be shown on traffic control plan and submitted to the Engineer for review and approval. You must inform local area emergency services of planned road closure at these locations, construction access road at road closure locations shall also allow for emergency vehicle access. In case of an emergency, a graded access shall be provided for emergency vehicle use. You must provide keys to any gated access roads if they will be locked during night time or non construction hours when work crews are not present.](#)

Fourth Order of Work: - [Provide potholing data to the Engineer. Data shall include type, size and depth of utility, structural section of area potholed \(i.e. thickness of asphalt and base material and any other identifying information for the utility found.](#)

Add to the end of section 10-5:

This work consists of all operations necessary to control fugitive dust arising from construction operations, and due to any disturbance of natural ground covers resulting therefrom, in compliance with governing EPA and NPDES requirements.

You are responsible for meeting and complying with all of the requirements of the (Mojave or South Coast wherever the project applies) Air Quality Management District's (AQMD) "Rule 403, Fugitive Dust" including, but not limited to, those requirements pertaining to a Large Operation. In addition to providing all required personnel and signage, you are required to provide all mandatory forms, correspondence and recordkeeping information directly to AQMD and provide copies of said items to the Engineer or his authorized representative in a timely manner. You must also submit your proposed program and sign detail to meet the requirements of AQMD "Rule 403, Fugitive Dust" to the Engineer before the start of construction.

Should the County be fined due to your failure to complying with Rule 403 requirements, the amount of any such fines will be withheld from payments due you.

AA

12 TEMPORARY TRAFFIC CONTROL

Add to section 12-1.01:

It is recognized that some conditions may prevail under which you and other agencies may share in responsibilities for the public safety being affected by the work under this contract. It is, however, agreed among the parties that necessary renewal, connection to, and replacement of effective traffic controls normally applied to the pavement must fall within your sole liability.

Replace section 12-3.01D with:

The payment for all temporary traffic control devices, necessary for traffic control plan, listed in section 12-3 is considered included in the payment for traffic control system, unless stated otherwise.

Delete the 3rd paragraph of section 12-3.11B(2)

Replace section 12-3.11C(2) with:

Install stationary-mounted signs as described as described in County Standard Plans 303(a) and 303(b) except:

1. Back braces and blocks for sign panels are not required for signs 48 inches or smaller in width and diamond-shaped signs 48 by 48 inches or smaller.
2. Bottom of the sign panel must be at least 7 feet above the edge of the traveled way.
3. You may install a construction area sign on an above-ground, temporary platform sign support or other support if authorized.

The Engineer determines the post size and number of posts if the type of sign installation is not shown.

Excavate each post hole by hand methods without the use of power equipment. You may use power equipment where you determine that subsurface utilities are not present in the area of the proposed post hole if authorized. Anchor sleeves must be driven into the ground to the depth shown on the aforementioned Std. Dwg. Driving equipment that damages the anchor sleeves must not be used.

The post-hole diameter must be at least 4 inches greater than the longest cross-sectional dimension of the post if it is backfilled with commercial-quality concrete.

Add between the 6th and 7th paragraphs in section 12-3.20C(1):

Reflectors on temporary [barrier system](#) must conform to the provisions in "Approved Traffic Products" found in the green pages of these special provisions.

Delete the definition of *designated* holidays in section 12-4.02A(2)

Add to section 12-4.02A(3)(a):

You must submit a Traffic Control Plan for the entire project limits, for approval by the Engineer at least two weeks (10 working days) before the start of construction. **Replace section 12-4.02C(3)(k) with:**

Replace “Reserved” in section 12-4.02C(3)(l) Complete Conventional Highway Closure Hour Charts with:

Chart No. L1 Complete Conventional Highway Closure Hours																											
County: San Bernardino							Route/Direction: National Trails Highway (Route 66)								Post Mile:2.1 MI E Kelbaker Rd.												
Closure limits: Road closure between Bolo Road and Cadiz Road																											
Hour	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
Mon–Thu	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
Fri	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
Sat	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
Sun	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
Legend:																											
C		Provide at least 1 through traffic lane open in the direction of travel.																									
N		No complete closure allowed																									
REMARKS:																											

Add between the 3rd and 4th paragraphs section 12-6.03C:

Channelizers used for temporary edge line delineation must be surface mounted type and shall be orange in color. Channelizers must be, at your opinion, one of the surface mount types (36") listed in "[Approved Traffic Products](#)" found in the green pages of these special provisions.

Add to the end of section 12-6.03C:

Temporary edge line delineation must be removed when no longer required for the direction of public traffic, as determined by the Engineer.

Replace section 12-6.04 with:

Payment for furnishing, placing, maintaining and removing the temporary pavement delineation, including striping, markings, reflective raised pavement markers, and “no passing” zone signage, will be considered as included in payment for traffic control system.

AA

13 WATER POLLUTION CONTROL

Add to section 13-1.01A:

It is your responsibility to protect the project against the intrusion of water, including groundwater, mud and other deleterious matter.

You are required to schedule the work so that any storm or other waters encountered may proceed without obstruction. The threat of substantial flood runoff in the project area is during the period from

14-11.14D Storage of Treated Wood Waste

Store treated wood waste at the jobsite until transport to the CA permitted disposal site.

Until disposal, store treated wood waste using the following methods:

1. Raise the waste on blocks above a foreseeable run-on elevation and protect it from precipitation for no more than 90 days.
2. Place the waste on a containment surface or pad protected from run-on and precipitation for no more than 180 days.
3. Place the waste in water-resistant containers designed for shipping or solid waste collection for no more than 1 year.
4. Place the waste in a storage building as defined in Health & Safety Code §25230 et seq.

Prevent unauthorized access to treated wood waste using a secure enclosure such as a locked chain-link-fenced area or a lockable shipping container located within the job site.

Resize and segregate treated wood waste at a location where debris including sawdust and chips can be contained. Collect and manage the debris as treated wood waste.

Identify treated wood waste and accumulation areas using water-resistant labels that comply with Health & Safety Code §25230 et seq. Labels must include:

1. The words *TREATED WOOD WASTE Do not burn or scavenge*
2. The words *Caltrans District* and the district number
3. The words *Construction Contract* and the contract number
4. District office address
5. Engineer's name, address, and telephone number
6. Contractor's contact name, address, and telephone number
7. Date placed in storage

14-11.14E Transport and Disposal of Treated Wood Waste

Dispose of treated wood waste within:

1. 90 days of generation if stored on blocks
2. 180 days of generation if stored on a containment surface or pad
3. 1 year of generation if stored in a water-resistant container or within 90 days after the container is full, whichever is shorter
4. 1 year of generation if stored in a storage building as defined in Health & Safety Code §25230 et seq

Before transporting treated wood waste, obtain agreement from the receiving facility that it will accept the waste. Protect shipments of the waste from loss and exposure to precipitation. For projects generating 10,000 lb or more of treated wood waste, request a generator's EPA Identification Number from the Engineer at least 5 business days before the 1st shipment. Each shipment must be accompanied by a shipping record such as a bill of lading or invoice that includes:

1. The words *Caltrans District* and the district number
2. The words *Construction Contract* and the contract number
3. District office address
4. Engineer's name, address, and telephone number
5. Contractor's name, contact person, and telephone number
6. Receiving facility's name and address
7. Description of the waste (e.g., treated wood waste with preservative type if known or unknown/mixture)
8. Project location
9. Estimated weight or volume of the shipment
10. Date accumulation begins
11. Date of transport
12. Name of transporter
13. Date of receipt by the treated wood waste facility
14. Weight of shipment measured by the receiving facility

15. Generator's US EPA Identification Number for projects generating 10,000 lb or more of treated wood waste

The shipping record must be 8-1/2 by 11 inches and a 4-part carbon or carbonless form to provide copies for the Engineer, transporter, and treated wood waste facility.

Transport treated wood waste directly to the CA permitted disposal site after leaving the jobsite. Do not mix treated wood waste from the job site with waste from any other generator.

Dispose of treated wood waste at one of the following:

1. An approved California disposal site operating under a RWQCB permit that includes acceptance of treated wood waste
2. California disposal site operating under a DTSC permit that includes acceptance of treated wood waste

Treated wood waste may be disposed as a hazardous waste at any of the following Resource Conservation and Recovery Act (RCRA) Subtitle C disposal facilities:

1. US Ecology, Beatty, Nevada
2. US Ecology, Grandview, Idaho
3. Chemical Waste Management of the Northwest, Arlington, Oregon

AA

DIVISION III EARTHWORK AND LANDSCAPE

19 EARTHWORK

Add to the end of section 19-3.01A:

Structure backfill includes constructing the geocomposite drain system. The systems must comply with section 68-7.

Add to section 19-3.03B(1):

In making excavations for the project, you must be fully responsible for designing, providing, installing and removing adequate sheet piling, shoring, bracing, lagging, cribbing and piling as may be necessary to prevent slides or cave-ins, and to fully protect from damage all existing improvements of any kind, either on public or private property. All of the foregoing must be at your expense.

Add to section 19-3.04:

Attention is directed to the cross-sections prepared for this project. It is recognized that there are varying methods of construction and that the specific results of site analysis for shoring and protection requirements will impact the total volume of excavation necessary to complete the project. Construction slopes shown on the cross-sections must be considered within the following constraints:

The angles of construction slopes shown are for estimation purposes and actual slopes are to be verified in your design of shoring and trench protection. COMPUTATION OF VOLUMES FOR PAYMENT OF EARTHWORK - Where surfaces of existing ground constitute boundaries for calculation of earthwork quantities for payment, these surfaces will be established by the Engineer from survey data obtained sufficiently close in time to the start of construction to eliminate the probability of major discrepancies.

Surfaces established by these surveys must be the basis for calculation of earthwork quantities for payment.

Add to section 19-5.03B:

In the event excavations become flooded, remove at least the bottom eight inches of soil and replace with or recompact to 95% relative compaction.

Add to section 19-6.02A:

Overexcavated materials can be reused within four feet of the grading plane if the R-value is greater than 50 and Plasticity Index is less than 12%. Otherwise, overexcavated materials cannot be used within four feet of the grading plane.

In locations where structural pavement sections will be constructed atop imported fill, the material placed within four feet of the grading plane should have a minimum R-Value of 50 and a Plasticity Index less than 12%.

During earthwork if the R-value of exposed subgrade soils comes into question, the exposed soils should be sampled and tested to verify that the soils possess the minimum required R-value. If subgrade soils are found to be unsuitable for flexible pavement structural sections, it is recommended to be overexcavated up to four feet below grading plane and replaced with compacted import fill. Compaction of the subgrade should conform to the requirements described in Section 19-5.03.

DIVISION V SURFACINGS AND PAVEMENTS

39 ASPHALT CONCRETE

Replace section 39-2.01C(3)(c) with:

39-2.01C(3)(c) Prime Coat

Apply a slow-setting asphaltic emulsion as a prime coat to AB areas designated by the Engineer and at a spread rate from 0.15 to 0.35 gal/sq yd. Do not apply more prime coat than can be absorbed completely by the AB in 24 hours.

You may modify the prime coat application rates if authorized.

Close areas receiving prime coat to traffic. Do not allow tracking the prime coat onto pavement surfaces beyond the job site.

Replace the 2nd paragraph of section 39-2.01D with:

Payment for prime coat and tack coat is considered included in the payment for hot mix asphalt types shown in the bid item list.

Delete the row for *For RAP Substitution greater than 15%* in the table in item 3 in the list in the paragraph of section 39-2.02A(4)(e).

Replace footnote h for the table in item 3 in the list in the paragraph of section 39-2.02A(4)(e) with:

^hNot required for the following areas in District 8:

1. Riverside County: Route 10, post mile 56.95 to 156.49; Route 111, post mile 0.00 to 28.53
2. San Bernardino County: Route 15, post mile 29.00 to 186.24; Route 40; Route 58; Route 138, post mile 0.00 to 15.20; Route 395

Replace the row for *Moisture susceptibility (min, psi, wet strength)* in the table in item 3 in the list in the paragraph of section 39-2.02A(4)(e) with:

Moisture susceptibility (min, tensile strength ratio)	AASHTO T 283 ⁱ	70
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Delete the row for *For RAP substitution greater than 15%* in the table in the 1st paragraph of section 39-2.02B(2).

Replace footnote e for the table in the 1st paragraph of section 39-2.02B(2) with:

^eNot required for the following areas in District 8:

1. Riverside County: Route 10, post mile 56.95 to 156.49; Route 111, post mile 0.00 to 28.53
2. San Bernardino County: Route 15, post mile 29.00 to 186.24; Route 40; Route 58; Route 138, post mile 0.00 to 15.20; Route 395

Replace the row for *Moisture susceptibility, wet strength* in the table in the 1st paragraph of section 39-2.02B(2) with:

Moisture susceptibility (min, tensile strength ratio)	AASHTO T 283 ^{c,d}	70
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Replace *Reserved* in section 39-2.02B(3) with:

The grade of asphalt binder for Type A HMA must be [PG 70-10](#).

For Type A HMA using RAP substitution of 15 percent or less of the aggregate blend, the grade of the virgin binder must comply with the PG binder grade specified above.

Replace section 39-2.07B(3) with:

39-2.07B(3) Asphalt Binder

The grade of asphalt binder for minor HMA must be [PG 70-10](#).

For minor HMA using RAP substitution of 15 percent or less of the aggregate blend, the grade of the virgin binder must comply with the binder grade specified above.

Replace “Reserved” in section 39-3.03C with:

Before removing the dike, the outside edge of the asphalt concrete to remain in place must be cut to a neat line. The cut must be a minimum depth of 0.17-foot.

The dike must be removed in such a manner so that the surfacing which is to remain in place is not damaged.

You must dispose of the removed asphalt concrete dike.

Add to section 39-3.04C(1):

Cold planing machines must be capable of producing a planed surface with no grooves greater than 3/8-inch in width and 3/16-inch in depth, and must be operated at a speed and in a manner to produce such a surface. The noise level produced by the combined planing operation must not exceed 86 dBA at a distance of 50 feet at right angles to the direction of travel.

Where utility access fixtures exist within the area to be planed, these must be protected from damage. At manhole locations a rectangular pattern of planer cuts must be performed (prior to through planing) to a depth of not less than 0.10-foot and no closer than 1 foot from the outside of the manhole frame. These must be extended far enough to allow meeting the minimum specified depth of cut with the through planing operation. At your option and sole expense, you may arrange with the utility owners to lower manhole frames and covers to clear planing operations. You must lower valve covers, as needed, to clear planing operations.

Planed widths of pavement must be continuous except for intersections at cross streets where the planing must be carried around the corners and through the conform lines.

Add to section 39-3.04C(3):

The material planed from the roadway surface, including material deposited in existing or improved gutters or on the adjacent traveled way, must be removed and disposed of outside the highway right of way in accordance with the provisions in section 14-10 and section 14-11.

Replaced section 39-3.04C(4) with:

Where transverse joints are planed in the pavement at conform lines, no drop-off greater than 0.10-foot must 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 the existing pavement before the pavement is to be opened to public traffic, a temporary asphalt concrete transition must be constructed. Asphalt concrete for a temporary transition must 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 transitions must be commercial quality "hot" or "cold" mix and must be spread and compacted by any method that will produce a smooth riding surface. Temporary asphalt concrete transitions must be completely removed, including the removal of loose material from the underlying surface, before commencing subsequent restoration or paving operations. Such removed material must be disposed of outside the highway right of way in accordance with the provisions in Section 5-1.20B(4), Section 14-10, and Section 14-11.

Add to section 39-3.05A:

The locations of cut lines shown on the plans are approximate only; the exact locations will be determined by the Engineer.

Add to section 39-3.05C:

Surfacing must be removed without damage to surfacing that is to remain in place. Damage to pavement which is to remain in place must be repaired to a condition satisfactory to the Engineer, or the damaged pavement must be removed and replaced with new asphalt concrete if ordered by the Engineer. Repairing or removing and replacing pavement damaged outside the limits of pavement to be replaced will be at your expense and will not be measured nor paid for.

AA

DIVISION VI STRUCTURES

47 EARTH RETAINING SYSTEMS

**Replace section 47-4 with:
47-4 Earth Retaining Structure (Guard Railing)**

47-4.01 General

Section 47-4 includes specifications for constructing an earth retaining system using new posts and rail elements.

Earthwork must comply with section 19-3.

47-4.02 Materials

Hardware and posts, and new rail elements, must comply with section 83.
Posts must be steel.

Filter fabric must be class A, complying with section 96-1.02B.

47-4.03 Construction

Drill or flame cut bolt holes in rail elements a maximum of 1/4-inch larger than the diameter of the bolts. Clean holes and paint cut surfaces with 2 applications of organic zinc-rich primer from the Authorized Material List for organic zinc-rich primers. Do not use aerosol cans.

Install the lower tier of rail elements on a straight grade between posts. Excavate high points of the ground.

47-4.04 Payment

The payment quantity for rail element wall is measured along the outside face of the wall from the bottom of the lowermost rail element to the top of the highest rail element and from end post to end post of the completed wall.

The Department does not adjust payment for your optional substitution of new rail elements.

AA

49 PILING

Add to section 49-1.03:

Expect difficult pile installation due to the conditions shown in the following table:

Pile location		Conditions
Bridge no.	Support location	
County No. 81	Piers 2 and 3	Caving, uncertain water table elevations
County No. 82	Piers 2 and 3	Caving, uncertain water table elevations

Add to section 49-3.02A(1) :

The CIDH concrete piles shown in the following table are specified as end bearing:

Bridge name or no.	Abutment no.	Bent no.
County No. 81	-	Piers 2 and 3
County No. 82	-	Piers 2 and 3

Add to section 49-3.02B(6)(c):

The synthetic slurry must be one of the materials shown in the following table:

Material	Manufacturer
SlurryPro CDP	KB INTERNATIONAL LLC 735 BOARD ST STE 209 CHATTANOOGA TN 37402 (423) 266-6964
Super Mud	PDS CO INC 105 W SHARP ST EL DORADO AR 71731 (870) 863-5707
Shore Pac	CETCO 2870 FORBS AVE HOFFMAN ESTATES IL 60192 (800) 527-9948
Terragel or Novagel Polymer	GEO-TECH SERVICES LLC 220 N. ZAPATA HWY STE 11A-449A LAREDO TX 78043 (210) 259-6386
BIG FOOT	MATRIX CONSTRUCTION PRODUCTS 50 S MAIN ST STE 200 NAPERVILLE IL 60540 (877) 591-3137
POLY-BORE	BAROID INDUSTRIAL DRILLING PRODUCTS 3000 N SAM HOUSTON PKWY EAST HOUSTON TX 77032 (877) 379-7412

Use synthetic slurries in compliance with the manufacturer's instructions. Synthetic slurries shown in the above table may not be appropriate for a given job site.

Synthetic slurries must comply with the Department's requirements for synthetic slurries to be included in the above table. The requirements are available from:

Offices of Structure Design
P.O. Box 168041
MS# 9-4/11G
Sacramento, CA 95816-8041

SlurryPro CDP synthetic slurry must comply with the requirements shown in the following table:

SlurryPro CDP		
Quality characteristic	Test method	Requirement
Density	Mud weight (density), API RP 13B-1, section 4	
During drilling (pcf)		$\leq 67.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity	Marsh funnel and cup. API RP 13B-1, section 6.2	
During drilling (sec/qt)		50–120
Before final cleaning and immediately before placing concrete (sec/qt)		≤ 70
pH	Glass electrode pH meter or pH paper	6.0–11.5
Sand content, percent by volume	Sand, API RP 13B-1, section 9	
Before final cleaning and immediately before placing concrete (%)		≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

Super Mud synthetic slurry must comply with the requirements shown in the following table:

Super Mud		
Quality characteristic	Test method	Requirement
Density	Mud weight (density), API RP 13B-1, section 4	
During drilling (pcf)		$\leq 64.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity	Marsh funnel and cup. API RP 13B-1, section 6.2	
During drilling (sec/qt)		32–60
Before final cleaning and immediately before placing concrete (sec/qt)		≤ 60
pH	Glass electrode pH meter or pH paper	8.0–10.0
Sand content, percent by volume	Sand, API RP 13B-1, section 9	
Before final cleaning and immediately before placing concrete (%)		≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

Shore Pac synthetic slurry must comply with the requirements shown in the following table:

Shore Pac		
Quality characteristic	Test method	Requirement
Density During drilling (pcf)	Mud weight (density), API RP 13B-1, section 4	$\leq 64.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity During drilling (sec/qt)	Marsh funnel and cup. API RP 13B-1, section 6.2	33–132
Before final cleaning and immediately before placing concrete (sec/qt)		≤ 118
pH	Glass electrode pH meter or pH paper	8.0–11.0
Sand content, percent by volume Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 9	≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

Terragel or Novagel Polymer synthetic slurry must comply with the requirements shown in the following table:

Terragel or Novagel Polymer		
Quality characteristic	Test method	Requirement
Density During drilling (pcf)	Mud weight (density), API RP 13B-1, section 4	$\leq 67.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity During drilling (sec/qt)	Marsh funnel and cup. API RP 13B-1, section 6.2	45–104
Before final cleaning and immediately before placing concrete (sec/qt)		≤ 104
pH	Glass electrode pH meter or pH paper	6.0–11.5
Sand content, percent by volume Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 9	≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

BIG-FOOT synthetic slurry must comply with the requirements shown in the following table:

BIG-FOOT

Quality characteristic	Test method	Requirement
Density During drilling (pcf)	Mud weight (density), API RP 13B-1, section 4	$\leq 64.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity During drilling (sec/qt)	Marsh funnel and cup. API RP 13B-1, section 6.2	30–125
Before final cleaning and immediately before placing concrete (sec/qt)		55–114
pH	Glass electrode pH meter or pH paper	8.5–10.5
Sand content, percent by volume Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 9	≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

POLY-BORE synthetic slurry must comply with the requirements shown in the following table:

POLY-BORE

Quality characteristic	Test method	Requirement
Density During drilling (pcf)	Mud weight (density), API RP 13B-1, section 4	62.8–65.8 ^a
Before final cleaning and immediately before placing concrete (pcf)		62.8–64.0 ^a
Viscosity During drilling (sec/qt)	Marsh funnel and cup. API RP 13B-1, section 6.2	50–80
Before final cleaning and immediately before placing concrete (sec/qt)		50–80
pH	Glass electrode pH meter or pH paper	7.0–10.0
Sand content, percent by volume Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 9	≤ 1.0

NOTE: Slurry temperature must be at least 40 °F when tested.

^aIf authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

Add to section 49-3.02C(1):

If the piling center-to-center spacing is less than 4 pile diameters, do not drill holes or drive casing for an adjacent pile until 24 hours have elapsed after concrete placement in the preceding pile and your prequalification test results for the concrete mix design show that the concrete will attain at least 1800 psi compressive strength at the time of drilling or driving.

Add to section 49-3.02C(4):

If the hole is drilled below the specified tip elevation shown, the reinforcement must extend to within 3 inches of the bottom of the drilled hole for the piles that are specified as end bearing.

AA

60 EXISTING STRUCTURES

Add to section 60-2.01A:

Remove the following structures or portions of structures:

Bridge no./Structure name	Description of work
54C0285/Dola Ditch Bridge	Remove bridge, abutments, and foundations
54C0286/Lanzit Ditch Bridge	Remove bridge, abutments, and foundations

[Dispose of the treated wood per section 14-11.14.](#)

AA

DIVISION VIII MISCELLANEOUS CONSTRUCTION

72 SLOPE PROTECTION

Add to section 72-2.02A:

[Existing RSP may be reused if the gradation conforms to the corresponding rock gradation per section 72-2.02B.](#)

AA

78 INCIDENTAL CONSTRUCTION

Add to section 78-2.01:

You must request the County Surveyor to conduct a monument review survey at least two (2) weeks before the start of construction to facilitate preservation of existing survey monumentation.

The County Surveyor will provide you with locations of survey monuments before paving and will file the required pre-construction documentation. Monuments not disturbed or destroyed during normal construction activities which are within 0.20' of the existing surface before construction must be left exposed at the completion of the paving project. You must install self-adhesive "I.D.Locators", or equivalent markers approved by the engineer, over monuments before paving and remove the markers at the completion of the paving.

The County Surveyor will reset or replace any survey monumentation located by the pre-construction survey which is destroyed or disturbed by normal construction activities associated with the project, and file the required documentation.

You must preserve and protect in place any established survey monumentation, when it is possible to do so. In areas of pavement removal where monuments are disturbed or damaged during construction, and the monuments have been located and referenced by a pre-construction survey, you must remove the

If any survey monumentation is disturbed or destroyed through your negligence, or by reason of your failure to conform to requirements of this section, the survey monumentation must be replaced or restored by the County Surveyor at your expense.

DIVISION IX TRAFFIC CONTROL DEVICES

82 SIGNS AND MARKERS

Replace Item 1 in the 2nd paragraph of section 82-2.02A:

1. Phrase *County of San Bernardino*.

Replace section 82-5.05F with:

Reflectors on target plates must be Type VII sheeting on the Approved Traffic Products List found in the green pages of these special provisions.

A A

83 RAILINGS AND BARRIERS

Replace section 83-2.01 B with:

83-2.01B Minor Concrete Vegetation Control

83-2.01B(1) General

83-2.01B(1)(a) Summary

Section 83-2.01B includes specifications for constructing minor concrete vegetation control around railing and barrier posts.

Constructing minor concrete vegetation control includes clearing and excavation.

83-2.01B(1)(b) Definitions

Not Used

83-2.01B(1)(c) Submittals

Submit a mix design for the minor concrete to be used for vegetation control. The mix design must show proportions of:

1. Coarse aggregate
2. Fine aggregate
3. Cementitious material
4. Reinforcing fiber
5. Water

Include compressive strength test results with the mix design.

Submit a certificate of compliance for the crumb rubber aggregate, if used. Include the quantity in pounds of crumb rubber.

83-2.01B(1)(d) Quality Assurance

Not Used

83-2.01B(2) Materials

83-2.01B(2)(a) General

Not Used

83-2.01B(2)(b) Minor Concrete

83-2.01B(2)(b)(i) General

Concrete for vegetation control must comply with the specifications for minor concrete, except the concrete:

1. Must include reinforcing fibers
2. May include crumb rubber aggregate
3. Must contain:
 - 3.1. At least 505 pounds of cementitious material per cubic yard, if crumb rubber aggregate is used
 - 3.2. At least 400 pounds of cementitious material per cubic yard, if crumb rubber aggregate is not used
4. Must have a maximum aggregate size of 3/8 inch

All ingredients must be added at the concrete plant before delivery to the job site.

You may use volumetric proportioning complying with ASTM C685/C685M or as specified.

The minor concrete must have a 28-day compressive strength from 1,400 to 2,500 psi.

83-2.01B(2)(b)(ii) Crumb Rubber Aggregate

Crumb rubber aggregate must consist of ground or granulated scrap tire rubber from automobile and truck tires. Do not use tire buffings.

Crumb rubber aggregate must be ground and granulated at ambient temperature.

The crumb rubber aggregate gradation must comply with the requirements shown in the following table:

Gradation Requirements	
Sieve size	Percentage passing
1/2"	100
3/8"	90–100
1/4"	35–45
No. 4	5–15
No. 8	0–5
No. 16	0

Crumb rubber aggregate must not contain more than 0.01 percent of wire by mass and must be free of oils and volatile organic compounds.

Do not commingle crumb rubber from different sources.

The crumb rubber aggregate must be 3.5 ± 0.5 percent by weight of the concrete.

83-2.01B(2)(b)(iii) Reinforcing Fibers

Reinforcing fibers for minor concrete must be:

1. Manufactured specifically for use as concrete reinforcement from one of the following:
 - 1.1. Polypropylene, polyethylene, or a combination of both.
 - 1.2. Copolymer of polypropylene and polyethylene.
2. Blended ratio from 4 to 5.67 parts by weight of macro synthetic fibers to 1 part by weight of micro synthetic fibers. Synthetic fibers must be:
 - 2.1. Nonfibrillated macro fibers with individual fiber lengths less than $2 \pm 1/2$ inches.
 - 2.2. Fibrillated or monofilament micro fibers of various lengths and thicknesses.
3. Supplied in sealed, degradable bags of appropriate size for adding whole bags to concrete batches.
4. From a commercial source.

The reinforcing fiber content of the minor concrete must be from 5 to 6 lb/cu yd.

83-2.01B(2)(b)(iv) Coloring Agent

Not Used

The coloring agent must be integral to the concrete mix and added at the concrete plant.

83-2.01B(2)(c) Block-Out Material

The block-out material must be a commercially available expanded polystyrene foam with a compressive strength of 13 ± 5 psi at 10 percent deformation when tested under ASTM D1621.

If authorized, you may substitute an alternative block-out material that complies with the compressive strength requirements of the expanded polystyrene foam.

83-2.01B(2)(d) Backfill Material

Backfill material must be Class 2 aggregate base complying with section 26.

83-2.01B(3) Construction

83-2.01B(3)(a) General

Not Used

83-2.01B(3)(b) Clearing

Clear areas to receive minor concrete vegetation control of vegetation, trash, and debris. Dispose of the removed material.

83-2.01B(3)(c) Earthwork

Excavate or backfill areas to receive minor concrete vegetation control.

If the minor concrete vegetation control abuts the existing surfacing, and the edge of the existing surfacing is not on a neat line, cut the surfacing on a neat line to a minimum depth of 2 inches before removing the surfacing.

Perform grading so that the finished elevation of the minor concrete vegetation control maintains the existing or planned flow lines, slope gradients, contours, and existing surfacing.

Grade the areas to receive minor concrete vegetation control to a smooth, uniform surface and compact to a relative compaction of at least 90 percent.

83-2.01B(3)(d) Block Outs

For block-out material supplied in more than 1 piece, tape the pieces together to make a smooth surface on the top and sides.

Ensure that the block-out material does not move during concrete placement.

83-2.01B(3)(e) Forming

Forming must comply with section 73-1.03C.

Leave forms in place for at least 12 hours after surface finishing.

83-2.01B(3)(f) Minor Concrete

Strike off and compact the minor concrete until a layer of mortar is brought to the surface. Match the finished grade to the adjacent section of minor concrete vegetation control, pavement, shoulder, or existing grade.

Construct contraction joints by scoring concrete with a grooving tool and rounding corners with an edger tool.

If the curing compound method is used for colored concrete, use curing compound no. 6.

83-2.01B(3)(g) Backfill Material

Backfill material required for minor concrete vegetation control under existing guardrail or barrier is change order work. Excavate or backfill areas to receive vegetation control.

83-2.01B(4) Payment

Not Used

Replace item 1 in the list in the 2nd paragraph of section 83-2.02C(1)(a) with:

1. [Wood](#) line posts.

Replace item 2 in the list in the 2nd paragraph of section 83-2.02C(1)(a) with:

2. Wood blocks for line posts.

Add to section 83-2.02C(1)(a):

The exposed bolt threads on guardrail beyond the nut that are more than 0.5 inch must be cut off.

Replace section 83-2.02C(3) with:

83-2.02C(3) Type WB-31 Transition Railings

The offset from the face of the Type WB-31 transition railing to the hinge point must be at least 3'-6".

The offset from the face of the adjacent midwest guardrail system to the hinge point must be transitioned from the offset at the Type WB-31 transition railing to 4'-0" using a ratio of 6:1.

Add to section 83-3.01A:

[Paint barrier white must comply with section 78-4.03](#)

Replace section 83-2.04B with:

83-2.04B [Alternative In-Line](#) Terminal Systems

83-2.04B(1) General

83-2.04B(1)(a) Summary

Section 83-2.04B includes specifications for constructing Type CAT terminal systems.

83-2.04B(1)(b) Definitions

Not Used

83-2.04B(1)(c) Submittals

Submit a certificate of compliance for [Alternative In-Line](#) terminal systems.

83-2.04B(1)(d) Quality Assurance

Not Used

83-2.04B(2) Materials

[In-line terminal systems must be on the Department Authorized Material List or be an approved equal, must meet MASH TL-4 standards, and must comply with the details shown in the plans.](#)

83-2.04B(3) Construction

Install [Alternative In-Line](#) terminal systems under the manufacturer's instructions.

[Identify each terminal system by painting the type of terminal system in 2-inch-high, neat, black letters and figures on the backside of the rail element between system posts number 4 and 5.](#)

[Install Type P\(CA\) retroreflective material on impact heads of in-line terminal systems.](#)

83-2.04B(4) Payment

Payment for Type P(CA) retroreflective material placed on impact heads of terminal systems is included in the payment for the in-line terminal systems.

AA

84 MARKINGS

Replace the 4th paragraph of section 84-2.02B with:

High-performance glass beads must be Visibead or equivalent.

Replace the 4th paragraph of section 84-9.03A with:

The removal of traffic stripes and pavement markings must result in complete removal to the extent that changing light conditions and/or wet pavement conditions must not produce an image of the removed device. You must extend grinding or sandblasting, beyond the edges of the stripes or markings being removed, sufficiently to eliminate such imaging. Make any area removed by grinding rectangular. Water must not puddle in the ground areas. Fog seal ground or sandblasted areas on asphalt concrete pavement.

Replace section 84-9.03B with:

84-9.03B Remove Traffic Stripes and Pavement Markings Containing Lead

Residue from the removal of painted or thermoplastic traffic stripes and pavement markings contains lead from the paint or thermoplastic. The average lead concentrations are less than 1,000 mg/kg total lead and 5 mg/L soluble lead. This residue:

1. Is a nonhazardous waste
2. Does not contain heavy metals in concentrations exceeding the thresholds established by the Health and Safety Code and 22 CA Code of Regs
3. Is not regulated under the Federal Resource Conservation and Recovery Act (RCRA), 42 USC § 6901 et seq.

Management of this material exposes workers to health hazards that must be addressed in your lead compliance plan.

Replace the 1st paragraph of section 84-9.04 with:

The payment quantity for remove traffic stripe is the measured length multiplied by:

1. 1 for single 4-inch-wide traffic stripe
2. 1.5 for single 6-inch-wide traffic stripe
3. 2 for single 8-inch-wide traffic stripe
4. 2 for double traffic stripe

General Prevailing Wage Rates
(Blue Pages)

inserted here

Index 2023-2 Southern California basic trade journeyman rates

General prevailing wage determinations
made by the director of industrial relations

Pursuant to California Labor Code part 7,
chapter 1, article 2, sections 1770, 1773, and 1773.1

Determination	Holidays, scope of work, travel & subsistence	Predetermined increase
Asbestos Worker, Heat and Frost Insulator (d) <small>Asbestos Worker, Heat and Frost Insulator (d) is a journeyman rate for workers who install, maintain, repair, or remove asbestos-containing materials. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to perform asbestos abatement work.</small>	Select One ▾	Increase
Asbestos and Lead Abatement (Laborer) (e) <small>Asbestos and Lead Abatement (Laborer) (e) is a journeyman rate for workers who perform asbestos and lead abatement work. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to perform asbestos abatement work.</small>	Select One ▾	Increase
Building/Construction Inspector and Field Soils and Material Tester + <small>Building/Construction Inspector and Field Soils and Material Tester + is a journeyman rate for workers who perform inspection and testing work. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to perform inspection and testing work.</small>	Select One ▾	Increase
Carpenter <small>Carpenter is a journeyman rate for workers who perform carpentry work. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to perform carpentry work.</small>	Select One ▾	Increase
Cement Mason <small>Cement Mason is a journeyman rate for workers who perform masonry work. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to perform masonry work.</small>	Select One ▾	Increase
Cranes, Pile Driver and Hoisting Equipment (Operating Engineer) + <small>Cranes, Pile Driver and Hoisting Equipment (Operating Engineer) + is a journeyman rate for workers who operate cranes, pile drivers, and hoisting equipment. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to operate cranes, pile drivers, and hoisting equipment.</small>	Select One ▾	Increase
Dredger (Operating Engineer) (e) <small>Dredger (Operating Engineer) (e) is a journeyman rate for workers who operate dredges. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to operate dredges.</small>	Select One ▾	Increase
Drywall Installer (Carpenter) <small>Drywall Installer (Carpenter) is a journeyman rate for workers who install drywall. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to install drywall.</small>	Select One ▾	Increase
Elevator Constructor (e) <small>Elevator Constructor (e) is a journeyman rate for workers who construct elevators. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to construct elevators.</small>	Select One ▾	Increase
Fence Builder (Carpenter) (e) <small>Fence Builder (Carpenter) (e) is a journeyman rate for workers who build fences. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to build fences.</small>	Select One ▾	Increase
Fire Safety and Miscellaneous Sealing (e) + <small>Fire Safety and Miscellaneous Sealing (e) + is a journeyman rate for workers who perform fire safety and miscellaneous sealing work. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to perform fire safety and miscellaneous sealing work.</small>	Select One ▾	No increase *
Gunite Worker (Laborer) (e) <small>Gunite Worker (Laborer) (e) is a journeyman rate for workers who perform gunite work. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to perform gunite work.</small>	Select One ▾	Increase
Horizontal Directional Drilling (Laborer)(e) <small>Horizontal Directional Drilling (Laborer)(e) is a journeyman rate for workers who perform horizontal directional drilling work. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to perform horizontal directional drilling work.</small>	Select One ▾	Increase
Housemover (Laborer) <small>Housemover (Laborer) is a journeyman rate for workers who move houses. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to move houses.</small>	Select One ▾	Increase
Laborer <small>Laborer is a journeyman rate for workers who perform general labor work. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to perform general labor work.</small>	Select One ▾	Increase
Landfill Worker (Operating Engineer) (e) <small>Landfill Worker (Operating Engineer) (e) is a journeyman rate for workers who operate landfill equipment. This rate applies to workers who are employed by a contractor or subcontractor who is licensed by the State of California to operate landfill equipment.</small>	Select One ▾	Increase

Landscape Irrigation Laborer	Select One ▼	Increase
Landscape Maintenance Laborer (e)	Select One ▼	No increase *
Landscape Operating Engineer (e)	Select One ▼	Increase
Light Fixture Maintenance	Select One ▼	No increase *
Modular Furniture Installer (Carpenter) (e)	Select One ▼	Increase
Operating Engineer +	Select One ▼	Increase
Parking and Highway Improvement (Striping, slurry & seal coat operations-Laborer) (e)	Select One ▼	Increase
Teamster +	Select One ▼	Increase
Tree Maintenance (Laborer) (e)	Select One ▼	Increase
Tunnel Worker (Laborer)	Select One ▼	Increase
Tunnel (Operating Engineer) +	Select One ▼	Increase

Return to main table

+ Includes shift pay determinations.

* A single asterisk after the expiration date of a determination indicates that no increase is required for projects advertised while that determination is in effect. The determination remains in effect until it is canceled, modified, or superseded by a new determination by the Director of Industrial Relations. A new determination will become effective 10 days after it is issued. Contact the Office of the Director - Research Unit at (415) 703-4774 after 10 days from the expiration date, if no subsequent determination is issued.

d. Includes San Diego County; excludes Mono County.

e. Includes San Diego County.

To view the above current prevailing wage determinations, current predetermined increases, and the current holiday, advisory scope of work, and travel and subsistence provisions for each craft, you must first download a free copy of the Adobe Acrobat Reader available by clicking on the icon below:



GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Asbestos Worker, Heat and Frost Insulator #

Determination:

SC-3-5-1-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X)	Daily Overtime Hourly Rate (2 X)	Saturday Overtime Hourly Rate (1 ½ X)	Saturday Overtime Hourly Rate (2 X)	Sunday/ Holiday Overtime Hourly Rate
Mechanic	\$52.83 ^a	\$11.78 ^b	\$8.12 ^c	\$3.98	\$1.89	\$0.00	8.0	\$78.60	\$105.015 ^d	\$131.43 ^e	\$105.015 ^f	\$131.43 ^e	\$131.43 ^g

Determination:

SC-3-5-3-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

Wages and Employer Payments:

Classification	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X)	Saturday Overtime Hourly Rate (1 ½ X)	Sunday/ Holiday Overtime Hourly Rate
Hazardous Material Handler Mechanic	\$30.00 ^h	\$6.88 ⁱ	\$6.17	\$0.00	\$0.82	\$0.00	8.0	\$43.87	\$58.87	\$58.87	\$58.87 ^j

Note:

Asbestos removal workers must be trained and the work conducted according to the Code of Federal Regulations 29 CFR 1926.58, the California Labor Code 6501.5 and the California Code of Regulations, Title 8, Section 5208. Contractors must be certified by the Contractors' State License Board and registered with the Division of Occupational Safety and Health (DOSH). For further information, contact the Asbestos Contractors' Registration Unit, DOSH at (916) 574-2993.

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Includes 5.5% of employee's gross wage for dues/service fee check-off plus \$0.25 for supplemental dues.

^b Includes \$0.01 for Occupational Health Plan.

^c Pursuant to Labor Code Sections 1773.1 and 1773.8, the amount paid for the employer payment may vary resulting in a lower taxable Basic Hourly Rate, but the Total Hourly Rates for Straight Time and Overtime may not be less than the general prevailing rate of per diem wages.

^d Rate applies to the first 2 overtime hours. Applies to all daily overtime hours on maintenance and asbestos abatement projects.

^e Rate applies to all other Daily and Saturday overtime hours.

^f Rate applies to first 8 hours worked on new construction. Applies to all Saturday hours on maintenance and asbestos abatement projects.

^g \$184.26 per hour for work on Labor Day. For maintenance and asbestos abatement projects, Sundays and observed holidays may be worked at the time and one half rate.

^h Includes 5.5% of employee's gross wage for dues/service fee check-off plus \$0.06 for supplemental dues.

ⁱ Includes \$0.40 for medical monitoring in compliance with industry regulations procedures and \$0.01 for Occupational Health Plan.

^j \$103.87 per hour for work on Labor Day.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Asbestos and Lead Abatement (Laborer)

Determination:

SC-102-882-1-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification (Journeyman)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other ^b	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X)	Saturday Overtime Hourly Rate ^c (1 ½ X)	Sunday/ Holiday Overtime Hourly Rate (2 X)
Asbestos and Lead Abatement Worker	\$41.38	\$8.95	\$11.62	\$5.02	\$0.80	\$0.51	8	\$68.28	\$88.97	\$88.97	\$109.66

Note:

Asbestos Abatement must be trained and the work conducted according to the Code of Federal Regulations 29 CFR 1926.58, the California Labor Code 6501.5 and the California Code of Regulations Title 8, Section 5208. Contractors must be certified by the Contractors' State License Board and registered with the Division of Occupational Safety and Health (DOSH). For further information, contact the Asbestos Contractors Abatement Registration Unit, DOSH at (916) 574-2993.

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the

[Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

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^a Includes an amount for supplemental dues.

^b Includes amounts for Center for Contract Compliance, Contract Administration Fund, Industry Fund, and Laborers' Trust Administrative Trust Fund.

^c Saturdays in the same work week may be worked at straight-time if the job is shut down during the normal work week due to inclement weather, or reasons beyond the control of the employer.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIAL TESTER[#]

Determination:

SC-23-63-2-2023-2D

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification ^a (Journey person)	Basic Hourly Rate	Health and Welfare	Pension ^b	Vacation and Holiday ^c	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^d (1½ x)	Saturday Overtime Hourly Rate ^e (1½ x)	Sunday/ Holiday Overtime Hourly Rate (2 x)
Group 1	\$56.68	\$12.85	\$14.65	\$3.85	\$1.05	\$0.41	8	\$89.49	\$117.830	\$117.830	\$146.170
Group 2	\$58.46	\$12.85	\$14.65	\$3.85	\$1.05	\$0.41	8	\$91.27	\$120.500	\$120.500	\$149.730
Group 3	\$60.46	\$12.85	\$14.65	\$3.85	\$1.05	\$0.41	8	\$93.27	\$123.500	\$123.500	\$153.730

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIAL TESTER#
(SPECIAL SHIFT)**

Determination:
SC-23-63-2-2023-2D

Issue Date:
August 22, 2023

Expiration date of determination:
June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:
All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification ^a (Journeyman)	Basic Hourly Rate	Health and Welfare	Pension ^b	Vacation and Holiday ^c	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^d (1½ x)	Saturday Overtime Hourly Rate ^e (1½ x)	Sunday/ Holiday Overtime Hourly Rate (2 x)
Group 1	\$57.68	\$12.85	\$14.65	\$3.85	\$1.05	\$0.41	8	\$90.49	\$119.330	\$119.330	\$148.170
Group 2	\$59.46	\$12.85	\$14.65	\$3.85	\$1.05	\$0.41	8	\$92.27	\$122.000	\$122.000	\$151.730
Group 3	\$61.46	\$12.85	\$14.65	\$3.85	\$1.05	\$0.41	8	\$94.27	\$125.000	\$125.000	\$155.730

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIAL TESTER #
(MULTI-SHIFT)**

Determination:
SC-23-63-2-2023-2D

Issue Date:
August 22, 2023

Expiration date of determination:
June 30, 2024**The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:
All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification ^a (Journey person)	Basic Hourly Rate	Health and Welfare	Pension ^b	Vacation and Holiday ^c	Training	Other	Hours ^f	Total Hourly Rate	Daily Overtime Hourly Rate ^d (1½ x)	Saturday Overtime Hourly Rate ^e (1½ x)	Sunday/ Holiday Overtime Hourly Rate (2 x)
Group 1	\$57.68	\$12.85	\$14.65	\$3.85	\$1.05	\$0.41	8	\$90.49	\$119.330	\$119.330	\$148.170
Group 2	\$59.46	\$12.85	\$14.65	\$3.85	\$1.05	\$0.41	8	\$92.27	\$122.000	\$122.000	\$151.730
Group 3	\$61.46	\$12.85	\$14.65	\$3.85	\$1.05	\$0.41	8	\$94.27	\$125.000	\$125.000	\$155.730

Recognized holidays:
Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Classifications:

Group 1

Field Soils and Materials Tester
Field Asphaltic Concrete (Soils and Materials Tester)
Field Earthwork (Grading Excavation and Filling)
Roof Inspector
Water Proofer

Group 2

AWS-CWI Welding Inspector
Building/Construction Inspector
Licensed Grading Inspector
Reinforcing Steel
Reinforced Concrete
Pre-Tension Concrete

Post-Tension Concrete
Structural Steel and Welding Inspector
Glue-Lam and truss Joints
Truss-Type Joint Construction
Shear Wall and Floor System used as diaphragms
Concrete batch Plant
Spray-Applied Fireproofing
Structural masonry

Group 3

Nondestructive Testing (NDT)
Unmanned Aircraft Systems (UAS Drones) Operator (when used in conjunction with field soils and material testing – building/construction inspection

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a For classifications within each group, see Page 4.

^b Includes an amount for Annuity.

^c Includes an amount withheld for supplemental dues.

^d Rate applies to the first 4 overtime hours. All other daily overtime is paid at the Sunday rate.

^e Rate applies to the first 12 hours worked. All other time is paid at the Sunday rate.

^f The Third Shift shall work 6.5 hours, exclusive of meal period, for which 8 hours straight-time shall be paid at the non-shift rate, Monday through Friday.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Carpenter and Related Trades[#]

Determination:

SC-23-31-2-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara, and Ventura counties.

Wages and Employer Payments:

Classification (Journeyman)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other ^b	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^c	Saturday Overtime Hourly Rate (1 ½ X) ^d	Sunday/ Holiday Overtime Hourly Rate (2 X)
Carpenter ^{e f} , Cabinet Installer, Insulation Installer, Hardwood Floor Worker, Acoustical Installer	\$48.86	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$74.57	\$99.00	\$99.00	\$123.43
Pile Driveman ^g , Derrick Bargeman, Rockslinger, Bridge or Dock Carpenter, Cable Splicer	\$48.99	\$8.25	\$5.91	\$7.39	\$0.72	\$3.49	8.0	\$74.75	\$99.245	\$99.245	\$123.74
Bridge Carpenter ^e	\$48.99	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$74.70	\$99.195	\$99.195	\$123.69
Shingler ^e	\$48.99	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$74.70	\$99.195	\$99.195	\$123.69
Saw Filer	\$48.95	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$74.66	\$99.135	\$99.135	\$123.61
Table Power Saw Operator	\$48.96	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$74.67	\$99.15	\$99.15	\$123.63
Pneumatic Nailer or Power Stapler	\$49.11	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$74.82	\$99.375	\$99.375	\$123.93

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other ^b	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^c	Saturday Overtime Hourly Rate (1 ½ X) ^d	Sunday/ Holiday Overtime Hourly Rate (2 X)
Roof Loader of Shingles	\$34.20	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$59.91	\$77.01	\$77.01	\$94.11
Scaffold Builder	\$40.77	\$8.25	\$5.91	\$7.43	\$0.72	\$2.94	8.0	\$66.02	\$86.405	\$86.405	\$106.79
Millwright ^e	\$49.36	\$8.25	\$5.91	\$7.39	\$0.72	\$3.64	8.0	\$75.27	\$99.95	\$99.95	\$124.63
Head Rockslinger	\$49.09	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$74.80	\$99.345	\$99.345	\$123.89
Rock Bargeman or Scowman	\$48.89	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$74.60	\$99.045	\$99.045	\$123.49
Diver, Wet (Up To 50 Ft. Depth) ^h	\$105.98 ⁱ	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$131.69	\$184.68	\$184.68	\$237.67
Diver, (Stand-By) ^h	\$52.99 ⁱ	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$78.70	\$105.195	\$105.195	\$131.69
Diver's Tender ^h	\$51.99	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$77.70	\$103.695	\$103.695	\$129.69
Assistant Tender (Diver's) ^h	\$48.99	\$8.25	\$5.91	\$7.39	\$0.72	\$3.44	8.0	\$74.70	\$99.195	\$99.195	\$123.69

Determination:

SC-31-741-1-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

May 31, 2024* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for the new rates after ten days after the expiration date if no subsequent determination is issued.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X)	Saturday Overtime Hourly Rate (1 ½ X) ^j	Holiday Overtime Hourly Rate (2 X)
Terrazzo Installer	\$44.34	\$8.25	\$5.91	\$4.69	\$0.62	8.0	\$63.81	\$85.980	85.980	108.150
Terrazzo Finisher	\$37.84	\$8.25	\$5.91	\$4.69	\$0.62	8.0	\$57.31	\$76.23	\$76.23	\$95.15

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Includes an amount for supplemental dues.

^b Includes an amount for Annuity.

^c All overtime worked Mon - Fri shall be paid at 1 1/2 times the straight time rate for the first four (4) hours and double (2x) the straight time for work performed after twelve (12) hours.

^d First eight (8) hours worked paid at 1 1/2 times the straight time rate, all hours after that paid at double (2x) the straight time rate. Saturdays in the same work week may be worked at straight-time rates if a job is shut down during the normal work week due to inclement weather, major mechanical breakdown or lack of materials beyond the control of the Employer.

^e When performing welding work requiring certification, classification will receive an additional \$1.00 per hour.

^f A Carpenter who performs work of forming in the construction of open cut sewers or storm drains shall receive a premium of thirteen cents (\$0.13) per hour in addition to his Carpenter's scale. This premium shall apply only on an operation in which horizontal lagging is used in conjunction with Steel H-Beams driven or placed in pre-drilled holes, for that portion of a lagged trench against which concrete is poured, namely, as a substitute for back forms, which work is performed by pile drivers.

^g When performing welding work requiring certification, classification will receive an additional \$1.00 per hour. An additional \$0.50 per hour when handling or working with new pressure-treated creosote piling or timber, or driving of used pressure-treated creosote piling.

^h Shall receive a minimum of 8 hours pay for any day or part thereof.

ⁱ For specific rates over 50 ft depth, contact the Office of the Director – Research Unit. Rates for Technicians, Manifold Operators, Pressurized Submersible Operators, Remote Control Vehicle Operators, and Remote Operated Vehicle Operators, as well as rates for Pressurized Bell Diving and Saturation Diving are available upon request.

^j Saturdays in the same work week may be worked at straight-time rates if a job is shut down during the normal work week due to inclement weather, major mechanical breakdown or lack of materials beyond the control of the Employer. Work on Sunday, if it is the 7th consecutive workday, shall be paid at double (2x) the straight-time rate.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Cement Mason[#]

Determination:

SC-23-203-2-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara, and Ventura Counties.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^b	Saturday Overtime Hourly Rate (1 ½ X) ^b _c	Sunday/ Holiday Overtime Hourly Rate (2 X)
Cement Mason, Curb and Gutter Machine Operator; Clary and Similar Type of Screed Operator (Cement only); Grinding Machine Operator (all types); Jackson Vibratory, Texas Screed and Similar Type Screed Operator; Scoring Machine Operator	\$44.00	\$8.50	\$10.63	\$7.34	\$0.64	\$0.24	8.0	\$71.35	\$93.35	\$93.35	\$115.35
Magnesite, magnesite-terrazzo and mastic composition, Epoxy, Urethanes and exotic coatings, Dex-O-Tex	\$44.12	\$8.50	\$10.63	\$7.34	\$0.64	\$0.24	8.0	\$71.47	\$93.53	\$93.53	\$115.59

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^b	Saturday Overtime Hourly Rate (1 ½ X) ^b _c	Sunday/ Holiday Overtime Hourly Rate (2 X)
Floating and Troweling Machine Operator	\$44.25	\$8.50	\$10.63	\$7.34	\$0.64	\$0.24	8.0	\$71.60	\$93.725	\$93.725	\$115.85

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Includes an amount for supplemental dues.

^b Rate applies to the first 4 daily overtime hours and the first 12 hours worked on Saturday. All other time is paid at the double time (2X) rate.

^c Saturday in the same work week may be worked at straight-time rate, up to 8 hours on Saturday or when the employee has worked a total of 40 hours in the work week, if it is not reasonably possible for any individual employee on a particular job site to complete 40 hours of work on a 8 hour day, Monday through Friday, due to inclement weather or similar act of God or a situation beyond the control of the contractor.

GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: CRANES, PILE DRIVER AND HOISTING EQUIPMENT (OPERATING ENGINEER) #

Determination:

SC-23-63-2-2023-2B

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journey person)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^c (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group 1	\$57.25	8	\$90.06	\$118.685	\$118.685	\$147.310
Group 2	\$58.03	8	\$90.84	\$119.855	\$119.855	\$148.870
Group 3	\$58.32	8	\$91.13	\$120.290	\$120.290	\$149.450
Group 4	\$58.46	8	\$91.27	\$120.500	\$120.500	\$149.730
Group 5	\$58.68	8	\$91.49	\$120.830	\$120.830	\$150.170
Group 6	\$58.79	8	\$91.60	\$120.995	\$120.995	\$150.390
Group 7	\$58.91	8	\$91.72	\$121.175	\$121.175	\$150.630
Group 8	\$59.08	8	\$91.89	\$121.430	\$121.430	\$150.970
Group 9	\$59.25	8	\$92.06	\$121.685	\$121.685	\$151.310
Group 10	\$60.25	8	\$93.06	\$123.185	\$123.185	\$153.310
Group 11	\$61.25	8	\$94.06	\$124.685	\$124.685	\$155.310
Group 12	\$62.25	8	\$95.06	\$126.185	\$126.185	\$157.310
Group 13	\$63.25	8	\$96.06	\$127.685	\$127.685	\$159.310

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$12.85
Pension ^d	\$14.65
Vacation and Holiday ^e	\$3.85
Training	\$1.05
Other	\$0.41

GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: CRANES, PILE DRIVER AND HOISTING EQUIPMENT
(OPERATING ENGINEER, SPECIAL SHIFT) #**

Determination:

SC-23-63-2-2023-2B

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journey person)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^c (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group 1	\$58.25	8	\$91.06	\$120.185	\$120.185	\$149.310
Group 2	\$59.03	8	\$91.84	\$121.355	\$121.355	\$150.870
Group 3	\$59.32	8	\$92.13	\$121.790	\$121.790	\$151.450
Group 4	\$59.46	8	\$92.27	\$122.000	\$122.000	\$151.730
Group 5	\$59.68	8	\$92.49	\$122.330	\$122.330	\$152.170
Group 6	\$59.79	8	\$92.60	\$122.495	\$122.495	\$152.390
Group 7	\$59.91	8	\$92.72	\$122.675	\$122.675	\$152.630
Group 8	\$60.08	8	\$92.89	\$122.930	\$122.930	\$152.970
Group 9	\$60.25	8	\$93.06	\$123.185	\$123.185	\$153.310
Group 10	\$61.25	8	\$94.06	\$124.685	\$124.685	\$155.310
Group 11	\$62.25	8	\$95.06	\$126.185	\$126.185	\$157.310
Group 12	\$63.25	8	\$96.06	\$127.685	\$127.685	\$159.310
Group 13	\$64.25	8	\$97.06	\$129.185	\$129.185	\$161.310

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$12.85
Pension ^d	\$14.65
Vacation and Holiday ^e	\$3.85
Training	\$1.05
Other	\$0.41

GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: CRANES, PILE DRIVER AND HOISTING EQUIPMENT
(OPERATING ENGINEER, MULTI-SHIFT) #**

Determination:

SC-23-63-2-2023-2B

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024**The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journey person)	Basic Hourly Rate	Hours ^f	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^c (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group 1	\$58.25	8	\$91.06	\$120.185	\$120.185	\$149.310
Group 2	\$59.03	8	\$91.84	\$121.355	\$121.355	\$150.870
Group 3	\$59.32	8	\$92.13	\$121.790	\$121.790	\$151.450
Group 4	\$59.46	8	\$92.27	\$122.000	\$122.000	\$151.730
Group 5	\$59.68	8	\$92.49	\$122.330	\$122.330	\$152.170
Group 6	\$59.79	8	\$92.60	\$122.495	\$122.495	\$152.390
Group 7	\$59.91	8	\$92.72	\$122.675	\$122.675	\$152.630
Group 8	\$60.08	8	\$92.89	\$122.930	\$122.930	\$152.970
Group 9	\$60.25	8	\$93.06	\$123.185	\$123.185	\$153.310
Group 10	\$61.25	8	\$94.06	\$124.685	\$124.685	\$155.310
Group 11	\$62.25	8	\$95.06	\$126.185	\$126.185	\$157.310
Group 12	\$63.25	8	\$96.06	\$127.685	\$127.685	\$159.310
Group 13	\$64.25	8	\$97.06	\$129.185	\$129.185	\$161.310

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$12.85
Pension ^d	\$14.65
Vacation and Holiday ^e	\$3.85
Training	\$1.05
Other	\$0.41

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Classifications:

Group 1

Engineer Oiler

Group 2

Truck Crane Oiler

Group 3

A-Frame or Winch Truck Operator
Ross Carrier Operator (Jobsite)

Group 4

Bridge-Type Unloader and Turntable Operator
Helicopter Hoist Operator
Ojjo Earth Truss Driver Machine Operator or similar types
Snobble Unit (pin-n-go or similar type)

Group 5

Hydraulic Boom Truck/Knuckleboom
Stinger Crane (Austin-Western or similar type)
Tugger Hoist Operator (1 drum)

Group 6

Bridge Crane Operator
Cretor Crane Operator
Hoist Operator (Chicago Boom and similar type)
Lift Mobile Operator
Lift Slab Machine Operator (Vagtborg and similar types)
Material Hoist and/or Manlift Operator
Polar Gantry Crane Operator
Prentice Self-Loader
Self Climbing Scaffold (or similar type)

Shovel, Dragline, Clamshell Operator (over ¾ yd and up to 5 cu yds, M.R.C.)

Silent Piler

Tugger Hoist Operator (2 drum)

Group 7

Pedestal Crane Operator
Shovel, Dragline, Clamshell Operator (over 5 cu yds, M.R.C.)
Tower Crane Repairman
Tugger Hoist Operator (3 drum)

Group 8

Crane Operator (up to and including 25 ton capacity)
Crawler Transporter Operator
Derrick Barge Operator (up to and including 25 ton capacity)
Hoist Operator, Stiff Legs, Guy Derrick or similar type (up to and including 25 ton capacity)
Rotational Telehandler Operator
Self-Propelled Modular Transporter (Schuerle, Goldhofer or similar types)
Shovel, Dragline, Clamshell Operator (over 7 cu yds M.R.C.)

Group 9

Crane Operator (over 25 tons, up to and including 50 ton M.R.C.)
Derrick Barge Operator (over 25 tons, up to and including 50 ton M.R.C.)
Highline Cableway Operator

Hoist Operator, Stiff Legs, Guy Derrick or similar type (over 25 tons, up to and including 50 ton M.R.C.)

K-Crane

Polar Crane Operator

Self Erecting Tower Crane Operator Maximum Lifting Capacity ten (10) tons

Group 10

ABI/IFundex Machine

Crane Operator (over 50 tons, up to and including 100 ton M.R.C.)

Derrick Barge Operator (over 50 tons, up to and including 100 ton M.R.C.)

Hoist Operator, Stiff Legs, Guy Derrick or similar type (over 50 tons, up to and including 100 ton M.R.C.)

Mobile Tower Crane Operator (over 50 tons, up to and including 100 ton M.R.C.)

Shovel, Dragline, Clamshell Operator (over 10 cu. yds.)

Group 11

Crane Operator (over 100 tons, up to and including 200 ton M.R.C.)

Derrick Barge Operator (over 100 tons, up to and including 200 ton M.R.C.)

Hoist Operator, Stiff Legs, Guy Derrick or similar type (over 100 tons, up to and including 200 ton M.R.C.)

Mobile Tower Crane Operator (over 100 tons, up to and including 200 ton M.R.C.)

Tower Crane Operator and Tower Gantry

Group 12

Crane Operator (over 200 tons, up to and including 300 ton M.R.C.)

Derrick Barge Operator (over 200 tons, up to and including 300 ton M.R.C.)

Hoist Operator, Stiff Legs, Guy Derrick or similar type (over 200 tons, up to and including 300 ton M.R.C.)

Mobile Tower Crane Operator (over 200 tons, up to and including 300 ton M.R.C.)

Group 13

Crane Operator (over 300 tons)

Derrick Barge Operator (over 300 tons)

Helicopter Pilot

Hoist Operator, Stiff Legs, Guy Derrick or similar type (over 300 tons)

Hydraulically Controlled Lift Gantry Operator BCR Lift System (over 300 tons)

Mobile Tower Crane Operator (over 300 tons)

MISCELLANEOUS PROVISIONS:

1. Operators on hoists with three drums shall receive fifty cents (50¢) per hour additional pay to the regular rate of pay. The additional pay shall be added to the regular rate and become the base rate for the entire shift.
2. All heavy duty repairman and heavy duty combination shall receive one dollar (\$1.00) per hour tool allowance in addition to their regular rate of pay and this shall become their base rate of pay.
3. Employees required to suit up and work in a hazardous material environment, shall receive two dollars per hour in addition to their regular rate of pay, and that rate shall become the basic hourly rate of pay.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a For classifications within each group, see Pages 4 and 5.

^b Rate applies to the first 4 overtime hours. All other daily overtime is paid at the Sunday rate.

^c Rate applies to the first 12 hours worked. All other time is paid at the Sunday rate.

^d Includes an amount for Annuity.

^e Includes an amount withheld for supplemental dues.

^f The Third Shift shall work 6.5 hours, exclusive of meal period, for which 8 hours straight-time shall be paid at the non-shift rate, Monday through Friday.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Dredger (Operating Engineer)*

Determination:

SC-63-12-23-2023-2

Issue Date:

August 22, 2023

Expiration date of determination:

July 31, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director – Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Ventura counties.

Wages and Employer Payments:

Classification	Basic Hourly Rate	Health and Welfare	Pension ^a	Vacation and Holiday ^b	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^c	Saturday Overtime Hourly Rate (1 ½ X) ^c	Sunday Overtime Hourly Rate (2 X)	Holiday Overtime Hourly Rate (3X)
Chief Engineer, Deck Captain	\$61.10	\$12.85	\$15.15	\$7.15	\$1.05	\$0.15	8	\$97.45	\$128.000	\$128.000	\$158.55	\$219.65
Leverman	\$64.10	\$12.85	\$15.15	\$7.15	\$1.05	\$0.15	8	\$100.45	\$132.500	\$132.500	\$164.55	\$228.65
Watch Engineer, Deckmate	\$58.02	\$12.85	\$15.15	\$7.15	\$1.05	\$0.15	8	\$94.37	\$123.380	\$123.380	\$152.39	\$210.41
Winchman (Stern Winch on Dredge)	\$57.47	\$12.85	\$15.15	\$7.15	\$1.05	\$0.15	8	\$93.82	\$122.555	\$122.555	\$151.29	\$208.76
Fireman-Oiler, Leveehand, Deckhand (can operate anchor scow under direction of mate), Bargeman	\$56.93	\$12.85	\$15.15	\$7.15	\$1.05	\$0.15	8	\$93.28	\$121.745	\$121.745	\$150.21	\$207.14

Classification	Basic Hourly Rate	Health and Welfare	Pension ^a	Vacation and Holiday ^b	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^c	Saturday Overtime Hourly Rate (1 ½ X) ^c	Sunday Overtime Hourly Rate (2 X)	Holiday Overtime Hourly Rate (3X)
Dozer Operator	\$58.13	\$12.85	\$15.15	\$7.15	\$1.05	\$0.15	8	\$94.48	\$123.545	\$123.545	\$152.61	\$210.74
Hydrographic Surveyor	\$59.56	\$12.85	\$15.15	\$7.15	\$1.05	\$0.15	8	\$95.91	\$125.690	\$125.690	\$155.47	\$215.03
Barge Mate	\$57.54	\$12.85	\$15.15	\$7.15	\$1.05	\$0.15	8	\$93.89	\$122.660	\$122.660	\$151.43	\$208.97
Welder	\$59.52	\$12.85	\$15.15	\$7.15	\$1.05	\$0.15	8	\$95.87	\$125.630	\$125.630	\$155.39	\$214.91

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

MISCELLANEOUS PROVISION:

Employees required to suit up and work in a hazardous material environment, shall receive Two Dollars (\$2.00) per hour in addition to their regular rate of pay, and that rate shall become the basic hourly rate of pay.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Includes an amount for annuity.

^b Includes an amount for supplemental dues.

^c Rate applies to the first 4 daily overtime hours and first 12 hours on Saturdays. All other time is paid at the Sunday overtime rate.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Drywall Installer/Lather (Carpenter)[#]

Determination:

SC-31-X-41-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura counties.

Wages and Employer Payments:

Classification (Journeyman)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other ^b	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^c	Saturday Overtime Hourly Rate (1 ½ X) ^c	Sunday/ Holiday Overtime Hourly Rate (2 X)
Drywall Installer/Lather	\$48.86	\$8.25	\$5.91	\$7.39	\$0.72	\$3.77	8.0	\$74.90	\$99.33	\$99.33	\$123.76

Determination:

SC-31-X-41-2023-1A

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director - Research Unit (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura counties

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^c	Saturday Overtime Hourly Rate (1 ½ X) ^c	Sunday/ Holiday Overtime Hourly Rate (2 X)
Stocker, Scrapper	\$20.15	\$4.25	\$0.00	\$8.39	\$0.72	\$0.00	8.0	\$33.51	\$43.585	\$43.585	\$53.66

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Includes an amount per hour worked for supplemental dues.

^b Includes an amount for Annuity.

^c Rate applies to the first 4 daily overtime hours and to the first 8 hours on Saturday. All other overtime will be paid the Sunday and Holiday double time rate. Saturdays in the same workweek may be worked at straight-time if job is shut down during the normal work week due to inclement weather.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Elevator Constructor[#]

Determination:

SC-62-X-999-2023-1

Issue Date:

February 22, 2023

Expiration date of determination:

December 31, 2023** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-477.

Localities:

All localities within Imperial, Los Angeles, Orange, Riverside, San Diego, Santa Barbara and Ventura counties. Portions of Kern, San Bernardino and San Luis Obispo counties are detailed below ^a.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension ^b	Vacation and Holiday ^c	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^d	Saturday Overtime Hourly Rate (1 ½ X) ^d	Sunday/ Holiday Overtime Hourly Rate
Mechanic	\$63.95	\$16.075	\$20.56	\$5.81	\$0.70	\$1.00	8.0	\$108.095	\$140.070	\$140.070	\$172.045
Mechanic (employed in industry more than 5 years)	\$63.95	\$16.075	\$20.56	\$7.09	\$0.70	\$1.00	8.0	\$109.375	\$141.350	\$141.350	\$173.325
Helper ^e	\$44.77	\$16.075	\$20.56	\$4.07	\$0.70	\$1.00	8.0	\$87.175	\$109.560	\$109.560	\$131.945
Helper (employed in industry more than 5 years) ^e	\$44.77	\$16.075	\$20.56	\$4.96	\$0.70	\$1.00	8.0	\$88.065	\$110.450	\$111.450	\$132.835

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Applies to that portion of these counties south of the Tehachapi Line. For more information contact the Office of the Director – Research Unit.

^b Includes an amount for Annuity Trust Fund.

^c Includes an amount for 8 paid holidays.

^d For Contract Service work only. All other overtime is paid at the Sunday/Holiday rate.

^e Ratio: The total number of Helpers employed shall not exceed the number of Mechanics on any one job. When removing old and installing new cables on existing elevator installations, the Company may use two (2) Helpers, Apprentices or Assistant Mechanics to one (1) Mechanic. Two (2) Helpers, Apprentices or Assistant Mechanics to each three (3) Mechanics may be employed in Contract Service work only. For more information on the use of Helpers, contact the Office of the Director – Research Unit.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Fence Builder (Carpenter)#

Determination:

SC-23-31-20-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Ventura counties.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday	Training	Other ^a	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^b	Saturday Overtime Hourly Rate (1 ½ X) ^c	Sunday/ Holiday Overtime Hourly Rate
Fence Builder	\$45.29	\$8.25	\$5.75	\$7.14	\$0.67	\$2.33	8.0	\$69.43	\$92.075	\$92.075	\$114.72

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Includes an amount for Annuity.

^b Rate applies to the first 4 overtime hours. All other time is paid at the Sunday and Holiday overtime hourly rate.

^c Saturdays in the same work week may be worked at straight-time for the first 8 hours if the job is shut down during the normal work week due to inclement weather, or reasons beyond the control of the employer.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Fire Safety and Miscellaneous Sealing

Determination:

SC-3-5-4-2021-1

Issue Date:

August 22, 2021

Expiration date of determination:

August 31, 2022* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Division of Labor Statistics and Research at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Ventura counties.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate ^d	Health and Welfare ^e	Pension	Vacation and Holiday	Other	Hours	Total Hourly Rate	Daily and Saturday Overtime Hourly Rate (1 ½ X) ^a	Sunday/ Holiday Overtime Hourly Rate (2 X)	Sunday/ Holiday Overtime Hourly Rate (3 X) ^b
Asbestos Worker, Fire Safety Technician – Class I (0-2000 hrs) ^c	\$19.60	\$10.01	\$0.00	\$0.90	\$0.05	8.0	\$30.56	\$40.36	\$50.16	\$69.76
Asbestos Worker, Fire Safety Technician – Class II (2001-4000 hrs) ^c	\$25.18	\$10.01	\$0.00	\$1.26	\$0.05	8.0	\$36.50	\$49.09	\$61.68	\$86.86
Asbestos Worker, Fire Safety Technician – Class III (4001-6000 hrs) ^c	\$27.73	\$10.01	\$8.12	\$1.33	\$0.05	8.0	\$47.24	\$61.105	\$74.97	\$102.70
Asbestos Worker, Fire Safety Technician – Class IV (6001 or more hrs) ^c	\$32.09	\$10.01	\$8.12	\$1.53	\$0.05	8.0	\$51.80	\$67.845	\$83.89	\$115.98

Wages and Employer Payments (Shift):

Classification (Journey person) (Shift)	Basic Hourly Rate ^d	Health and Welfare ^e	Pension	Vacation and Holiday	Other	Hours	Total Hourly Rate	Daily and Saturday Overtime Hourly Rate (1 ½ X) ^f	Sunday/ Holiday Overtime Hourly Rate (2 X)	Sunday/ Holiday Overtime Hourly Rate (3 X) ^b
Asbestos Worker, Fire Safety Technician – Class I (0-2000 hrs) ^c	\$19.60	\$10.01	\$0.00	\$0.90	\$0.05	^g	\$30.56	\$40.36	\$50.16	\$69.76
Asbestos Worker, Fire Safety Technician – Class II (2001-4000 hrs) ^c	\$25.18	\$10.01	\$0.00	\$1.26	\$0.05	^g	\$36.50	\$49.09	\$61.68	\$86.86
Asbestos Worker, Fire Safety Technician – Class III (4001-6000 hrs) ^c	\$27.73	\$10.01	\$8.12	\$1.33	\$0.05	^g	\$47.24	\$61.105	\$74.97	\$102.70
Asbestos Worker, Fire Safety Technician – Class IV (6001 or more hrs) ^c	\$32.09	\$10.01	\$8.12	\$1.53	\$0.05	^g	\$51.80	\$67.845	\$83.89	\$115.98

Determination:

SC-204-X-18-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

August 31, 2024* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Ventura counties.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate ^d	Health and Welfare	Pension	Vacation and Holiday ^h	Training	Other	Hours	Total Hourly Rate	Daily and Saturday Overtime Hourly Rate (1 ½ X) ⁱ	Sunday/ Holiday Overtime Hourly Rate (2 X)	Sunday/ Holiday Overtime Hourly Rate (3 X) ^b
Plumber, Fire Safety Technician – Class I (0-2000 hrs) ^c	\$23.47	\$8.45	\$0.00	\$0.00	\$0.10	\$1.85	8.0	\$33.87	\$45.605	\$57.34	\$80.81
Plumber, Fire Safety Technician – Class II (2001-4000 hrs) ^c	\$30.05	\$8.45	\$0.00	\$0.00	\$0.10	\$1.85	8.0	\$40.45	\$55.475	\$69.815	\$98.495
Plumber, Fire Safety Technician – Class III (4001-6000 hrs) ^c	\$33.57	\$8.45	\$7.77	\$0.00	\$0.10	\$1.85	8.0	\$51.74	\$68.525	\$84.375	\$116.075
Plumber, Fire Safety Technician – Class IV (6001 or more hrs) ^c	\$38.60	\$8.45	\$7.77	\$0.00	\$0.10	\$1.85	8.0	\$56.77	\$76.07	\$93.935	\$129.665

Wages and Employer Payments (Shift):

Classification (Journey person) (Shift)	Basic Hourly Rate ^d	Health and Welfare	Pension	Vacation and Holiday ^h	Training	Other	Hours	Total Hourly Rate	Daily and Saturday Overtime Hourly Rate (1 ½ X) ⁱ	Sunday/ Holiday Overtime Hourly Rate (2 X)	Sunday/ Holiday Overtime Hourly Rate (3 X) ^b
Plumber, Fire Safety Technician – Class I (0-2000 hrs) ^c	\$24.64	\$8.45	\$0.00	\$0.00	\$0.10	\$1.85	8.0	\$35.04	\$47.36	\$59.68	\$84.32
Plumber, Fire Safety Technician – Class II (2001-4000 hrs) ^c	\$31.48	\$8.45	\$0.00	\$0.00	\$0.10	\$1.85	8.0	\$41.88	\$57.62	\$72.675	\$102.785
Plumber, Fire Safety Technician – Class III (4001-6000 hrs) ^c	\$35.16	\$8.45	\$7.77	\$0.00	\$0.10	\$1.85	8.0	\$53.33	\$70.91	\$87.555	\$120.845
Plumber, Fire Safety Technician – Class IV (6001 or more hrs) ^c	\$40.39	\$8.45	\$7.77	\$0.00	\$0.10	\$1.85	8.0	\$58.56	\$78.755	\$97.515	\$135.035

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

^a Rate applies to the first 2 daily overtime hours and the first 8 hours worked on Saturday. All other overtime is at the Sunday & Holiday rate.

^b No work shall be performed on Labor Day, except in special cases of extreme emergency and then only when triple (3) times is paid.

^c The 1st man on a job site shall be a Class IV Fire Safety Technician. A Class IV must be on a job site at all times.

^d Includes an amount per hour worked for Administrative Dues.

^e Includes an amount for Occupational Health and Research.

^f Rate applies to the first 2.5 daily overtime hours on the 2nd shift; first 3 daily overtime hours on the 3rd shift; and the first 7.5 hours (2nd shift) and first 7 hours (3rd shift) worked on Saturday. All other overtime is at the Sunday & Holiday rate.

^g When 2 or 3 shifts are employed, the 2nd shift shall work 7.5 hours for 8 hours pay; the 3rd shift shall work 7 hours for 8 hours pay.

^h Vacation/Holiday is included in the Basic Hourly Rate (no Vacation/Holiday amount for Class I Technician only) and shall be paid at time and one half for all overtime hours.

ⁱ Rate applies to the first 2 daily overtime hours and the first 10 hours worked on Saturday. All other overtime is at the Sunday & Holiday rate.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Gunitite Worker (Laborer)

Determination:

SC-102-345-1-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Ventura counties.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate ^a	Health and Welfare	Pension	Vacation and Holiday ^b	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^c	Daily Overtime Hourly Rate (2 X)	Saturday Overtime Hourly Rate (1 ½ X) ^{d e}	Saturday Overtime Hourly Rate (2 X) ^e	Sunday/ Holiday Overtime Hourly Rate (2 X)
Ground Wire Man, Nozzleman, Rodman	\$51.10	\$8.95	\$8.80	\$6.35	\$0.09	8.0	\$75.29	\$100.84	\$126.39	\$100.84	\$126.39	\$126.39
Gunman	\$50.15	\$8.95	\$8.80	\$6.35	\$0.09	8.0	\$74.34	\$99.415	\$124.49	\$99.415	\$124.49	\$124.49
Reboundman	\$46.61	\$8.95	\$8.80	\$6.35	\$0.09	8.0	\$70.80	\$94.105	\$117.41	\$94.105	\$117.41	\$117.41
Entry-Level Gunitite Worker Step 1 ^f (0-1000 hours)	\$33.46	\$5.88	\$8.80	\$6.35	\$0.06	8.0	\$54.55	\$71.28	\$88.01	\$71.28	\$88.01	\$88.01
Entry-Level Gunitite Worker Step 2 ^f (1001- 2000 hours)	\$35.46	\$5.88	\$8.80	\$6.35	\$0.06	8.0	\$56.55	\$74.28	\$92.01	\$74.28	\$92.01	\$92.01

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

^a Employees working from a Bos'n's Chair or suspended from a rope or cable shall receive \$0.40/hour above this rate.

^b Includes an amount per hour worked for Supplemental Dues.

^c Rate applies to the first 3 overtime hours.

^d Rate applies to the first 11 overtime hours.

^e In the event it is not reasonably possible to complete forty (40) hours of work on an eight (8) hour day shift, Monday through Friday, then the balance of the forty (40) hours may be worked on Saturday at the straight time rate.

^f Ratio is one Entry-Level Gunitite Worker for the 1st 4 Journeymen on the job (although the Entry-Level Gunitite Worker may be the 2nd worker on the job) and 1 Entry-Level Gunitite Worker for every 4 Journeymen thereafter (the Entry-Level Gunitite Worker may not be on the job until after all 4 Journeymen are on the job).

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Horizontal Directional Drilling (Laborer)[#]

Determination:

SC-102-1184-1-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X)	Saturday Overtime Hourly Rate (1 ½ X) ^b	Sunday/ Holiday Overtime Hourly Rate (2 X)
Group 1 (Drilling Crew Laborer)	\$42.84	\$8.95	\$7.97	\$3.55	\$0.41	\$1.08	8	\$64.80	\$86.22	\$86.22	\$107.64
Group 2 (Vehicle Operator/ Hauler)	\$43.01	\$8.95	\$7.97	\$3.55	\$0.41	\$1.08	8	\$64.97	\$86.475	\$86.475	\$107.98
Group 3 (Horizontal Directional Drill Operator)	\$44.86	\$8.95	\$7.97	\$3.55	\$0.41	\$1.08	8	\$66.82	\$89.25	\$89.25	\$111.68
Group 4 (Electronic Tracking Locator, Subsurface Imaging Laborer)	\$46.86	\$8.95	\$7.97	\$3.55	\$0.41	\$1.08	8	\$68.82	\$92.25	\$92.25	\$115.68

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the

[Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Includes an amount for Supplemental Dues.

^b In the event, due to inclement weather, major equipment breakdown, or similar Act of God, it is not reasonably possible to complete forty (40) hours of work Monday through Friday, then the balance of the forty (40) hours may be worked on Saturday at the straight-time rate.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Housemover (Laborer)

Determination:

SC-102-507-1-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other ^b	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^c	Saturday Overtime Hourly Rate (1 ½ X) ^c ^d	Sunday/ Holiday Overtime Hourly Rate (2 X)
Housemover	\$41.43	\$8.95	\$11.62	\$5.02	\$0.75	\$0.57	8.0	\$68.34	\$89.055	\$89.055	\$109.77

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

^a Includes Supplemental Dues contribution.

^b Include an amount for Contract Administration Fund (\$0.07), Contract Compliance Trust Fund (\$0.30), Industry Fund (\$0.08), and Laborers Trusts' Administrative Trust Fund (\$0.06).

^c Any hours over 12 hours in a single workday are double time.

^d If the employee is unable to complete the forty (40) hours during the normal workweek, Monday through Friday, due to inclement weather or a situation beyond the employers control, then the balance of the forty (40) hours may be worked on Saturday at the straight-time rate in the same workweek.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Laborer and Related Classifications #

Determination:

SC-23-102-2-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara, and Ventura counties.

Wages and Employer Payments:

Classification ^a (Journeyman)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^b	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X) ^c	Saturday Overtime Hourly Rate (1 ½ X) ^{cd}	Sunday/ Holiday Overtime Hourly Rate (2 X)
Group 1	\$41.38	\$8.95	\$11.62	\$5.02	\$0.75	\$0.67	8.0	\$68.39	\$89.080	\$89.080	\$109.770
Group 2	\$41.93	\$8.95	\$11.62	\$5.02	\$0.75	\$0.67	8.0	\$68.94	\$89.905	\$89.905	\$110.870
Group 3	\$42.48	\$8.95	\$11.62	\$5.02	\$0.75	\$0.67	8.0	\$69.49	\$90.730	\$90.730	\$111.970
Group 4	\$44.03	\$8.95	\$11.62	\$5.02	\$0.75	\$0.67	8.0	\$71.04	\$93.055	\$93.055	\$115.070
Group 5	\$44.38	\$8.95	\$11.62	\$5.02	\$0.75	\$0.67	8.0	\$71.39	\$93.580	\$93.580	\$115.770

Group 1

Boring Machine Helper (Outside)
Certified Confined Space Laborer
Cleaning and Handling of Panel Forms
Concrete Screeding for Rough Strike-Off
Concrete, Water Curing
Demolition Laborer, the cleaning of brick if performed by an employee performing any other phase of demolition work, and the cleaning of lumber
Fiberoptic Installation, Blowing, Splicing, and Testing Technician on public right-of-way only
Fire Watcher, Limbers, Brush Loaders, Pilers and Debris Handlers
Flagman
Gas, Oil and/or Water Pipeline Laborer
Laborer, Asphalt-Rubber Material Loader
Laborer, General or Construction
Laborer, General Cleanup
Laborer, Jetting
Laborer, Temporary Water and Air Lines
Plugging, Filling of Shee-Bolt Holes; Dry Packing of Concrete and Patching
Post Hole Digger (Manual)
Railroad Maintenance, Repair Trackman and Road Beds; Streetcar and Railroad Construction Track Laborers
Rigging and Signaling
Scaler
Slip Form Raisers
Tarman and Mortar Man
Tool Crib or Tool House Laborer
Traffic Control by any method
Water Well Driller Helper
Window Cleaner
Wire Mesh Pulling - All Concrete Pouring Operations

Group 2

Asphalt Shoveler
Cement Dumper (on 1 yard or larger mixer and handling bulk cement)
Cesspool Digger and Installer
Chucktender
Chute Man, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks,

floors, foundations, footings, curbs, gutters and sidewalks
Concrete Curer-Impervious Membrane and Form Oiler
Cutting Torch Operator (Demolition)
Fine Grader, Highways and Street Paving, Airport, Runways, and similar type heavy construction
Gas, Oil and/or Water Pipeline Wrapper-Pot Tender and Form Man
Guinea Chaser
Headerboard Man-Asphalt
Installation of all Asphalt Overlay Fabric and Materials used for Reinforcing Asphalt
Laborer, Packing Rod Steel and Pans
Membrane Vapor Barrier Installer
Power Broom Sweepers (small)
Riprap, Stonepaver, placing stone or wet sacked concrete
Roto Scraper and Tiller
Sandblaster (Pot Tender)
Septic Tank Digger and Installer (leadman)
Tank Scaler and Cleaner
Tree Climber, Faller, Chain Saw Operator, Pittsburgh Chipper and similar type Brush Shredders
Underground Laborer, including Caisson Bellow

Group 3

Asphalt Installation of all fabrics
Buggymobile Man
Compactor (all types including Tampers, Barko, Wacker)
Concrete Cutting Torch
Concrete Pile Cutter
Driller, Jackhammer, 2 1/2 ft. drill steel or longer
Dri Pak-it Machine
Gas, Oil and/or Water Pipeline Wrapper - 6-inch pipe and over by any method, inside and out
Impact Wrench, Multi-Plate
Kettlemen, Potmen and Men applying asphalt, lay-kold, creosote, lime caustic and similar type materials
Laborer, Fence Erector
Material Hoseman (Walls, Slabs, Floors and Decks)
Operators of Pneumatic, Gas, Electric Tools, Vibrating Machines, Pavement Breakers, Air Blasting, Come-

Alongs, and similar mechanical tools not separately classified herein; operation of remote controlled robotic tools in connection with Laborers work
Pipelayer's backup man, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services
Power Post Hole Digger
Rock Slinger
Rotary Scarifier or Multiple Head Concrete Chipping Scarifier
Steel Headerboard Man and Guideline Setter
Trenching Machine, Hand Propelled

Group 4

Any Worker Exposed to Raw Sewage
Asphalt Raker, Luteman, Ironer, Asphalt Dumpman, and Asphalt Spreader Boxes (all types)
Concrete Core Cutter (walls, floors or ceilings), Grinder or Sander
Concrete Saw Man, Cutting Walls or Flat Work, Scoring old or new concrete
Cribber, Shorer, Lagging, Sheeting and Trench Bracing, Hand-Guided Lagging Hammer
Head Rock Slinger
High Scaler (including drilling of same)
Laborer, Asphalt-Rubber Distributor Bootman
Laser Beam in connection with Laborer's work
Oversize Concrete Vibrator Operator, 70 pounds and over
Pipelayer
Prefabricated Manhole Installer
Sandblaster (Nozzlemann), Water Blasting, Porta Shot-Blast
Subsurface Imaging Laborer
Traffic Lane Closure, certified

Group 5

Blasters Powderman
Driller
Toxic Waste Removal
Welding, certified or otherwise in connection with Laborers' work

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a For classification within each group, see next page.

^b Includes an amount per hour worked for supplemental dues.

^c Any hours worked over 12 hours in a single workday are double (2) time.

^d Saturdays in the same work week may be worked at straight-time if job is shut down during work week due to inclement weather or similar Act of God, or a situation beyond the employer's control.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Landfill Worker (Operating Engineer)

Determination:

SC-63-12-41-2023-2

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Ventura Counties.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare ^a	Pension	Vacation and Holiday ^b	Hours	Total Hourly Rate ^c	Daily/Holiday Overtime Hourly Rate (1 ½ X) ^d	Sunday Overtime Hourly Rate (2 X)
Heavy Duty Repairman and/or Welder	\$37.05	\$6.25	\$9.65	\$0.71 ^e	8.0	\$53.66	\$65.225	\$83.750
Equipment Operator II	\$29.75	\$6.11	\$9.65	\$0.57 ^f	8.0	\$46.08	\$54.275	\$69.150
Equipment Operator III	\$30.75	\$6.13	\$9.65	\$0.59 ^g	8.0	\$47.12	\$55.775	\$71.150
PM Tech	\$26.40	\$6.05	\$9.65	\$0.51 ^h	8.0	\$42.61	\$49.250	\$62.450
Laborer/Spotter	\$19.60	\$5.92	\$4.07	\$0.38 ⁱ	8.0	\$29.97	\$33.470	\$43.270

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

^a Includes amounts for Sick Leave and Health Insurance that apply to the first 173.33 hours worked per month.

^b This amount applies to the first 173.33 hours worked per month.

^c Computation is based on the first year of employment. This rate should be increased by any applicable vacation increase as stated in the other footnotes.

^d Rate applies to all hours worked in excess of forty (40) hours in a workweek or in excess of eight (8) hours in any one day. Rate also applies to sixth consecutive day of work. For any daily hours worked in excess of twelve (12) hours, the Sunday overtime rate would apply.

^e \$1.43 after 2 years of service; \$2.14 after 5 years of service.

^f \$1.14 after 2 years of service; \$1.72 after 5 years of service.

^g \$1.18 after 2 years of service; \$1.77 after 5 years of service.

^h \$1.02 after 2 years of service; \$1.52 after 5 years of service.

ⁱ \$0.75 after 2 years of service; \$1.13 after 5 years of service.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: LANDSCAPE/IRRIGATION LABORER/TENDER#

Determination:

SC-102-X-14-2023-2

Issue Date:

August 22, 2023

Expiration date of determination:

July 31, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1 ½ X)	Saturday Overtime Hourly Rate ^{b c} (1 ½ X)	Sunday/ Holiday Overtime Hourly Rate (2 X)
Landscape/Irrigation Laborer	\$39.57	\$8.95	\$11.62	\$5.02	\$0.75	\$0.50	8.0	\$66.41	\$86.195	\$86.195	\$105.98
Landscape Hydro Seeder	\$40.67	\$8.95	\$11.62	\$5.02	\$0.75	\$0.50	8.0	\$67.51	\$87.845	\$87.845	\$108.18

Determination:

SC-102-X-14-2023-2A

Issue Date:

August 22, 2023

Expiration date of determination:

July 31, 2024* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for new rates after 10 days from the expiration date, if no subsequent determination is issued.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1 ½ X)	Saturday Overtime Hourly Rate ^{b c} (1 ½ X)	Sunday/ Holiday Overtime Hourly Rate (2 X)
Landscape/Irrigation Tender ^d	\$20.15	\$3.60	\$2.19	\$1.18	\$0.00	\$0.00	8.0	\$27.12	\$37.195	\$37.195	\$47.27

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

[#] Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Includes an amount per hour worked for Supplemental Dues.

^b Rate applies to first 4 daily overtime hours and the first 12 hours on Saturday. All other time is paid at the Sunday and Holiday double-time rate.

^c Saturdays in the same work week may be worked at straight-time if adverse weather or jobsite ground conditions require that the job be shut down for one or more workdays during the regular workweek.

^d The first employee on the jobsite shall be a Landscape/Irrigation Laborer; the second employee on the jobsite must be an Apprentice or a Landscape/Irrigation Laborer; and the third and fourth employees may be Tenders. The fifth employee on the jobsite shall be a Landscape/Irrigation Laborer; the sixth employee must be an Apprentice or a Landscape/Irrigation Laborer; and the seventh and eighth employees may be Tenders. Thereafter, Tenders may be employed with Landscape/Irrigation Laborers in a 50/50 ratio on each jobsite. However, plant establishment may be performed exclusively by Landscape/Irrigation Tenders without the supervision of a Journeyman.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

Craft: Landscape Maintenance Laborer

(Applies Only to Routine Landscape Maintenance Work, Not New Landscape Construction) ^a

Determination:

SC-LML-2023-1

Issue Date:

February 22, 2023

Expiration date of determination:

March 31, 2023* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

Wages and Employer Payments:

Locality	Basic Hourly Rate	Health and Welfare	Pension	Vacation	Holiday	Training	Hours	Total Hourly Rate	Overtime Hourly Rate (1 ½ X)
Imperial	\$15.50	\$0.00	\$0.00	\$0.115 ^b	\$0.17	\$0.00	8.0	\$15.785 ^c	\$23.535 ^c
Inyo, Mono and San Bernardino	\$15.50	\$0.00	\$0.00	\$0.30	\$0.17	\$0.00	8.0	\$15.97	\$23.72
Kern	\$15.50	\$0.00	\$0.00	\$0.16 ^d	\$0.17	\$0.00	8.0	\$15.83 ^c	\$23.58 ^c
	\$15.50	\$0.00	\$0.00	\$0.27 ^e	\$0.46	\$0.00	8.0	\$16.23 ^c	\$23.98 ^c
Los Angeles	\$15.50	\$0.89	\$0.00	\$0.115 ^f	\$0.14	\$0.00	8.0	\$16.645 ^c	\$24.395 ^c
Orange	\$15.50	\$0.00	\$0.00	\$0.11 ^g	\$0.11	\$0.00	8.0	\$15.72 ^c	\$23.47 ^c
Riverside	\$15.50	\$0.00	\$0.00	\$0.20 ^h	\$0.16	\$0.00	8.0	\$15.86 ^c	\$23.61 ^c
San Diego	\$15.50	\$0.00	\$0.00	\$0.22	\$0.115	\$0.00	8.0	\$15.835	\$23.585
	\$15.50	\$0.00	\$0.00	\$0.24	\$0.12	\$0.00	8.0	\$15.86	\$23.61
San Luis Obispo	\$15.50	\$0.00	\$0.00	\$0.15 ⁱ	\$0.15	\$0.00	8.0	\$15.80	\$23.55
	\$15.50	\$0.00	\$0.00	\$0.16 ^j	\$0.16	\$0.00	8.0	\$15.82	\$23.57
Santa Barbara	\$15.50	\$0.00	\$0.00	\$0.12 ^k	\$0.12	\$0.00	8.0	\$15.74 ^c	\$23.49 ^c
	\$15.50	\$0.00	\$0.00	\$0.13 ^l	\$0.13	\$0.00	8.0	\$15.76 ^c	\$23.51 ^c
Ventura	\$15.50	\$0.00	\$0.00	\$0.115	\$0.16	\$0.00	8.0	\$15.775	\$23.525
	\$15.50	\$2.97	\$0.00	\$0.19 ^m	\$0.26	\$0.00	8.0	\$18.92 ^c	\$26.67 ^c

NOTE:

If there are two rates, the first rate is for routine work, the second rate is for complex work.

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

^a This determination does not apply to work of a landscape laborer employed on landscape construction (work incidental to construction or post-construction maintenance during the plant installation and establishment period). The following is a description of the landscape work cover under this determination:

ROUTINE – mowing, watering, pruning, trimming, weeding, spraying, occasional planting and replacement of plants and janitorial work incidental to such landscape maintenance.

COMPLEX – servicing of irrigation and sprinkler systems, repairing of equipment use in such landscape maintenance.

^b \$0.22 after 3 years of service.

^c Computation is based on the first years of employment. This rate should be increased by any applicable vacation increase as stated in other footnotes.

^d \$0.31 after 2 years of service.

^e \$0.54 after 2 years of service: \$0.81 after 3 years of service.

^f \$0.24 after 3 years of service: \$0.37 after 7 years of service.

^g \$0.22 after 4 years of service.

^h \$0.40 after 3 years of service.

ⁱ \$0.29 after 2 years of service.

^j \$0.31 after 2 years of service.

^k \$0.23 after 2 years of service.

^l \$0.27 after 2 years of service.

^m \$0.38 after 3 years of service.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Landscape Operating Engineer[#]

Determination:

SC-63-12-33-2023-1

Issue Date:

February 22, 2023

Expiration date of determination:

October 31, 2023** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Ventura Counties.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension ^a	Vacation and Holiday ^b	Training	Other	Hours	Total Hourly Rate	Daily/ Saturday Overtime Hourly Rate ^c (1½ X)	Sunday Overtime Hourly Rate ^d (2X)	Holiday Overtime Hourly Rate ^d (3X)
Landscape Operating Engineer: Backhoe Operators; Skidsteer; Forklifts-Tree Planting Equipment (jobsite); HDR Welder-Landscape, Irrigation, Operating Engineers' Equipment; Mulching Tractors; Roller Operators; Rubber-tired & Track Earthmoving Equipment; Skiploader Operators; Trencher-31 horsepower and up	\$46.01	\$12.35	\$13.15	\$3.85	\$1.05	\$0.15	8.0	\$76.56	\$99.565	\$122.570	\$168.580

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Includes an amount for the Defined Contribution Plan (Annuity).

^b Includes an amount per hour worked for supplemental dues.

^c Rate applies to the first four overtime hours daily and the first twelve hours on Saturday. Thereafter use the Sunday overtime rate.

^d All work performed on a Dewatering Operation on holidays and all other work on holidays except Labor Day and the 1st Saturday following the 1st Friday in the months of June and December is paid at Sunday rate.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Light Fixture Maintenance

Determination:

SC-830-61-1-2023-1

Issue Date:

February 22, 2023

Expiration date of determination:

March 31, 2023* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

Localities:

All localities within Riverside County. For other counties please contact the Office of the Director – Research Unit prior to Bid Advertisement at (415) 703-4774.

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday	Training	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1½ X)	Saturday/Sunday Overtime Hourly Rate (1½ X)	Holiday Overtime Hourly Rate (2 X)
Lighting Maintenance Service Person	\$15.50	\$0.29	\$0.00	\$0.34	\$0.00	8.0	\$16.13	\$23.88	\$23.88	\$31.63

Determination:

SC-830-61-2-2023-1

Issue Date:

February 22, 2023

Expiration date of determination:

March 31, 2023* Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Office of the Director – Research Unit at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.

Localities:

All localities within **San Bernardino** County. For other counties please contact the Office of the Director – Research Unit prior to Bid Advertisement at (415) 703-4774.

Wages and Employer Payments:

Classification	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday	Training	Hours	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X)	Sunday/ Holiday Overtime Hourly Rate (1 ½ X)
Lighting Maintenance Service Person	\$15.50	\$2.43	\$0.39	\$0.00	\$0.50	8.0	\$18.82	\$26.57	\$26.57

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Modular Furniture Installer (Carpenter)#

Determination:

SC-23-31-16-2022-1

Issue Date:

August 22, 2022

Expiration date of determination:

June 30, 2023** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Ventura Counties

Wages and Employer Payments:

Classification (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday ^a	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1 ½ X)	6 th Workday Overtime Hourly Rate ^b (1 ½ X)	7 th Workday/ Holiday Overtime Hourly Rate (2 X)
Modular Installer: Installer	\$21.00	\$5.35	\$2.50	\$2.60	\$0.10	\$0.03	8.0	\$31.58	\$42.08	\$42.08	\$52.58
Modular Installer: Lead Installer	\$23.00	\$5.35	\$2.50	\$2.60	\$0.10	\$0.03	8.0	\$33.58	\$45.08	\$45.08	\$56.58

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a Includes an amount for Supplemental Dues.

^b Rate applies to the first 4 daily overtime hours and first 12 hours worked on a sixth (6th) consecutive day. All other daily overtime is paid the 7th Workday/Holiday rate.

GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: OPERATING ENGINEER[#]

Determination:

SC-23-63-2-2023-2

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journey person)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^c (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group 1	\$55.90	8	\$88.71	\$116.660	\$116.660	\$144.610
Group 2	\$56.68	8	\$89.49	\$117.830	\$117.830	\$146.170
Group 3	\$56.97	8	\$89.78	\$118.265	\$118.265	\$146.750
Group 4	\$58.46	8	\$91.27	\$120.500	\$120.500	\$149.730
Group 6	\$58.68	8	\$91.49	\$120.830	\$120.830	\$150.170
Group 8	\$58.79	8	\$91.60	\$120.995	\$120.995	\$150.390
Group 10	\$58.91	8	\$91.72	\$121.175	\$121.175	\$150.630
Group 12	\$59.08	8	\$91.89	\$121.430	\$121.430	\$150.970
Group 13	\$59.18	8	\$91.99	\$121.580	\$121.580	\$151.170
Group 14	\$59.21	8	\$92.02	\$121.625	\$121.625	\$151.230
Group 15	\$59.29	8	\$92.10	\$121.745	\$121.745	\$151.390
Group 16	\$59.41	8	\$92.22	\$121.925	\$121.925	\$151.630
Group 17	\$59.58	8	\$92.39	\$122.180	\$122.180	\$151.970
Group 18	\$59.68	8	\$92.49	\$122.330	\$122.330	\$152.170
Group 19	\$59.79	8	\$92.60	\$122.495	\$122.495	\$152.390
Group 20	\$59.91	8	\$92.72	\$122.675	\$122.675	\$152.630
Group 21	\$60.08	8	\$92.89	\$122.930	\$122.930	\$152.970
Group 22	\$60.18	8	\$92.99	\$123.080	\$123.080	\$153.170
Group 23	\$60.29	8	\$93.10	\$123.245	\$123.245	\$153.390
Group 24	\$60.41	8	\$93.22	\$123.425	\$123.425	\$153.630
Group 25	\$60.58	8	\$93.39	\$123.680	\$123.680	\$153.970

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$12.85
Pension ^d	\$14.65
Vacation and Holiday ^e	\$3.85
Training	\$1.05
Other	\$0.41

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: OPERATING ENGINEER (SPECIAL SHIFT) #

Determination:

SC-23-63-2-2023-2

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journey person)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^c (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group 1	\$56.90	8	\$89.71	\$118.160	\$118.160	\$146.610
Group 2	\$57.68	8	\$90.49	\$119.330	\$119.330	\$148.170
Group 3	\$57.97	8	\$90.78	\$119.765	\$119.765	\$148.750
Group 4	\$59.46	8	\$92.27	\$122.000	\$122.000	\$151.730
Group 6	\$59.68	8	\$92.49	\$122.330	\$122.330	\$152.170
Group 8	\$59.79	8	\$92.60	\$122.495	\$122.495	\$152.390
Group 10	\$59.91	8	\$92.72	\$122.675	\$122.675	\$152.630
Group 12	\$60.08	8	\$92.89	\$122.930	\$122.930	\$152.970
Group 13	\$60.18	8	\$92.99	\$123.080	\$123.080	\$153.170
Group 14	\$60.21	8	\$93.02	\$123.125	\$123.125	\$153.230
Group 15	\$60.29	8	\$93.10	\$123.245	\$123.245	\$153.390
Group 16	\$60.41	8	\$93.22	\$123.425	\$123.425	\$153.630
Group 17	\$60.58	8	\$93.39	\$123.680	\$123.680	\$153.970
Group 18	\$60.68	8	\$93.49	\$123.830	\$123.830	\$154.170
Group 19	\$60.79	8	\$93.60	\$123.995	\$123.995	\$154.390
Group 20	\$60.91	8	\$93.72	\$124.175	\$124.175	\$154.630
Group 21	\$61.08	8	\$93.89	\$124.430	\$124.430	\$154.970
Group 22	\$61.18	8	\$93.99	\$124.580	\$124.580	\$155.170
Group 23	\$61.29	8	\$94.10	\$124.745	\$124.745	\$155.390
Group 24	\$61.41	8	\$94.22	\$124.925	\$124.925	\$155.630
Group 25	\$61.58	8	\$94.39	\$125.180	\$125.180	\$155.970

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$12.85
Pension ^d	\$14.65
Vacation and Holiday ^e	\$3.85
Training	\$1.05
Other	\$0.41

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

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GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: OPERATING ENGINEER (MULTI-SHIFT)#

Determination:

SC-23-63-2-2023-2

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journey person)	Basic Hourly Rate	Hours ^f	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^c (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group 1	\$56.90	8	\$89.71	\$118.160	\$118.160	\$146.610
Group 2	\$57.68	8	\$90.49	\$119.330	\$119.330	\$148.170
Group 3	\$57.97	8	\$90.78	\$119.765	\$119.765	\$148.750
Group 4	\$59.46	8	\$92.27	\$122.000	\$122.000	\$151.730
Group 5	\$59.56	8	\$92.37	\$122.150	\$122.150	\$151.930
Group 6	\$59.68	8	\$92.49	\$122.330	\$122.330	\$152.170
Group 7	\$59.78	8	\$92.59	\$122.480	\$122.480	\$152.370
Group 8	\$59.79	8	\$92.60	\$122.495	\$122.495	\$152.390
Group 9	\$59.89	8	\$92.70	\$122.645	\$122.645	\$152.590
Group 10	\$59.91	8	\$92.72	\$122.675	\$122.675	\$152.630
Group 11	\$60.01	8	\$92.82	\$122.825	\$122.825	\$152.830
Group 12	\$60.08	8	\$92.89	\$122.930	\$122.930	\$152.970
Group 13	\$60.18	8	\$92.99	\$123.080	\$123.080	\$153.170
Group 14	\$60.21	8	\$93.02	\$123.125	\$123.125	\$153.230
Group 15	\$60.29	8	\$93.10	\$123.245	\$123.245	\$153.390
Group 16	\$60.41	8	\$93.22	\$123.425	\$123.425	\$153.630
Group 17	\$60.58	8	\$93.39	\$123.680	\$123.680	\$153.970
Group 18	\$60.68	8	\$93.49	\$123.830	\$123.830	\$154.170
Group 19	\$60.79	8	\$93.60	\$123.995	\$123.995	\$154.390
Group 20	\$60.91	8	\$93.72	\$124.175	\$124.175	\$154.630
Group 21	\$61.08	8	\$93.89	\$124.430	\$124.430	\$154.970
Group 22	\$61.18	8	\$93.99	\$124.580	\$124.580	\$155.170
Group 23	\$61.29	8	\$94.10	\$124.745	\$124.745	\$155.390
Group 24	\$61.41	8	\$94.22	\$124.925	\$124.925	\$155.630

Classification ^a (Journey person)	Basic Hourly Rate	Hours ^f	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^c (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group 25	\$61.58	8	\$94.39	\$125.180	\$125.180	\$155.970

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$12.85
Pension ^d	\$14.65
Vacation and Holiday ^e	\$3.85
Training	\$1.05
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Classifications:

Group 1

Bargeman
Brakeman
Compressor Operator
Ditchwitch, with seat or similar type equipment
Elevator Operator - Inside
Engineer Oiler
Forklift Operator (includes loed, lull or similar types – under 5 tons)
Generator Operator
Generator, Pump or Compressor Plant Operator
Heavy Duty Repairman Helper
Inertial Profiler Operator
Pump Operator
Signalman
Switchman

Group 2

Asphalt-Rubber Plant Operator (Nurse Tank Operator)
Coil Tubing Rig Operator
Concrete Mixer Operator – Skip Type
Conveyor Operator
Fireman
Forklift Operator (includes loed, lull or similar types – over 5 tons)
Hydrostatic Pump Operator
Oiler Crusher (Asphalt or Concrete Plant)
Petromat Laydown Machine
PJU Side Dump Jack
Rotary Drill Helper (Oilfield)
Screening and Conveyor Machine Operator (or similar types)
Skiploader (Wheel type up to $\frac{3}{4}$ yd. without attachment)
Tar Pot Fireman
Temporary Heating Plant Operator
Trenching Machine Oiler

Group 3

Asphalt Rubber Blend Operator
Bobcat or similar type (Skid Steer, with all attachments)
Equipment Greaser (rack)
Ford Ferguson (with dragtype attachments)
Helicopter Radioman (ground)

Stationary Pipe Wrapping and Cleaning Machine Operator

Group 4

Asphalt Plant Fireman
Backhoe Operator (mini-max or similar type)
Boring Machine Operator
Boring System Electronic Tracking Locator
Boxman or Mixerman (asphalt or concrete)
Chip Spreading Machine Operator
Concrete Cleaning Decontamination Machine Operator
Concrete Pump Operator (small portable)
Drilling Machine Operator, Small Auger types (Texoma Super Economatic, or similar types – Hughes 100 or 200, or similar types – drilling depth of 30 maximum)
Equipment Greaser (grease truck)
Excavator Track/Rubber-Tired-with all attachments (Operating weight under 21,000 lbs)
Guard Rail Post Driver Operator
Highline Cableway Signalman
Hydra-Hammer-Aero Stomper
Hydraulic Casing Oscillator Operator – drilling depth of 30' maximum
Micro Tunneling Operator (above ground tunnel)
Power Concrete Curing Machine Operator
Power Concrete Saw Operator
Power – Driver Jumbo Form Setter Operator
Power Sweeper Operator
Rock Wheel Saw/Trencher
Roller Operator (compacting)
Screed Operator (asphalt or concrete)
Trenching Machine Operator (up to 6 ft.)
Vacuum or Muck Truck

Group 5 (for multi-shift rate, see Pages 5 and 6)

Equipment Greaser (Grease Truck/Multi-Shift)

Group 6

Articulating Material Hauler
Asphalt Plant Engineer
Batch Plant Operator
Bit Sharpener
Concrete Joint Machine Operator (canal and similar type)
Concrete Placer Operator
Concrete Planer Operator

Dandy Digger
Deck Engine Operator
Deck Engineer
Derrickman (oilfield type)
Drilling Machine Operator, Bucket or Auger types
(Calweld 100 bucket or similar types – Watson
1000 auger or similar types – Texoma 330, 500 or
600 auger or similar types – drilling depth of 45'
maximum)
Drilling Machine Operator (including water wells)
Forced Feed Loader
Hydraulic Casing Oscillator Operator – drilling depth
of 45' maximum
Hydro Seeder Machine Operator (straw, pulp or seed)
Jackson Track Maintainer, or similar type
Kalamazoo Switch Tamper, or similar type
Machine Tool Operator
Maginnis Internal Full Slab Vibrator
Mechanical Berm, Curb or Gutter (concrete or
asphalt)
Mechanical Finisher Operator (concrete, Clary-
Johnson-Bidwell or similar)
Micro Tunnel System Operator (below ground)
Pavement Breaker Operator
Railcar Mover
Road Oil Mixing Machine Operator
Roller Operator (asphalt or finish)
Rubber-Tired Earthmoving Equipment (single
engine, up to and including 25 yds. struck)
Self-Propelled Tar Pipelining Machine Operator
Skiploader Operator (crawler and wheel type, over
¾ yds. and up to and including 1½ yds.)
Slip Form Pump Operator (power driven hydraulic
lifting device for concrete forms)
Tractor Operator – Bulldozer, Tamper-Scraper
(single engine, up to 100 H.P. flywheel and similar
types, up to and including D-5 and similar types)
Tugger Hoist Operator (1 drum)
Ultra High Pressure Waterjet Cutting Tool System
Operator
Vacuum Blasting Machine Operator
Volumetric Mixer Operator
Welder - General

Group 7 (for multi-shift rate, see Pages 5 and 6)

Welder - General (Multi-Shift)

Group 8

Asphalt or Concrete Spreading Operator (tamping or
finishing)
Asphalt Paving Machine Operator (barber greene or
similar type, one (1) Screedman)
Asphalt-Rubber Distributor Operator
Backhoe Operator (up to and including ¾ yds.)
small ford, case or similar types
Backhoe Operator (over ¾ yd. and up to 5 cu. yds.
M.R.C.)
Barrier Rail Mover (BTM Series 200 or similar types)
Cast in Place Pipe Laying Machine Operator
Cold Foamed Asphalt Recycler
Combination Mixer and Compressor Operator
(gunite work)
Compactor Operator – Self Propelled
Concrete Mixer Operator – Paving
Crushing Plant Operator
Drill Doctor
Drilling Machine Operator, Bucket or Auger types
(Calweld 150 bucket or similar types – Watson
1500, 2000, 2500 auger or similar types –
Texoma 700, 800 auger or similar types – drilling
depth of 60' maximum)
Elevating Grader Operator
Excavator Track/Rubber-Tired with all attachments
(Operating Weight 21,000 lbs – 100,000 lbs)
Global Positioning System/GPS (or Technician)
Grade Checker
Gradall Operator
Grouting Machine Operator
Heavy Duty Repairman/Pump Installer
Heavy Equipment Robotics Operator
Hydraulic Casing Oscillator Operator – drilling depth
of 60' maximum
Hydraulic Operated Grout Plant (excludes hand
loading)
Kalamazoo Ballast Regulator or similar type
Klemm Drill Operator or similar types
Kolman Belt Loader and similar type
Le Tourneau Blob Compactor or similar type
Lo Drill
Loader Operator (Athey, Euclid, Sierra and similar
types)
Master Environmental Maintenance Mechanic
Mobark Chipper or similar types
Ozzie Padder or similar types
P.C. 490 Slot Saw

Pneumatic Concrete Placing Machine Operator
(Hackley-Presswell or similar type)
Prentice 721E Hydro-Ax
Pumpcrete Gun Operator
Rock Drill or Similar Types (see Miscellaneous
Provision #4 for additional information regarding
this classification)
Rotary Drill Operator (excluding caison type)
Rubber-Tired Earth Moving Equipment Operator
(single engine, caterpillar, euclid, atthey wagon,
and similar types with any and all attachments
over 25 yds. and up to and including 50 cu yds.
struck)
Rubber-Tired Earth Moving Equipment Operator
(multiple engine – up to and including 25 yds.
struck)
Rubber-Tired Scraper Operator (self-loading paddle
wheel type – John Deere, 1040 and similar single
unit)
Self-Propelled Curb and Gutter Machine Operator
Shuttle Buggy
Skiploader Operator (crawler and wheel type over 1
½ yds. up to and including 6 ½ yds.)
Soil Remediation Plant Operator (CMI, Envirotech or
Similar)
Soil Stabilizer and Reclaimer (WR-2400)
Somero SXP Laser Screed
Speed Swing Operator
Surface Heaters and Planer Operator
Tractor Compressor Drill Combination Operator
Tractor Operator (any type larger than D-5 – 100
flyweel H.P. and over, or similar – bulldozer,
tamper, scraper and push tractor, single engine)
Tractor Operator (boom attachments)
Traveling Pipe Wrapping, Cleaning and Bending
Machine Operator)
Trenching Machine Operator (over 6 ft. depth
capacity, manufacturer's rating)
Trenching Machine with Road Miner Attachment
(over 6ft. depth capacity, manufacturer's rating –
Oiler or Journeyman Trainee required)
Ultra High Pressure Waterjet Cutting Tool System
Mechanic
Water Pull (compaction)

Group 9 (for multi-shift rate, see Pages 5 and 6)
Heavy Duty Repairman (Multi-Shift)

Group 10

Backhoe Operator (over 5 cu. yds. M.R.C.)
Drilling Machine Operator, Bucket or Auger types
(Calweld 200 B bucket or similar types – Watson
3000 or 5000 auger or similar types – Texoma
900 auger or similar types – drilling depth of 105'
maximum)
Dual Drum Mixer
Dynamic Compactor LDC350 or similar types
Heavy Duty Repairman-Welder combination
Hydraulic Casing Oscillator Operator – drilling depth
of 105' maximum
Monorail Locomotive Operator (diesel, gas or
electric)
Motor Patrol – Blade Operator (single engine)
Multiple Engine Tractor Operator (euclid and similar
type – except quad 9 cat.)
Pneumatic Pipe Ramming Tool and similar types
Pre-stressed Wrapping Machine Operator (2
Operators required)
Rubber – Tired Earth Moving Equipment Operator
(single engine, over 50 yds. struck)
Rubber – Tired Earth Moving Equipment Operator
(multiple engine, euclid caterpillar and similar –
over 25 yds. and up to 50 yds. struck)
Tower Crane Repairman
Tractor Loader Operator (crawler and wheel-type
over 6 ½ yds.)
Unmanned Aircraft Systems (UAS Drones) Operator
(when used in conjunction with hoisting and
placing materials)
Welder – Certified
Woods Mixer Operator (and similar pugmill
equipment)

Group 11 (for multi-shift rate, see Pages 5 and 6)

Heavy Duty Repairman – Welder Combination
(Multi-Shift)
Welder – Certified (Multi-Shift)

Group 12

Auto Grader Operator
Automatic Slip Form Operator
Backhoe Operator (over 7 cu. yds. M.R.C.)
Drilling Machine Operator, Bucket or Auger types
(Calweld, auger 200 CA or similar types –
Watson, auger 6000 or similar types – hughes
super duty, auger 200 or similar types – drilling
depth of 175' maximum)

Excavator Track/Rubber Tired- with all attachments
(Operating Weight 100,000 lbs. – 200,000 lbs.)
Hoe Ram or similar with compressor
Hydraulic Casing Oscillator Operator – drilling depth
of 175' maximum
Mass Excavator Operator – less than 750 cu. yds.
Mechanical Finishing Machine Operator
Mobile Form Traveler Operator
Motor Patrol Operator (multi-engine)
Pipe Mobile Machine Operator
Rubber-Tired Earth Moving Equipment Operator
(multiple engine, euclid, caterpillar and similar
type, over 50 cu. yds. struck)
Rubber-Tired Self-Loading Scraper Operator
(paddle-wheel-auger type self-loading – (two (2)
or more units)

Group 13

Rubber-Tired Earth Moving Equipment Operator,
Operating Equipment with the Push-Pull System
(single engine, up to and including 25 yds. struck)

Group 14

Canal Liner Operator
Canal Trimmer Operator
Drilling Machine Operator, Bucket or Auger types
(Calweld, auger 200 CA or similar types –
watson, auger 6000 or similar types – hughes
super duty, auger 200 or similar types – drilling
depth of 300' maximum)
Remote Controlled Earth Moving Operator (\$1.00
per hour additional to base rate)
Wheel Excavator Operator (over 750 cu. yds. per
hour)

Group 15

Rubber-Tired Earth Moving Equipment Operator,
Operating Equipment with the Push-Pull System
(single engine, caterpillar, euclid, atthey wagon,
and similar types with any and all attachments
over 25 and up to and including 50 cu. yds.
struck)
Rubber-Tired Earth Moving Equipment Operator,
Operating Equipment with the Push-Pull System
(multiple engine - up to and including 25 yds.
struck)

Group 16

Excavator Track/Rubber Tired – with all attachments
(Operating Weight exceeding 200,000 lbs.)

Rubber-Tired Earth Moving Equipment Operator,
Operating Equipment with the Push-Pull System
(single engine, over 50 yds. struck)
Rubber-Tired Earth Moving Equipment Operator,
Operating Equipment with the Push-Pull System
(multiple engine, euclid, caterpillar, and similar,
over 25 yds. and up to 50 yds. struck)

Group 17

Rubber-Tired Earth Moving Equipment Operator,
Operating Equipment with the Push-Pull System
(multiple engine, euclid, caterpillar, and similar
type, over 50 cu. yds. struck)
Tandem Tractor Operator (operating crawler type
tractors in tandem – Quad 9 and similar type)

Group 18

Rubber-Tired Earth Moving Equipment Operator,
Operating in Tandem (scrapers, belly dumps, and
similar types in any combination, excluding
compaction units - single engine, up to and
including 25 yds. struck)

Group 19

Rotex Concrete Belt Operator
Rubber-Tired Earth Moving Equipment Operator,
Operating in Tandem (scrapers, belly dumps, and
similar types in any combination, excluding
compaction units - single engine, caterpillar,
euclid, atthey wagon, and similar types with any
and all attachments over 25 yds. and up to and
including 50 cu. yds. struck)
Rubber-Tired Earth Moving Equipment Operator,
Operating in Tandem (scrapers, belly dumps, and
similar types in any combination, excluding
compaction units - multiple engines, up to and
including 25 yds. struck)

Group 20

Rubber-Tired Earth Moving Equipment Operator,
Operating in Tandem (scrapers, belly dumps, and
similar types in any combination, excluding
compaction units - single engine, over 50 yds.
struck)
Rubber-Tired Earth Moving Equipment Operator,
Operating in Tandem (scrapers, belly dumps, and
similar types in any combination, excluding
compaction units - multiple engine, euclid,
caterpillar and similar, over 25 yds. and up to 50
yds. struck)

Group 21

Rubber-Tired Earth Moving Equipment Operator, Operating in Tandem (scrapers, belly dumps, and similar types in any combination, excluding compaction units - multiple engine, euclid, caterpillar and similar type, over 50 cu. yds. struck)

Group 22

Rubber-Tired Earth Moving Equipment Operator, Operating Equipment with the Tandem Push-Pull System (single engine, up to and including 25 yds. struck)

Group 23

Rubber-Tired Earth Moving Equipment Operator, Operating Equipment with the Tandem Push-Pull System (single engine, caterpillar, euclid, atthey wagon, and similar types with any and all attachments over 25 yds. and up to and including 50 cu. yds. struck)

Rubber-Tired Earth Moving Equipment Operator, Operating Equipment with the Tandem Push-Pull System (multiple engine, up to and including 25 yds. struck)

Group 24

Rubber-Tired Earth Moving Equipment Operator, Operating Equipment with the Tandem Push-Pull System (single engine, over 50 yds. Struck)

Rubber-Tired Earth Moving Equipment Operator, Operating Equipment with the Tandem Push-Pull System (multiple engine, euclid, caterpillar and similar, over 25 yds. and up to 50 yds. struck)

Group 25

Concrete Pump Operator-Truck Mounted
Pedestal Concrete Pump Operator

Rubber-Tired Earth Moving Equipment Operator, Operating Equipment with the Tandem Push-Pull System (multiple engine, euclid, caterpillar and similar over 50 cu. yds struck)

MISCELLANEOUS PROVISIONS:

1. Operators on hoists with three drums shall receive fifty cents (50¢) per hour additional pay to the regular rate of pay. The additional pay shall be added to the regular rate and become the base rate for the entire shift.
2. All heavy duty repairman and heavy duty combination shall receive one dollar (\$1.00) per hour tool allowance in addition to their regular rate of pay and this shall become their base rate of pay.
3. Employees required to suit up and work in a hazardous material environment, shall receive Two Dollars (\$2.00) per hour in addition to their regular rate of pay, and that rate shall become the basic hourly rate of pay.
4. A review of rock drilling is currently pending. The minimum acceptable rate of pay for this classification or type of work on public works projects is Laborer and Related Classifications/Group 5 (Driller) as published in the Director's General Prevailing Wage Determinations. However, the published rate for the craft/classification of Operating Engineer/Group 8 (Rock Drill or Similar Types) may be used by contractors to perform rock drilling on public works projects.

[#] Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a For classifications within each group, see Pages 7 through 11.

^b Rate applies to the first 4 overtime hours. All other daily overtime is paid at the Sunday rate.

^c Rate applies to the first 12 hours worked. All other time is paid at the Sunday rate.

^d Includes an amount for Annuity.

^e Includes an amount withheld for supplemental dues.

^f The Third Shift shall work 6.5 hours, exclusive of meal period, for which 8 hours straight-time shall be paid at the non-shift rate, Monday through Friday.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: Parking and Highway Improvement (Striping, Slurry and Seal Coat Operations-Laborer)#

Determination:

SC-23-102-6-2023-2

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification ^a (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation/ Holiday ^b	Training	Other	Hours ^c	Total Hourly Rate	Daily Overtime Hourly Rate (1 ½ X)	6 th & 7 th Day Overtime Hourly Rate ^d (1½ x)	Holiday Overtime Hourly Rate (2 X)
Group 1	\$44.10	\$8.95	\$8.57	\$5.26	\$1.42	\$0.56	8.0	\$68.86	\$90.910	\$90.910	\$112.96
Group 2	\$45.40	\$8.95	\$8.57	\$5.26	\$1.42	\$0.56	8.0	\$70.16	\$92.860	\$92.860	\$115.56
Group 3	\$47.41	\$8.95	\$8.57	\$5.26	\$1.42	\$0.56	8.0	\$72.17	\$95.875	\$95.875	\$119.58
Group 4	\$49.15	\$8.95	\$8.57	\$5.26	\$1.42	\$0.56	8.0	\$73.91	\$98.485	\$98.485	\$123.06

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

CLASSIFICATION GROUPS:

Group 1

Protective coating, Pavement sealing (repairs and filling of cracks by any method to parking lots, game courts and playgrounds, and tracks, whether indoor or outdoor)
Truck Mounted Attenuator
Automatous Truck Mounted Attenuator
Installation of carstops
Traffic Control Person & Serviceman; including work of installing and protecting utility covers, traffic delineating devices, posting of no parking and notifications for public convenience
Asphalt Repair
Equipment Repair Technician
Truncated Dome Assitant
Decorative Asphalt Surfacing Applicator Assistant

Group 2

Traffic Surface Abrasive Blaster
Pot Tender
Traffic Control Person/Certified Traffic Control Person
Repairing and filling of cracks and surface cleaning on streets, highways, and airports by any means, and other work not directly connected with the application of slurry seal
Slurry Seal Squeegeeman (finisher)
Bob Cat/Skid Steer
Seal Roller
Forklift

Group 3

Traffic Delineating Device Applicator
Traffic Protective System Installer
Pavement Marking Applicator

Slurry Seal Applicator Operator (Line Driver- including self-contained distribution units, aggregate spreader truck)
Shuttleman (loader/slurry machine operations) operation of all related machinery and equipment; handling of related materials
Truncated Dome Technician
Decorative Asphalt Surfacing Applicator

Group 4

Traffic Striping Applicator
Slurry Seal Mixer Operator
Power Broom Sweeper (operation of all related trucks, machinery and equipment; Handling of related materials)

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a For classifications within each group, see Page 2.

^b Includes an amount per hour worked for Supplemental Dues.

^c Straight-time hours: 8 consecutive hours per day. 40 hours over 5 consecutive days, Monday through Sunday shall constitute a week's work at straight time.

^d The sixth consecutive day in the same work week may be worked at straight-time if job is shut down during work week due to inclement weather.

GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #TEAMSTER (APPLIES ONLY TO WORK ON THE CONSTRUCTION SITE)

Determination:

SC-23-261-2-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director – Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journey person)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^b (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group I	\$38.19	8	\$71.88	\$90.975	\$90.975	\$110.07
Group II	\$38.34	8	\$72.03	\$91.20	\$91.20	\$110.37
Group III	\$38.47	8	\$72.16	\$91.395	\$91.395	\$110.63
Group IV	\$38.66	8	\$72.35	\$91.68	\$91.68	\$111.01
Group V	\$38.69	8	\$72.38	\$91.725	\$91.725	\$111.07
Group VI	\$38.72	8	\$72.41	\$91.77	\$91.77	\$111.13
Group VII	\$38.97	8	\$72.66	\$92.145	\$92.145	\$111.63
Group VIII	\$39.22	8	\$72.91	\$92.52	\$92.52	\$112.13
Group IX	\$39.42	8	\$73.11	\$92.82	\$92.82	\$112.53
Group X	\$39.72	8	\$73.41	\$93.27	\$93.27	\$113.13
Group XI	\$40.22	8	\$73.91	\$94.02	\$94.02	\$114.13

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$20.12
Pension	\$8.00
Vacation and Holiday ^c	\$3.15
Training	\$1.92
Other	\$0.50

Wages and total hourly rates (including employer payments):

Classification ^d (Subjourneyman)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^b (1½x)	Sunday/Holiday Overtime Hourly Rate (2 x)
0-2000 hours	\$24.40	8	\$56.94	\$69.14	\$69.14	\$81.34
2001-4000 hours	\$26.40	8	\$59.19	\$72.39	\$72.39	\$85.59
4001-6000 hours	\$28.40	8	\$61.44	\$75.64	\$75.64	\$89.84

Over 6000 hours and thereafter at journeyman rates.

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$20.12
Pension	\$8.00
Vacation and Holiday ^c	\$2.00 (\$2.25 for 2001-4000 hours; \$2.50 for 4001-6000 hours)
Training	\$1.92
Other	\$0.50

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

**CRAFT: #TEAMSTER (SPECIAL SHIFT)
(APPLIES ONLY TO WORK ON THE CONSTRUCTION SITE)**

Determination:

SC-23-261-2-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director – Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journey person)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^b (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group I	\$39.19	8	\$72.88	\$92.475	\$92.475	\$112.07
Group II	\$39.34	8	\$73.03	\$92.70	\$92.70	\$112.37
Group III	\$39.47	8	\$73.16	\$92.895	\$92.895	\$112.63
Group IV	\$39.66	8	\$73.35	\$93.18	\$93.18	\$113.01
Group V	\$39.69	8	\$73.38	\$93.225	\$93.225	\$113.07
Group VI	\$39.72	8	\$73.41	\$93.27	\$93.27	\$113.13
Group VII	\$39.97	8	\$73.66	\$93.645	\$93.645	\$113.63
Group VIII	\$40.22	8	\$73.91	\$94.02	\$94.02	\$114.13
Group IX	\$40.42	8	\$74.11	\$94.32	\$94.32	\$114.53
Group X	\$40.72	8	\$74.41	\$94.77	\$94.77	\$115.13
Group XI	\$41.22	8	\$74.91	\$95.52	\$95.52	\$116.13

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$20.12
Pension	\$8.00
Vacation and Holiday ^c	\$3.15
Training	\$1.92
Other	\$0.50

Wages and total hourly rates (including employer payments):

Classification ^d (Subjourneyman)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^b (1½x)	Sunday/Holiday Overtime Hourly Rate (2 x)
0-2000 hours	\$24.40	8	\$56.94	\$69.14	\$69.14	\$81.34
2001-4000 hours	\$26.40	8	\$59.19	\$72.39	\$72.39	\$85.59
4001-6000 hours	\$28.40	8	\$61.44	\$75.64	\$75.64	\$89.84

Over 6000 hours and thereafter at journeyman rates.

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$20.12
Pension	\$8.00
Vacation and Holiday ^c	\$2.00 (\$2.25 for 2001-4000 hours; \$2.50 for 4001-6000 hours)
Training	\$1.92
Other	\$0.50

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #TEAMSTER (SECOND SHIFT)
(APPLIES ONLY TO WORK ON THE CONSTRUCTION SITE)

Determination:

SC-23-261-2-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director – Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journey person)	Basic Hourly Rate	Hours ^e	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^b (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group I	\$40.19	8	\$73.88	\$93.975	\$93.975	\$114.07
Group II	\$40.34	8	\$74.03	\$94.20	\$94.20	\$114.37
Group III	\$40.47	8	\$74.16	\$94.395	\$94.395	\$114.63
Group IV	\$40.66	8	\$74.35	\$94.68	\$94.68	\$115.01
Group V	\$40.69	8	\$74.38	\$94.725	\$94.725	\$115.07
Group VI	\$40.72	8	\$74.41	\$94.77	\$94.77	\$115.13
Group VII	\$40.97	8	\$74.66	\$95.145	\$95.145	\$115.63
Group VIII	\$41.22	8	\$74.91	\$95.52	\$95.52	\$116.13
Group IX	\$41.42	8	\$75.11	\$95.82	\$95.82	\$116.53
Group X	\$41.72	8	\$75.41	\$96.27	\$96.27	\$117.13
Group XI	\$42.22	8	\$75.91	\$97.02	\$97.02	\$118.13

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$20.12
Pension	\$8.00
Vacation and Holiday ^c	\$3.15
Training	\$1.92
Other	\$0.50

Wages and total hourly rates (including employer payments):

Classification ^d (Subjourneyman)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^b (1½x)	Sunday/Holiday Overtime Hourly Rate (2 x)
0-2000 hours	\$24.40	8	\$56.94	\$69.14	\$69.14	\$81.34
2001-4000 hours	\$26.40	8	\$59.19	\$72.39	\$72.39	\$85.59
4001-6000 hours	\$28.40	8	\$61.44	\$75.64	\$75.64	\$89.84

Over 6000 hours and thereafter at journeyman rates.

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$20.12
Pension	\$8.00
Vacation and Holiday ^c	\$2.00 (\$2.25 for 2001-4000 hours; \$2.50 for 4001-6000 hours)
Training	\$1.92
Other	\$0.50

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Classifications:

Group I

Warehouseman and Teamster

Group II

Driver of Vehicle or Combination of Vehicles - 2 axles
Traffic Control Pilot Car, excluding moving heavy
equipment permit load
Truck Mounted Power Broom

Group III

Driver of Vehicle or Combination of Vehicles - 3 axles
Bootman
Cement Mason Distribution Truck
Fuel Truck Driver
Water Truck - 2 axles
Dump Truck of less than 16 yards water level
Erosion Control Driver

Group IV

Driver of Transit Mix Truck-Under 3 yds
Dumpcrete Truck Less than 6½ yards water level
Truck Repairman Helper

Group V

Water Truck 3 or more axles
Warehouseman Clerk
Slurry Truck Driver

Group VI

Driver of Transit Mix Truck - 3 yds or more
Dumpcrete Truck 6½ yds water level and over
Driver of Vehicle or Combination of Vehicles - 4 or
more axles
Driver of Oil Spreader Truck
Dump Truck 16 yds to 25 yds water level

Side Dump Trucks
Flow Boy Dump Trucks

Group VII

A Frame, Swedish Crane or Similar
Forklift Driver
Ross Carrier Driver

Group VIII

Dump Truck of 25 yds to 49 yards water level
Truck Repairman
Water Pull Single Engine
Welder

Group IX

Truck Repairman Welder
Low Bed Driver, 9 axles or over

Group X

Working Truck Driver
Truck Greaser and Tireman - \$0.50 additional for
Tireman
Pipeline and Utility Working Truck Driver, including
Winch Truck and Plastic Fusion, limited to Pipeline
and Utility Work
Dump Truck and Articulating - 50 yards or more water
level
Water Pull Single Engine with attachment

Group XI

Water Pull Twin Engine
Water Pull Twin Engine with attachments
Winch Truck Driver - \$0.25 additional when operating
a Winch or similar special attachment

[#] Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage
Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a For classifications within each group, see Page 7.

^b Rate applies to the first 4 daily overtime hours on weekdays and the first 12 hours on Saturday. All other overtime is paid at the Sunday/Holiday double-time rate.

^c Includes an amount for Supplemental Dues.

^d Subjourneymen may be employed at a ratio of one subjourneyman for every five journeymen.

^e The third shift shall work 6.5 hours, exclusive of meal period, for which 8-hours straight time shall be paid at the non-shift rate, Monday through Friday.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

Craft: TREE MAINTENANCE (LABORER) ¹

(APPLIES ONLY TO ROUTINE TREE MAINTENANCE WORK, NOT CONSTRUCTION AND/OR LANDSCAPE CONSTRUCTION) ²

Determination:

SC-102-X-20-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and Employer Payments:

Classification ^a (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation and Holiday	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1 ½ X)	Sunday/Holiday Overtime Hourly Rate (2 X)
Senior Tree Trimmer	\$25.19	\$3.50	\$2.26	\$2.47	\$0.00	\$0.30	8.0	\$33.72	\$46.315	\$58.91
Tree Trimmer	\$23.19	\$3.50	\$2.26	\$2.27	\$0.00	\$0.30	8.0	\$31.52	\$43.115	\$54.71
Groundperson	\$21.55	\$3.50	\$2.26	\$2.12	\$0.00	\$0.30	8.0	\$29.73	\$40.505	\$51.28

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

¹ This determination does not apply to the work of a landscape laborer employed on landscape construction (work incidental to construction or post-construction maintenance during the plant installation and establishment period) or to tree trimming work involving line clearance.

² This determination does not apply to the work of a landscape laborer employed on landscape construction (work incidental to construction or post-construction maintenance during the plant installation and establishment period) or to tree trimming work involving line clearance.

^a There shall be at least one Senior Tree Trimmer on crews of three or more.

^b Monday thru Saturday shall constitute a workweek. Rate applies to first 4 overtime hours Monday thru Saturday, and all time worked in excess of forty (40) hours per workweek. All other time is paid at the Sunday and Holiday double-time rate.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS
PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: TUNNEL WORKER (LABORER)

Determination:

SC-23-102-12-2023-1

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara, and Ventura Counties.

Wages and Employer Payments:

Classification ^a (Journey person)	Basic Hourly Rate	Health and Welfare	Pension	Vacation/ Holiday ^b	Training	Other	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^c (1½ X)	Saturday Overtime Hourly Rate ^c (1½ X)	Sunday/ Holiday Overtime Hourly Rate (2 X)
Group I	\$48.03	\$8.95	\$11.62	\$5.02	\$0.75	\$0.67	8	\$75.040	\$99.055	\$99.055	\$123.070
Group II	\$48.35	\$8.95	\$11.62	\$5.02	\$0.75	\$0.67	8	\$75.360	\$99.535	\$99.535	\$123.710
Group III	\$48.81	\$8.95	\$11.62	\$5.02	\$0.75	\$0.67	8	\$75.820	\$100.225	\$100.225	\$124.630
Group IV ^d	\$49.50	\$8.95	\$11.62	\$5.02	\$0.75	\$0.67	8	\$76.510	\$101.260	\$101.260	\$126.010
Group V	\$50.35	\$8.95	\$11.62	\$5.02	\$0.75	\$0.67	8	\$77.360	\$102.535	\$102.535	\$127.710

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Classifications:

Group I

Batch Plant Laborer
Bottom Lander
Changehouseman
Dumpman
Outside Dumpman
Loading and Unloading Agitator Cars
Nipper
Pot Tender using mastic or other materials
Rollover Dumpman
Shotcrete Man (helper)
Subsurface Laborer (non-miner)
Swamper/Brakemen (Brakeman and Switchman on tunnel work)
Tool Man
Top Lander
Tunnel Materials Handling Man

Group II

Chemical Grout Jetman
Chucktender, Cabletender
Concrete crew-include Rodders and Spreaders
Grout Mixerman
Grout Pumpman
Operating of Troweling and/or Grouting Machines
Vibratorman, Jack Hammer Pneumatic Tools (except driller)

Group III

Blaster, Driller, Powderman
Bull Gang Mucker, Trackman
Cherry Pickerman
Grout Gunman
Jackleg Miner
Jumbo Man
Kemper and other Pneumatic Concrete Placer Operator

Micro-Tunneling, Micro-Tunneling Systems
Nozzleman
Powderman-Primer House
Primer Man
Sandblaster
Segment Erector
Steel Form Raiser and Setter
Timberman, Retimberman, wood or steel
Tunnel Concrete Finisher

Group IV

Shaft and Raise Work^d
Diamond Driller
HDPE Membrane Vapor Barrier Welder
Miner - Tunnel (hand or machine)

Group V

Welder, certified as required

^a For classifications within each group, see Page 2.

^b Includes an amount per hour worked for supplemental dues.

^c All work performed over 12 hours in a single work day shall be paid for at double time (2x).

^d The classification “Shaft and Raise Work” shall be applicable to all work from the entrance to the shaft or raise and including surge chambers. This classification shall apply to all work involving surge chambers up to ground level.

GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: TUNNEL (OPERATING ENGINEER) #

Determination:

SC-23-63-2-2023-2C

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journeyman)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^c (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group 1	\$57.75	8	\$90.56	\$119.435	\$119.435	\$148.310
Group 2	\$58.53	8	\$91.34	\$120.605	\$120.605	\$149.870
Group 3	\$58.82	8	\$91.63	\$121.040	\$121.040	\$150.450
Group 4	\$58.96	8	\$91.77	\$121.250	\$121.250	\$150.730
Group 5	\$59.18	8	\$91.99	\$121.580	\$121.580	\$151.170
Group 6	\$59.29	8	\$92.10	\$121.745	\$121.745	\$151.390
Group 7	\$59.41	8	\$92.22	\$121.925	\$121.925	\$151.630
Group 8	\$60.76	8	\$93.57	\$123.950	\$123.950	\$154.330
Group 9	\$59.71	8	\$92.52	\$122.375	\$122.375	\$152.230

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$12.85
Pension ^d	\$14.65
Vacation and Holiday ^e	\$3.85
Training	\$1.05
Other	\$0.41

GENERAL PREVAILING WAGE DETERMINATION MADE BY
THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE
PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1
FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: TUNNEL (OPERATING ENGINEER) (MULTI-SHIFT) #

Determination:

SC-23-63-2-2023-2C

Issue Date:

August 22, 2023

Expiration date of determination:

June 30, 2024** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

Localities:

All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara and Ventura Counties.

Wages and total hourly rates (including employer payments):

Classification ^a (Journey person)	Basic Hourly Rate	Hours	Total Hourly Rate	Daily Overtime Hourly Rate ^b (1½ x)	Saturday Overtime Hourly Rate ^c (1½ x)	Sunday/Holiday Overtime Hourly Rate (2 x)
Group 1	\$57.75	7.5	\$90.56	\$119.435	\$119.435	\$148.310
Group 2	\$58.53	7.5	\$91.34	\$120.605	\$120.605	\$149.870
Group 3	\$58.82	7.5	\$91.63	\$121.040	\$121.040	\$150.450
Group 4	\$58.96	7.5	\$91.77	\$121.250	\$121.250	\$150.730
Group 5	\$59.18	7.5	\$91.99	\$121.580	\$121.580	\$151.170
Group 6	\$59.29	7.5	\$92.10	\$121.745	\$121.745	\$151.390
Group 7	\$59.41	7.5	\$92.22	\$121.925	\$121.925	\$151.630
Group 8	\$60.76	7.5	\$93.57	\$123.950	\$123.950	\$154.330
Group 9	\$59.71	7.5	\$92.52	\$122.375	\$122.375	\$152.230

Employer Payments:

Type of Fund	Amount per Hour
Health and Welfare	\$12.85
Pension ^d	\$14.65
Vacation and Holiday ^e	\$3.85
Training	\$1.05
Other	\$0.41

Recognized holidays:

Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Travel and/or subsistence payment:

In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the [Director's General Prevailing Wage Determinations Website](http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm) (<http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>). Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

Classifications:

Group 1

Heavy Duty Repairman Helper

Group 2

Skiploader (wheel type up to $\frac{3}{4}$ yd. without attachment)

Group 3

Chainman

Power-Driver Jumbo Form Setter Operator

Group 4

Dinkey Locomotive or Motorman (up to and including 10 tons)

Rodman

Group 5

Bit Sharpener

Equipment Greaser (Grease Truck)

Instrumentman

Slip Form Pump Operator (power driven hydraulic lifting device for concrete forms)

Tugger Hoist Operator (1 drum)

Tunnel Locomotive Operator (over 10 and up to and including 30 tons)

Welder-General

Group 6

Backhoe Operator (up and including $\frac{3}{4}$ yd.) Small Ford, Case or similar types

Drill Doctor

Grouting Machine Operator

Heading Shield Operator

Heavy Duty Repairman

Jumbo Pipe Carrier

Loader Operator (Athey, Euclid, Sierra and similar types)

Mucking Machine Operator ($\frac{1}{4}$ yd rubber tired, rail or track type)

Pneumatic Concrete Placing Machine Operator (Hackley-Presswell or similar type)

Pneumatic Heading Shield (Tunnel)

Pumpcrete Gun Operator

Tractor Compressor Drill Combination Operator

Tugger Hoist Operator (2 drum)

Tunnel Locomotive Operator (over 30 tons)

Group 7

Heavy Duty Repairman-Welder Combination

Group 8

Party Chief

Group 9

Tunnel Mole Boring Machine Operator

MISCELLANEOUS PROVISIONS:

1. Operators on hoists with three drums shall receive fifty cents (50¢) per hour additional pay to the regular rate of pay. The additional pay shall be added to the regular rate and become the base rate for the entire shift.
2. All heavy duty repairman and heavy duty combination shall receive one dollar (\$1.00) per hour tool allowance in addition to their regular rate of pay and this shall become their base rate of pay.
3. Employees required to suit up and work in a hazardous material environment, shall receive Two Dollars (\$2.00) per hour in addition to their regular rate of pay, and that rate shall become the basic hourly rate of pay.

Indicates an apprenticeable craft. The current apprentice wage rates are available on the [Prevailing Wage Apprentice Determinations Website](http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp) (<http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp>).

^a For classifications within each group, see Page 3.

^b Rate applies to the first 4 overtime hours. All other daily overtime is paid at the Sunday rate.

^c Rate applies to the first 12 hours worked. All other time is paid at the Sunday rate.

^d Includes an amount for Annuity.

^e Includes an amount withheld for supplemental dues.

Permits and Agreements
(Brown Pages)

inserted here

Standard and Special Drawings
(Green Pages)

inserted here

LIST OF STANDARD AND SPECIAL DRAWINGS (GREEN PAGES)

NOTICE TO RESIDENTS (ENGLISH/SPANISH)

2023 CALTRANS STANDARD PLANS

A3A	Abbreviations (Sheet 1 of 3)
A3B	Abbreviations (Sheet 2 of 3)
A3C	Abbreviations (Sheet 3 of 3)
A10A	Legend - Lines and Symbols (Sheet 1 of 5)
A10B	Legend - Lines and Symbols (Sheet 2 of 5)
A10C	Legend - Lines and Symbols (Sheet 3 of 5)
A10D	Legend - Lines and Symbols (Sheet 4 of 5)
A10E	Legend - Lines and Symbols (Sheet 5 of 5)
A10F	Legend - Soil (Sheet 1 of 2)
A10G	Legend - Soil (Sheet 2 of 2)
A10H	Legend - Rock
PAVEMENT MARKERS, TRAFFIC LINES, AND PAVEMENT MARKINGS	
A20A	Pavement Markers and Traffic Lines - Typical Details
A20B	Pavement Markers and Traffic Lines - Typical Details
EXCAVATION AND BACKFILL	
A62A	Excavation and Backfill - Miscellaneous Details
A62C	Limits of Payment for Excavation and Backfill - Bridge
OBJECT MARKERS, DELINEATORS, CHANNELIZERS, AND BARRICADES	
A73A	Object Markers
A73B	Markers
A73C	Delineators, Channelizers and Barricades
MIDWEST GUARDRAIL SYSTEM - STANDARD RAILING SECTIONS	
A77L1	Midwest Guardrail System - Standard Railing Section (Wood Post with Wood Block)
A77L2	Midwest Guardrail System - Standard Railing Section (Steel Post with Notched Wood or Notched Recycled Plastic Block)
A77M1	Midwest Guardrail System - Standard Hardware
A77N1	Midwest Guardrail System - Wood Post and Wood Block Details
A77N2	Midwest Guardrail System - Steel Post and Notched Wood Block Details
A77N3	Midwest Guardrail System - Typical Line Post Embedment and Hinge Point Offset Details
A77N4	Midwest Guardrail System - Typical Railing Delineation and Dike Positioning Details
MIDWEST GUARDRAIL SYSTEM - TYPICAL LAYOUTS FOR STRUCTURES	
A77Q1	Midwest Guardrail System - Typical Layouts for Structure Approach
A77Q4	Midwest Guardrail System - Typical Layouts for Structure Departure

**MIDWEST GUARDRAIL SYSTEM - TYPICAL LAYOUTS FOR FIXED OBJECTS
MIDWEST GUARDRAIL SYSTEM - END ANCHORAGE AND RAIL TENSIONING
ASSEMBLY**

A77S1	Midwest Guardrail System - End Anchor Assembly (Type SFT - M)
A77S2	Midwest Guardrail System - Rail Tensioning Assembly
A77S3	Metal Railing Anchor Cable and Anchor Plate Details

**MIDWEST GUARDRAIL SYSTEM - CONNECTION DETAILS AND TRANSITION
RAILING TO BRIDGE RAILINGS, ABUTMENTS AND WALLS**

A77U1	Midwest Guardrail System - Connections to Bridge Railings without Sidewalks Details No. 1
A77U2	Midwest Guardrail System - Connections to Bridge Railings without Sidewalks Details No. 2
A77U4	Midwest Guardrail System - Transition Railing (Type WB-31)
A77U5	Midwest Guardrail System - Transition to Metal Beam Guardrail

FENCES

A84A	Temporary Desert Tortoise Fence
A84B	Desert Tortoise Fence

PAVEMENTS

P74	Pavement Edge Treatments
P76	Pavement Edge Treatments - New Construction

PIPE DOWNDRAINS, ANCHORAGE SYSTEMS AND OVERSIDE DRAINS

D87D	Overside Drains
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LANDSCAPE AND EROSION CONTROL

H1	Landscape and Erosion Control Symbols
H51	Erosion Control Details - Fiber Roll and Compost Sock
H52	Rolled Erosion Control Product

TEMPORARY CRASH CUSHIONS, RAILING AND TRAFFIC SCREEN

T1A	Temporary Crash Cushion, Sand Filled (Unidirectional)
T1A1	Temporary Crash Cushion, Sand Filled (Unidirectional)
T1B	Temporary Crash Cushion, Sand Filled (Bidirectional)
T2	Temporary Crash Cushion, Sand Filled (Shoulder Installations)
T3A	Temporary Railing (Type K)
T3B	Temporary Railing (Type K)
T3C	Temporary Barrier System (Cross Bolt)
T3D	Temporary Barrier System (Cross Bolt)
T3E	Temporary Barrier System (Cross Bolt)

TEMPORARY TRAFFIC CONTROL SYSTEMS

T9	Traffic Control System Tables for Lane and Ramp Closures
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TEMPORARY WATER POLLUTION CONTROL

T51	Temporary Water Pollution Control Details (Temporary Silt Fence)
T53	Temporary Water Pollution Control Details (Temporary Cover)
T56	Temporary Water Pollution Control Details (Temporary Fiber Roll)
T57	Temporary Water Pollution Control Details (Temporary Check Dam)
T58	Temporary Water Pollution Control Details (Temporary Construction Entrance)
T59	Temporary Water Pollution Control Details (Temporary Concrete Washout Facility)

BRIDGE DETAILS

B0-1	Bridge Details
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B0-3 Bridge Details

B0-13 Bridge Details

CONCRETE BARRIERS

B11-83 Concrete Barrier Type 85 Details No. 1

B11-84 Concrete Barrier Type 85 Details No. 2

B11-85 Concrete Barrier Type 85 Details No. 3

ROADSIDE SIGNS

RS1 Roadside Signs - Typical Installation Details No. 1

RS2 Roadside Signs - Wood Post - Typical Installation Details No. 2

RS4 Roadside Signs - Typical Installation Details No. 4

OVERHEAD AND ROADSIDE SIGNS PANELS

S93 Framing Details for Framed Single Sheet Aluminum Signs, Rectangular Shape

S94 Roadside Framed Single Sheet Aluminum Signs, Rectangular Shape

S95 Roadside Single Sheet Aluminum Signs, Diamond Shape



NOTICE TO THE RESIDENTS OF NATIONAL TRAILS HIGHWAY AT DOLA AND LANZIT DITCHES

The San Bernardino County Department of Public Works has contracted with (Company name) for the (type of work) of (name of road) in the (city) area. The construction shall include (detailed description of work).

This work will be performed between the dates of (start date) and (end date).

Normal working hours will be between the hours of _____ A.M. and _____ P.M. Monday through Friday.

There will be "No Parking Signs" posted on your street indicating the specific dates work will be performed on the street. During the time we are working, access to the public will be limited and we ask the following:

1. Do not park your vehicles on the roadway
2. Do not allow water to run on the roadway
3. Do not allow children to play in the roadway
4. Do not place trash cans or other debris on the roadway

We regret any inconvenience that this work may cause you and we thank you for your cooperation in assisting us in rebuilding your street.

Thank you.

(Company name)

(Company contact name)

(Company phone number)

If you need further assistance contact the Department of Public Works at (909) 387-7920



NOTIFICACIÓN A LOS RESIDENTES DE NATIONAL TRAILS HIGHWAY AT DOLA AND LANZIT DITCHES

El Departamento de Obras Públicas de San Bernardino County, a contratado con (Company name) para (type of work) la calle llamada (name of road) en la ciudad de (city). La construcción va a incluir (detailed description of work).

Este trabajo será hecho entre la fecha de (start date) y (end date). Las horas elegidas para hacer este trabajo serán entre las _____ de la mañana y _____ de la tarde de lunes a viernes.

Habrà letreros indicando que “No Habrà Estacionamiento” en la calle y especificando el horario cuando el trabajo será hecho. Durante el tiempo que estaremos trabajando en la calle, la entrada para el público será limitada y por esta razón pedimos lo siguiente:

- No estacionen sus vehículos en la calle.
- No permita que corre el agua hacia la calle.
- No permita que los niños jueguen en la calle.
- No ponga los botes de basura o cualquier otra basura en la calle.

Lamentamos la inconveniencia que causara este trabajo y les agradecemos por su cooperación y asistencia en el mejoramiento de su calle.

Muchas Gracias.

(Company name)
(Company contact name)
(Company phone number)

Si necesita asistencia favor de hablar al Departamento de Obras Publicas, (909) 387-7920.

A	
AB	AGGREGATE BASE
ABBC	ASBESTOS BONDED BITUMINOUS COATED
ABM	AIR-BLOWN MORTAR
Abn	ABANDON
ABS	ACRYLONITRILE-BUTADIENE-STYRENE
Abut	ABUTMENT
AC	ASPHALT CONCRETE
AC+	UNGROUND CONDUCTOR
ACB	ASPHALT CONCRETE BASE
ACC	ARMOR-CLAD CONDUCTORS
ACP	ASBESTOS CEMENT PIPE
Adj	ADJUST
	ADJUSTABLE
	ADJACENT
ADL	ADDED DEAD LOAD
ADT	AVERAGE DAILY TRAFFIC
AFES	ALTERNATIVE FLARED END SECTION
Ahd	AHEAD
AIC	AUXILIARY IRRIGATION CONTROLLER
Alt	ALTERNATE
	ALTERNATIVE
AM	TIME FROM MIDNIGHT TO NOON
Amend	AMENDMENT
AP	ALTERNATIVE PIPE
APC	ALTERNATIVE PIPE CULVERT
Approx	APPROXIMATE
APS	ACCESSIBLE PEDESTRIAN SIGNAL
APU	ALTERNATIVE PIPE UNDERDRAIN
ARS	ACCELERATION RESPONSE SPECTRUM
ARV	AIR RELEASE VALVE
AS	AGGREGATE SUBBASE
ASP	ALTERNATIVE SLOTTED PIPE
ASRP	ALUMINUM SPIRAL RIB PIPE
Asby	ASSEMBLY
ATPB	ASPHALT TREATED PERMEABLE BASE
ATPM	ASPHALT TREATED PERMEABLE MATERIAL
Auto	AUTOMATIC
Aux	AUXILIARY
AVB	ATMOSPHERIC VACUUM BREAKER
Ave	AVENUE
Avq	AVERAGE

B	
B & B	BALLED AND BURLAPPED
BAGR	BRIDGE APPROACH GUARD RAILING
Batt	BATTERY
BB	BEGINNING OF BRIDGE
B/B	BRASS/BRONZE
B/B/PI	BRASS/BRONZE/PLASTIC
B-B	BACK-TO-BACK
BBS	BATTERY BACKUP SYSTEM
BC	BEGIN HORIZONTAL CURVE
	BOLT CIRCLE
BCR	BEGIN CURB RETURN
Beg	BEGIN
BFM	BONDED FIBER MATRIX
Bit Ctd	BITUMINOUS COATED
Bk	BACK
Bkf	BACKFILL
Bldg	BUILDING
Bik	BLACK
BLM	BRIDGE-LOG MILE
Blvd	BOULEVARD
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICE
Bot	BOTTOM

B continued	
BP	BOOSTER PUMP, BYPASS
BPA	BACKFLOW PREVENTER ASSEMBLY
BPB	BICYCLE PUSH BUTTON
BPE	BACKFLOW PREVENTER ENCLOSURE
B/PI	BRASS/PLASTIC
Br	BRIDGE
Brg	BEARING
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BVC	BEGIN VERTICAL CURVE
BW	BARBED WIRE

C	
C	CONDUIT, CHANNEL (STRUCTURAL STEEL SHAPE)
CAA	CABLE ANCHOR ASSEMBLY
CAP	CORRUGATED ALUMINUM PIPE
CAPA	CORRUGATED ALUMINUM PIPE ARCH
CARV	COMBINATION AIR RELEASE VALVE
CAS	CONSTRUCTION AREA SIGN
CB	CONCRETE BARRIER, CIRCUIT BREAKER, COUPLING BAND, COMPOST BERM
CBW	CONCRETE BLOCK WALL
C-C	CENTER TO CENTER
CCA	CAM COUPLER ASSEMBLY
CCTV	CLOSED CIRCUIT TELEVISION
CEC	CONTROLLER ENCLOSURE CABINET
CG	CENTER OF GRAVITY
CHDPE	CORRUGATED HIGH DENSITY POLYETHYLENE
Chnl	CHANNEL
CI	CAST IRON
CIDH	CAST-IN-DRILLED-HOLE
CIP	CAST-IN-PLACE, CAST IRON PIPE
CIPCP	CAST IN PLACE CONCRETE PIPE
CISS	CAST-IN-STEEL-SHELL
CJP	COMPLETE JOINT PENETRATION
CK+	CIRCUIT
CL	CHAIN LINK
CL-6	CHAIN LINK FENCE (6 FT)
CI	CLASS
Cir	CLEAR, CLEARANCE
CM	CENTER MARGIN LIGHT
CMP	CORRUGATED METAL PIPE
CMS	CHANGEABLE MESSAGE SIGN
CNC	CONTROL AND NEUTRAL CONDUCTORS
Cnt	CONTROL
Co	COUNTY
Col	COLUMN
Comm	COMMUNICATION
Conc	CONCRETE
Conn	CONNECTOR
Conet	CONSTRUCT, CONSTRUCTION
Cont	CONTINUOUS
Coord	COORDINATE
CP	CANDLEPOWER, CATCH POINT, COPPER PIPE

C continued	
Cr	CREEK
CRCP	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT
CRSP	CONCRETED ROCK SLOPE PROTECTION
CS	COMPOST SOCK
CSP	CORRUGATED STEEL PIPE
CSPA	CORRUGATED STEEL PIPE ARCH
CST	CENTER STRIP
C+	COURT
CTB	CEMENT TREATED BASE
CTID	CALTRANS IDENTIFICATION
CTPB	CEMENT TREATED PERMEABLE BASE
CTPM	CEMENT TREATED PERMEABLE MATERIAL
Ctra	CENTERS
Cuiv	CULVERT
CV	CHECK VALVE

D	
D	DEPTH, DIRECTION (IN PERCENT) OF HEAVIER TRAFFIC FLOW
Db	DOUBLE
Dbi	DOWNDRAIN
Deg	DEGREE
Del	DELINEATOR
Det	DETAIL, DETOUR
DF	DOUGLAS FIR
DG	DECOMPOSED GRANITE
DHV	DESIGN HOURLY VOLUME
DI	DRAINAGE INLET, DROP INLET
Dia	DIAMETER
Diaph	DIAPHRAGM
DIP	DUCTILE IRON PIPE
Dist	DISTANCE, DISTRICT
DIT	DRIP IRRIGATION TUBING
DLC	LOOP DETECTOR LEAD-IN CABLE
DMBB	DOUBLE METAL BEAM BARRIER
DN	DIAMETER NOMINAL
Dr	DRIVE
DTBB	DOUBLE THRIE BEAM BARRIER
DVA	DRIP VALVE ASSEMBLY
Dwy	DRIVEWAY

E	
E	EAST
Ease	EASEMENT
EB	END OF BRIDGE, EASTBOUND
EC	END HORIZONTAL CURVE, EROSION CONTROL
ECR	END CURB RETURN
ECTC	EROSION CONTROL TECHNOLOGY COUNCIL
ED	EDGE DRAIN
EDC	EDGE DRAIN CLEANOUT
EDO	EDGE DRAIN OUTLET
EDV	EDGE DRAIN VENT
Elec	ELECTROLIER
Elec+	ELECTRIC, ELECTRICAL
Elev	ELEVATION

E continued	
EII	ELBOW
Emb	EMBANKMENT
EMS	EXTINGUISHABLE MESSAGE SIGN
Encl	ENCLOSURE
Engr	ENGINEER
EOD	EDGE OF DECK
EP	EDGE OF PAVEMENT
Eq	EQUATION
ERS	EARTH RETAINING STRUCTURE
ES	EDGE OF SHOULDER
ESA	ENVIRONMENTALLY SENSITIVE AREA
ESAL	EQUIVALENT SINGLE AXLE LOADS
EST	END STRIP
Estb	ESTABLISHMENT
ETW	EDGE OF TRAVELED WAY
EVC	END VERTICAL CURVE
EVUC	EMERGENCY VEHICLE UNIT CABLE
EVUD	EMERGENCY VEHICLE UNIT DETECTOR
EW	ENDWALL
Exc	EXCAVATION
Exlat	EXISTING
Exp	EXPANSION
Exp J+	EXPANSION JOINT
Ext	EXTERIOR
Exwy	EXPRESSWAY

F	
F	FILL, FULL CIRCLE
F & C	FRAME AND COVER
F & G	FRAME AND GRATE
FB	FLOOR BEAM, FLASHING BEACON
FBE	FLASHING BEACON ENCLOSURE
FBS	FLASHING BEACON WITH SLIP BASE
FCV	FLOW CONTROL VALVE
Fdn	FOUNDATION
FEBT	FACING EASTBOUND TRAFFIC
Fert	FERTILIZER
FES	FLARED END SECTION
FF	FILTER FABRIC
FG	FINISH GRADE
FH	FIRE HYDRANT, FLEXIBLE HOSE
Fig	FIGURE
FIPT	FEMALE IRON PIPE THREAD
FIS	FERTILIZER INJECTOR SYSTEM
FL	FLOW LINE
FNBT	FACING NORTHBOUND TRAFFIC
FO	FIBER OPTIC
FOB	FREE ON BOARD
FOC	FACE OF CONCRETE
F/P	FULL/PART CIRCLE
FR	FIBER ROLL
Fr Rd	FRONTAGE ROAD
FS	FAR SIDE, FINISHED SURFACE, FLOW SENSOR
FSBT	FACING SOUTHBOUND TRAFFIC
FSC	FLOW SENSOR CABLE
Ftg	FOOTING
FV	FLUSH VALVE
FWBT	FACING WESTBOUND TRAFFIC
Fwy	FREEWAY

Dist	COUNTY	ROUTE	TOTAL PROJECT	SHEET TOTAL
David M. Nolas REGISTERED CIVIL ENGINEER May 1, 2023 PLANS APPROVAL DATE THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.				
PROFESSIONAL ENGINEER David M. Nolas C10022 Exp. - 8-30-24 CIVIL STATE OF CALIFORNIA				

GENERAL RULES:

- Words are preferred over abbreviations and acronyms.
- Use words in notes, except where space is limited on the plan sheet.
- Do not use abbreviations or acronyms where the meaning may be in doubt.
- Abbreviations and acronyms may be used in callouts, dimensions, and tables.
- Use upper and lower case letters for abbreviation of a single word.
e.g., Misc = miscellaneous
and Bit Ctd = bituminous coated
- Use all upper case letters for acronyms.
e.g., BCR = begin curb return

UNITS OF MEASUREMENT:

- See Tables A, B and C on Standard Plan A3C.
- Units of measurement are not part of abbreviations and acronyms.
The above abbreviation and acronym general rules do not apply.

SYMBOLS:

- See Table D on Standard Plan A3C.

SLOPES, FLARES, AND TAPERS:

- Side slopes:
X:Y - horizontal:vertical
- Flares and tapers:
X:Y - longitudinal: lateral

 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
 (SHEET 1 OF 3)**
A3A

G	
G	GROOVE,
g	EQUIPMENT GROUNDING CONDUCTOR
Go	ACCELERATION DUE TO GRAVITY
Galv	GAUGE
GARV	GALVANIZED
GARVA	GARDEN VALVE
GB	GARDEN VALVE ASSEMBLY
GFCI	GROUND BUS
GM	GROUND FAULT CIRCUIT INTERRUPTER
GP	GRAVEL MULCH
GPH	GRADING PLANE
GPM	GALLONS PER HOUR
GR	GALLONS PER MINUTE
Grn	GUARD RAILING
GSP	GREEN
Gtr	GALVANIZED STEEL PIPE
GV	GUTTER
	GATE VALVE
H	
H	HEIGHT,
HAR	HALF CIRCLE
h, hr	HIGHWAY ADVISORY RADIO
HD	HOUR
HDPE	HORIZONTAL DRAIN
hdwl	HIGH DENSITY POLYETHYLENE
Hdx	HEADWALL
Hdx Hd	HEXAGONAL
HMA	HEXAGONAL HEAD
Hor'iz	HOT MIX ASPHALT
HOV	HORIZONTAL
HP	HIGH OCCUPANCY VEHICLE
	HINGE POINT,
	HORSEPOWER
HPL	HIGH PRESSURE LINE
HPS	HIGH PERFORMANCE STEEL,
	HIGH PRESSURE SODIUM
HS	HIGH STRENGTH
HSS	HOLLOW STRUCTURAL SECTION
HW	HEADWALL,
HW	HIGH WATER
HW	HIGH WATER MARK
Hwy	HIGHWAY
I	
IB	IMPORTED BORROW
IC	IRRIGATION CONTROLLER
ICC	IRRIGATION CONTROLLER(S) IN
	CONTROLLER ENCLOSURE CABINET
ID	INSIDE DIAMETER
IF	INSIDE FACE
IFS	IRRIGATION FILTRATION SYSTEM
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN
Int	INTERIOR
Inv	INVERT
IPS	IRON PIPE SIZE
IPT	IRON PIPE THREAD
Irr	IRRIGATION
ISL	INDUCTION SIGN LIGHTING
J	
Jct	JUNCTION
JP	JOINT POLE
JPCP	JOINTED PLAIN CONCRETE PAVEMENT
JS	JUNCTION STRUCTURE
Jt	JOINT

K	
L	
L	LENGTH,
Lat	ANGLE (STRUCTURAL STEEL SHAPE)
LCB	LATITUDE
LED	LEAN CONCRETE BASE
LMA	LIGHT EMITTING DIODE
Ln	LUMINAIRE MAST ARM
Loc	LANE
LOL	LOCATION
Long	LAYOUT LINE
Longit	LONGITUDE
LPS	LONGITUDINAL
LS	LOW PRESSURE SODIUM
Lt	LUMP SUM
Ltg	LEFT
Lum	LIGHTING
	LUMINAIRE
M	
M	METERED
Main	MAINTENANCE
MAS	MAST ARM MOUNTING SIDE ATTACHMENT
MAT	MAST ARM MOUNTING TOP ATTACHMENT
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
MBPS	MANUAL BYPASS SWITCH
MCV	MANUAL CONTROL VALVE
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
MIC	MASTER IRRIGATION CONTROLLER
Min	MINIMUM
MIPT	MALE IRON PIPE THREAD
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
M/M	MULTIPLE TO MULTIPLE TRANSFORMER
Mod	MODIFIED,
	MODIFY
Mon	MONUMENT
MP	MOUNT
MPGR	MOUNTING
MR	MATERIAL
MSE	MERCURY VAPOR LIGHTING FIXTURE
Mt	MOVEMENT RANGE
Mt	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN,
Mt	MOUNT
Mtg	MOUNTING
Mtl	MATERIAL
MV	MERCURY VAPOR LIGHTING FIXTURE
MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
MVP	MAINTENANCE VEHICLE PULLOUT
N	
N	NORTH,
NB	NEUTRAL (GROUNDED CONDUCTOR)
NB	NORTHBOUND,
NC	NEUTRAL BUS
	NORMALLY CLOSE

N continued	
NCN	NO COMMON NAME
NL	NOZZLE LINE
NO	NORMALLY OPEN
No.	NUMBER (MUST HAVE PERIOD)
No.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NPT	NATIONAL PIPE THREAD
NS	NEAR SIDE
NTS	NOT TO SCALE
O	
Obir	OBLITERATE
OC	OVERCROSSING
O/C	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
OL	OVERLAP
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN
P	
P	PAGE,
	PITCH,
	PART CIRCLE,
PAP	NUMBER OF POLES FOR A CIRCUIT BREAKER
PB	PERFORATED ALUMINUM PIPE
PBA	PULL BOX
PC	PUSH BUTTON ASSEMBLY
	POINT OF CURVATURE,
PCC	PRECAST
	POINT OF COMPOUND CURVE,
PCMS	PORTLAND CEMENT CONCRETE
PCP	PORTABLE CHANGEABLE MESSAGE SIGN
	PERFORATED CONCRETE PIPE,
PCVC	PRESTRESSED CONCRETE PIPE
PE	POINT OF COMPOUND VERTICAL CURVE
PEC	POLYETHYLENE
	PERMIT TO ENTER AND CONSTRUCT,
Ped	PHOTOELECTRIC CONTROL
Per'm Mtl	PEDESTRIAN
PEU	PERMEABLE MATERIAL
PG	PHOTOELECTRIC UNIT
PI	PROFILE GRADE
PJP	POINT OF INTERSECTION
Pkt	PARTIAL JOINT PENETRATION
Pkwy	PACKET
PL	PARKWAY
PI	PLATE
P/L	PLASTIC
PLS	PROPERTY LINE
Pit	PURE LIVE SEED
	PLANT,
Pit Estb	PLANTING
	PLANT ESTABLISHMENT

P continued	
PM	POST MILE,
	TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE,
	PEDESTRIAN OVERCROSSING
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE,
	PLASTIC PIPE,
	POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PR	PRESSURE RATED
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRLV	PRESSURE RELIEF VALVE
PRV	PRESSURE REGULATING VALVE
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS	PRESTRESSED
P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY,
	CONDUIT WITH PULL TAPE
PTR	POWER TRANSFER RELAY
PUC	PEDESTRIAN UNDERCROSSING
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT
Q	
Q	QUARTER CIRCLE
QCV	QUICK COUPLING VALVE
Qty	QUANTITY
R	
R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RCV	REMOTE CONTROL VALVE
RCVM	REMOTE CONTROL VALVE (MASTER)
RCVMF	REMOTE CONTROL VALVE (MASTER) W/FLOW SENSOR
RCVP	REMOTE CONTROL VALVE W/PRESSURE REGULATOR
RCW	RECYCLED WATER
Rd	ROAD
Rdwy	ROADWAY
RE	RELOCATED EQUIPMENT
RECP	ROLLED EROSION CONTROL PRODUCT
Reinf	REINFORCED,
	REINFORCEMENT,
	REINFORCING

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
<div style="display: flex; justify-content: space-between;"> <div> <p><i>Daivinder Kinkas</i></p> <p>REGISTERED CIVIL ENGINEER</p> <p>May 1, 2023</p> <p>PLANS APPROVAL DATE</p> <p>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p> </div> <div> <p>REGISTERED PROFESSIONAL ENGINEER</p> <p>C70022</p> <p>Exp. 8-30-24</p> <p>CIVIL</p> <p>STATE OF CALIFORNIA</p> </div> </div>					

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ABBREVIATIONS
(SHEET 2 OF 3)

A3B

[Return to Table of Contents](#)

R continued

Rel	RELOCATE
Repl	REPLACEMENT
Req	REQUIRED
Ret	RETAINING
Rev	REVISED,
	REVISION
RHMA	RUBBERIZED HOT MIX ASPHALT
RICS	REMOTE IRRIGATION CONTROL SYSTEM
Riv	RIVER
RM	ROAD-MIXED,
	RAMP METERING
RP	RADIUS POINT,
	REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION,
	REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD,
	RETAINING WALL
R/W	RIGHT OF WAY
RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
Rwy	RAILWAY

S

S	SOUTH,
	SLIP,
	SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND,
	SLIP BASE
SC	SAND CUSHION
S/C	SAW CUT LINE
Sch	SCHEDULE
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND,
	SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
SIC	SIGNAL INTERCONNECT CABLE
Sig	SIGNAL
Sim	SIMILAR
SM	SELECTED MATERIAL
SMA	SIGNAL MAST ARM
SNS	STREET NAME SIGN
SP	STAND PIPE,
	SERVICE POINT
Spec	SPECIAL,
	SPECIFICATION(S)
SPP	SLOTTED PLASTIC PIPE

S continued

Sq	SQUARE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
SST	SIDE STRIP
St	STREET
Sta	STATION
STBB	SINGLE THREE BEAM BARRIER
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SW	SIDEWALK,
	SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES

T

T	SEMI-TANGENT,
	THIRD CIRCLE,
	THREAD,
	TRUCK TRAFFIC VOLUME (IN PERCENT)
	OF DESIGN HOURLY VOLUME
Tan	TANGENT
TB	TERMINAL BOARD
TBB	THREE BEAM BARRIER
Tbr	TIMBER
T&B	TOP AND BOTTOM
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
TDC	TELEPHONE DEMARCATION CABINET
Temp	TEMPORARY,
	TEMPERATURE,
	TEMPERED
TG	TOP OF GRADE
TI	TRAFFIC INDEX
TLS	TRUCK LOADING STAND PIPE
TMS	TRAFFIC MONITORING STATION
TOS	TRAFFIC OPERATIONS SYSTEM
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
TQ	THREE-QUARTER CIRCLE
Trans	TRANSITION
TRM	TURF REINFORCEMENT MAT
TS	TRANSVERSE,
	TRAFFIC SIGNAL,
	TUBULAR STEEL
TT	TWO-THIRDS CIRCLE
TWSA	TREE WELL SPRINKLER ASSEMBLY
Typ	TYPICAL

U

UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
UPS	UNINTERRUPTIBLE POWER SUPPLY
UPSC	UNINTERRUPTIBLE POWER SUPPLY CONTROLLER
UPSM	UPS MODE

V

V	VALVE,
	DESIGN SPEED
Var	VARIABLE,
	VARIABLES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Veh	VEHICLE
Vert	VERTICAL
Via	VIADUCT
VIVDS	VIDEO IMAGE VEHICLE
	DETECTION SYSTEM
Vol	VOLUME

W

W	WEST,
	WIDTH
W/	WITH
W/O	WITHOUT
WB	WESTBOUND
WH	WEEP HOLE
Wht	WHITE
WIM	WEIGH-IN-MOTION
WM	WIRE MESH,
	WATER METER
WS	WATER SURFACE,
	WYE STRAINER
WSA	WYE STRAINER ASSEMBLY
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
WWW	WELDED WIRE MESH

X

Xfmr	TRANSFORMER
X Sec	CROSS SECTION
Xing	CROSSING

Y

Yr	YEAR
Yrs	YEARS

Z

UNITS OF MEASUREMENT:

Some of the units used in the project plan quantity tables and in the Bid Item List are:

TABLE A

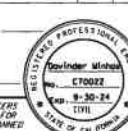
UNIT	DEFINITION
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
LMI	LANE MILE
LS	LUMP SUM
SOFT	SQUARE FOOT
SOYD	SQUARE YARD
STA	100 FEET
TON	2,000 POUNDS

Some of the units used in the plans other than in the project plan quantity tables are:

TABLE B

UNIT	DEFINITION
ksf	KIPS PER SQUARE INCH
kaf	KIPS PER SQUARE FOOT
psf	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH	MILES PER HOUR
oz	OUNCE
lb	POUND
kfp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
<div style="text-align: center;">  </div>				
<div style="text-align: center;"> Davinder Kinkas REGISTERED CIVIL ENGINEER May 1, 2023 PLANS APPROVAL DATE </div>				
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>				

Some of the units used in the Electrical plans are:

TABLE C

UNIT	DEFINITION
A	AMPERE
bps	BITS PER SECOND
Bps	BYTES PER SECOND
FC	FOOT-CANDLE
Hz	HERTZ
k *	KILO
kV	KILOVOLT
kVA	KILOVOLT-AMPERE
KW	KILOWATT
M *	MEGA
m *	MILLI
mA	MILLIAMPERE
min	MINUTE
P *	PICO
S	SECOND
V	VOLT
VA	VOLT-AMPERE
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
W	WATT
Ω	OHM
μ *	MICRO

* Prefix to a unit

SYMBOLS:

Commonly used symbols for U.S. customary units

TABLE D

SYMBOL	DEFINITION
⊙	AT
⊔	CENTERLINE
⌀	NOMINAL DIAMETER, DIAMETER, PHASE
⬜	PLATE
⬚	STATIONLINE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

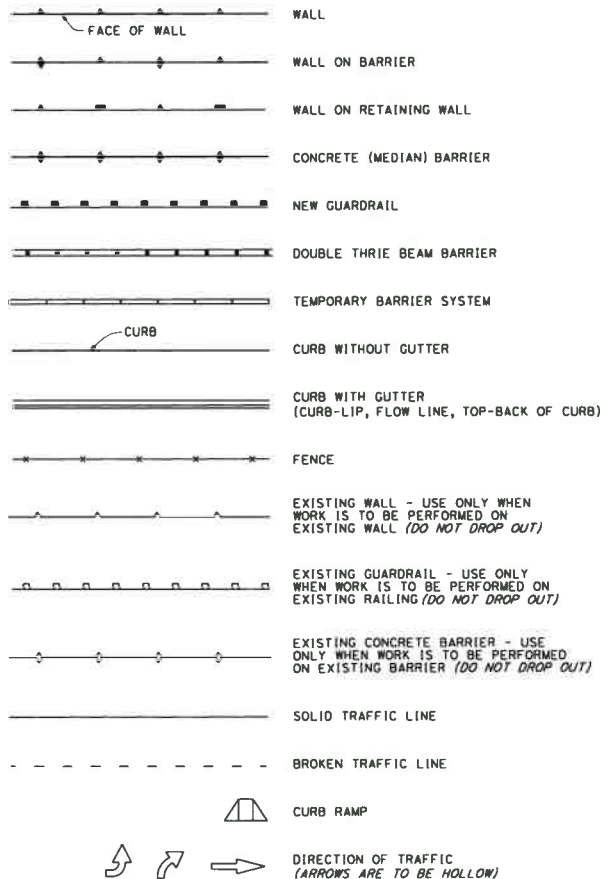
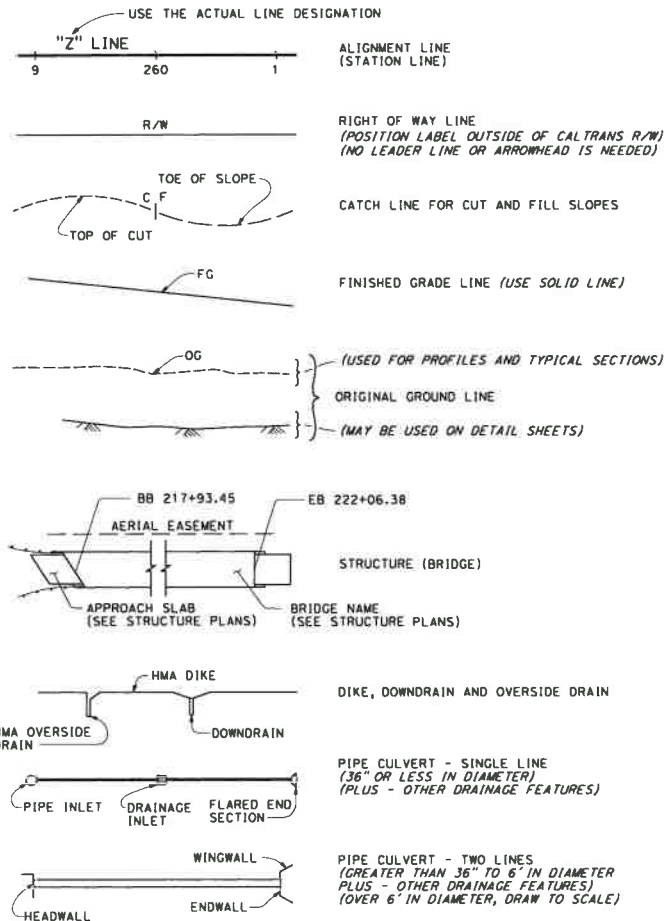
ABBREVIATIONS
(SHEET 3 OF 3)

A3C

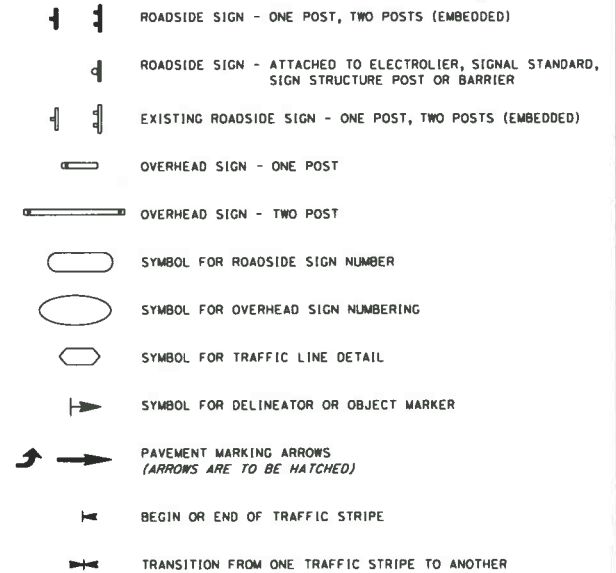
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2023 STANDARD PLAN A3C

SYMBOLGY FOR DESIGN FEATURES



STRIPING AND SIGNING



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LEGEND
LINES AND SYMBOLS
(SHEET 1 OF 5)
NO SCALE

A10A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

Srinivasan S. Nijelle
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
Srinivasan S. Nijelle
No. 9-30-23
C.E.C. 111
STATE OF CALIFORNIA

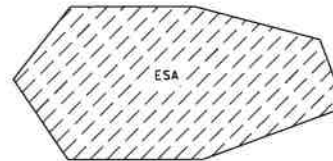
WATER POLLUTION CONTROL

	Temp HIGH-VISIBILITY FENCE
	Temp SILT FENCE
	Temp Reinf SILT FENCE
	Temp FIBER ROLL
	Temp GRAVEL BAG BERM
	Temp STRAW BALE BARRIER
	Temp SLOPE DRAIN FLEX PIPE
	Temp EARTH BERM
	Temp DITCH/SWALE
	Temp CONCRETE WASHOUT
	Temp DRAINAGE INLET PROTECTION
	Temp DRAINAGE OUTLET PROTECTION
	Temp CHECK DAM
	Temp CONSTRUCTION ENTRANCE
	Temp STOCKPILE

BOUNDARY LINE

	STATE OR COUNTRY
	COUNTY OR RESERVATION BOUNDARY
	CITY OR MILITARY BOUNDARY
	FOREST
	SUBDIVISION, SECTION, GRANT
	RANCHO

ENVIRONMENTALLY SENSITIVE AREA (ESA)



DRAINAGE

	DIRECTION FLOW OF WATER
	DRAINAGE SYSTEM SYMBOL
	DRAINAGE UNIT SYMBOL
	DRAINAGE INLET
	DITCH FLOW LINE

DRAFTING

	TILDE - DESIGNATES AN AREA
	NORTH ARROW
	ADDENDUM SHEET SYMBOL (ADDENDUM NUMBER IS INCLUDED INSIDE THE SYMBOL)
	MATCH LINE
	BREAK LINE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LEGEND
LINES AND SYMBOLS
(SHEET 2 OF 5)
NO SCALE

A10B

2023 STANDARD PLAN A10B

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

Subhanshu S. Nigam
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
Subhanshu S. Nigam
C.E. 68818
Exp. 8-30-25
CIVIL
STATE OF CALIFORNIA

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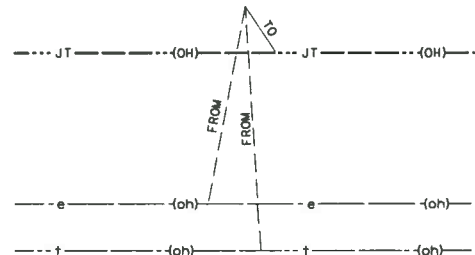
SUBSURFACE FACILITIES

—W—	—W—	—W—	NEW WATER
-v-	-v-	-v-	Exist WATER
—G—	—G—	—G—	NEW NATURAL GAS
-g-	-g-	-g-	Exist NATURAL GAS
—S—	—S—	—S—	NEW SEWER
-s-	-s-	-s-	Exist SEWER
—E—	—E—	—E—	NEW ELECTRICAL
-e-	-e-	-e-	Exist ELECTRICAL
—T—	—T—	—T—	NEW TELEPHONE
-t-	-t-	-t-	Exist TELEPHONE
—GS—	—GS—	—GS—	NEW GASOLINE
-gs-	-gs-	-gs-	Exist GASOLINE
—O—	—O—	—O—	NEW OIL
-o-	-o-	-o-	Exist OIL
—TV—	—TV—	—TV—	NEW TELEVISION
-tv-	-tv-	-tv-	Exist TELEVISION
—ST—	—ST—	—ST—	NEW STEAM
-st-	-st-	-st-	Exist STEAM
—TC—	—TC—	—TC—	NEW TELEMETER CABLE
-tc-	-tc-	-tc-	Exist TELEMETER CABLE
—SD—	—SD—	—SD—	NEW STORM DRAIN
-sd-	-sd-	-sd-	Exist STORM DRAIN
—FO—	—FO—	—FO—	NEW FIBER OPTIC
-fo-	-fo-	-fo-	Exist FIBER OPTIC
—JT—	—JT—	—JT—	NEW JOINT TRENCH
-jt-	-jt-	-jt-	Exist JOINT TRENCH
—RCW—	—RCW—	—RCW—	NEW RECYCLED WATER
-rcw-	-rcw-	-rcw-	Exist RECYCLED WATER
—IRR-C—	—IRR-C—	—IRR-C—	Exist IRRIGATION CONDUIT
-es-c	-es-c	-es-c	Exist ELECTRICAL SYSTEMS CONDUIT

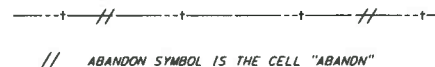
OVERHEAD FACILITIES

—E—	{OH}	—E—	NEW ELECTRICAL
-e-	{oh}	-e-	Exist ELECTRICAL
—TC—	{OH}	—TC—	NEW TELEMETER CABLE
-tc-	{oh}	-tc-	Exist TELEMETER CABLE
—T—	{OH}	—T—	NEW TELEPHONE
-t-	{oh}	-t-	Exist TELEPHONE
—TV—	{OH}	—TV—	NEW TELEVISION
-tv-	{oh}	-tv-	Exist TELEVISION
—FO—	{OH}	—FO—	NEW FIBER OPTIC
-fo-	{oh}	-fo-	Exist FIBER OPTIC
—JT—	{OH}	—JT—	NEW JOINT OVERHEAD
-jt-	{oh}	-jt-	Exist JOINT OVERHEAD

SHOWING THE RELOCATION OF EXISTING FACILITIES TO THE NEW LOCATION



ABANDONED FACILITY



THERE ARE LINE STYLES FOR ABANDONED UNDERGROUND UTILITIES IN THE CALTRANS LINE STYLE RESOURCE FILE (c:\style-ss3.rsc)

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Schlesinger & Nye
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
Schlesinger & Nye
CAREER
EXP. 8-30-23
TILL
STATE OF CALIFORNIA

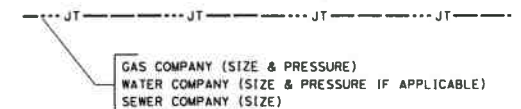
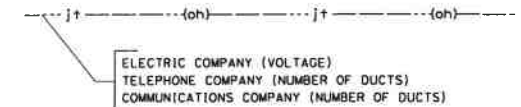
NOTE:

IDENTIFY (LABEL) THE OWNER OF EACH FACILITY PLUS THE SIZE, PRESSURE AND VOLTAGE (IF APPLICABLE) FOR ALL FACILITIES (WHETHER PART OF A JOINT OVERHEAD, JOINT TRENCH OR SOLO INSTALLATION).

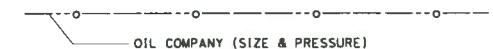
THE TYPE OF FACILITY IS IDENTIFIED BY THE SYMBOLOGY OF THE LINE STYLE CHOSEN (SEE LINE STYLES ON THIS STANDARD PLAN SHEET).

WHEN USING THE JOINT OVERHEAD OR JOINT TRENCH SYMBOLOGY (SEE THE CALTRANS LINE STYLES ON THIS PAGE), USE A BRACKET TO GROUP AND LABEL ALL THE FACILITIES ASSOCIATED WITH THE JOINT OVERHEAD OR TRENCH (SEE THE EXAMPLES BELOW).

JOINT OVERHEAD/TRENCH



SOLO FACILITY



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LEGEND
LINES AND SYMBOLS
(SHEET 3 OF 5)
NO SCALE

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2023 STANDARD PLAN A10C

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EXISTING UTILITY POINT FEATURES

THE LEVEL AND COLOR OF AN EXISTING UTILITY POINT FEATURE SYMBOL MATCHES THE UTILITY TYPE LINE STYLE THAT IT IS ASSOCIATED WITH. THE NAME OF THE STANDARD CELLS FOR EACH SYMBOL VARY SLIGHTLY ACCORDING TO THE FACILITY TYPE (E.G., UT-MH-SEWER, UT-MH-GAS). MULTIPLE VERSIONS OF A PARTICULAR SYMBOL REPRESENTING AN EXISTING UTILITY POINT FEATURE IS USED WHEN EACH IS ASSOCIATED WITH A DIFFERENT FACILITY (E.G., POWER POLE FOR OVERHEAD-ELECTRICAL, TELEPHONE, FIBER OPTIC, JOINT, ETC.). THIS DIFFERENTIATION FACILITATES ASSET MANAGEMENT OF EXISTING UTILITY FEATURES WITHIN THE CALTRANS RIGHT OF WAY.

EXISTING UTILITY CELL SYMBOLOGY REPRESENTING UTILITY POINT FEATURES

ATTRIBUTES (METADATA) FOR UTILITY FEATURES WILL BE LOCATED IN UTILITY DATABASE. ONLY AS-BUILT FACILITIES ARE IN THE UTILITY DATABASE. UTILITY DATABASE DOES NOT INCLUDE NEW FACILITIES TO BE CONSTRUCTED.


 **CABINET:**
ELECTRICAL, FIBER OPTIC, TELECOMMUNICATION,
TELEPHONE, TELEVISION

 **DRAINAGE INLET:**
SEWER, STORM DRAIN

 **FIRE HYDRANT:**
WATER

 **LAMP POST:**
ELECTRICAL

 **METER:**
ELECTRICAL, NATURAL GAS, WATER

 **MANHOLE:**
ELECTRICAL, FIBER OPTIC, GAS, JOINT FACILITY,
NATURAL GAS, OIL, RECYCLED WATER, SEWER,
STEAM, STORM DRAIN, TELECOMMUNICATION,
TELEPHONE, TELEVISION, WATER

 **PULL BOX:**
ELECTRICAL, FIBER OPTIC, JOINT FACILITY,
TELECOMMUNICATION, TELEPHONE, TELEVISION

 **POWER POLE:**
ELECTRICAL, FIBER OPTIC, JOINT FACILITY,
TELECOMMUNICATION, TELEPHONE, TELEVISION

 **TRANSMISSION TOWER:**
ELECTRICAL, FIBER OPTIC, JOINT FACILITY,
TELECOMMUNICATION, TELEPHONE, TELEVISION

 **VALVE:**
WATER, NATURAL GAS

 **VENT:**
GAS, NATURAL GAS, SEWER, STEAM

 **VAULT:**
ELECTRICAL, JOINT FACILITY

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS



Schulman & Nijelle
REGISTERED CIVIL ENGINEER

May 1, 2023
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REGISTERED PROFESSIONAL ENGINEER
S. Nijelle
C.E.C. 9-30-22
CIVIL
STATE OF CALIFORNIA

POSITIVE LOCATION

-  POSITIVE LOCATION SYMBOL
IDENTIFYING THE POTHOLING NUMBER
-  POTHOLING SYMBOL MARKING THE EXACT LOCATION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LEGEND
LINES AND SYMBOLS
(SHEET 4 OF 5)
NO SCALE

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TOPOGRAPHIC MAPPING LINES AND SYMBOLS TOPOGRAPHIC MAPPING IS DROPPED OUT ON FINAL CONTRACT PLANS

	CURB
	LANE STRIPE
	EDGE OF TRAVELED WAY (STATE HIGHWAY)
	EDGE OF TRAVELED WAY (OTHER)
	EDGE OF ASPHALT (SHOULDER)
	CONCRETE
	GUARDRAIL
	MEDIAN BARRIER
	FENCE
	MASONRY WALL
	MASONRY WALL AND FENCE
	RETAINING WALL
	RETAINING WALL AND FENCE
	RETAINING WALL AND MASONRY WALL
	FLOWLINE (NATURAL AND MANMADE)
	EDGE OF BODY OF WATER, SURFACE HATCHED AND SPOT ELEVATION ON SURFACE
	DECK BUILDING COVERED PORCH OR PARKING
	DIRT PILE, ROCK
	POOL, SPA
	TREES, BRUSH, OR VEGETATION OVER 1/2 CONTOUR INTERVAL IN HEIGHT
	VINEYARD ROW
	CATTLE GUARD
	OVERHEAD SIGN - SINGLE POST
	OVERHEAD SIGN - TWO POST
	TRAIL
	DIRT ROAD

SYMBOLS ENLARGED FOR CLARITY

	LEFT TURN LANE ARROW
	HOV LANE (HIGH OCCUPANCY VEHICLE)
	DROP INLET, ROUND DROP INLET
	MANHOLE
	FIRE HYDRANT
	VALVE COVER, STAND PIPE, WELL, UTILITY BOX, RAILROAD CROSSING STANDARD
	UTILITY POLE, POLE AND WIRES, POLE WITH WIRES AND ANCHOR
	TRANSMISSION TOWER
	ELECTROLITER, ELECTROLITER ON POLE
	TRAFFIC SIGNAL, RAILROAD SIGNAL
	CALL BOX
	SIGNS - SINGLE POST, TWO POSTS
	SINGLE TREE, PALM
	MARSH OR SWAMP
	CRASH CUSHION
	TANK
	VOID - OBSTRUCTED AREA, UNABLE TO OBTAIN GROUND INFORMATION PHOTOGRAMMETRICALLY

RAILROAD

	SCALE: 1" = 100'
	SCALE: 1" = 50', 1" = 20'

CONTROL POINTS

	HORIZONTAL AND VERTICAL CONTROL POINT
	HORIZONTAL CONTROL POINT
	VERTICAL CONTROL POINT

TOPOGRAPHY

	INDEX CONTOUR
	INTERMEDIATE CONTOURS
	INDEX CONTOUR (SCALE: 1" = 50')
	GNV CONTOUR (GROUND NOT VISIBLE)
	DEPRESSION CONTOUR
	GNV DEPRESSION CONTOUR
	SPOT ELEVATION (AT DECIMAL POINT)

WATER WAYS

	RIVERS, STREAMS AND CREEKS - SMALL (ONE LINE)
	RIVERS, STREAMS AND CREEKS - LARGE (TWO LINES) (WHICH DEFINES THE WATER EDGE)
	OCEAN - (GRADUATED LINE WEIGHTS)
	WATER EDGE, LAKE, POND, SWAMP

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LEGEND
LINES AND SYMBOLS
(SHEET 5 OF 5)
NO SCALE

A10E

2023 STANDARD PLAN A10E

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REFERENCE: CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL (2022)

DATE	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

de but
CERTIFIED ENGINEERING GEOLOGIST

May 1, 2023
PLANS APPROVAL DATE

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REGISTERED GEOLOGIST
Cyril A. Hunter
No. 56587
STATE OF CALIFORNIA

CEMENTATION	
DESCRIPTION	CRITERIA
WEAK	CRUMBLES OR BREAKS WITH HANDLING OR LITTLE FINGER PRESSURE.
MODERATE	CRUMBLES OR BREAKS WITH CONSIDERABLE FINGER PRESSURE.
STRONG	WILL NOT CRUMBLE OR BREAK WITH FINGER PRESSURE.

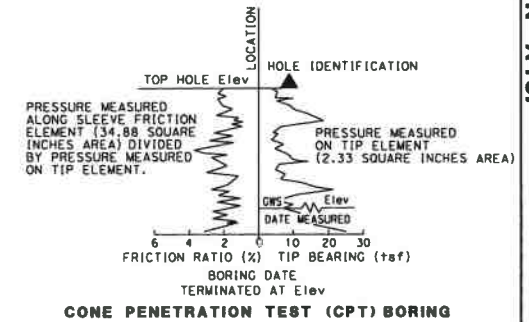
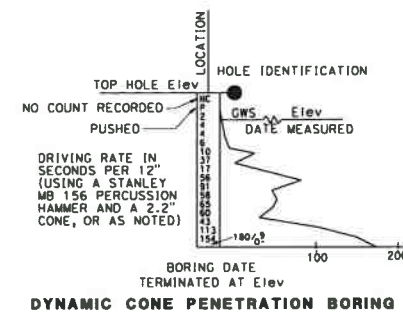
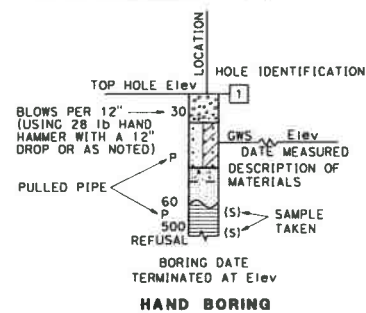
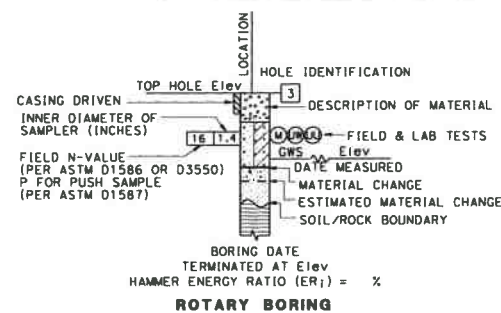
ABBREVIATION:

GWS - GROUND WATER SURFACE

BOREHOLE IDENTIFICATION		
SYMBOL	HOLE TYPE	DESCRIPTION
	A	AUGER BORING (HOLLOW OR SOLID STEM BUCKET)
	R	ROTARY DRILLED BORING (CONVENTIONAL)
	RW	ROTARY DRILLED BORING WITH SELF-CASING WIRE-LINE
	RC	ROTARY CORE WITH CONTINUOUSLY-SAMPLED, SELF-CASING WIRE-LINE
	P	ROTARY PERCUSSION BORING (AIR)
	R	ROTARY DRILLED DIAMOND CORE
	RC	ROTARY DRILLED DIAMOND CORE, CONTINUOUSLY SAMPLED
	HD	HAND DRIVEN (1-INCH SOIL TUBE)
	HA	HAND AUGER
	D	DYNAMIC CONE PENETRATION BORING
	CPT	CONE PENETRATION TEST (ASTM D5778)
	O	OTHER (NOTE ON LOTB)

NOTE: SIZE IN INCHES.

CONSISTENCY OF COHESIVE SOILS				
DESCRIPTION	SHEAR STRENGTH (tsf)	POCKET PENETROMETER MEASUREMENT, PP, (tsf)	TORVANE MEASUREMENT, TV, (tsf)	VANE SHEAR MEASUREMENT, VS, (tsf)
VERY SOFT	LESS THAN 0.12	LESS THAN 0.25	LESS THAN 0.12	LESS THAN 0.12
SOFT	0.12 - 0.25	0.25 - 0.5	0.12 - 0.25	0.12 - 0.25
MEDIUM STIFF	0.25 - 0.5	0.5 - 1	0.25 - 0.5	0.25 - 0.5
STIFF	0.5 - 1	1 - 2	0.5 - 1	0.5 - 1
VERY STIFF	1 - 2	2 - 4	1 - 2	1 - 2
HARD	GREATER THAN 2	GREATER THAN 4	GREATER THAN 2	GREATER THAN 2



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LEGEND - SOIL
(SHEET 1 OF 2)
NO SCALE

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REFERENCE: CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL (2022)

GROUP SYMBOLS AND NAMES			
GRAPHIC/SYMBOL	GROUP NAMES	GRAPHIC/SYMBOL	GROUP NAMES
	GW WELL-GRADED GRAVEL		LEAN CLAY
	GP WELL-GRADED GRAVEL WITH SAND		LEAN CLAY WITH SAND
	GP POORLY-GRADED GRAVEL		SANDY LEAN CLAY
	GP POORLY-GRADED GRAVEL WITH SAND		SANDY LEAN CLAY WITH GRAVEL
	GW-GM WELL-GRADED GRAVEL WITH SILT		GRAVELLY LEAN CLAY
	GW-GM WELL-GRADED GRAVEL WITH SILT AND SAND		GRAVELLY LEAN CLAY WITH SAND
	GW-GC WELL-GRADED GRAVEL WITH CLAY		SILTY CLAY
	GW-GC WELL-GRADED GRAVEL WITH CLAY AND SAND		SILTY CLAY WITH SAND
	GP-GM POORLY-GRADED GRAVEL WITH SILT		SILTY CLAY WITH GRAVEL
	GP-GM POORLY-GRADED GRAVEL WITH SILT AND SAND		SANDY SILTY CLAY
	GP-GC POORLY-GRADED GRAVEL WITH CLAY		SANDY SILTY CLAY
	GP-GC POORLY-GRADED GRAVEL WITH CLAY AND SAND		SANDY SILTY CLAY WITH GRAVEL
	GM SILTY GRAVEL		GRAVELLY SILTY CLAY
	GM SILTY GRAVEL WITH SAND		GRAVELLY SILTY CLAY WITH SAND
	GC CLAYEY GRAVEL		SILT
	GC CLAYEY GRAVEL WITH SAND		SILT WITH SAND
	GC-GM SILTY, CLAYEY GRAVEL		SILT WITH GRAVEL
	GC-GM SILTY, CLAYEY GRAVEL WITH SAND		SANDY SILT
	SW WELL-GRADED SAND		GRAVELLY SILT
	SW WELL-GRADED SAND WITH GRAVEL		GRAVELLY SILT WITH SAND
	SP POORLY-GRADED SAND		ORGANIC LEAN CLAY
	SP POORLY-GRADED SAND WITH GRAVEL		ORGANIC LEAN CLAY WITH SAND
	SW-SM WELL-GRADED SAND WITH SILT		ORGANIC LEAN CLAY WITH GRAVEL
	SW-SM WELL-GRADED SAND WITH SILT AND GRAVEL		SANDY ORGANIC LEAN CLAY
	SW-SC WELL-GRADED SAND WITH CLAY		SANDY ORGANIC LEAN CLAY
	SW-SC WELL-GRADED SAND WITH CLAY AND GRAVEL		SANDY ORGANIC LEAN CLAY WITH GRAVEL
	SP-SM POORLY-GRADED SAND WITH SILT		GRAVELLY ORGANIC LEAN CLAY
	SP-SM POORLY-GRADED SAND WITH SILT AND GRAVEL		GRAVELLY ORGANIC LEAN CLAY WITH SAND
	SP-SC POORLY-GRADED SAND WITH CLAY		ORGANIC SILT
	SP-SC POORLY-GRADED SAND WITH CLAY AND GRAVEL		ORGANIC SILT WITH SAND
	SM SILTY SAND		ORGANIC SILT WITH GRAVEL
	SM SILTY SAND WITH GRAVEL		SANDY ORGANIC SILT
	SC CLAYEY SAND		SANDY ORGANIC SILT
	SC CLAYEY SAND WITH GRAVEL		SANDY ORGANIC SILT WITH GRAVEL
	SC-SM SILTY, CLAYEY SAND		GRAVELLY ELASTIC SILT
	SC-SM SILTY, CLAYEY SAND WITH GRAVEL		GRAVELLY ELASTIC SILT WITH SAND
	PT PEAT		ORGANIC FAT CLAY
	PT COBBLES AND BOULDERS		ORGANIC FAT CLAY WITH SAND
	PT COBBLES AND BOULDERS		ORGANIC FAT CLAY WITH GRAVEL
	PT COBBLES AND BOULDERS		SANDY ORGANIC FAT CLAY
	PT COBBLES AND BOULDERS		SANDY ORGANIC FAT CLAY
	PT COBBLES AND BOULDERS		SANDY ORGANIC FAT CLAY WITH GRAVEL
	PT COBBLES AND BOULDERS		GRAVELLY ORGANIC FAT CLAY
	PT COBBLES AND BOULDERS		GRAVELLY ORGANIC FAT CLAY WITH SAND
	PT COBBLES AND BOULDERS		ORGANIC ELASTIC SILT
	PT COBBLES AND BOULDERS		ORGANIC ELASTIC SILT WITH SAND
	PT COBBLES AND BOULDERS		ORGANIC ELASTIC SILT WITH GRAVEL
	PT COBBLES AND BOULDERS		SANDY ORGANIC ELASTIC SILT
	PT COBBLES AND BOULDERS		SANDY ORGANIC ELASTIC SILT
	PT COBBLES AND BOULDERS		SANDY ORGANIC ELASTIC SILT WITH GRAVEL
	PT COBBLES AND BOULDERS		GRAVELLY ORGANIC ELASTIC SILT
	PT COBBLES AND BOULDERS		GRAVELLY ORGANIC ELASTIC SILT WITH SAND
	PT COBBLES AND BOULDERS		ORGANIC SOIL
	PT COBBLES AND BOULDERS		ORGANIC SOIL WITH SAND
	PT COBBLES AND BOULDERS		ORGANIC SOIL WITH GRAVEL
	PT COBBLES AND BOULDERS		SANDY ORGANIC SOIL
	PT COBBLES AND BOULDERS		SANDY ORGANIC SOIL
	PT COBBLES AND BOULDERS		SANDY ORGANIC SOIL WITH GRAVEL
	PT COBBLES AND BOULDERS		GRAVELLY ORGANIC SOIL
	PT COBBLES AND BOULDERS		GRAVELLY ORGANIC SOIL WITH SAND

FIELD AND LABORATORY TESTING

- (C) CONSOLIDATION
- (CR) CORROSIVITY TESTING
- (CU) CONSOLIDATED UNDRAINED TRIAXIAL
- (DS) DIRECT SHEAR
- (EI) EXPANSION INDEX
- (HC) HYDRAULIC CONDUCTIVITY
- (OC) ORGANIC CONTENT-%
- (PA) PARTICLE SIZE ANALYSIS
- (PI) PLASTICITY INDEX LIQUID LIMIT
- (PL) POINT LOAD INDEX
- (UC) UNCONFINED COMPRESSION - SOIL UNCONFINED COMPRESSION - ROCK
- (UU) UNCONSOLIDATED UNDRAINED TRIAXIAL
- (W) 200 SIEVE TEST

APPARENT DENSITY OF COHESIONLESS SOILS

DESCRIPTION	SPT N ₆₀ (BLOWS/12 INCHES)
VERY LOOSE	0 - 5
LOOSE	5 - 10
MEDIUM DENSE	10 - 30
DENSE	30 - 50
VERY DENSE	GREATER THAN 50

MOISTURE

DESCRIPTION	CRITERIA
DRY	NO DISCERNABLE MOISTURE
MOIST	MOISTURE PRESENT, BUT NO FREE WATER
WET	VISIBLE FREE WATER

PERCENT OR PROPORTION OF SOILS

DESCRIPTION	CRITERIA
TRACE	PARTICLES ARE PRESENT BUT ESTIMATED TO BE LESS THAN 5%
FEW	5% - 10%
LITTLE	15% - 25%
SOME	30% - 45%
MOSTLY	50% - 100%

PARTICLE SIZE

DESCRIPTION	SIZE
BOULDER	GREATER THAN 12"
COBBLE	3" - 12"
GRAVEL	COARSE 3/4" - 3"
	FINE 1/2" - 3/4"
SAND	COARSE 1/16" - 1/8"
	MEDIUM 1/16" - 1/8"
	FINE 1/300" - 1/64"
SILT AND CLAY	LESS THAN 1/300"

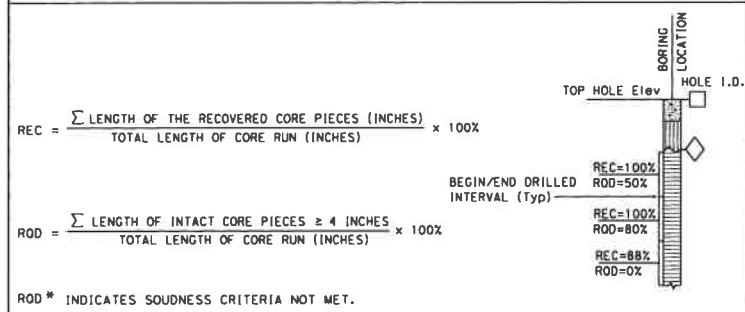
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LEGEND - SOIL
(SHEET 2 OF 2)
NO SCALE

A10G

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REFERENCE: CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL (2022)

PERCENT CORE RECOVERY (REC) & ROCK QUALITY DESIGNATION (RQD)



ROCK HARDNESS

DESCRIPTION	CRITERIA
EXTREMELY HARD	CANNOT BE SCRATCHED WITH A POCKETKNIFE OR SHARP PICK. CAN ONLY BE CHIPPED WITH REPEATED HEAVY HAMMER BLOWS.
VERY HARD	CANNOT BE SCRATCHED WITH A POCKETKNIFE OR SHARP PICK. BREAKS WITH REPEATED HEAVY HAMMER BLOWS.
HARD	CAN BE SCRATCHED WITH A POCKETKNIFE OR SHARP PICK WITH DIFFICULTY (HEAVY PRESSURE). BREAKS WITH HEAVY HAMMER BLOWS.
MODERATELY HARD	CAN BE SCRATCHED WITH POCKETKNIFE OR SHARP PICK WITH LIGHT OR MODERATE PRESSURE. BREAKS WITH MODERATE HAMMER BLOWS.
MODERATELY SOFT	CAN BE GROOVED 1/8" DEEP WITH A POCKETKNIFE OR SHARP PICK WITH MODERATE OR HEAVY PRESSURE. BREAKS WITH LIGHT HAMMER BLOW OR HEAVY MANUAL PRESSURE.
SOFT	CAN BE GROOVED OR GOUGED EASILY BY A POCKETKNIFE OR SHARP PICK WITH LIGHT PRESSURE. CAN BE SCRATCHED WITH FINGERNAIL. BREAKS WITH LIGHT TO MODERATE MANUAL PRESSURE.
VERY SOFT	CAN BE READILY INDENTED, GROOVED OR GOUGED WITH FINGERNAIL, OR CARVED WITH A POCKETKNIFE. BREAKS WITH LIGHT MANUAL PRESSURE.

FRACTURE DENSITY

DESCRIPTION	OBSERVED FRACTURE DENSITY
UNFRACTURED	NO FRACTURES.
VERY SLIGHTLY FRACTURED	CORE LENGTHS GREATER THAN 3 ft.
SLIGHTLY FRACTURED	CORE LENGTHS MOSTLY FROM 1 TO 3 ft.
MODERATELY FRACTURED	CORE LENGTHS MOSTLY FROM 4 INCHES TO 1 ft.
INTENSELY FRACTURED	CORE LENGTHS MOSTLY FROM 1 TO 4 INCHES.
VERY INTENSELY FRACTURED	MOSTLY CHIPS AND FRAGMENTS.

BEDDING SPACING

DESCRIPTION	THICKNESS/SPACING
MASSIVE	GREATER THAN 10'
VERY THICKLY BEDDED	3' - 10'
THICKLY BEDDED	1' - 3'
MODERATELY BEDDED	4" - 1'
THINLY BEDDED	1" - 4"
VERY THINLY BEDDED	1/4" - 1"
LAMINATED	LESS THAN 1/4"

LEGEND OF ROCK MATERIALS

- IGNEOUS ROCK
- SEDIMENTARY ROCK
- METAMORPHIC ROCK

WEATHERING DESCRIPTORS FOR INTACT ROCK

DESCRIPTION	DIAGNOSTIC FEATURES					GENERAL CHARACTERISTICS
	CHEMICAL WEATHERING-DISCOLORATION AND/OR OXIDATION		MECHANICAL WEATHERING-GRAIN BOUNDARY CONDITIONS (DISAGGREGATION) PRIMARILY FOR GRANITICS AND SOME COARSE-GRAINED SEDIMENTS	TEXTURE AND LEACHING		
	BODY OF ROCK	FRACTURE SURFACES		TEXTURE	LEACHING	
FRESH	NO DISCOLORATION, NOT OXIDIZED.	NO DISCOLORATION OR OXIDATION.	NO SEPARATION, INTACT (TIGHT).	NO CHANGE	NO LEACHING	HAMMER RINGS WHEN CRYSTALLINE ROCKS ARE STRUCK.
SLIGHTLY WEATHERED	DISCOLORATION OR OXIDATION IS LIMITED TO SURFACE OF, OR SHORT DISTANCE FROM, FRACTURES; SOME FELDSPAR CRYSTALS ARE DULL.	MINOR TO COMPLETE DISCOLORATION OR OXIDATION OF MOST SURFACES.	NO VISIBLE SEPARATION, INTACT (TIGHT).	PRESERVED	MINOR LEACHING OF SOME SOLUBLE MINERALS.	HAMMER RINGS WHEN CRYSTALLINE ROCKS ARE STRUCK. BODY OF ROCK NOT WEAKENED.
MODERATELY WEATHERED	DISCOLORATION OR OXIDATION EXTENDS FROM FRACTURES USUALLY THROUGHOUT; Fe-Mg MINERALS ARE "RUSTY," FELDSPAR CRYSTALS ARE "CLOUDY."	ALL FRACTURE SURFACES ARE DISCOLORED OR OXIDIZED.	PARTIAL SEPARATION OF BOUNDARIES VISIBLE.	GENERALLY PRESERVED	SOLUBLE MINERALS MAY BE MOSTLY LEACHED.	HAMMER DOES NOT RING WHEN ROCK IS STRUCK. BODY OF ROCK IS SLIGHTLY WEAKENED.
INTENSELY WEATHERED	DISCOLORATION OR OXIDATION THROUGHOUT; ALL FELDSPARS AND Fe-Mg MINERALS ARE ALTERED TO CLAY TO SOME EXTENT; OR CHEMICAL ALTERATION PRODUCES IN-SITU DISAGGREGATION, SEE GRAIN BOUNDARY CONDITIONS.	ALL FRACTURE SURFACES ARE DISCOLORED OR OXIDIZED, SURFACES FRIABLE.	PARTIAL SEPARATION, ROCK IS FRIABLE; IN SEMIARID CONDITIONS GRANITICS ARE DISAGGREGATED.	TEXTURE ALTERED BY CHEMICAL DISINTEGRATION (HYDRATION, ARGILLATION).	LEACHING OF SOLUBLE MINERALS MAY BE COMPLETE.	DULL SOUND WHEN STRUCK WITH HAMMER, USUALLY CAN BE BROKEN WITH MODERATE TO HEAVY MANUAL PRESSURE OR BY LIGHT HAMMER BLOW WITHOUT REFERENCE TO PLANES OF WEAKNESS SUCH AS INCIPIENT OR HAIRLINE FRACTURES, OR VEINLETS. ROCK IS SIGNIFICANTLY WEAKENED.
DECOMPOSED	DISCOLORED OR OXIDIZED THROUGHOUT, BUT RESISTANT MINERALS SUCH AS QUARTZ MAY BE UNALTERED; ALL FELDSPARS AND Fe-Mg MINERALS ARE COMPLETELY ALTERED TO CLAY.		COMPLETE SEPARATION OF GRAIN BOUNDARIES (DISAGGREGATED).	RESEMBLES A SOIL, PARTIAL OR COMPLETE REMNANT ROCK STRUCTURE MAY BE PRESERVED; LEACHING OF SOLUBLE MINERALS USUALLY COMPLETE.		CAN BE GRANULATED BY HAND. RESISTANT MINERALS SUCH AS QUARTZ MAY BE PRESENT AS "STRINGERS" OR "DIKES."

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LEGEND - ROCK
NO SCALE

A10H

[Return to Table of Contents](#)

CENTERLINES (2 LANE HIGHWAYS)



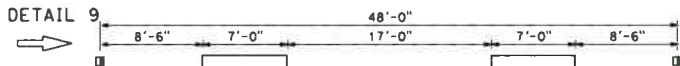
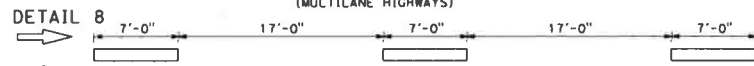
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~~DETAIL 4~~ DETAIL 4 DELETED

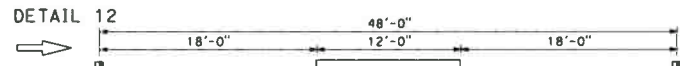


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LANE LINES (MULTILANE HIGHWAYS)



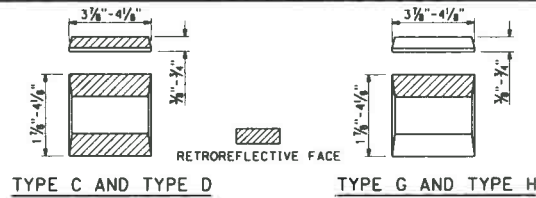
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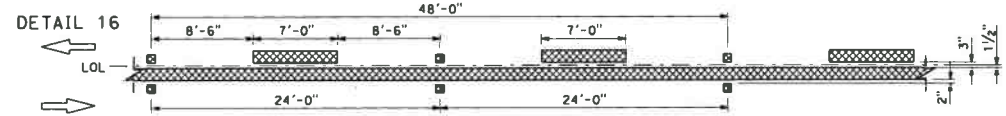
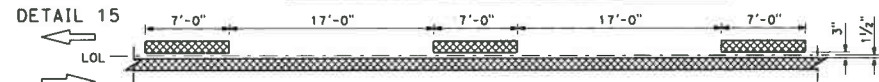
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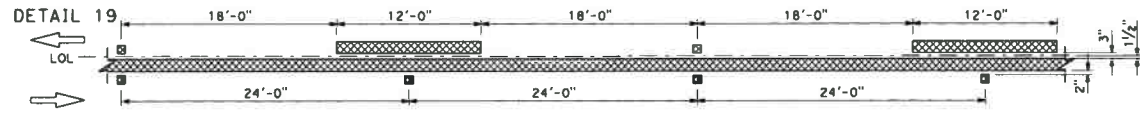
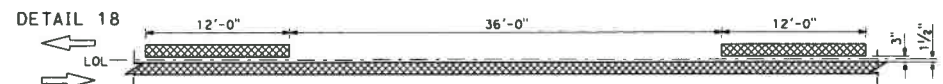


MARKER DETAILS

NO PASSING ZONES - ONE DIRECTION

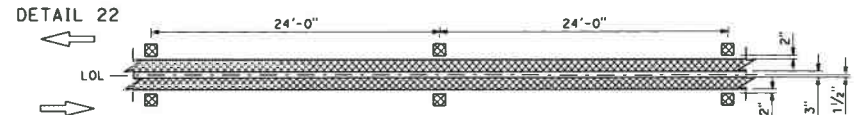


~~DETAIL 17~~ DETAIL 17 DELETED



~~DETAIL 20~~ DETAIL 20 DELETED

NO PASSING ZONES - TWO DIRECTION



~~DETAIL 23~~ DETAIL 23 DELETED

LEGEND:

- TYPE C RED-CLEAR RETROREFLECTIVE MARKER
- TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKER
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER
- TYPE H ONE-WAY YELLOW RETROREFLECTIVE MARKER
- 6" WHITE LINE
- 6" YELLOW LINE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKERS AND TRAFFIC LINES
TYPICAL DETAILS
NO SCALE

A20A

[Return to Table of Contents](#)

LEFT EDGE LINES(DIVIDED HIGHWAYS)
See Note

DETAIL 24



EDGE OF TRAVELED WAY

DETAIL 25



EDGE OF TRAVELED WAY

48'-0"

DETAIL 25A



EDGE OF TRAVELED WAY

24'-0" 24'-0"

DETAIL 25B



EDGE OF TRAVELED WAY

48'-0"

DETAIL 26



EDGE OF TRAVELED WAY

48'-0"

DETAIL 26A



EDGE OF TRAVELED WAY

48'-0"

DETAIL 26B



EDGE OF TRAVELED WAY

48'-0"

DETAIL 27



EDGE OF TRAVELED WAY

48'-0"

RIGHT EDGE LINES

DETAIL 27A

DETAIL 27A DELETED

DETAIL 27B



EDGE OF TRAVELED WAY

RIGHT EDGE LINE EXTENSION THROUGH INTERSECTIONS

DETAIL 27C



3'-0" 12'-0" 12'-0" 12'-0" 3'-0"

LEFT EDGE LINES NOTE:
On freeways use traffic stripe details with Type RY markers.**MEDIAN ISLANDS**

DETAIL 28



LOL



LOL

DETAIL 29



LOL



LOL

DETAIL 30

DETAIL 30 DELETED

TWO-WAY LEFT TURN LANES

DETAIL 31



LOL



DETAIL 32



LOL



DETAIL 33

DETAIL 33 DELETED

LEGEND:

- TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKER
- TYPE H ONE-WAY YELLOW RETROREFLECTIVE MARKER
- TYPE RY RED-YELLOW RETROREFLECTIVE MARKER
- 6" WHITE LINE
- 6" YELLOW LINE

INTERSECTION TREATMENTS

DETAIL 34



DETAIL 34A



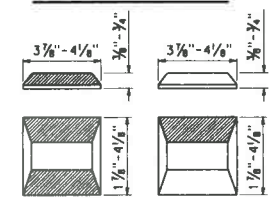
DETAIL 35



DETAIL 35A



CENTERLINE INTERSECTING STREET

MARKER DETAILSTYPE RY
AND TYPE D

TYPE H

RETROREFLECTIVE FACE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKERS AND TRAFFIC LINES
TYPICAL DETAILS
NO SCALE

A20B[Return to Table of Contents](#)

DIST.	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS

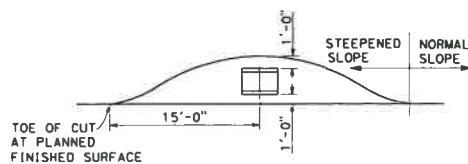
REGISTERED CIVIL ENGINEER

May 1, 2023

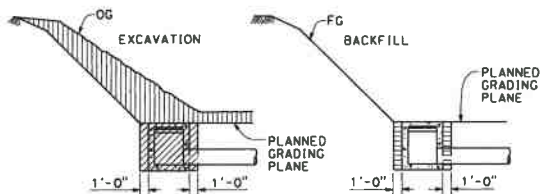
PLANS APPROVAL DATE

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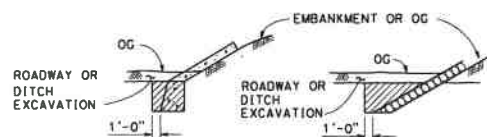
STATE OF CALIFORNIA



PLAN
See Note 2



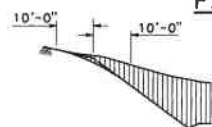
SECTION
RECESSES AT DRAINAGE INLETS



SLOPE PROTECTION
See Note 3



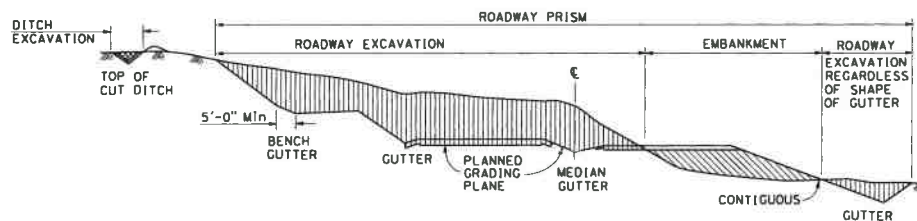
PAVED OR LINED DITCH



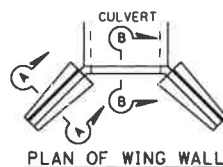
SLOPE ROUNDING



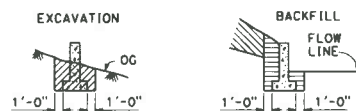
DIKE AND GUTTER



ROADWAY EXCAVATION - DITCH EXCAVATION



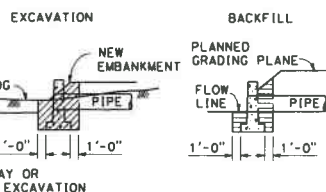
PLAN OF WING WALL



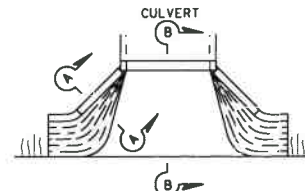
SECTION A-A



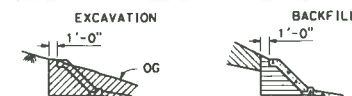
SECTION B-B
WING WALLS



PIPE HEADWALLS



PLAN OF WARPED WING WALL



SECTION A-A



SECTION B-B
WARPED WING WALLS

NOTES:

1. This drawing indicates the work to be done and limits of payment for:
Roadway Excavation
Ditch Excavation
Structure Excavation for Slope Protection
2. Slopes and dimensions may vary to fit field conditions.
3. Top limit of structure excavation is original ground if ditch is not excavated.

LEGEND

- STRUCTURE EXCAVATION
- STRUCTURE BACKFILL
- DITCH EXCAVATION
- SLOPE PROTECTION
- ROADWAY EXCAVATION
- ROADWAY EMBANKMENT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**EXCAVATION AND BACKFILL
MISCELLANEOUS DETAILS**

NO SCALE

A62A

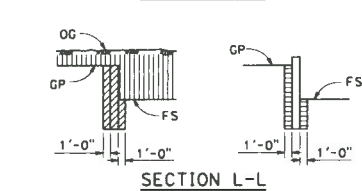
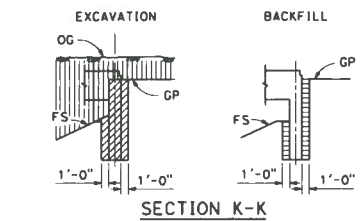
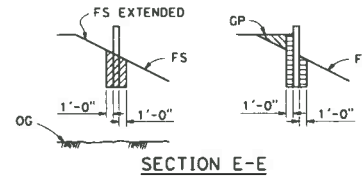
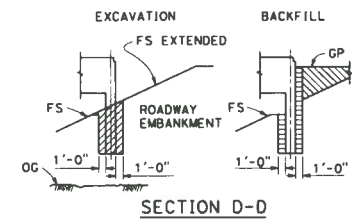
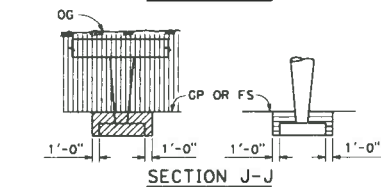
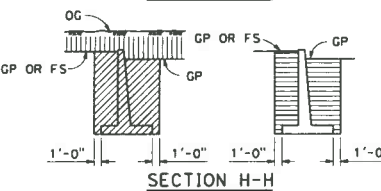
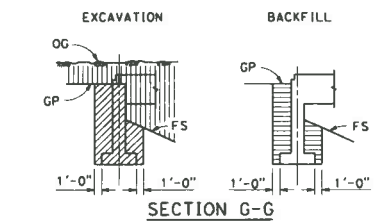
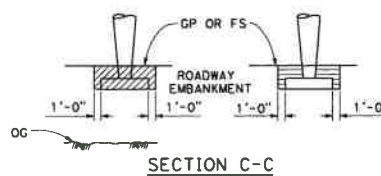
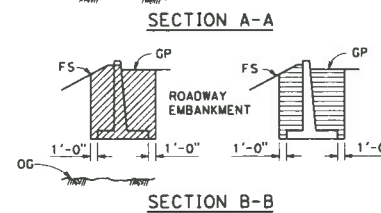
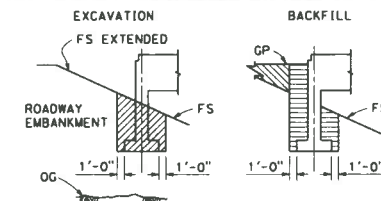
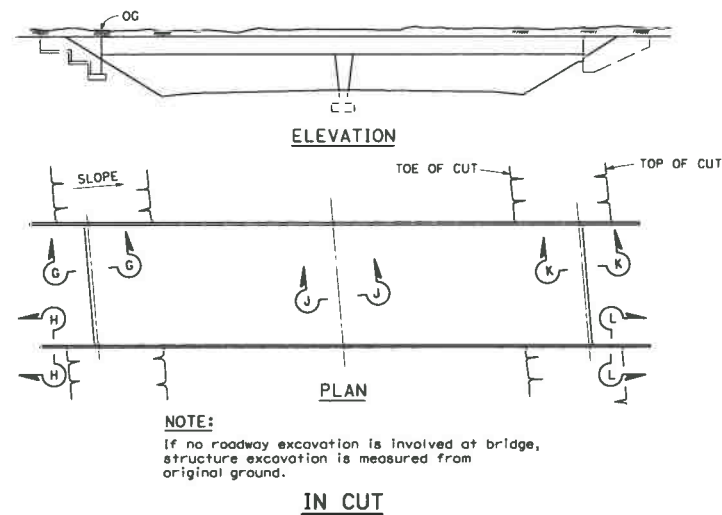
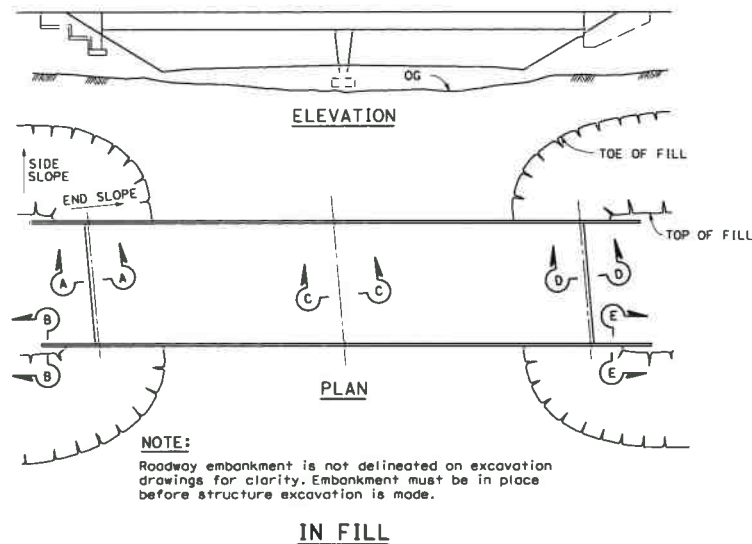
DIST.	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	No. SHEETS

emad
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

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Cori M. Dunn
C59978
Exp. 8-30-24
CIVIL
STATE OF CALIFORNIA



DIST	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS

Sam Wong
REGISTERED CIVIL ENGINEER

May 1, 2023
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Sam Wong
C56298
Exp. 6-30-24
CIVIL
STATE OF CALIFORNIA

LEGEND

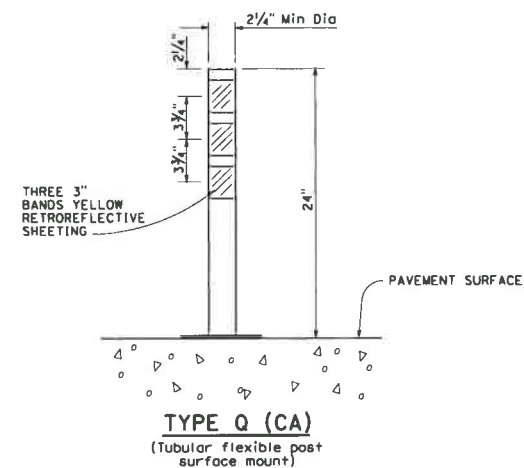
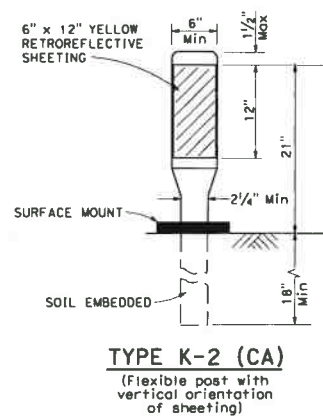
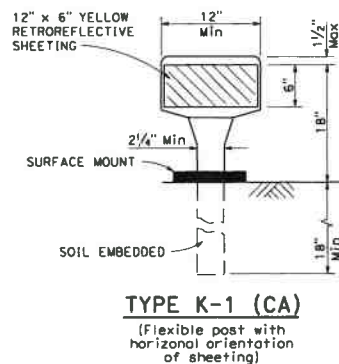
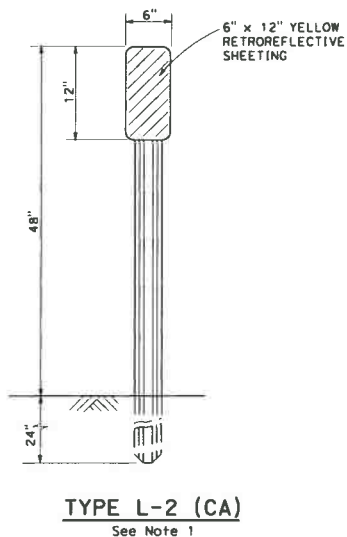
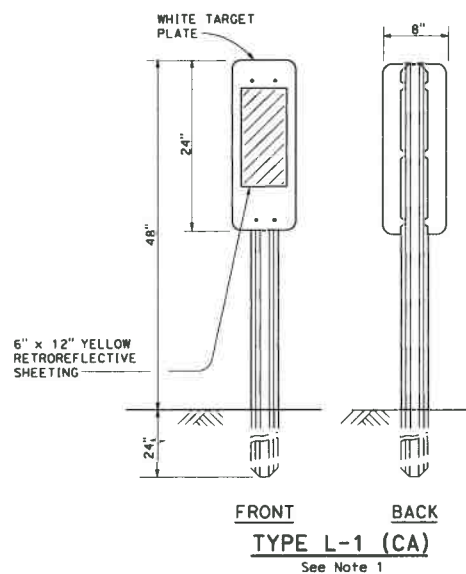
- STRUCTURE EXCAVATION
- STRUCTURE BACKFILL
- ROADWAY EXCAVATION
- ROADWAY EMBANKMENT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**LIMITS OF PAYMENT
FOR EXCAVATION AND BACKFILL
BRIDGE**

NO SCALE

A62C

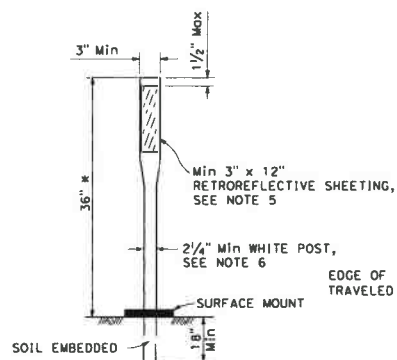


NOTE:

1. See Standard Plan A738 for metal post details and additional markers.

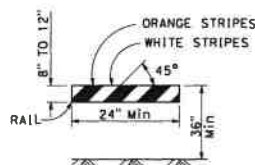
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
OBJECT MARKERS
NO SCALE

A73A

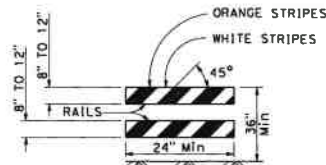


* 36" Min where speeds are 40 miles/h or less.

CHANNELIZERS



TYPE I BARRICADE
See Note A



TYPE II BARRICADE

BARRICADES (See Note 3)

Only face of rails shown. Barricade construction materials and supports as specified in the specifications.

TABLE 2 - BARRICADES			
BARRICADE	TYPE I	TYPE II	TYPE III
WIDTH OF RAIL	8" Min - 12" Max *	8" Min - 12" Max *	8" Min - 12" Max *
LENGTH OF RAIL	24" Min	24" Min	48" Min
WIDTH OF STRIPES * *	6"	6"	6"
HEIGHT	36" Min	36" Min	60" Min
NUMBER OF RETROREFLECTIVE RAIL FACES	2 (ONE EACH DIRECTION)	4 (TWO EACH DIRECTION)	3 IF FACING TRAFFIC IN ONE DIRECTION 6 IF FACING TRAFFIC IN TWO DIRECTION

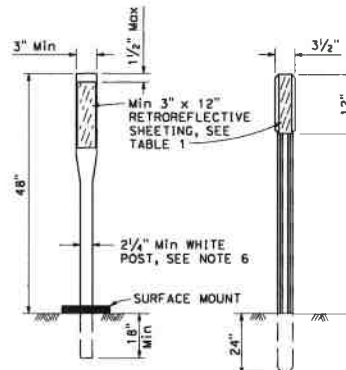
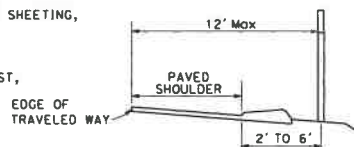
* For the wooden option dimensions are nominal lumber dimensions.

* * For rails less than 36" long, 4" wide stripes shall be used.

NOTE A:

Barricades to have a minimum of 270 square inches of retroreflective area facing traffic when used on freeways, expressways, and other high speed highways.

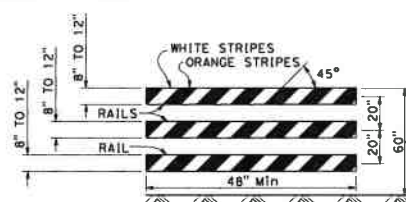
DELINEATOR POSITIONING



**CLASS 1
FLEXIBLE POST**

**CLASS 2
METAL POST**
See Note 4

DELINEATORS



TYPE III BARRICADE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
REGISTERED CIVIL ENGINEER <i>Wash</i> May 1, 2023 PLANS APPROVAL DATE THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.				
REGISTERED PROFESSIONAL ENGINEER TUE HONG No. 2-31-24 CIVIL STATE OF CALIFORNIA				

TABLE 1 - DELINEATORS		
TYPE	RETROREFLECTIVE SHEETING	
	FRONT	BACK
E	WHITE	WHITE (SEE NOTE 1)
F	WHITE	NONE
G	YELLOW	NONE
J	RED	NONE

NOTES:

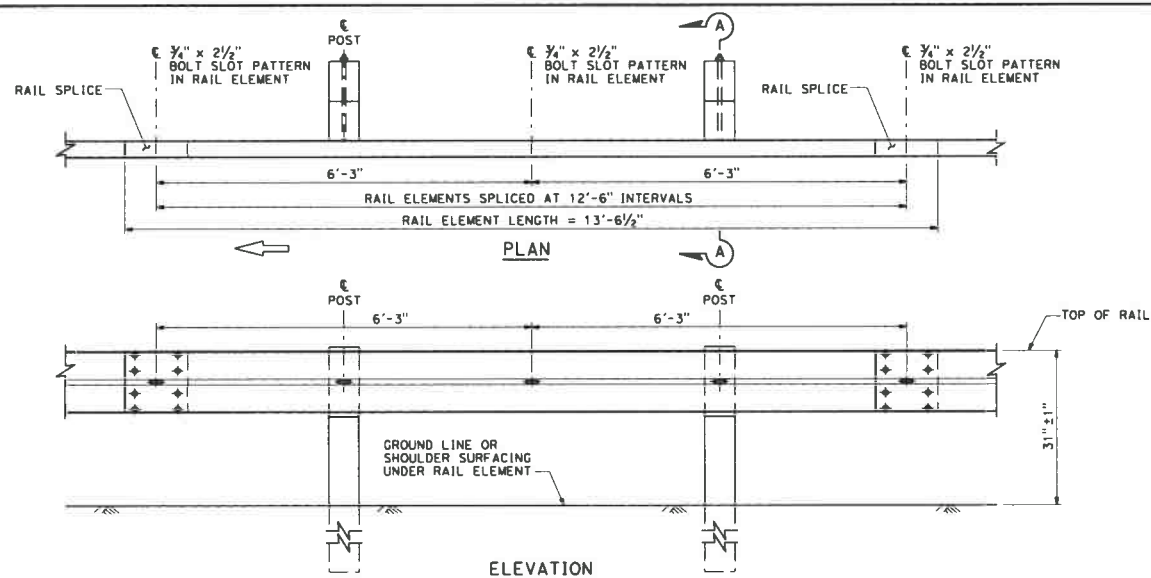
- The retroreflective sheeting used on the back of delineator shall be a minimum size of 3" x 3".
- The type of delineator to be installed will be designated on the plans.
- All barricade stripes shall be retroreflective and sloped downward in the direction of the opened traffic lane.
- See Standard Plan A73B for Metal Post Details.
- Unless shown otherwise on the plans, or as directed by the Engineer, the color of the retroreflective sheeting for permanent channelizers shall conform to the color of the pavement markings it supplements.
- Except, Class 1 (Flexible Post) temporary delineators and temporary channelizers in work zones shall be orange post with white retroreflective sheeting.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

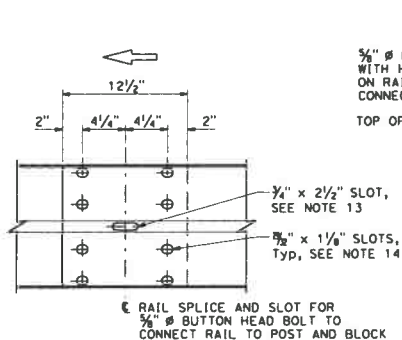
DELINEATORS, CHANNELIZERS AND BARRICADES

NO SCALE

A73C



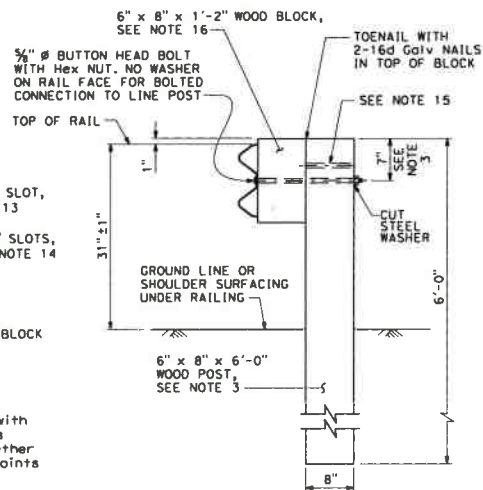
MIDWEST GUARDRAIL SYSTEM WITH WOOD POST AND BLOCKS



ELEVATION

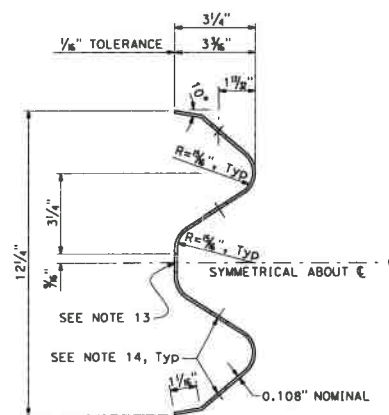
RAIL ELEMENT SPLICE DETAIL

- Connect the overlapped end of the rail elements with $\frac{3}{8}$ " \times $\frac{1}{4}$ " button head oval shoulder splice bolts inserted into the $\frac{3}{8}$ " \times $\frac{1}{8}$ " slots and bolted together with $\frac{3}{8}$ " \times recessed hex nuts. Recess of hex nut points toward rail element. A total of 8 bolts and nuts are to be used at each rail splice connection.
- The ends of the rail elements are to be overlapped in the direction of traffic (see details).
- Where end cap is to be attached to the end of a rail element, a total of 4 of the above described splice bolts and nuts are to be used.



**SECTION A-A
TYPICAL WOOD LINE
POST INSTALLATION**

See Note 4



**SECTION THRU
RAIL ELEMENT**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

Mark Ballentine
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

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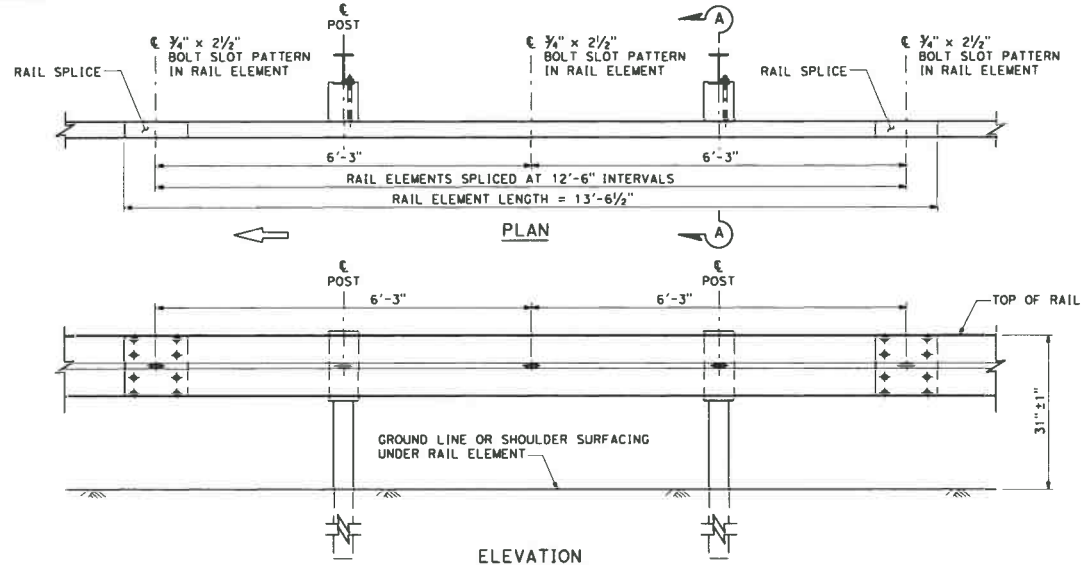
REGISTERED PROFESSIONAL ENGINEER
Mark Ballentine
C64101
Exp. 09-30-24
CIVIL
STATE OF CALIFORNIA

NOTES:

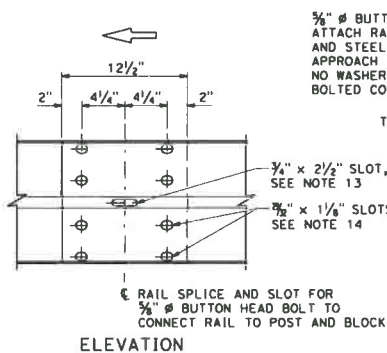
- For details of steel post installations, see Standard Plan A77L2.
- For details of standard hardware used to construct MGS, see Standard Plan A77M1.
- For details of wood posts and wood blocks used to construct MGS, see Standard Plan A77N1.
- For additional installation details, see Standard Plan A77N3.
- MGS post spacing to be 6'-3" center to center, except as otherwise noted.
- For MGS typical layouts, see the A77P, A77O and A77R series of Standard Plans.
- If railing is connected to terminal system end treatment, use 31" height terminal system end treatment.
- For MGS end anchor details, see Standard Plans A77S1 and A77T2.
- For details of MGS transition to bridge railing, see Standard Plan A77U4.
- For additional details of MGS connection to bridge railing, see Standard Plans A77U1, A77U2 and A77V1.
- For MGS connection details to abutments and walls, see Standard Plans A77U3A and A77U3B.
- For typical MGS delineation and dike positioning details, see Standard Plan A77N4.
- Slotted hole for bolted connection of rail element to block and post.
- Slotted holes for splice bolts to overlap ends of rail element.
- Additional hole in uppermost portion of line post is for potential future adjustments of railing height. See Standard Plan A77N1.
- 6" \times 12" \times 1'-2" block must be used with 6" Type A dike.
- Install posts in soil.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
STANDARD RAILING SECTION
(WOOD POST WITH WOOD BLOCK)**
NO SCALE

A77L1

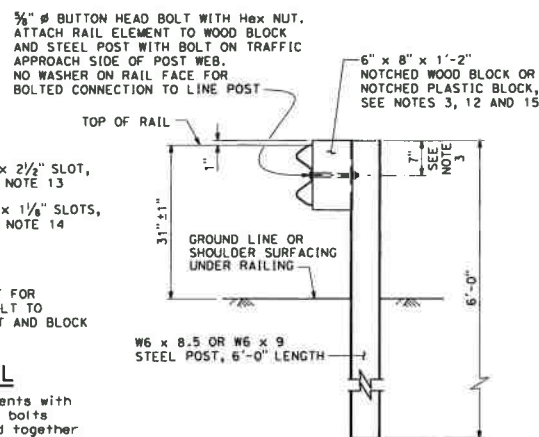


MIDWEST GUARDRAIL SYSTEM WITH STEEL POSTS AND NOTCHED WOOD OR NOTCHED RECYCLED PLASTIC BLOCKS



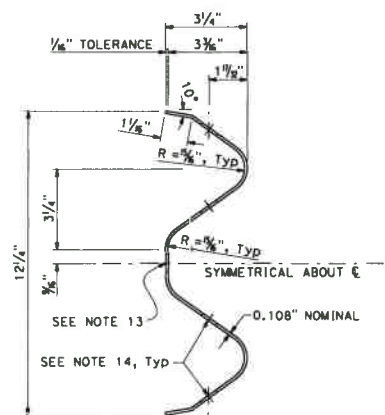
RAIL ELEMENT SPLICE DETAIL

- Connect the overlapped end of the rail elements with $\frac{3}{4}$ " ϕ x $1\frac{1}{4}$ " button head oval shoulder splice bolts inserted into the $\frac{3}{4}$ " x $1\frac{1}{8}$ " slots and bolted together with $\frac{3}{4}$ " ϕ recessed hex nuts. Recess of hex nut points toward rail element. A total of 8 bolts and nuts are to be used at each rail splice connection.
- The ends of the rail elements are to be overlapped in the direction of traffic (see details).
- Where end cap is to be attached to the end of a rail element, a total of 4 of the above described splice bolts and nuts are to be used.



SECTION A-A TYPICAL STEEL LINE POST INSTALLATION

See Note 4



SECTION THRU RAIL ELEMENT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
STANDARD RAILING SECTION
(STEEL POST WITH NOTCHED WOOD
OR NOTCHED RECYCLED PLASTIC BLOCK)**
NO SCALE

A77L2

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Mark Ballentine
REGISTERED CIVIL ENGINEER

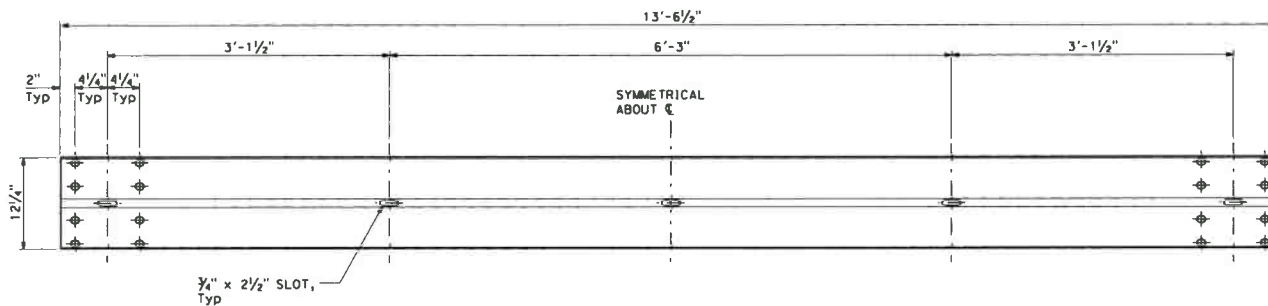
May 1, 2023
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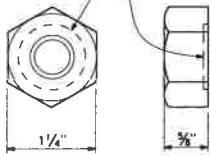
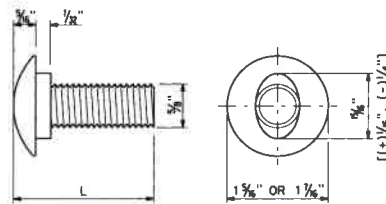
NOTES:

- For details of wood post installations, see Standard Plan A77L1.
- For details of standard hardware used to construct MGS, see Standard Plan A77M1.
- For details of steel posts and notched wood blocks used to construct MGS, see Standard Plan A77N2.
- For additional installation details, see Standard Plan A77N3.
- MGS post spacing to be 6'-3" center to center, except as otherwise noted.
- For MGS typical layouts, see the A77P, A77O and A77R series of Standard Plans.
- If railing is connected to terminal system end treatment, use 31" height terminal system end treatment.
- For MGS end anchor details, see Standard Plans A77S1 and A77T2.
- For details of MGS transition to bridge railing, see Standard Plan A77U4.
- For additional details of MGS connection to bridge railings, see Standard Plans A77U1, A77U2 and A77V1.
- For dike positioning and MGS delineation details, see Standard Plan A77N4.
- Notched face of block faces steel post.
- Slotted hole for bolted connection of rail element to block and post.
- Slotted holes for splice bolts to overlap ends of rail element.
- 6" x 12" x 1'-2" block must be used with 6" Type A dike.
- Install posts in soil.



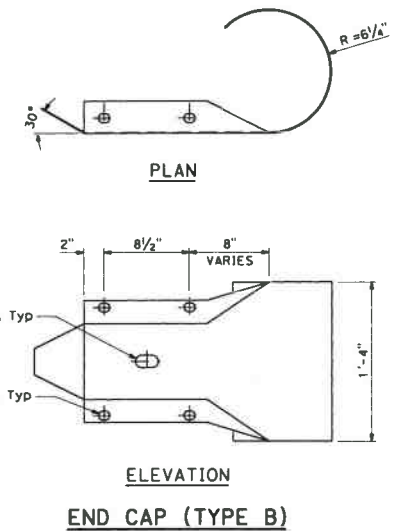
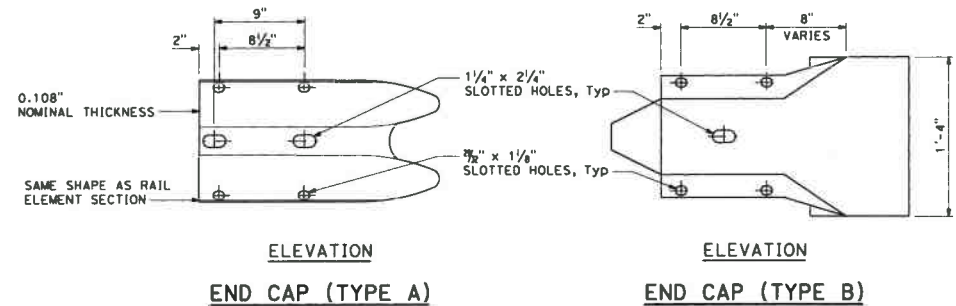
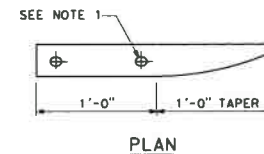
TYPICAL RAIL ELEMENT

5/8" ϕ x 1/4" DEEP RECESS ONE OR BOTH SIDES

5/8" ϕ RECESS NUT5/8" ϕ BUTTON HEAD BOLT

BUTTON HEAD BOLT	
L	THREAD LENGTH
1 1/4"	FULL THREAD LENGTH
2"	FULL THREAD LENGTH
10"	4" MIN THREAD LENGTH
18"	4" MIN THREAD LENGTH
20"	4" MIN THREAD LENGTH
22"	4" MIN THREAD LENGTH
26"	4" MIN THREAD LENGTH
36"	4" MIN THREAD LENGTH
** 2 3/4"	2" MIN THREAD LENGTH
** 19"	4" MIN THREAD LENGTH

** For nested rail applications



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
STANDARD HARDWARE**

NO SCALE

A77M1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

Mark Ballantine
REGISTERED CIVIL ENGINEER

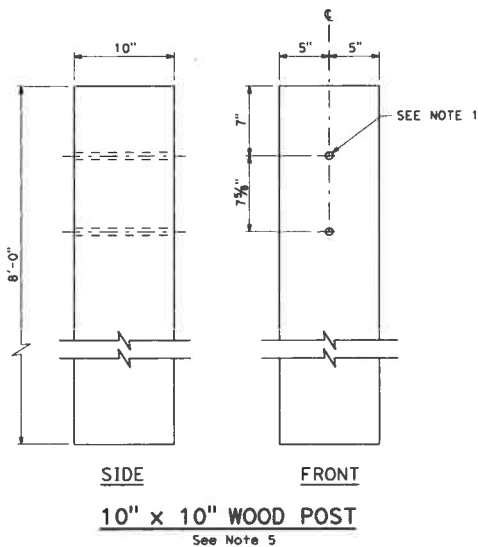
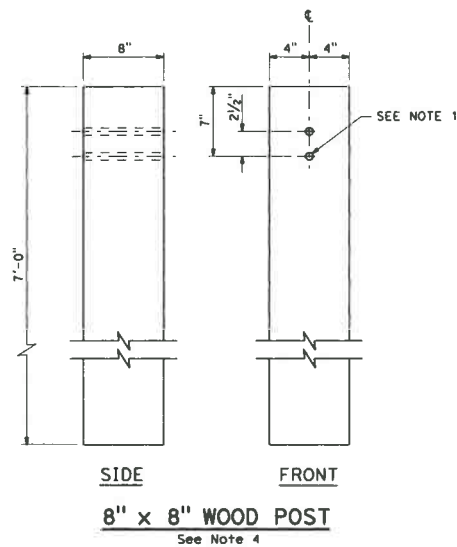
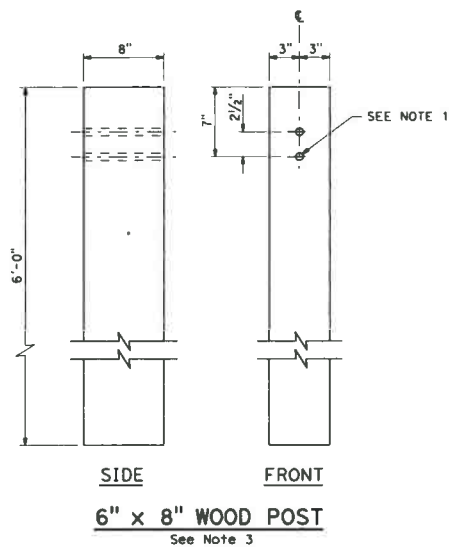
May 1, 2023
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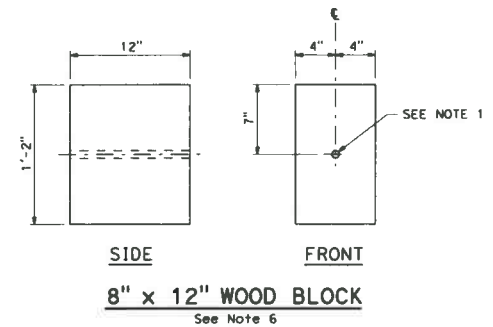
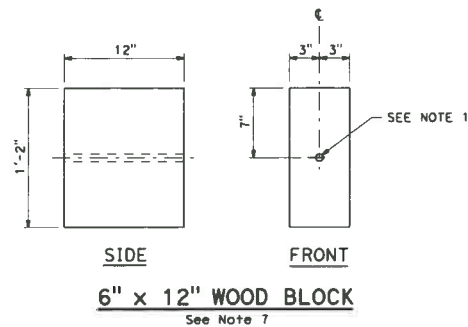
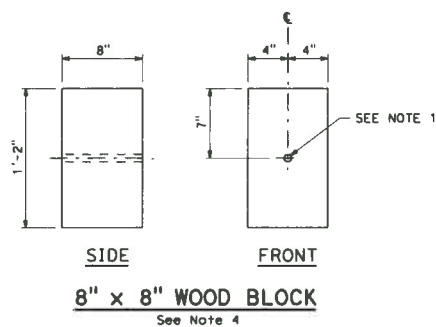
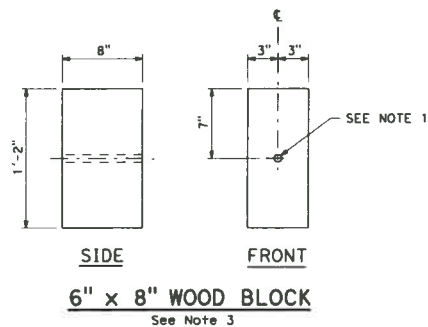
REGISTERED PROFESSIONAL ENGINEER
Mark Ballantine
C44191
Exp. 09-30-24
CIVIL
STATE OF CALIFORNIA

NOTE:

1. Slotted holes for splice bolts to overlap ends of rail element.

**NOTES:**

1. All holes in wood posts and blocks shall be $\frac{3}{4}$ " Dia $\pm \frac{1}{16}$ ".
2. Dimensions shown for wood post are nominal.
3. This post and block combination used for standard line post sections of MGS.
4. This post and 8" x 8" block combination used for line post sections of MGS on narrow roadways.
5. This post used with the WB-31 transition. See Standard Plan A77U4.
6. To be used with 8" x 8" x 7'-0" wood post if installed with 6" height dike.
7. To be used with 6" x 8" x 6'-0" wood post if installed with 6" height dike.



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
WOOD POST AND
WOOD BLOCK DETAILS**
NO SCALE

A77N1

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
<p><i>Mark Ballentine</i> REGISTERED CIVIL ENGINEER</p> <p>May 1, 2023 PLANS APPROVAL DATE</p> <p>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p>				

REGISTERED PROFESSIONAL ENGINEER

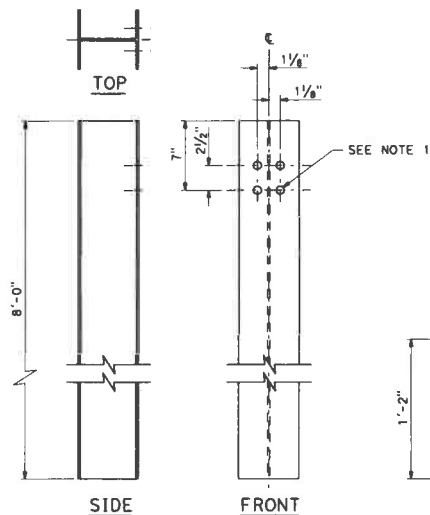
Mark Ballentine

NO. C64101

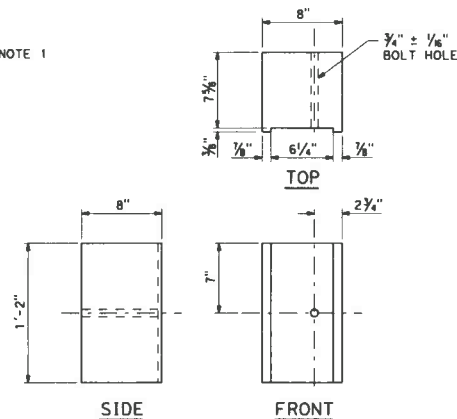
EXP. 09-30-24

CIVIL

STATE OF CALIFORNIA

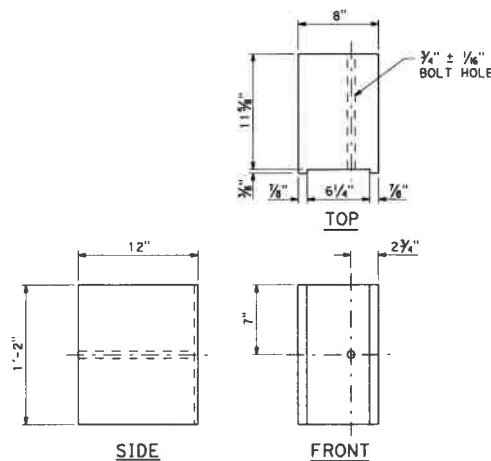


**W6 x 15
STEEL POST**



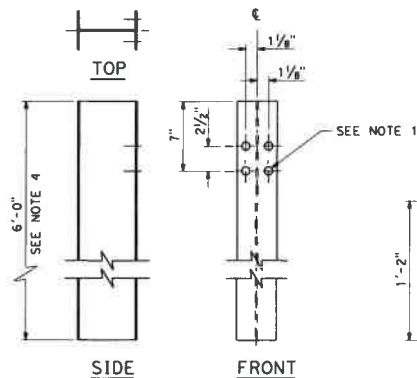
**8" x 8"
NOTCHED WOOD OR PLASTIC BLOCK**

See Note 8



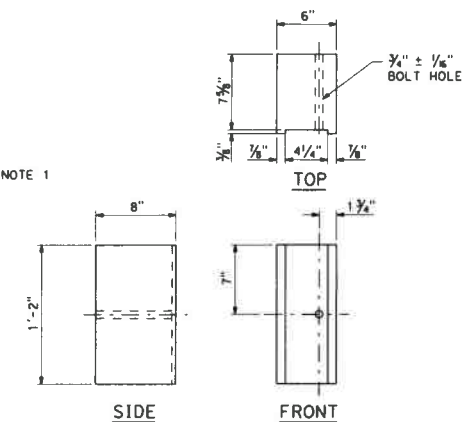
**8" x 12"
NOTCHED WOOD OR PLASTIC BLOCK**

See Notes 2, 3, 7, and 8

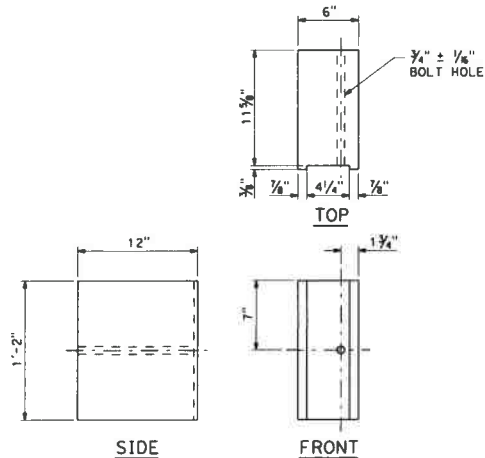


**W6 x 8.5 OR W6 x 9
STEEL POST**

See Note 4

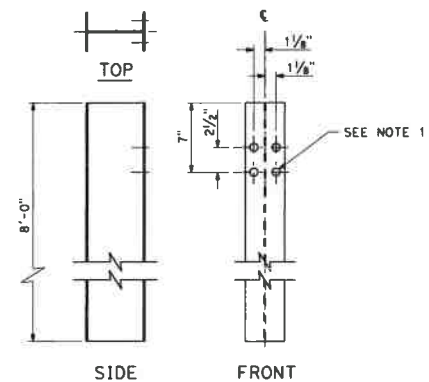


**6" x 8"
NOTCHED WOOD OR PLASTIC BLOCK**



**6" x 12"
NOTCHED WOOD OR PLASTIC BLOCK**

See Notes 2, 3 and 7



**W6 x 9 OR W6 x 8.5
STEEL POST**

See Note 6

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
STEEL POST AND
NOTCHED WOOD BLOCK DETAILS**
NO SCALE

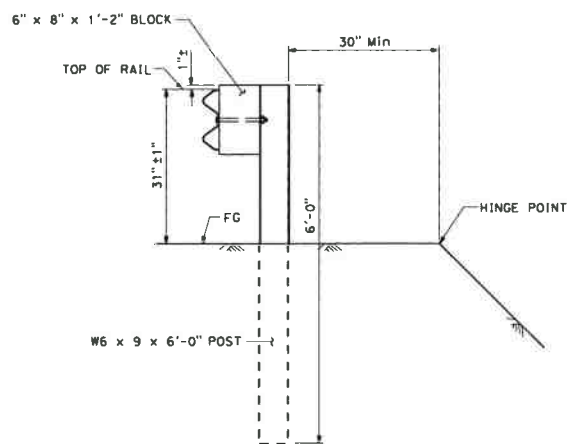
A77N2

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
<p><i>Mark Ballentine</i> REGISTERED CIVIL ENGINEER</p> <p>May 1, 2023 PLANS APPROVAL DATE</p> <p>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p>				

REGISTERED PROFESSIONAL ENGINEER
Mark Ballentine
C44181
Exp. 09-30-24
CIVIL
STATE OF CALIFORNIA

NOTES:

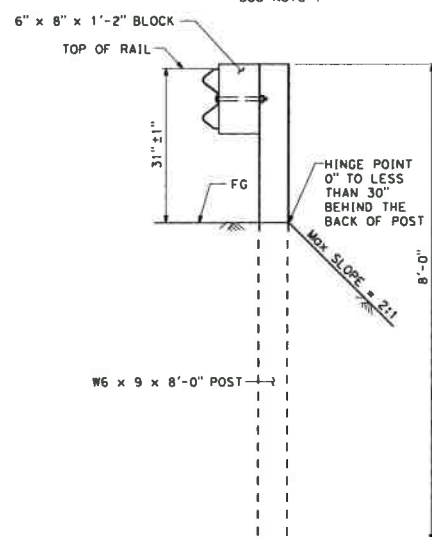
1. All holes in steel post shall be $\frac{1}{8}$ " ϕ maximum.
2. Dimensions shown for wood block are nominal.
3. Notched face of block faces steel post.
4. 6'-0" length posts to be used for typical roadway installation. See Standard Plan A77N3.
5. The standard block on W8 x 6.5 or W6 x 9 steel post separates the metal beam guardrail element 8" from the post. The 12" block is an option to the 8" block.
6. This post to be used for line post sections of MGS on narrow roadways. Post longer than 6' must be labeled on post web with 2" letters using black acrylic paint.
7. 6" x 12" notched wood block and 8" x 12" notched wood block must be used with 6" Type A dike.
8. 8" x 8" or 8" x 12" notched wood or plastic blocks are used with W6 x 15 steel post.



DETAIL A

TYPICAL ROADWAY INSTALLATION

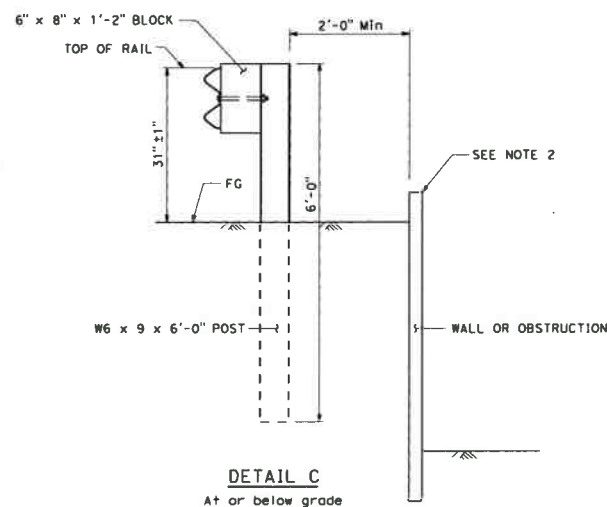
See Note 1



DETAIL B

NARROW ROADWAY INSTALLATION

See Note 1

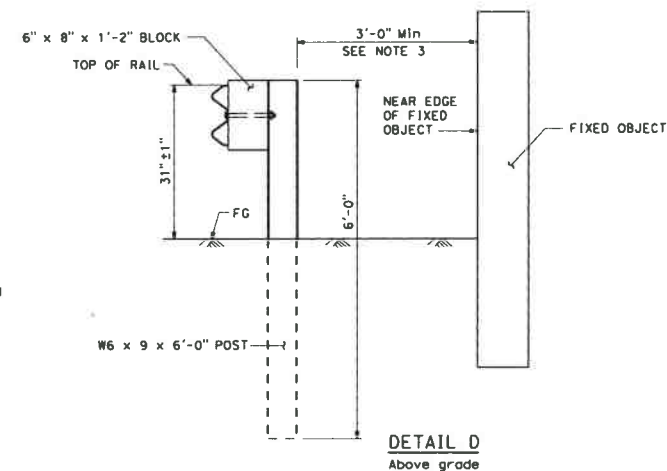
POST EMBEDMENT

DETAIL C

At or below grade

NOTES:

1. These installation details are also applicable to wood line post installations. For Detail A, C, and D, where wood line post installations are constructed, 6" x 8", 6'-0" in length, with 6" x 8" x 1'-2" blocks are to be used in place of steel post and block. For Detail B, where wood line post installations are constructed, 6" x 8" post, 8'-0" in length, with blocks are to be used in place of the steel post and block shown. For additional installation details, see Standard Plans A77L1 and A77L2.
2. When maximum height of obstruction behind guardrail post is 6" above grade, see Detail D.
3. If distance from back of post to the near edge of fixed object is less than 3'-0", see Strengthened Rail Section as shown in layout pages.
4. For dike positioning with MGS installations, see Standard Plan A77N4.
5. Typical 6" x 8" notched wood or plastic block shown, 6" x 12" notched wood or plastic block is interchangeable in these details if 6" dike is placed.



DETAIL D

Above grade

**INSTALLATION AT
WALLS OR OBSTRUCTIONS**STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION**MIDWEST GUARDRAIL SYSTEM
TYPICAL LINE POST EMBEDMENT
AND HINGE POINT OFFSET DETAILS**

NO SCALE

A77N3

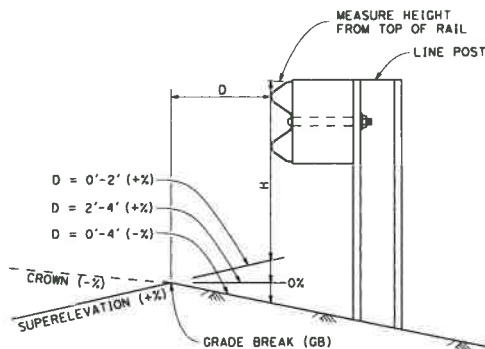
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Mark Ballentine
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

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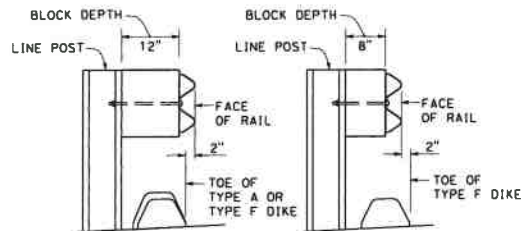
REGISTERED PROFESSIONAL ENGINEER
Mark Ballentine
C64101
Exp. 09-30-24
(110)



$D = 0'-2' (+\%)$
 $D = 2'-4' (+\%)$
 $D = 0'-4' (-\%)$

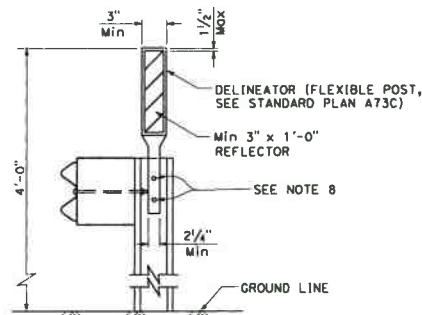
D = DISTANCE, GB TO FACE OF RAIL
 H = HEIGHT AT FACE OF RAIL FROM
 EXTENDED LINE, BASED ON D
 $H = 31'' \pm 1''$ FOR MGS
 $H = 32'' \pm 1''$ FOR THRIE BEAM (NOT SHOWN)

MEASURE HEIGHT DETAIL AT GRADE BREAK (GB)

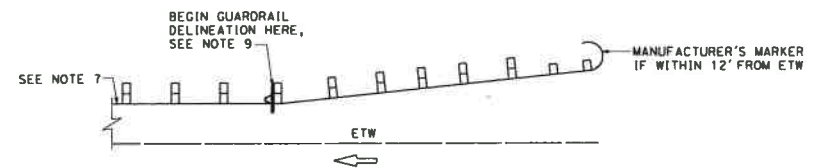


GUARDRAIL DIKE POSITIONING

Standard position for new or existing dike or curb, see Notes 2 through 6



GUARDRAIL DELINEATION



MARKER PLACEMENT GUARDRAIL DELINEATION

NOTES:

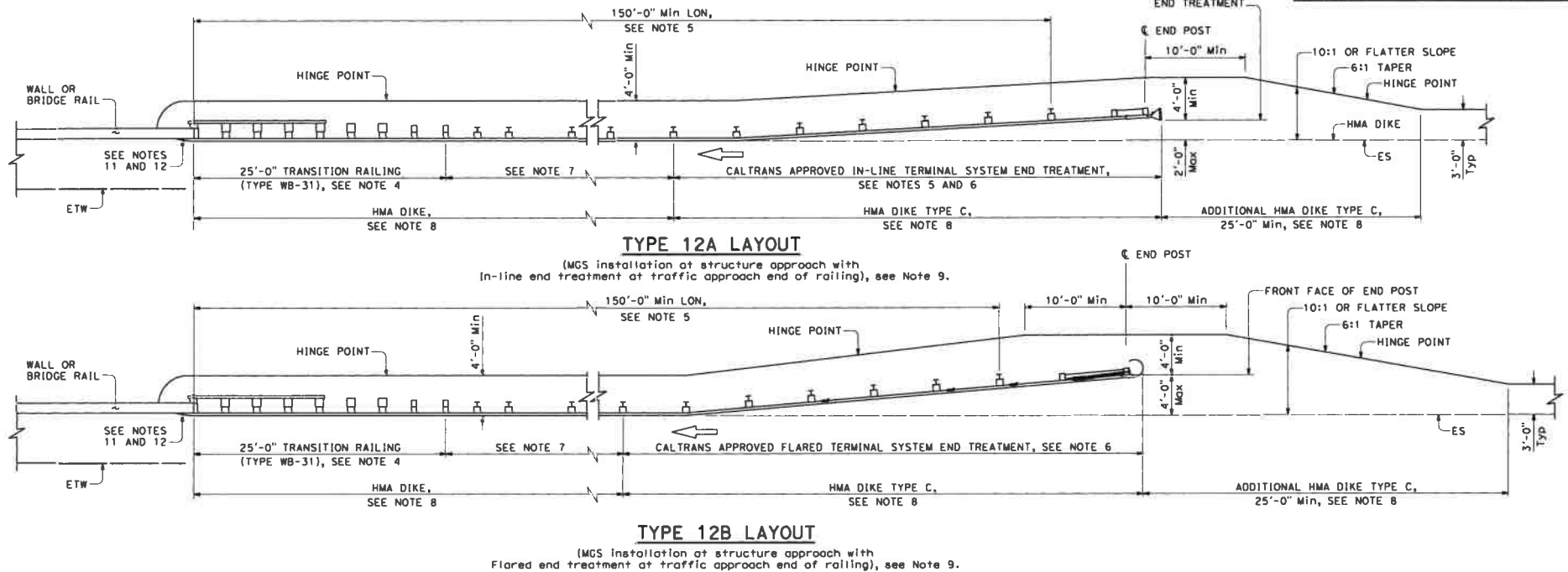
- Details shown on this sheet apply to w-beam guardrail and thrie beam.
- Dike must be placed in the standard position unless otherwise shown. For curb and dike details, see Standard Plans A87A and A87B.
- See Standard Plans for dike type and placement within and near terminal systems.
- See Standard Plan A77S1 for dike placement near SFT-M end anchor.
- The maximum height of the dike or curb shall be 6" for MGS with 12" blocks.
- When shown on plans, front toe of dike may extend up to 7" in front of rail face when used with 12" blocks.
- Do not install marker on the trailing end of a guardrail run.
- Use $\frac{1}{4}" \times 20$ self-tapping screws in $0.22"$ ϕ holes or $\frac{1}{4}"$ bolts in $\frac{1}{2}" \phi$ holes for steel post, or use 16d galv nails for wood post.
- When guardrail end treatment is placed in a flared or offset configuration, always use at least one delineator at location shown. See project plans for other placement of guardrail delineation.
- When installing MGS with dike in areas requiring snow removal or frequently plowed areas, use 12" blocks.
- Do not place mountable dike under guardrail.

Dist#	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
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PROFESSIONAL ENGINEER Mark Ballentine 064101 09-30-24 CIVIL STATE OF CALIFORNIA				

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
 TYPICAL RAILING DELINEATION
 AND DIKE POSITIONING DETAILS**
 NO SCALE

A77N4

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
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REGISTERED PROFESSIONAL ENGINEER Mark Ballentine C64191 Exp. 09-30-24 CIVIL STATE OF CALIFORNIA				




NOTES:

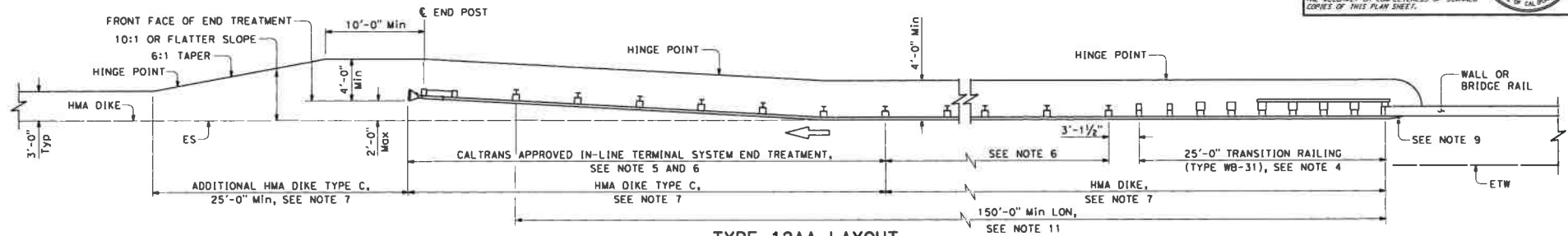
- Line post, blocks and hardware to be used are shown on Standard Plans A77L1, A77L2, A77M1, A77N1 and A77N2.
- MGS post spacing to be 6'-3" center to center, except as otherwise noted.
- Except as noted, in-line posts are 6'-0" long Steel W6 x 9 or W6 x 8.5 with blocks, or 6" x 8" x 6'-0" wood with blocks.
- For Transition Railing (Type WB-31) details for Types 12A and 12B Layouts, see Standard Plan A77U4.
- A minimum of 150'-0" of MGS is needed to develop Length of Need (LON).
- The type of terminal system end treatment to be used will be shown on the Project Plans.
- Dependent on site conditions (embankment height, side slopes or other fixed objects), it may be advisable to construct additional guard railing (a length equal to multiples of 12'-6" with 6'-3" post spacing) between the transition railing and end treatment.
- Where placement of dike is required with guard railing installations, see Standard Plan A77N4 for dike positioning details.
- Type 12A or Type 12B Layouts are typically used at the approach end of a structure, to the right or left on two-lane conventional highway where the roadway width across the structure is 40 feet or less.
- See Standard Plan A7703 for typical layout used left of approaching traffic at the ends of each structure on multilane freeways or expressways with separate adjacent or parallel bridges.
- For additional details of typical connections to bridge rail, see Connection Detail AA on Standard Plans A77U1 and A77U2 and Connection Detail FF on Standard Plans A77V1 and A77V2.
- For additional details of a typical connection to walls or abutments, see Standard Plans A77U3A and A77U3B.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
 TYPICAL LAYOUTS
 FOR STRUCTURE APPROACH**

NO SCALE

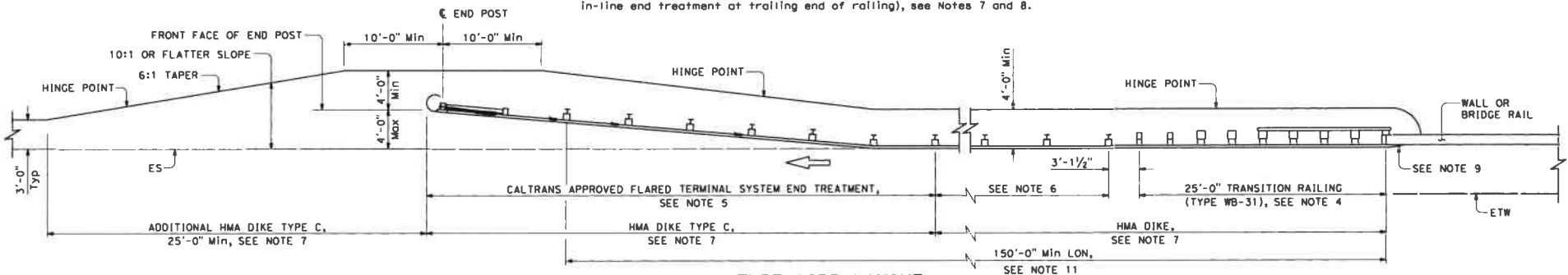
A77Q1

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
Mark Ballentine REGISTERED CIVIL ENGINEER May 1, 2023 PLANS APPROVAL DATE					
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TYPE 12AA LAYOUT

(MGS installation at structure departure with in-line end treatment at trailing end of railing), see Notes 7 and 8.



TYPE 12BB LAYOUT

(MGS installation at structure departure with flared end treatment at trailing end of railing), see Notes 7 and 8.

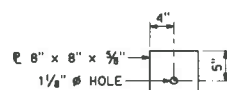
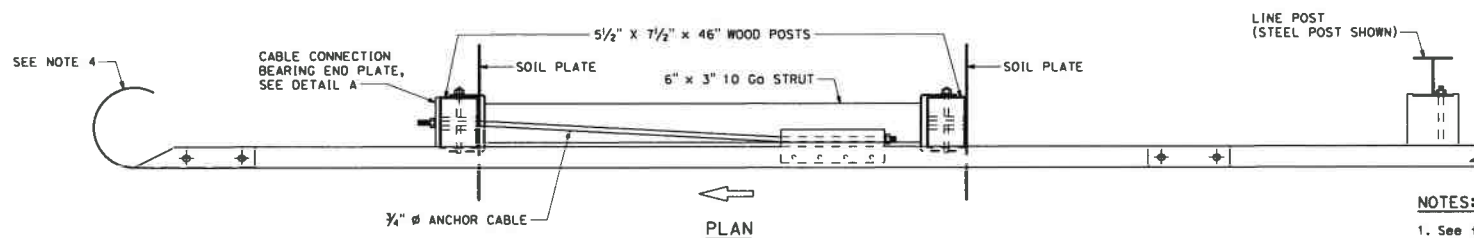
NOTES:

- Line post, blocks and hardware to be used are shown on Standard Plans A77L1, A77L2, A77M1, A77N1 and A77N2.
- MGS post spacing to be 6'-3" center to center, except as otherwise noted.
- Except as noted, line posts are 6'-0" long Steel W6 x 9 or W6 x 8.5 with blocks, or 6" x 8" x 6'-0" wood with blocks.
- For Transition Railing (Type WB-31) details for Types 12AA and 12BB Layouts, see Standard Plan A77U4.
- The type of terminal system to be used will be shown on the Project Plans.
- Dependent on site conditions (embankment height, side slopes, other fixed objects), it may be advisable to construct additional MGS (a length equal to multiples of 12'-6" with 6'-3" post spacing) between the transition railing and end treatments.
- Where placement of dike is required with MGS installations, see Standard Plan A77N4 for dike positioning details.
- Type 12AA or Type 12BB Layouts are typically used to the right or left of traffic departing a structure on two-way conventional highways where the roadbed width across the structure is less than 40 feet.
- For additional details of typical connections to bridge rail, see Connection Detail CC on Standard Plan A77U2 and Connection Detail HH on Standard Plan A77V2.
- For roadways with parallel structures and non traversable medians, the Type 12AA or Type 12BB layout may be used.
- A minimum of 150'-0" of MGS is needed to develop Length of Need (LON).

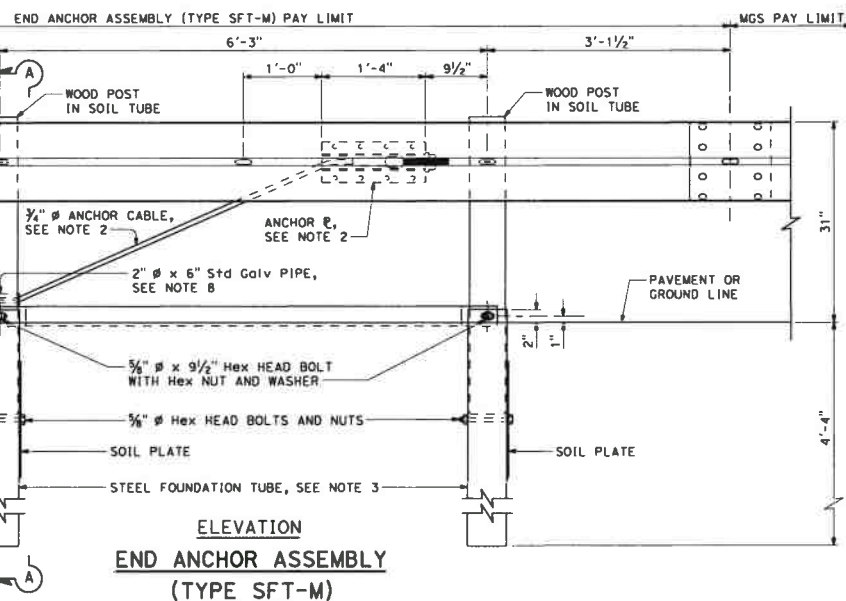
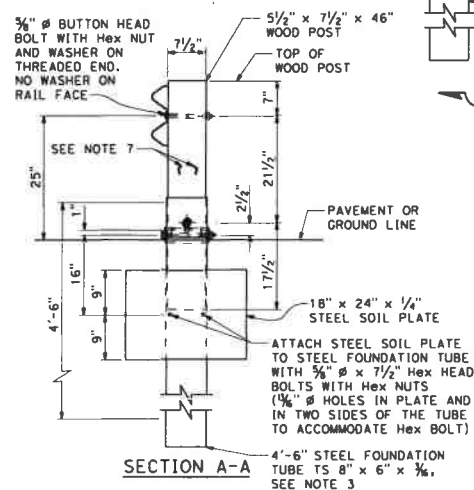
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
TYPICAL LAYOUTS
FOR STRUCTURE DEPARTURE**

NO SCALE

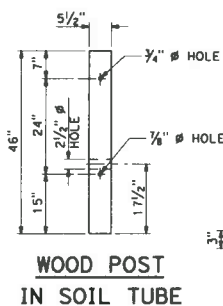
A77Q4



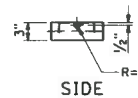
DETAIL A
CABLE CONNECTION
BEARING END PLATE



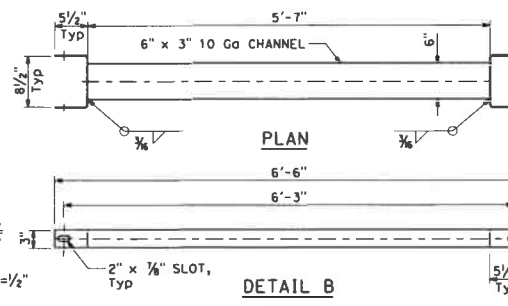
ELEVATION
END ANCHOR ASSEMBLY
(TYPE SFT-M)



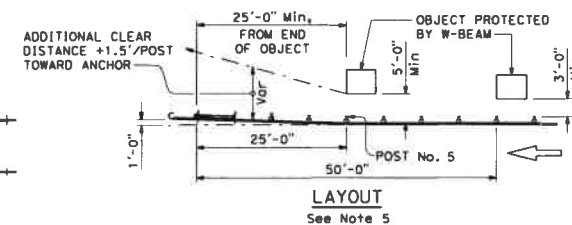
WOOD POST
IN SOIL TUBE



SIDE



DETAIL B
STRUT



LAYOUT
See Note 5

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
MIDWEST GUARDRAIL SYSTEM
END ANCHOR ASSEMBLY
(TYPE SFT-M)
NO SCALE

A77S1

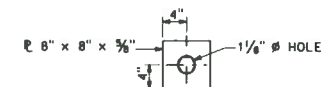
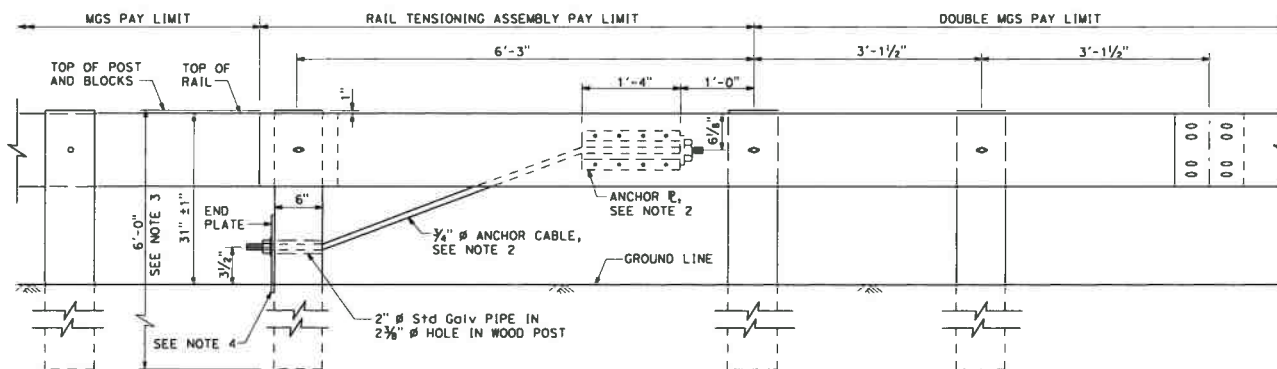
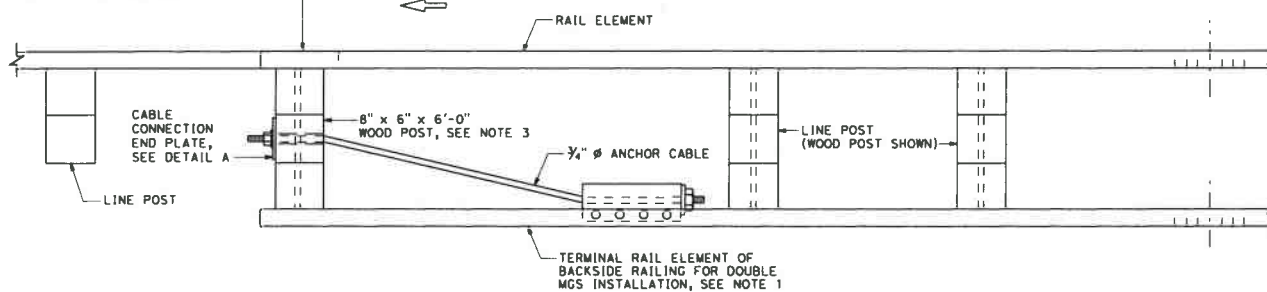
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

Mark Ballentine
REGISTERED CIVIL ENGINEER
May 1, 2023
PLANS APPROVAL DATE
C64191
EXP. 09-30-24
CIVIL
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NOTES:

1. See the Standard Plans A77P, A77O and A77R series for typical use of End Anchor Assembly (Type SFT-M).
2. For details of the anchor plate and 3/4" cable, see Standard Plan A77S3.
3. A 6'-0" length steel foundation tube, TS 8" x 6" x 3/8", without a soil plate, may be furnished and installed in place of the 4'-6" length steel foundation tube and soil plate shown. Minimum embedment of the 6'-0" length tube shall be 5'-9". A 3/4" Hex head bolt and nut shall be installed in the hole in the 6'-0" length tube to keep the wood post from dropping into the tube.
4. Place End Cap Type B when pedestrians, bicycles or traffic is within contact of the trailing end of the exposed element. Rail element may be cut 1" past the end of the post. Clean, treat and remove sharp edges.
5. Increased clear distance behind the rail is required from 50' prior to the last post of the End Anchor Assembly (Type SFT-M). Beginning at 50' upstream of the last post of the End Anchor Assembly, the required clear distance increases to 5' at post No. 5. From post No. 5 to the last post of the End Anchor Assembly, the required clear distance increases at a rate of 1.5' for each post.
6. Dike with a maximum height of 4" may be placed under or in front of the End Anchor Assembly (Type SFT-M). If the anchor posts are in conflict with the 4" high dike, the last 25' of rail may be tapered back a maximum of 1'-0" to allow the dike to maintain alignment.
7. Secure End Plate with two 16D nails to maintain alignment.
8. 2" Standard Galvanized Pipe or 2 3/8" Galvanized Pipe.
9. See Standard Plan A77R1 for placing SFT-M when there is a fixed object within 50'-0' of the end anchor and the distance behind the post is less than 3'-0'.

DO NOT BOLT RAIL ELEMENT TO POST
AND BLOCK AT RAIL ELEMENT SPLICE



NOTES:

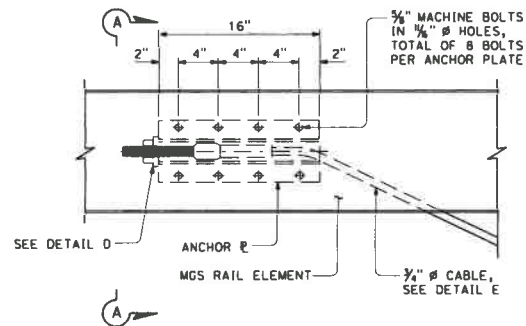
1. See Standard Plans A7703 and A77R1 for typical use of rail tensioning assembly.
2. For details of the anchor plate and $\frac{3}{4}$ " cable, see Standard Plan A77S3.
3. A steel foundation tube with a wood post as shown on A77S1 may be used in place of the 8" x 6" x 6" wood post shown.
4. Cable connection end plate must not be encased in HMA, concrete, or any other material that could restrict the plate from releasing.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
<p><i>Mark Ballentine</i> REGISTERED CIVIL ENGINEER</p> <p>May 1, 2023 PLANS APPROVAL DATE</p> <p>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p>				

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
RAIL TENSIONING ASSEMBLY**
NO SCALE

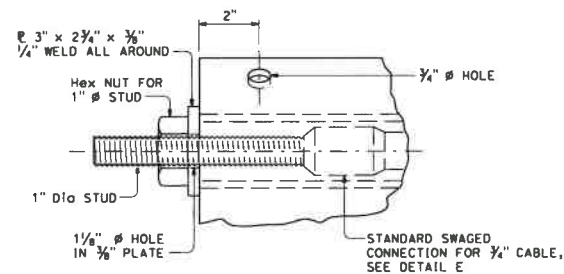
A77S2

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
<i>Mark Ballantine</i> REGISTERED CIVIL ENGINEER May 1, 2023 PLANS APPROVAL DATE THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.				

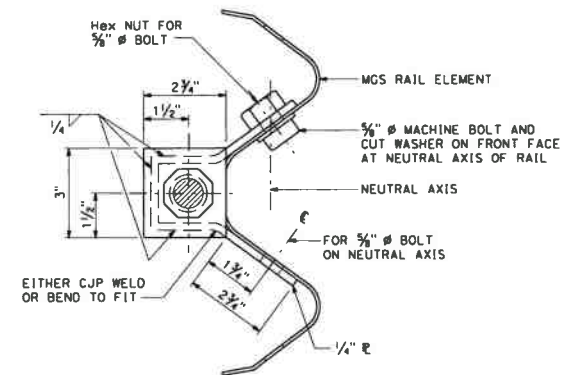


ANCHOR PLATE DETAIL

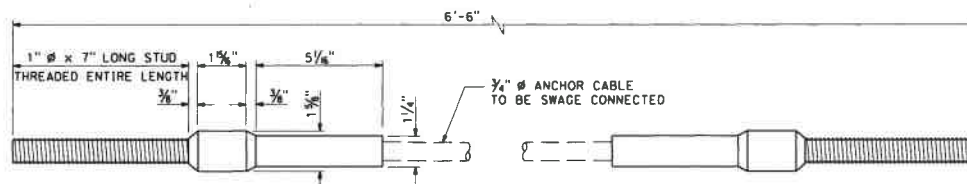
(MGS shown, TBB similar)



DETAIL D



SECTION A-A



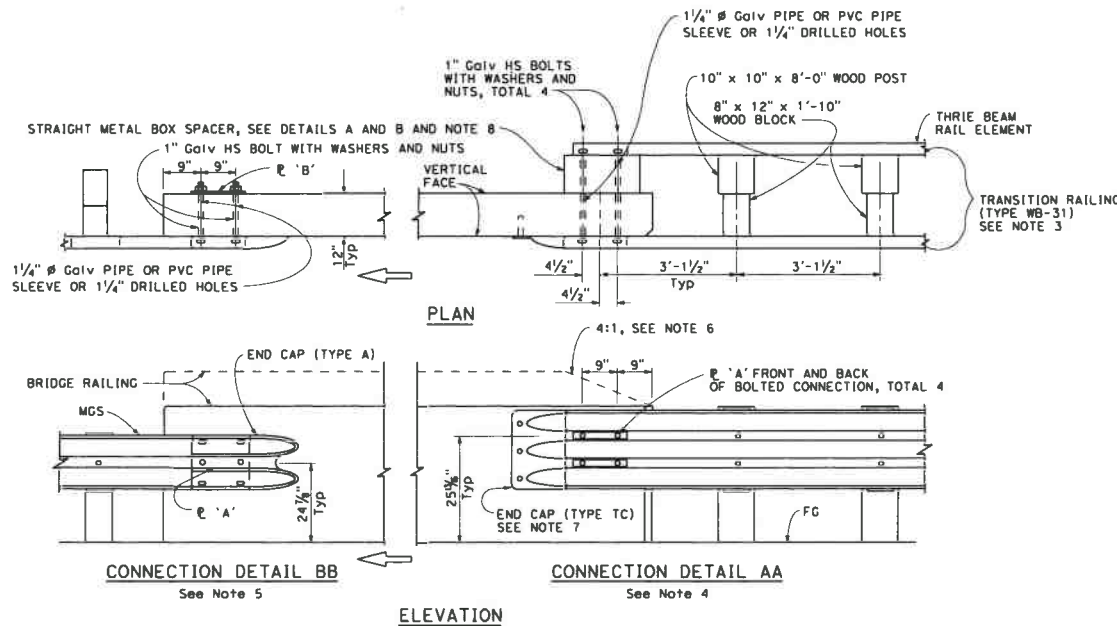
DETAIL E

ANCHOR CABLE WITH SWAGED FITTING AND STUD

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**METAL RAILING
 ANCHOR CABLE AND
 ANCHOR PLATE DETAILS**
 NO SCALE

A77S3

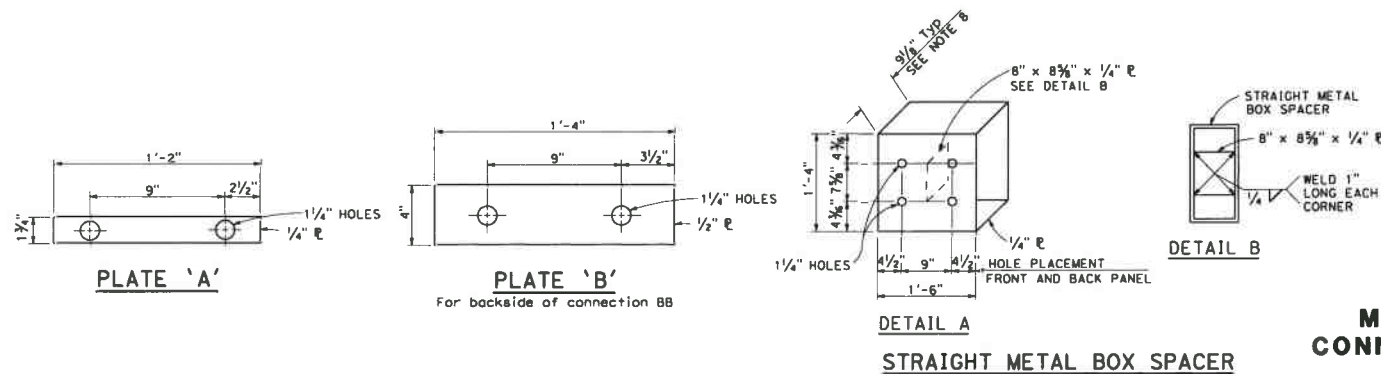
DIST.	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS
REGISTERED CIVIL ENGINEER May 1, 2023 PLANS APPROVAL DATE THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF EXAMINED COPIES OF THIS PLAN SHEET.				



MIDWEST GUARDRAIL SYSTEM CONNECTION TO BRIDGE RAILING WITHOUT SIDEWALK

NOTES:

1. See Standard Plan A77U2 for additional connection details to bridges without sidewalks.
2. Additional details of posts, blocks and hardware are shown on Standard Plans A77M1, A77N1 and A77N2.
3. For additional details of Transition Railing (Type WB-31), see Standard Plan A77U4. Transition Railing (Type WB-31) transitions the 12 gauge MGS railing section to a heavier gauge nested thrie beam railing section which is connected to the concrete bridge railing.
4. For typical use of Connection Detail AA, see Layout Types 12A and 12B on Standard Plan A7701, Layout Types 12C and 12D on Standard Plan A7702, and Layout Type 12E on Standard Plan A7703.
5. For typical use of Connection Detail BB, see Layout Type 12D (structure departure railing connection) on Standard Plan A7702 and Layout Type 12DD on Standard Plan A7705.
6. Where the height of the bridge railing exceeds the height of the thrie beam railing by more than 1" at Connection Detail AA, taper the top of the end of the bridge railing at 4:1 to match the top elevation of the thrie beam rail.
7. For details of End Cap (Type TC), see Standard Plan A77U4.
8. See Standard Plan A77U4 for additional details regarding depth dimension for straight metal box spacer.

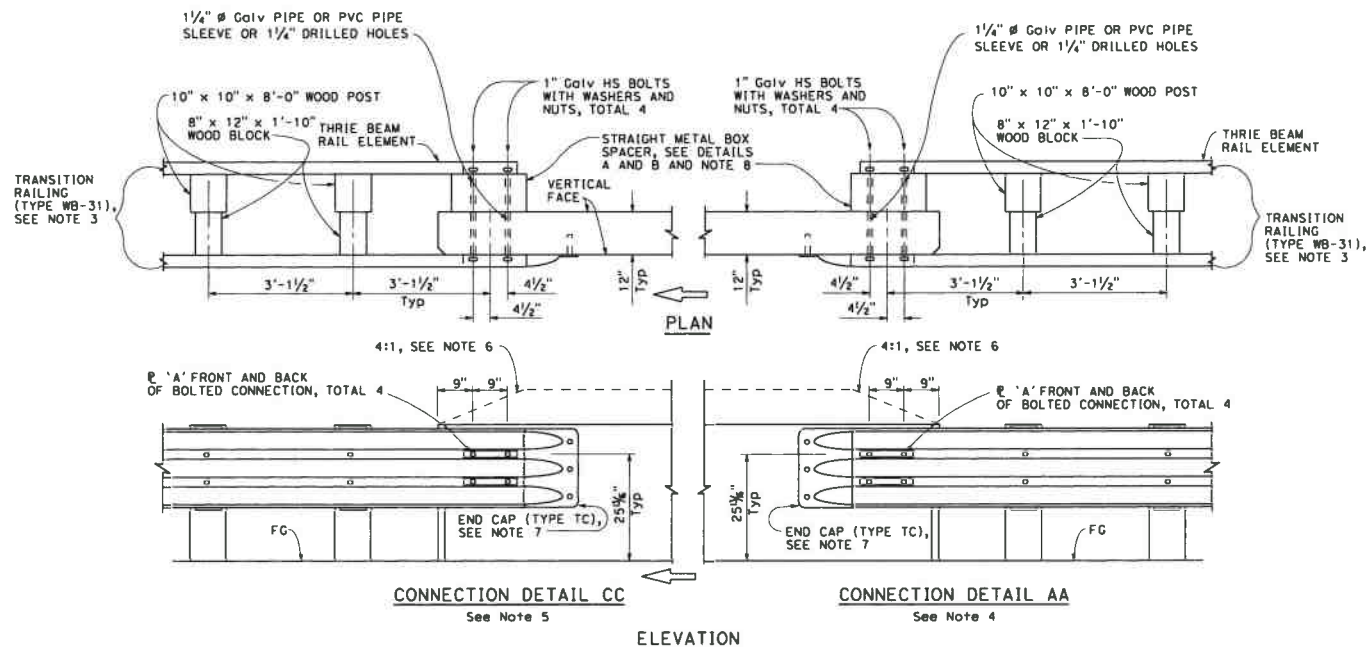


STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

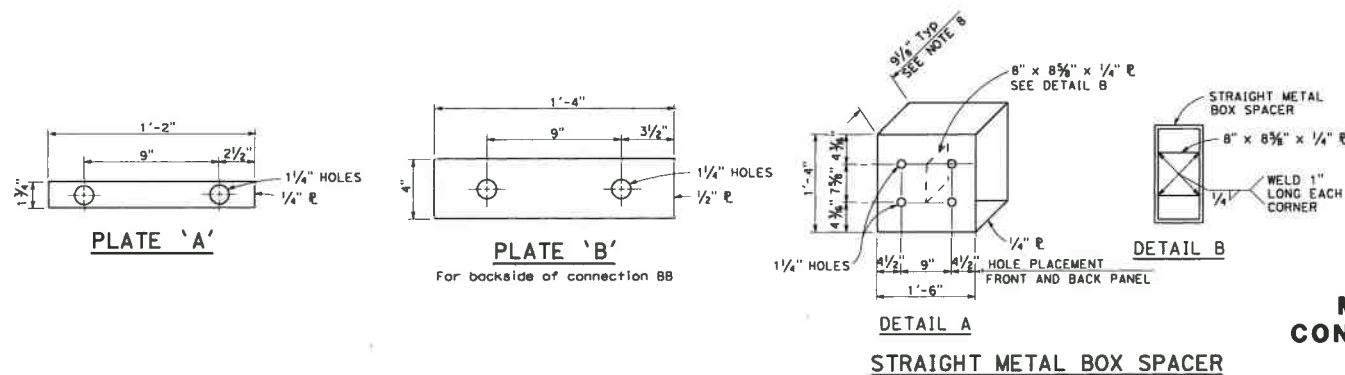
MIDWEST GUARDRAIL SYSTEM CONNECTIONS TO BRIDGE RAILINGS WITHOUT SIDEWALKS DETAILS No. 1

NO SCALE

A77U1



MIDWEST GUARDRAIL SYSTEM CONNECTION TO BRIDGE RAILING WITHOUT SIDEWALK



STRAIGHT METAL BOX SPACER

MIDWEST GUARDRAIL SYSTEM CONNECTIONS TO BRIDGE RAILINGS WITHOUT SIDEWALKS DETAILS No. 2

NO SCALE

A77U2

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
REGISTERED CIVIL ENGINEER May 1, 2023 PLANS APPROVAL DATE THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. REGISTERED PROFESSIONAL ENGINEER TUM MING No. C82085 Exp. 3-31-24 CIVIL STATE OF CALIFORNIA				

NOTES:

1. See Standard Plan A77U1 for additional connection details to bridges without sidewalks.
2. Additional details of posts, blocks and hardware are shown on Standard Plans A77M1, A77N1 and A77N2.
3. For additional details of Transition Railing (Type WB-31), see Standard Plan A77U4. Transition Railing (Type WB-31) transitions the 12 gauge MGS railing section to a heavier gauge nested thrie beam railing section which is connected to the concrete bridge railing.
4. For typical use of Connection Detail AA, see Layout Types 12A and 12B on Standard Plan A7701, Layout Types 12C and 12D on Standard Plan A7702, and Layout Type 12E on Standard Plan A7703.
5. For typical use of Connection Detail CC, see Layout Types 12AA and 12BB on Standard Plan A7704 and Layout Type 12CC on Standard Plan A7705.
6. Where the height of the bridge railing exceeds the height of the thrie beam railing by more than 1" at Connection Detail AA and connection Detail CC, taper the top of the end of the bridge railing at 4:1 to match the top elevation of the thrie beam railing.
7. For details of End Cap (Type TC), see Standard Plan A77U4.
8. See Standard Plan A77U4 for additional details regarding depth dimension for straight metal box spacer.

PLATE 'A' FRONT AND BACK OF BOLTED CONNECTION, TOTAL 4

$\frac{3}{4}$ " x 4" WEDGE/EXPANSION ANCHORS WITH NUTS AND WASHERS. $\frac{1}{2}$ " MAX EXPOSED THREAD

CONCRETE BRIDGE RAILING OR WALL
 $\frac{5}{8}$ " ϕ BUTTON HEAD BOLT WITH HEX NUT, Typ SEE NOTE 1

10" x 10" x 8'-0" WOOD POST WITH 8" x 12" x 1'-10" WOOD BLOCK

POST No. T8

POST No. T7

POST No. T6

POST No. T5

POST No. T4

POST No. T3

POST No. T2

POST No. T1

6" x 8" x 6'-0" WOOD POST OR W6 x 9 STEEL POST WITH 6" x 12" x 1'-2" WOOD BLOCK

10" x 10" x 6'-0" WOOD POST WITH 8" x 12" x 1'-2" WOOD BLOCK

SEE NOTES 5 AND 9

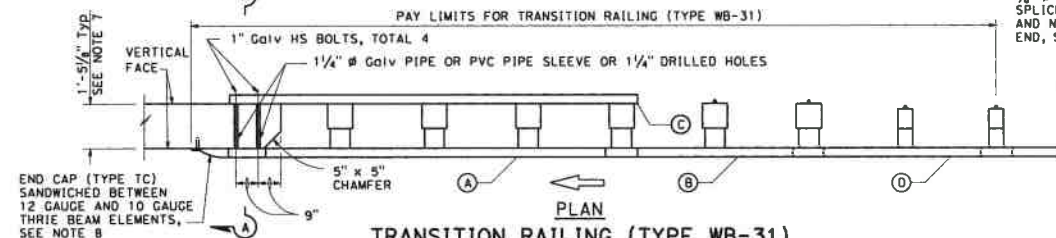
GROUND LINE

ELEVATION

PAY LIMITS FOR TRANSITION RAILING (TYPE WB-31)

1" Galv HS BOLTS, TOTAL 4

$\frac{1}{4}$ " ϕ Galv PIPE OR PVC PIPE SLEEVE OR $\frac{1}{4}$ " DRILLED HOLES



END CAP (TYPE TC) SANDWICHED BETWEEN 12 GAUGE AND 10 GAUGE THRIE BEAM ELEMENTS, SEE NOTE 8

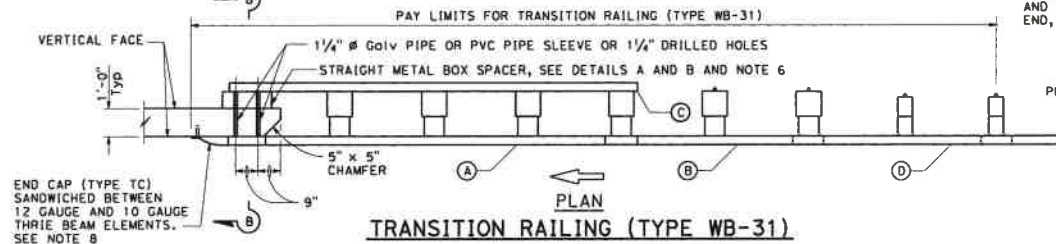
TRANSITION RAILING (TYPE WB-31)

(No Blockout Attachment)

PAY LIMITS FOR TRANSITION RAILING (TYPE WB-31)

$\frac{1}{4}$ " ϕ Galv PIPE OR PVC PIPE SLEEVE OR $\frac{1}{4}$ " DRILLED HOLES

STRAIGHT METAL BOX SPACER, SEE DETAILS A AND B AND NOTE 6



END CAP (TYPE TC) SANDWICHED BETWEEN 12 GAUGE AND 10 GAUGE THRIE BEAM ELEMENTS, SEE NOTE 8

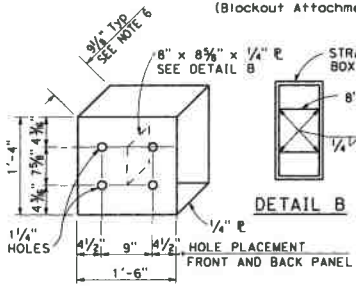
TRANSITION RAILING (TYPE WB-31)

(Blockout Attachment)

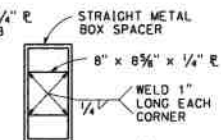
LEGEND:

- (A) NESTED THRIE BEAM ELEMENTS (ONE 12 GAUGE ELEMENT NESTED OVER ONE 10 GAUGE ELEMENT).
- (B) ONE ASYMMETRICAL 10 GAUGE "W" BEAM TO THRIE BEAM ELEMENT.
- (C) ONE 12 GAUGE THRIE BEAM ELEMENT.
- (D) ONE 10 GAUGE "W" BEAM RAIL ELEMENT (7'-3 1/2" LENGTH)

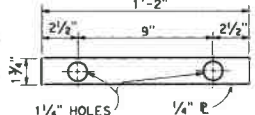
10 GAUGE = 0.138" THICK
12 GAUGE = 0.108" THICK



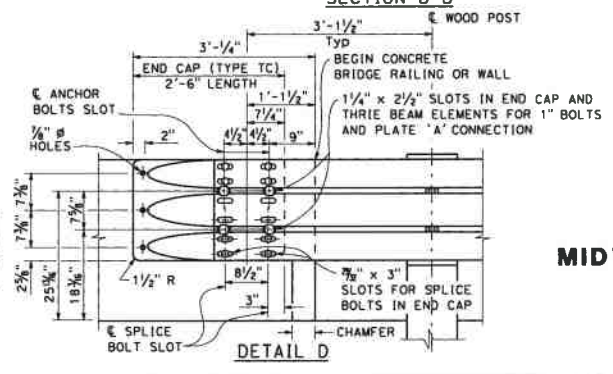
DETAIL A
STRAIGHT METAL BOX SPACER



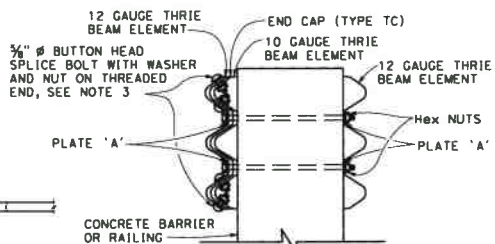
DETAIL B
STRAIGHT METAL BOX SPACER



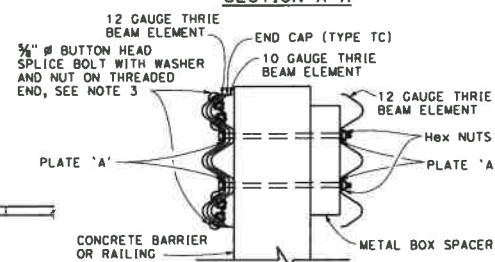
DETAIL C
PLATE 'A'



DETAIL D
PLATE 'A'



SECTION A-A



SECTION B-B

NOTES:

- Use $\frac{3}{4}$ " ϕ Button head bolts and hex nuts for connections to posts. No washer on rail face for bolted connections to post.
- The nested rail elements, end cap, and "W" beam to thrie beam element may be spliced together prior to bolting the elements to the wood post and concrete barrier or railing.
- Exterior splice bolt holes for rail element splices at Post No. T5 and the connection to the concrete barrier or railing shall be the standard $\frac{3}{4}$ " x $\frac{1}{4}$ " slot size. Interior splice bolt holes at these locations may be increased up to $\frac{1}{4}$ " ϕ . Only the top 4 and the bottom 4 splice bolts with washers and nuts are required for rail splices at Post No. T5 and the connection to the concrete barrier or railing.
- The top elevation of Posts No. T2 through No. T7 shall not project more than 1" above the top elevation of the rail element.
- Typically, the railing connected to Transition Railing (Type WB-31) will be either standard railing section of MGS with height transition ratio of 150:1 or a Caltrans approved 31" end treatment attached to Post No. T1.
- The depth of the metal box spacer varies from the $\frac{9}{16}$ " to $\frac{1}{2}$ " and is dependent on the width of the concrete railing or wall. The combined dimension for the depth of the metal box spacer plus the width of railing or wall is typically $21\frac{1}{8}$ ". Where the space between the backside of the concrete railing or wall and the rear thrie beam element is less than $\frac{1}{2}$ ", metal plates similar to Plate 'A' are to be used as spacers.
- Where the width of the concrete railing or wall is greater than $17\frac{1}{8}$ ", wood blocks are to be used to fill the space created between the backside of Posts No. T5 through No. T8 and the rear thrie beam element. These wood blocks shall be 8" in width and 1'-2" in length. The dimension between the front thrie beam element and the rear thrie beam element is to match the width of the concrete railing or wall.
- End cap may be installed over 12 gauge and 10 gauge thrie beam elements where transition railing is installed on the departure end of bridge railing.
- Conform standard railing section height to 31" at Post No. T1 using height transition ratio of 150:1. MGS tolerance at post No. T1 is ± 1 ".

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
TRANSITION RAILING
(TYPE WB-31)**

NO SCALE

A77U4

DIST.	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	No. SHEETS
<p>REGISTERED CIVIL ENGINEER</p> <p>May 1, 2023</p> <p>PLANS APPROVAL DATE</p> <p>THE STATE OF CALIFORNIA ON ITS OFFICERS OF AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p>				

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Mark Ballantine
REGISTERED CIVIL ENGINEER

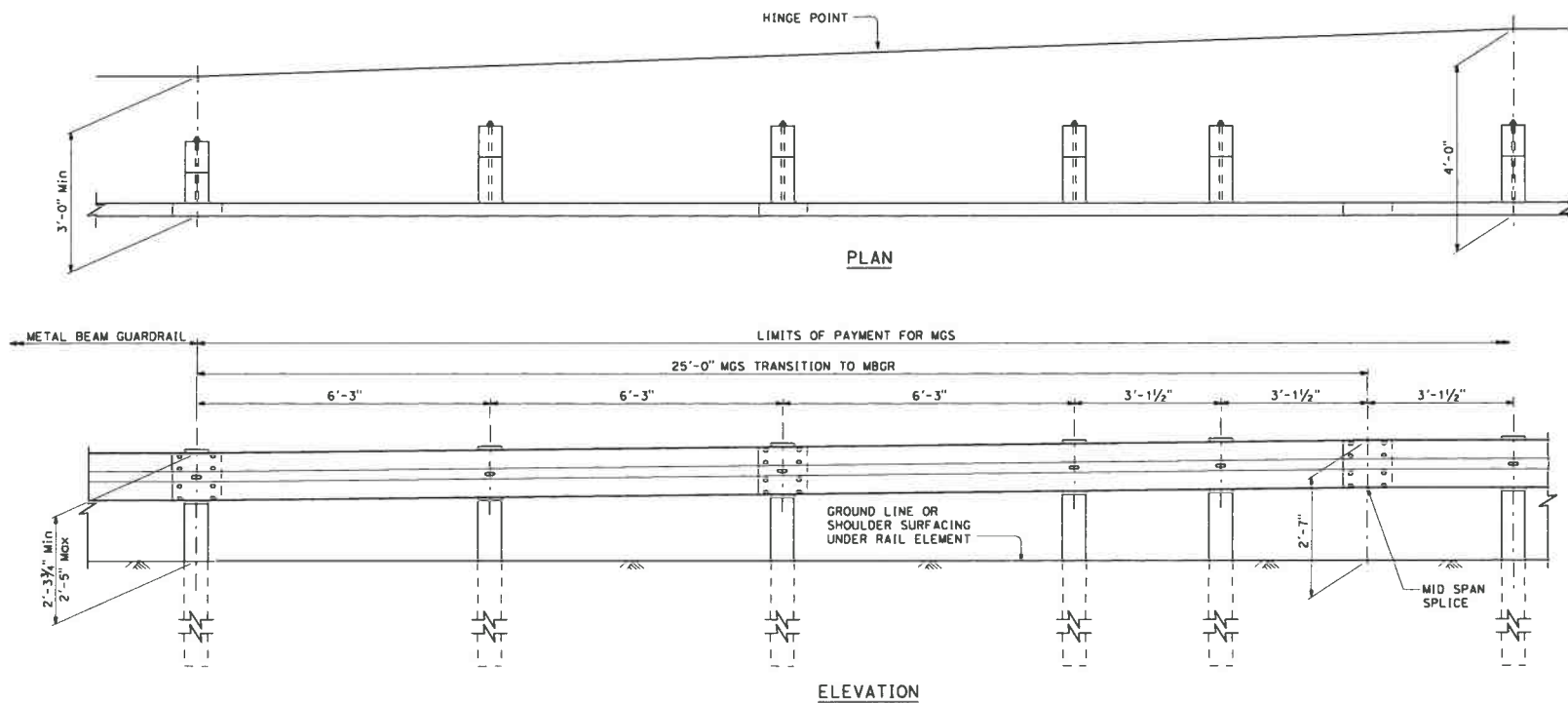
May 1, 2023
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
C64101
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STATE OF CALIFORNIA

NOTE:

1. Refer to Standard Plans A77L1 and A77L2 for component details for MGS not shown on this plan.



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**MIDWEST GUARDRAIL SYSTEM
TRANSITION TO METAL BEAM GUARDRAIL**
NO SCALE

A77U5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

W. H. H. H.
REGISTERED CIVIL ENGINEER

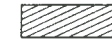
May 1, 2023
PLANS APPROVAL DATE

CS1902
Exp. 6-30-24
CIVIL

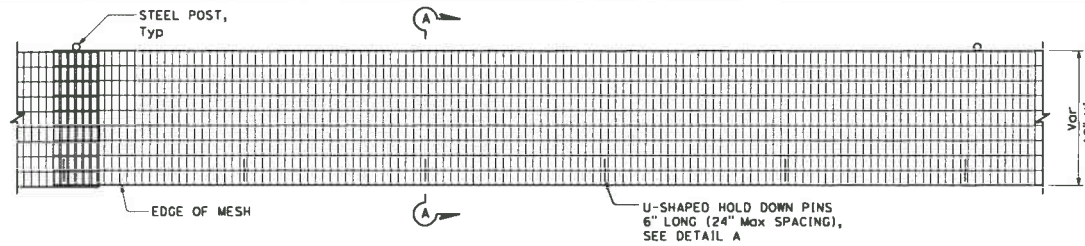
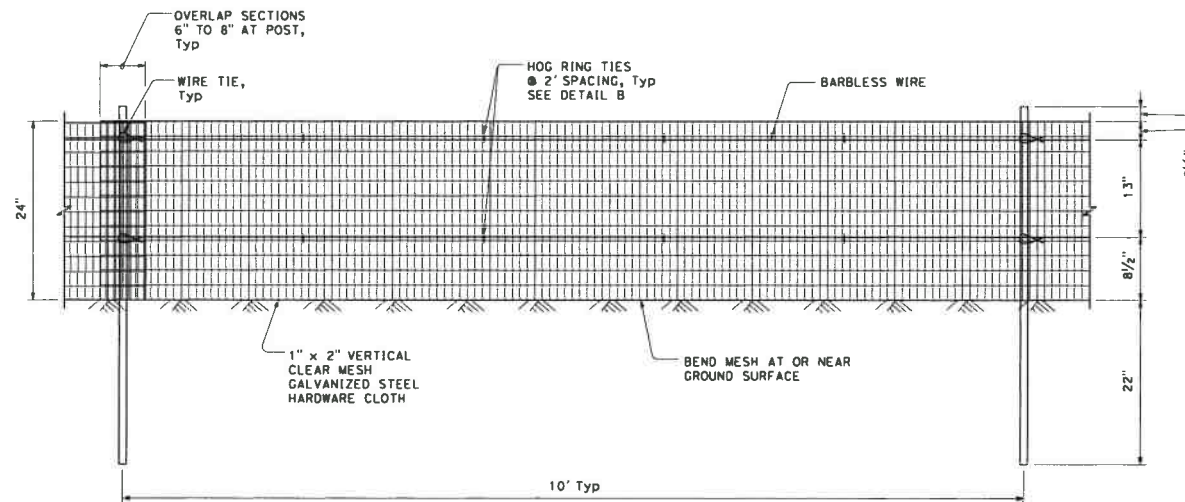
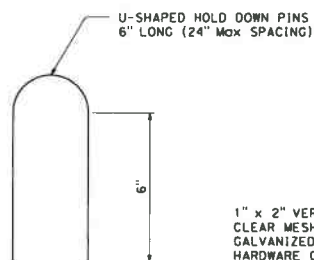
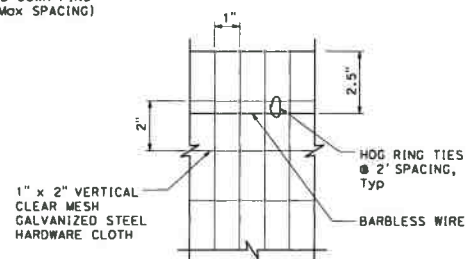
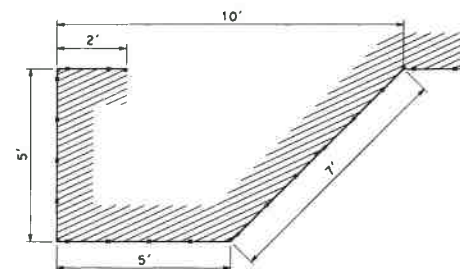
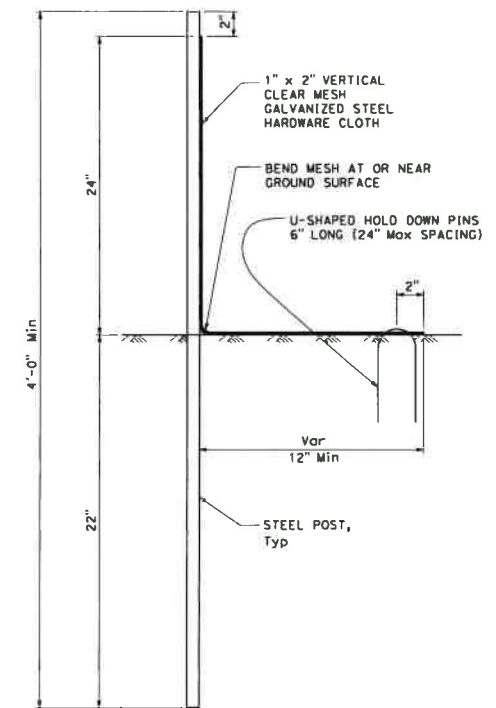
THE STATE OF CALIFORNIA OR ITS OFFICERS
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NOTES:

1. Exact locations for temporary desert tortoise fence are shown on the plans.
2. Horizontal portion of hardware cloth must be on habitat side of posts.

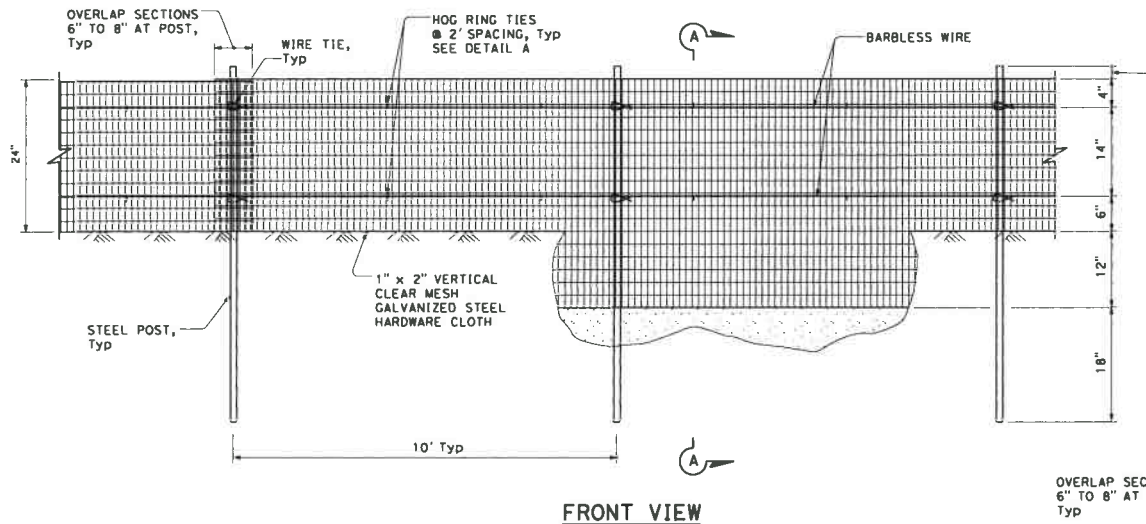
LEGEND:

DESERT TORTOISE HABITAT

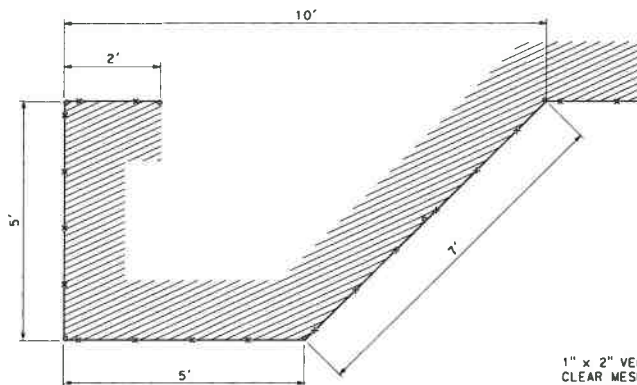
**PLAN VIEW****FRONT VIEW****DETAIL A****DETAIL B****REDIRECTIONAL CONFIGURATION PLAN VIEW****SECTION A-A**

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY DESERT
TORTOISE FENCE**
NO SCALE

A84A



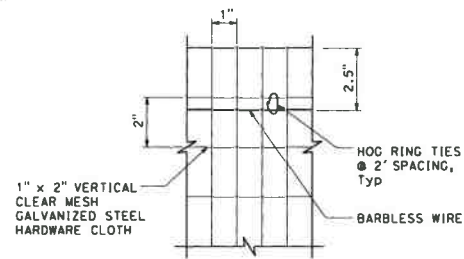
FRONT VIEW



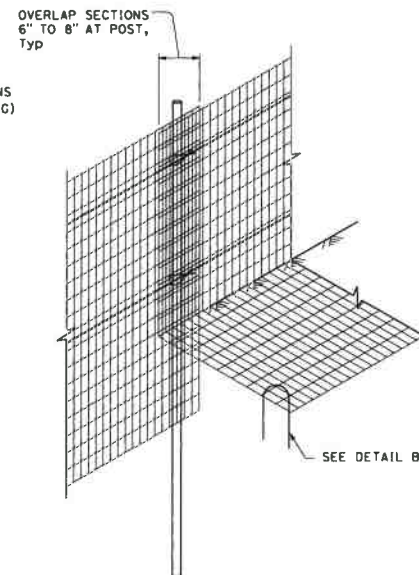
REDIRECTIONAL CONFIGURATION PLAN VIEW

U-SHAPED HOLD DOWN PINS
6" LONG (24" Max SPACING)

DETAIL B



DETAIL A

FENCE TRANSITION FOR
BEDROCK OR CALICHE SUBSTRATE

NOTE:

1. Exact locations for desert tortoise
fence are shown on the plans.

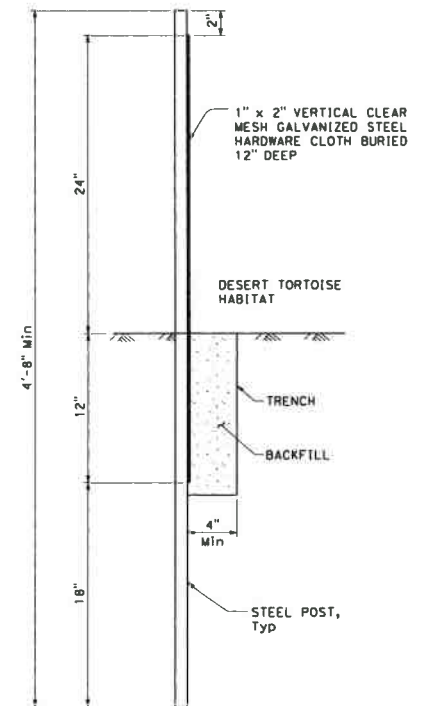
LEGEND:

DESERT TORTOISE HABITAT

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

W. Rezo
REGISTERED CIVIL ENGINEER
May 1, 2023
PLANS APPROVAL DATE
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W. Rezo
Vol. 12000
CS1902
Exp. 6-30-24
CIVIL
STATE OF CALIFORNIA

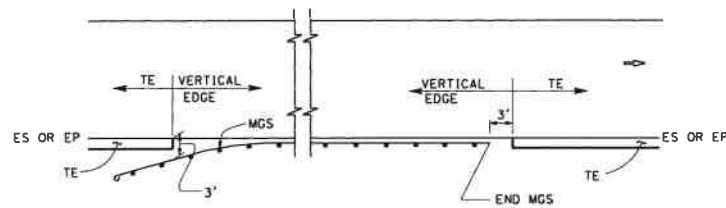


SECTION A-A

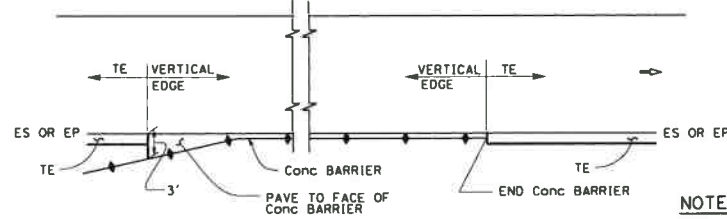
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DESERT TORTOISE FENCE
NO SCALE

A84B

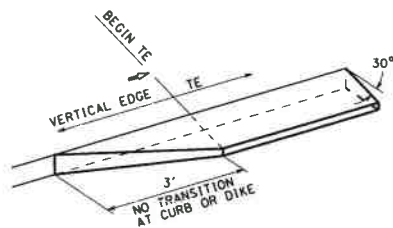
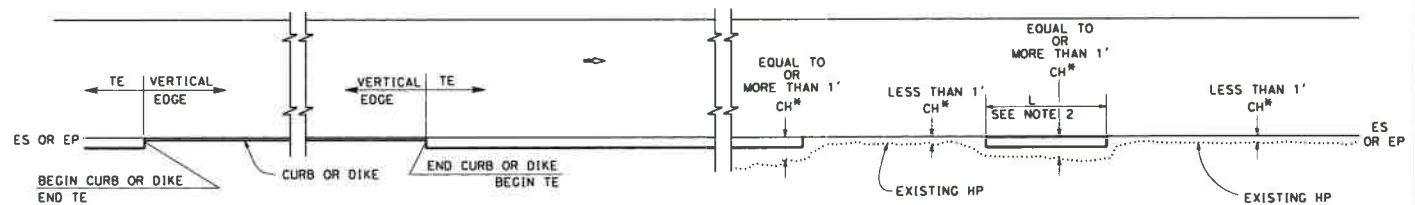
2023 STANDARD PLAN A84B



MGS



CONCRETE BARRIER

TRANSITION DETAIL
FOR CONCRETE ONLY

CURB OR DIKE

NOTES:

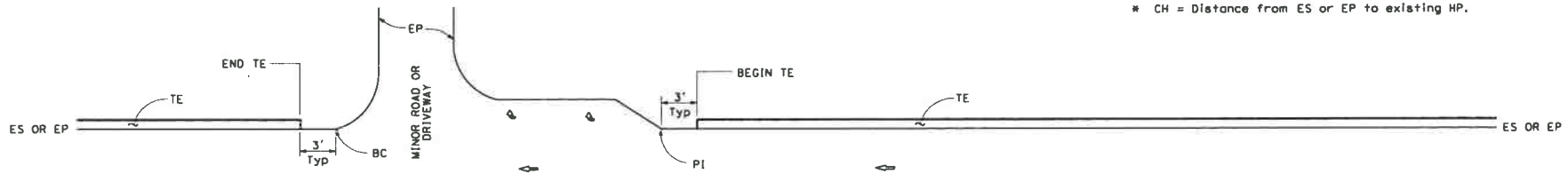
1. For details not shown, see Standard Plans P75 and P76.
2. Tapered edge is optional when L is less than 30'.

ABBREVIATIONS:

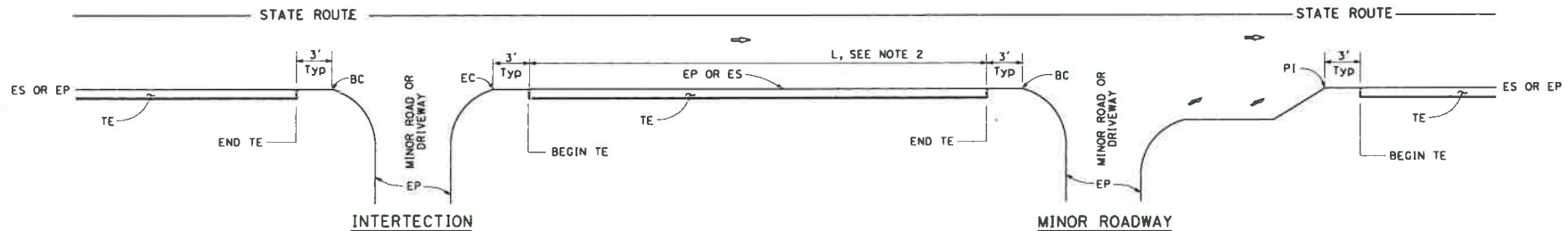
TE - TAPERED EDGE

NARROW SIDE SLOPE

* CH = Distance from ES or EP to existing HP.



INTERSECTION



DRIVEWAY AND INTERSECTION

MINOR ROADWAY
OR DRIVEWAY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT EDGE TREATMENTS
NO SCALE

P74

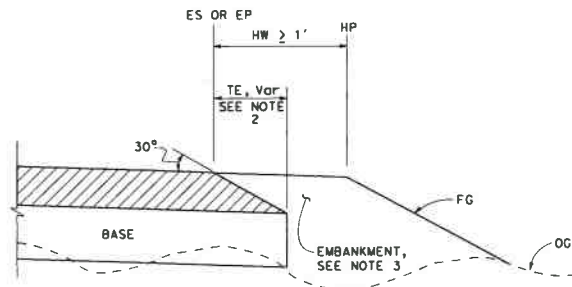
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Catherine Bous Dwyer Inc.
REGISTERED CIVIL ENGINEER

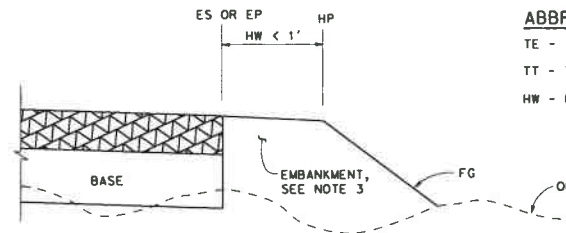
May 1, 2023
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
Catherine Bous Dwyer Inc.
Catherine Bous Dwyer Inc.
12-31-22
CIVIL
STATE OF CALIFORNIA

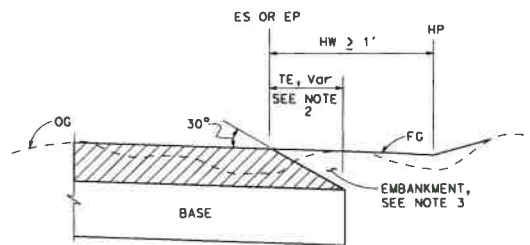


CASE K
Tapered Edge - Fill Section, $HW \geq 1'$

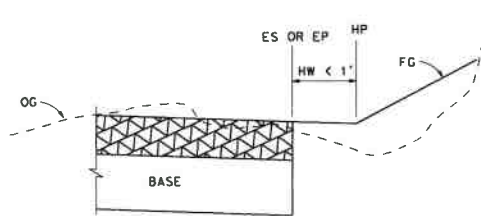


CASE L
Vertical Edge - Fill Section, $HW < 1'$

FILL SECTION



CASE M
Tapered Edge - Cut Section, $HW \geq 1'$



CASE N
Vertical Edge - Cut Section, $HW < 1'$

CUT SECTION

NOTES:

- For limits of tapered edge and vertical edge treatments, see Standard Plan P74.
- Details shown for HMA pavement thickness less than 0.43'. See Detail B for HMA pavement thickness more than 0.43' or concrete pavement.
- For locations and limits of embankment, see project plans.
- Tapered edge transverse joint must match pavement transverse joint. End of #6 longitudinal bar must be 2' ± 1/2" clear from transverse joint.
- Tapered edge is not needed in the area of MGS, barrier, right turn lane and acceleration lane. See Standard Plan P74.

LEGEND:

- HMA PAVEMENT
- HMA OR CONCRETE PAVEMENT
- CONCRETE PAVEMENT

ABBREVIATIONS:

- TE - TAPERED EDGE
- TT - TOTAL THICKNESS OF TE
- HW - HINGE WIDTH, DISTANCE FROM ES OR EP TO HP

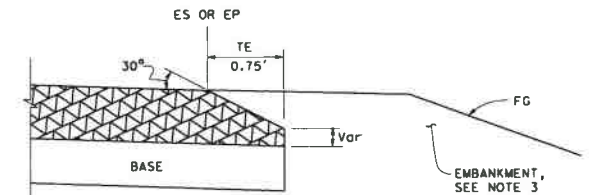
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Cathrine Bous Dwyer
REGISTERED CIVIL ENGINEER

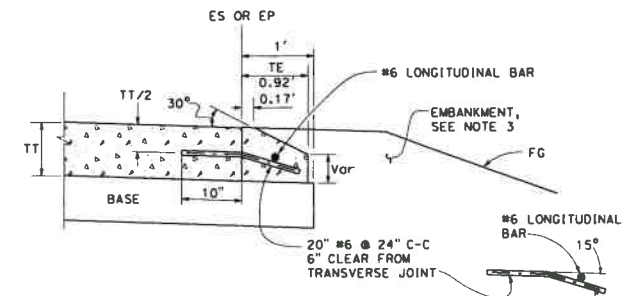
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REGISTERED PROFESSIONAL ENGINEER
Cathrine Bous Dwyer
No. 12-31-23
CIVIL
STATE OF CALIFORNIA



DETAIL B
For HMA pavement thickness more than 0.43' or concrete pavement



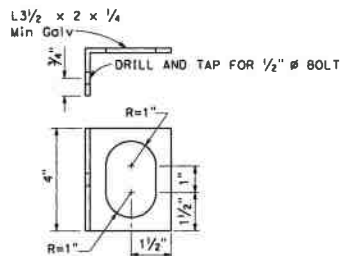
OPTIONAL DETAIL B
For concrete pavement, see Note 4

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

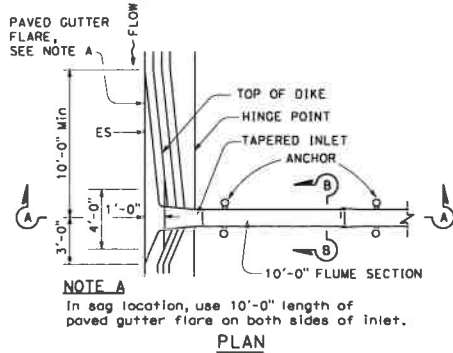
**PAVEMENT EDGE TREATMENTS
NEW CONSTRUCTION**

NO SCALE

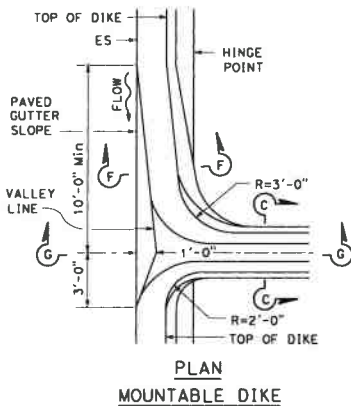
P76



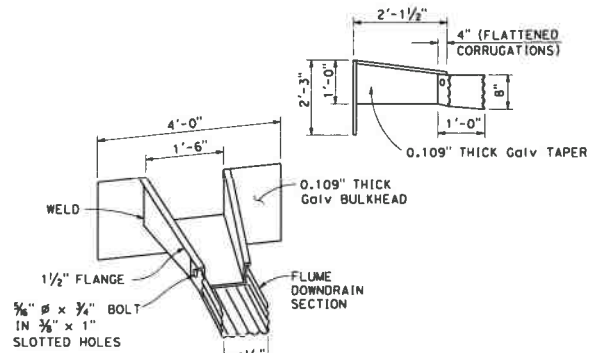
**ALTERNATIVE CLIP
BRACKET DETAIL**



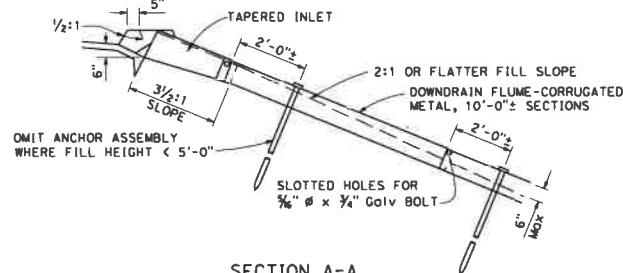
TAPERED INLET AND FLUME DOWNDRAIN



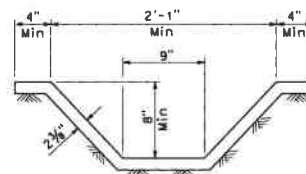
HOT MIX ASPHALT OVERSIDE DRAINS



TAPERED INLET

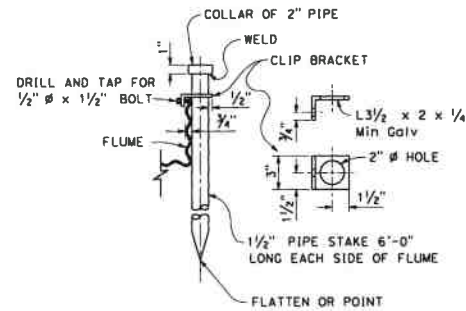


SECTION A-A

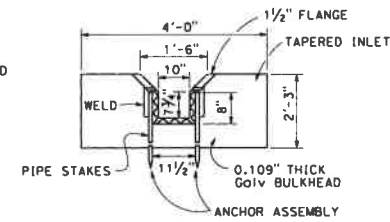


SECTION C-C
See Note 1

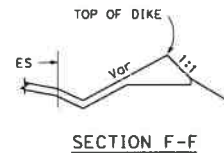
NOTE:
1. Cross section of slope ditch may be semicircular, vee or trapezoidal.



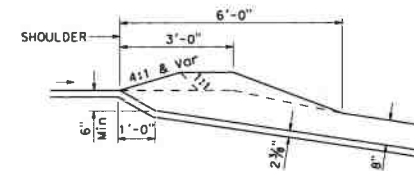
PIPE STAKE ANCHOR DETAIL



SECTION B-B



SECTION F-F



SECTION G-G

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
OVERSIDE DRAINS
NO SCALE

D87D

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

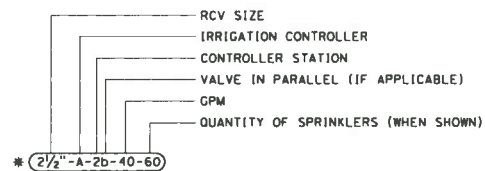
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REGISTERED PROFESSIONAL ENGINEER
Sean T. Penders
C63744
Exp. 9-30-24
CIVIL
STATE OF CALIFORNIA

EXISTING	NEW	ITEM DESCRIPTION
		WATER METER (WM)
		BACKFLOW PREVENTER ASSEMBLY (BPA)
		BACKFLOW PREVENTER ENCLOSURE (BPE)
		BOOSTER PUMP (BP)
		TRUCK LOADING STANDPIPE (TLS)
		FLOW SENSOR (FS)
		MASTER IRRIGATION CONTROLLER (MIC)
		AUXILIARY IRRIGATION CONTROLLER (AIC)
		IRRIGATION CONTROLLER (IC)
		IRRIGATION CONTROLLER (IC) (BATTERY)
		IRRIGATION CONTROLLER (IC) (SOLAR)
		IRRIGATION CONTROLLER (IC) (TWO WIRE)
		IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET (ICC)
		ARMOR-CLAD CONDUCTORS (ACC)
		CONTROL AND NEUTRAL CONDUCTORS (CNC)
		IRRIGATION CONDUIT
		IRRIGATION SLEEVE
		DUCTILE IRON PIPE (SUPPLY LINE) (MAIN) (DIP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (MAIN) (GSP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (LATERAL) (GSP)
		PLASTIC PIPE (SUPPLY LINE) (MAIN)
		PLASTIC PIPE (SUPPLY LINE) (LATERAL)
		COPPER PIPE (SUPPLY LINE)
		DRIP IRRIGATION TUBING
		REMOTE CONTROL VALVE (RCV)
		REMOTE CONTROL VALVE (MASTER) (RCVM)
		REMOTE CONTROL VALVE (MASTER) W/FLOW METER (RCVMF)
		REMOTE CONTROL VALVE W/PRESSURE REGULATOR (RCVP)
		EXISTING MANUAL CONTROL VALVE (MCV)
		DRIP VALVE ASSEMBLY (DVA)
		WYE STRAINER ASSEMBLY (WSA)

EXISTING	NEW	ITEM DESCRIPTION
		GATE VALVE (GV)
		BALL VALVE (BV)
		QUICK COUPLING VALVE (QCV)
		CAM COUPLER ASSEMBLY (CCA)
		GARDEN VALVE ASSEMBLY (GARVA)
		PRESSURE REGULATING VALVE (PRV)
		PRESSURE RELIEF VALVE (PRLV)
		FLOW CONTROL VALVE (FCV)
		COMBINATION AIR RELEASE VALVE (CARV)
		CHECK VALVE (CV)
		FLUSH VALVE (FV)
		EXISTING NOZZLE LINE W/TURNING UNION
		EXISTING IRRIGATION SYSTEM
		EXISTING IRRIGATION SYSTEM TO BE REMOVED
		CHAIN LINK GATE
		QUICK COUPLING VALVE W/SPRINKLER PROTECTOR
		SPRINKLER W/SPRINKLER PROTECTOR
		CONNECT TO EXISTING SYSTEM
		CAP
		CAP EXISTING
		FIBER ROLL
		COMPOST SOCK



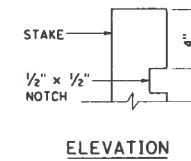
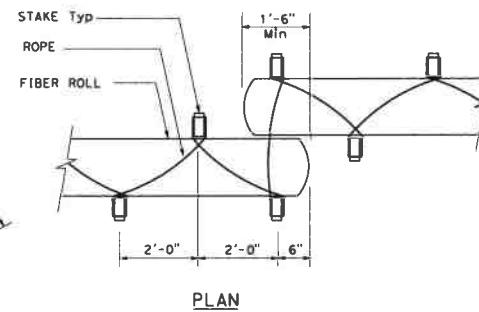
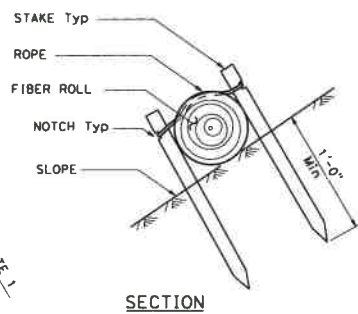
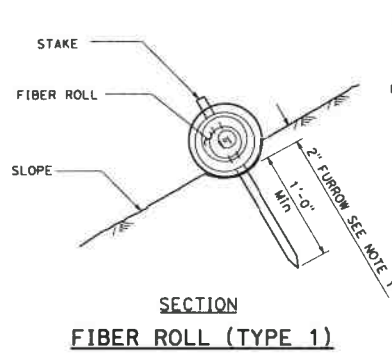
VALVE CODE

* VALVE CODES FOR EXISTING VALVES ARE SHOWN IN A DASHED ENCLOSURE.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
 May 1, 2023 PLANS APPROVAL DATE LICENSED LANDSCAPE ARCHITECT				
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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**LANDSCAPE AND EROSION
CONTROL SYMBOLS**
NO SCALE

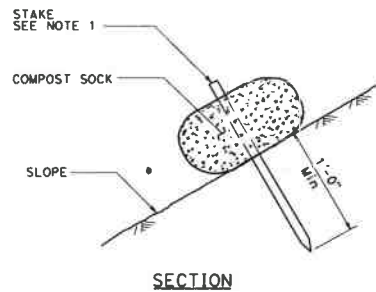
H1



STAKE NOTCH DETAIL

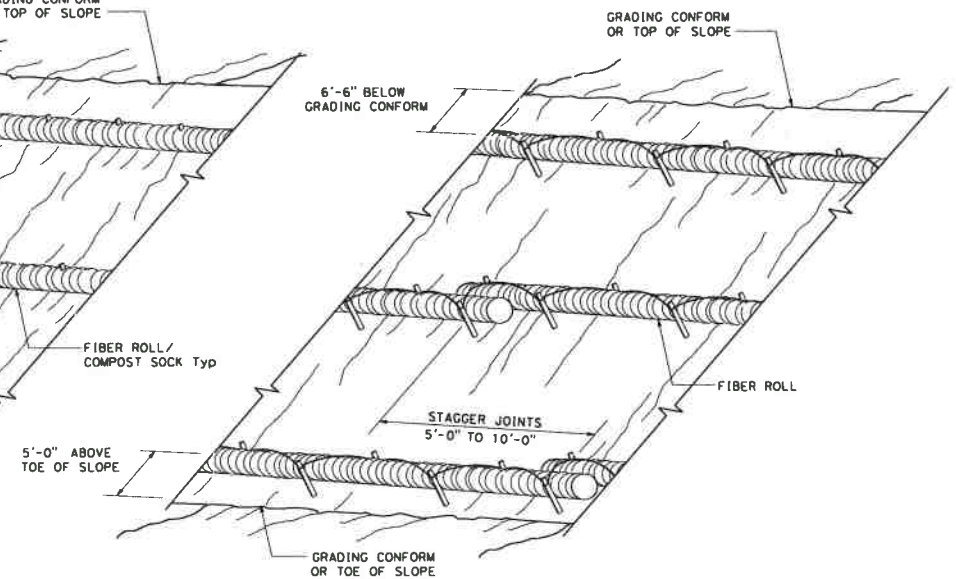
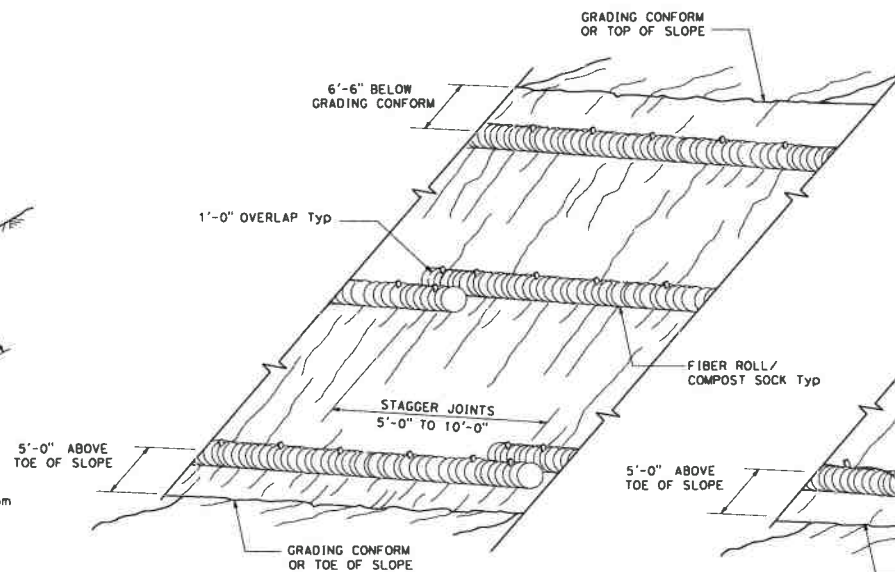
NOTE:

1. Installations shown in the perspectives are for slope inclination of 10:1 (Horiz:Vert) and steeper.



NOTE:

1. May install stake adjacent to bottom edge of compost sock.



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
EROSION CONTROL DETAILS
FIBER ROLL AND COMPOST SOCK

NO SCALE

H51

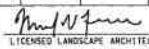
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS


May 1, 2023
PLANS APPROVAL DATE

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REGISTERED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA

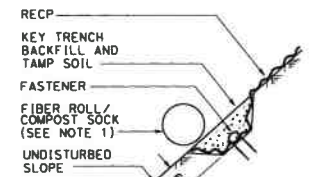
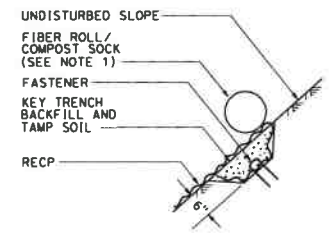
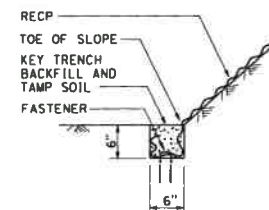
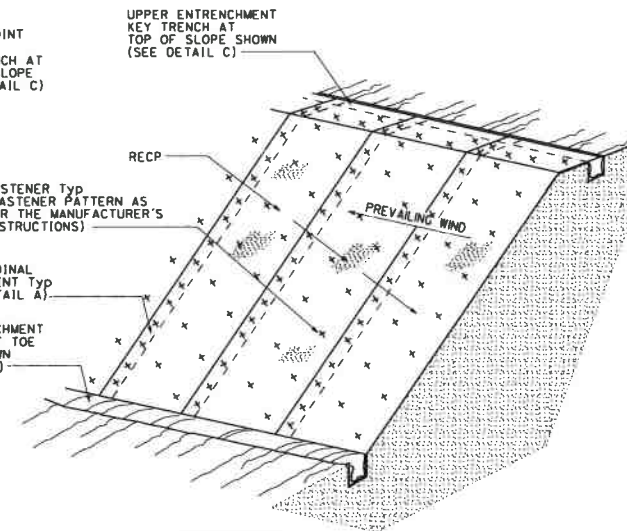
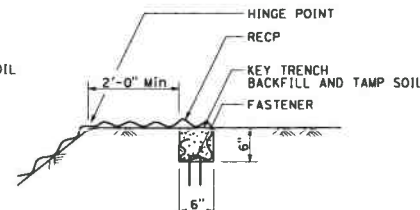
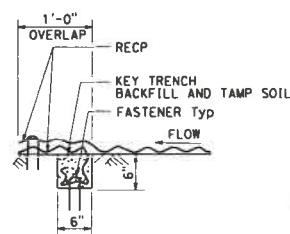
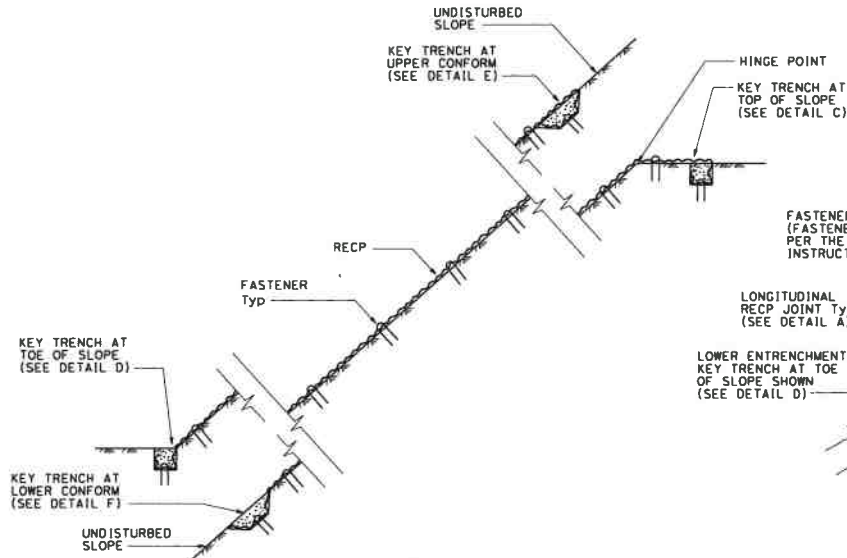
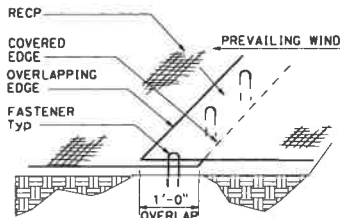
DIST	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	No. SHEETS


 LICENSED LANDSCAPE ARCHITECT
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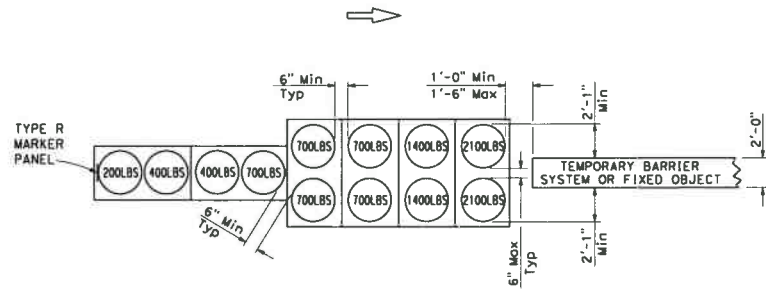
NOTES:

1. Fiber Roll/Compost Sock shown for reference purposes only.
2. If transverse rolled erosion control product joints are required on slopes, see Detail B.

**SECTION****DETAIL F****KEY TRENCH AT LOWER CONFORM****SECTION****DETAIL E****KEY TRENCH AT UPPER CONFORM****SECTION****DETAIL D****KEY TRENCH AT TOE OF SLOPE****ISOMETRIC****ROLLED EROSION CONTROL PRODUCT ON SLOPE****SECTION****DETAIL C****KEY TRENCH AT TOP OF SLOPE****SECTION****DETAIL B****TRANSVERSE ROLLED EROSION CONTROL PRODUCT JOINT****SECTION****ROLLED EROSION CONTROL PRODUCT ON SLOPE WITH VARIOUS KEY ENTRENCHMENTS****PERSPECTIVE****DETAIL A****LONGITUDINAL ROLLED EROSION CONTROL PRODUCT JOINT**

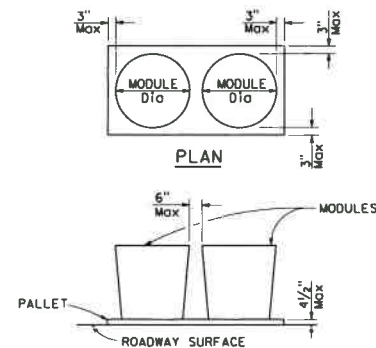
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
ROLLED EROSION CONTROL PRODUCT
 NO SCALE

H52



ARRAY 'TU12M'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Chas. P. Sykes
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

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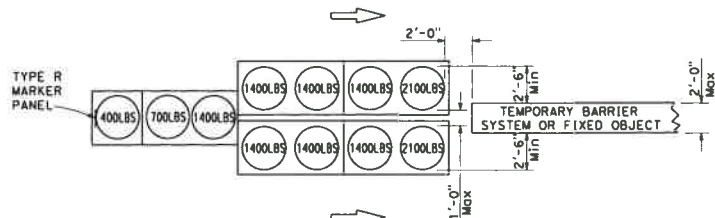
REGISTERED PROFESSIONAL ENGINEER
CHAS. P. SYKES
No. 54809
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal. Sand must contain no more than 7 percent water.
3. Refer to Standard Plan A73B for marker details.
4. Approach speeds indicated conform to MASH criteria.

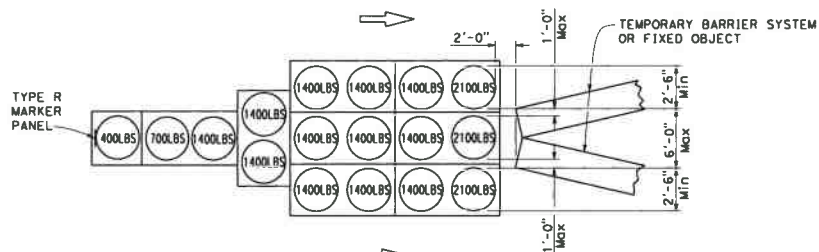
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**
NO SCALE

T1A



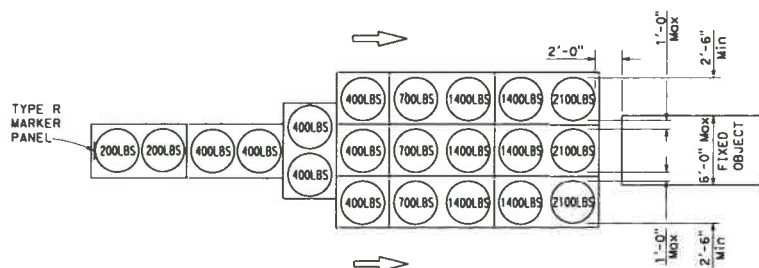
ARRAY 'TU11'

Approach speed less than 45 mph



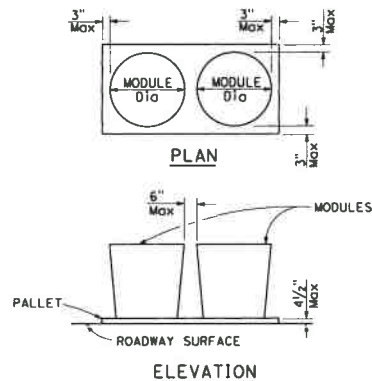
ARRAY 'TU17'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL

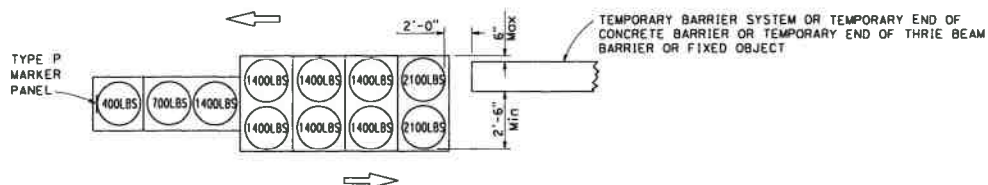
DIST.	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS
May 1, 2023				
PLANS APPROVAL DATE				
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NOTES:

1. (xxx) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal. Sand must contain no more than 7 percent water.
3. Refer to Standard Plan A73B for marker details.
4. Approach speeds indicated conform to NCHRP Report 350 criteria.

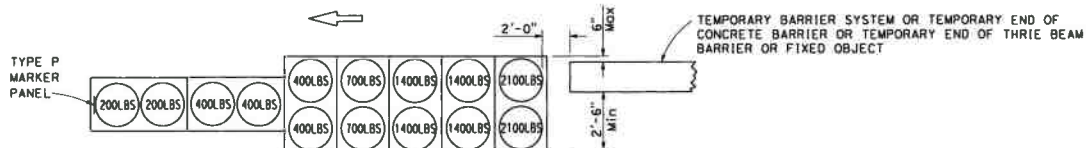
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**
NO SCALE

T1A1



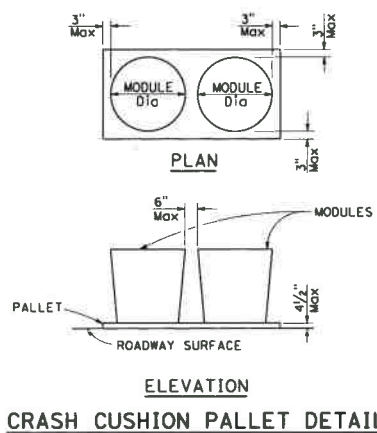
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
Charles D. Lupo REGISTERED CIVIL ENGINEER May 1, 2023 PLANS APPROVAL DATE THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.				
REGISTERED PROFESSIONAL ENGINEER Charles D. Lupo No. C43029 Exp. 3-31-24 CIVIL STATE OF CALIFORNIA				

NOTES:

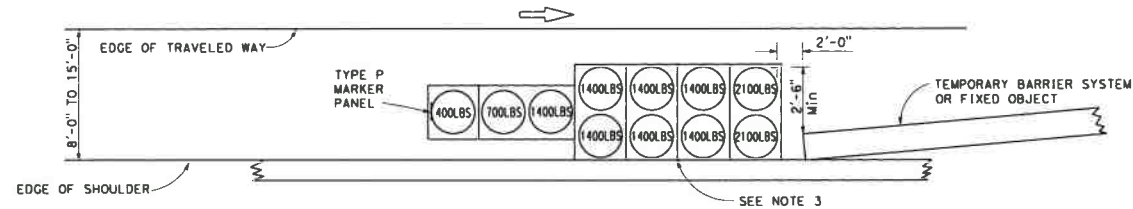
1. (xxx) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the modules.
2. All sand weights are nominal. Sand must contain no more than 7 percent water.
3. Refer to Standard Plan A73B for marker details.
4. Approach speeds indicated conform to NCHRP Report 350 criteria.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
 SAND FILLED
 (BIDIRECTIONAL)**

NO SCALE

T1B

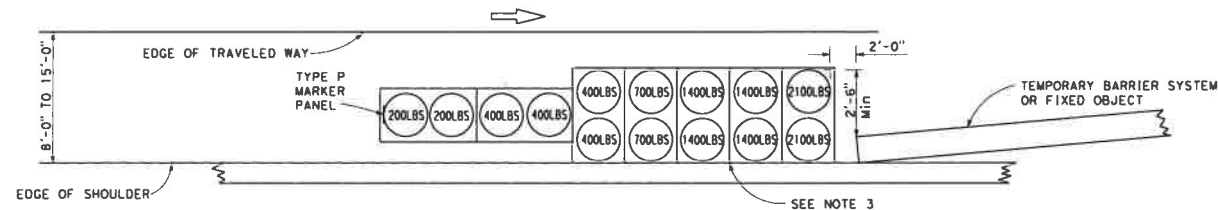
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS
May 1, 2023 PLANS APPROVAL DATE				
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ARRAY 'TS11'

Approach speed less than 45 mph,
See Note 6

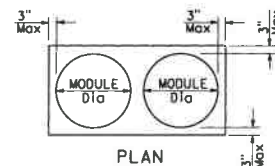
SEE NOTE 3



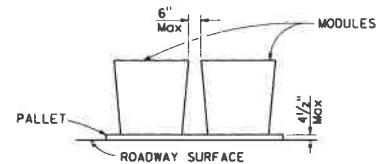
ARRAY 'TS14'

Approach speed 45 mph or more,
See Note 6

SEE NOTE 3



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

NOTES:

1. (xxx) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal. Sand must contain no more than 7 percent water.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
5. Refer to Standard Plan A738 for marker details.
6. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary rolling. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
7. Approach speeds indicated conform to NCHRP Report 350 criteria.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**

NO SCALE

T2



DIST	COUNTY	ROUTE	POST MILES	SHEET	TOTAL
			TOTAL PROJECT		SHEET

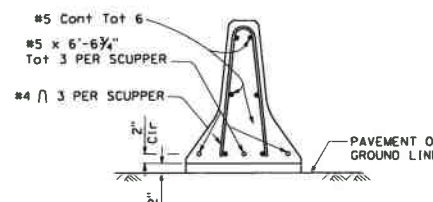
Charles D. Sykes
REGISTERED CIVIL ENGINEER

May 1, 2023
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FOR THE PROFESSIONAL ENGINEER
No. CA3020
Exp. 2-31-24
CIVIL
STATE OF CALIFORNIA

1. Far end treatment, layout and crash cushions, where needed, see Project Plans or Special Provisions.
2. All 3 1/2" gaps at removable panels are to be backed at the base with #8 x 10" dowel or 1" ø pin each side of joint, see Section G-6.
3. Where the offset distance from the exposed edge of deck to the closest edge of the temporary railing is less than 2'-0", attach each panel to deck slab with 1" diameter threaded rods (total four per panel) inserted through the slotted holes of the panel and secured in drilled hole deep in the deck slabs. See "Bridge Memo to Designers" Manual.



100'-0" Min TO NEXT OPENING IF REQUIRED

20'-0" REMOVABLE PANEL

10'-0" TO NEXT OPENING IF REQUIRED

2" GAP

3/2" Max GAP

3/2" Max GAP

2" GAP

1'-6" Typ

SEE NOTE 2

PAINT ENDS OF REMOVABLE PANEL AND ADJACENT PANEL SECTIONS WITH BLACK PAINT

ELEVATION

* Section G-G is for concrete pavement.
Alternative detail, 1" ϕ pins 2'-0" long driven in
existing AC or HMA.

SECTION E-E

3/4" Ø STEEL BARS
2'-0"

1/4" BOLT

1/2"

2 3/8"

3 1/4"

4" x 1 1/2" GROOVE
REMOVABLE PANELS ONLY

END OF PANEL

REMOVABLE PANEL ONLY

4" x 1 1/2"

SECTION H-H

ELEVATION

4"

4 1/2"

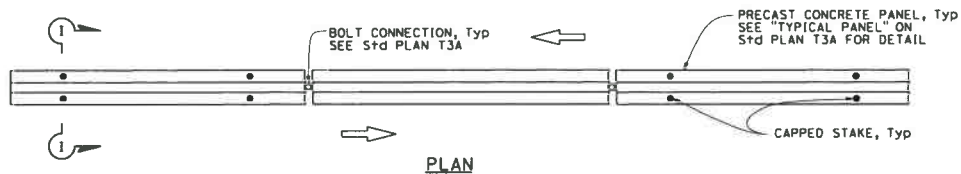
4"

REMOVABLE PANEL GROOVE DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY RAILING
(TYPE K)**

NO SCALE

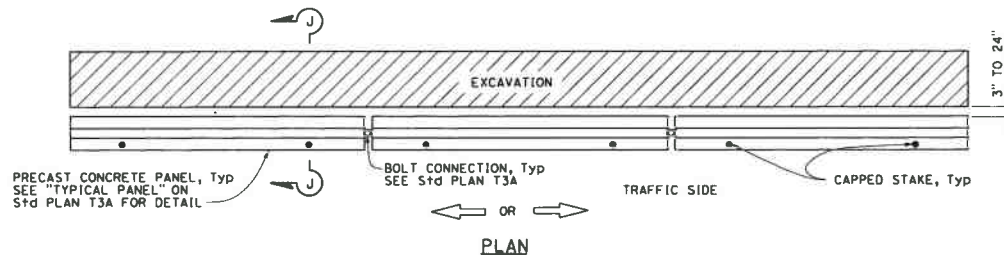
T3A



PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

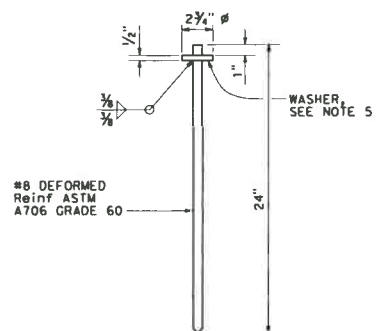
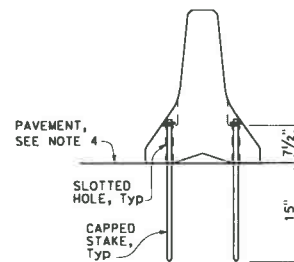
See Note 2



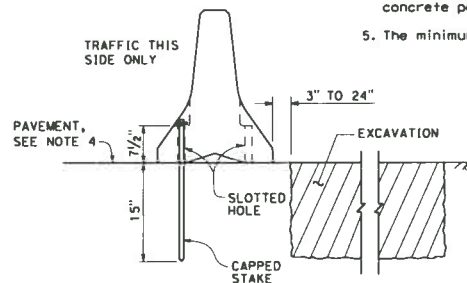
PLAN

RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

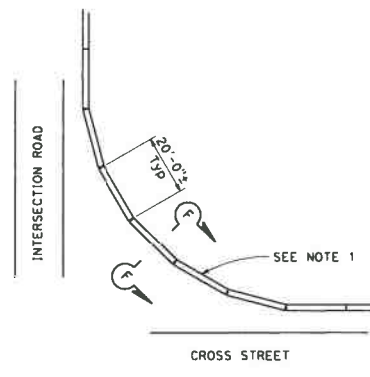
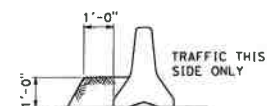
See Note 3

**CAPPED STAKE DETAIL**

SECTION I-I



SECTION J-J

**CURVED LAYOUT**

SECTION F-F

See Note 1

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY RAILING
(TYPE K)**

NO SCALE

T3B

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

Chas. P. Sighe
REGISTERED CIVIL ENGINEER

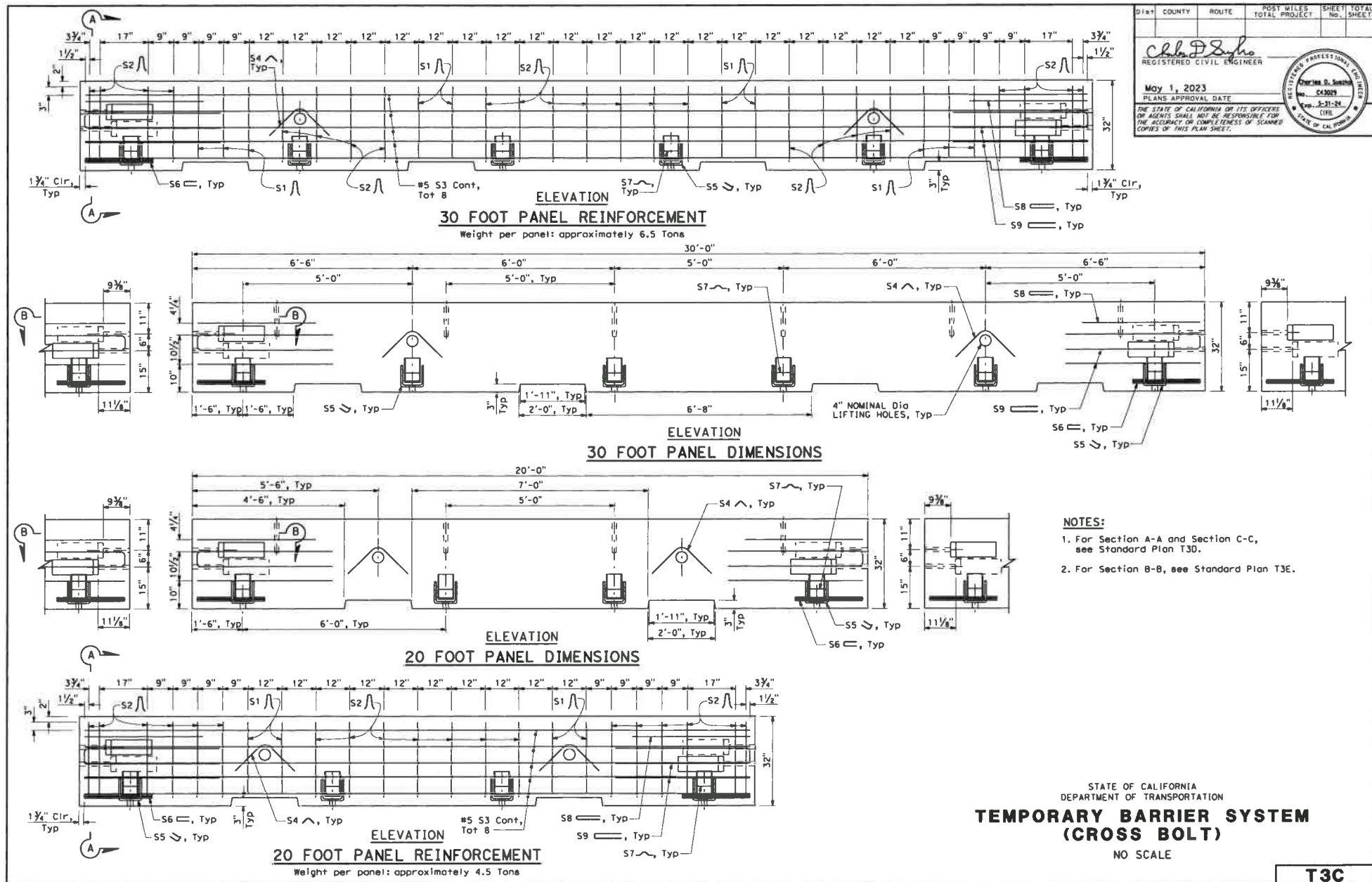
May 1, 2023
PLANS APPROVAL DATE

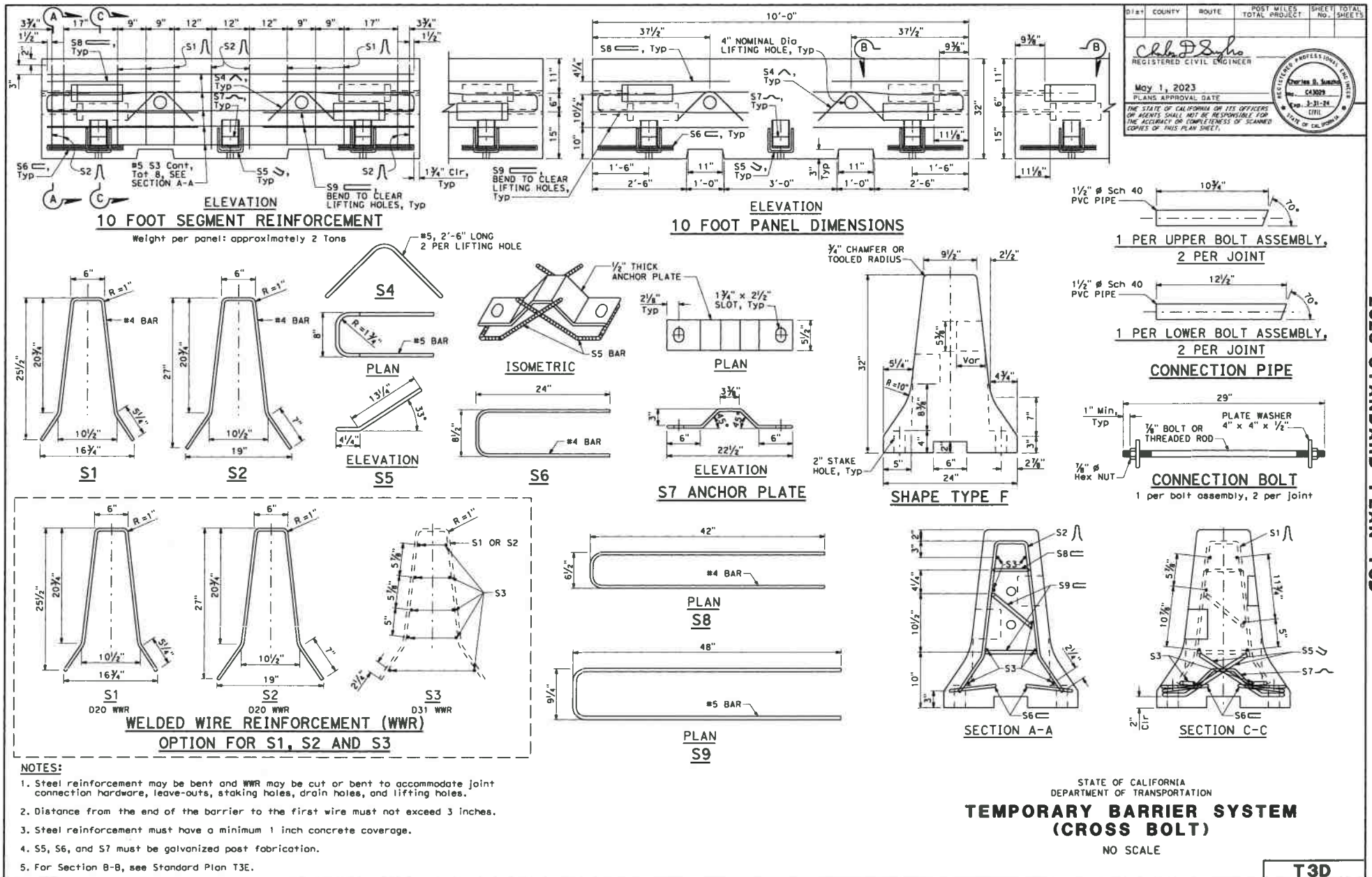
THE STATE OF CALIFORNIA OR ITS OFFICERS
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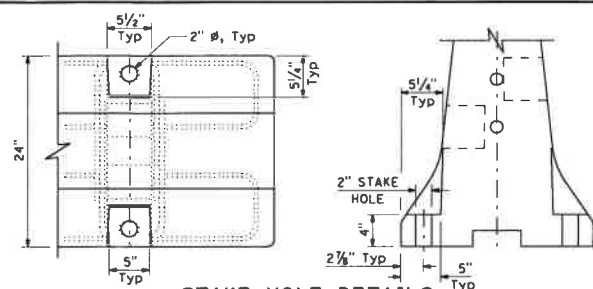
REGISTERED PROFESSIONAL ENGINEER
EX-3028
CIVIL
STATE OF CALIFORNIA

NOTES:

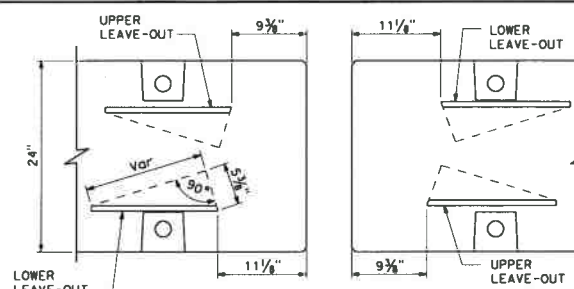
1. Where Type K Temporary Railing is placed on curves and radii that are too severe to connect panels with bolted joints, the railing must be backed continuously with earth fill. See Section F-F.
2. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
3. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
4. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
5. The minimum yield strength for the washer must be 60,000 psi.



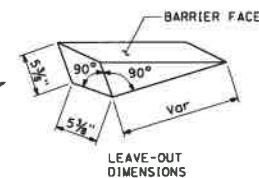




STAKE HOLE DETAILS



SECTION B-B LEAVE-OUT DETAILS



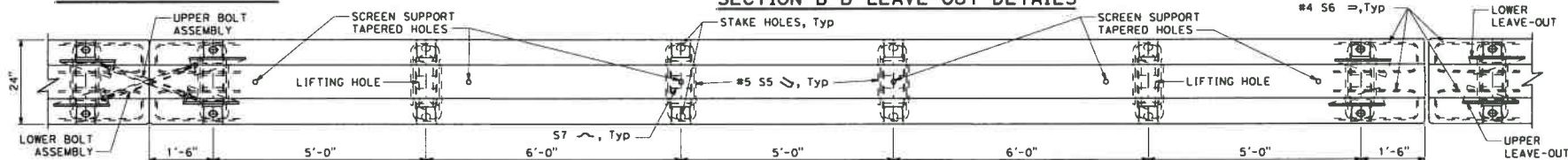
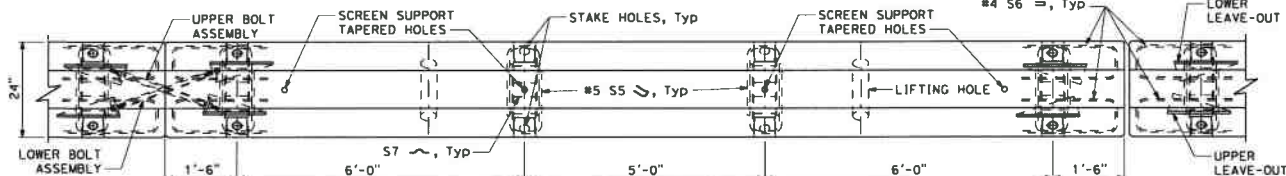
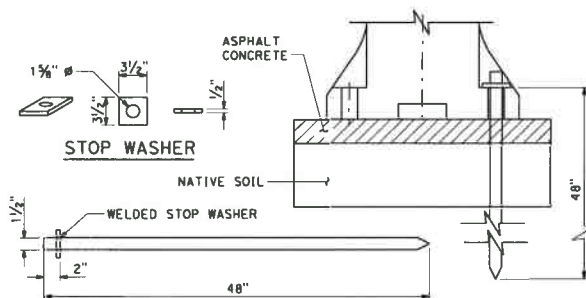
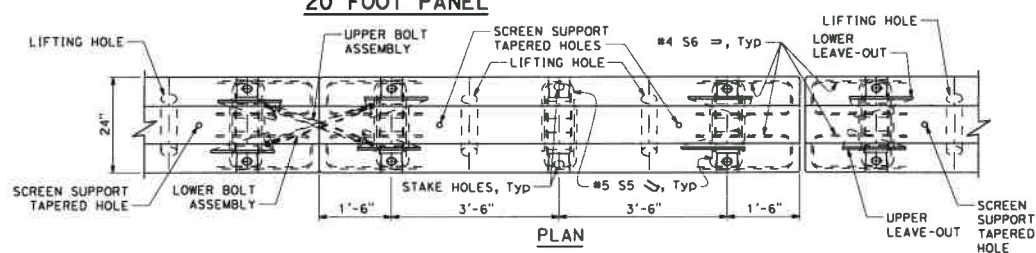
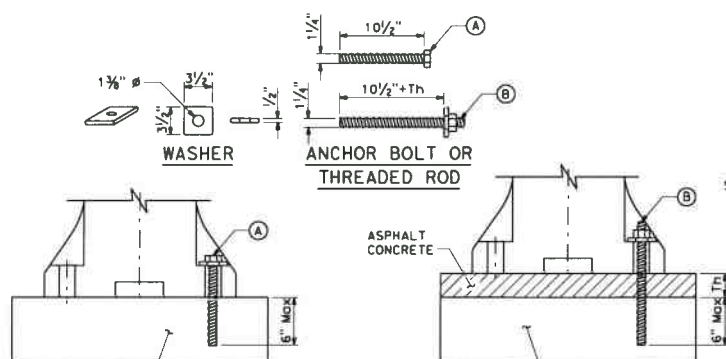
DT-1	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	No. SHEETS

Chad D. Sarno
 REGISTERED CIVIL ENGINEER
 May 1, 2023
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 Chad D. Sarno
 No. CA3029
 Exp. 3-31-24
 CIVIL
 STATE OF CALIFORNIA

NOTE:

1. For Section B-B, see Standard Plan 13C.

PLAN
30 FOOT PANELPLAN
20 FOOT PANELPLAN
10 FOOT PANEL

ANCHORING DETAILS

CONCRETE PAVEMENT OR BRIDGE DECK
WITHOUT ASPHALT CONCRETE OVERLAYCONCRETE PAVEMENT OR BRIDGE DECK
WITH ASPHALT CONCRETE OVERLAY
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TEMPORARY BARRIER SYSTEM
 (CROSS BOLT)**

NO SCALE

T3E

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING							
SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	X	Y	Z **
					TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	50	100	25
60	1440	720	360	240	50	100	25
65	1560	780	390	260	50	100	25
70	1680	840	420	280	50	100	25
75	1800	900	450	300	50	100	25

* - For other offsets, use the following merging taper length formula for L:
For speed of 40 mph or less, $L = WS^2/60$
For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet

W = Width of offset in feet

S = Posted speed limit, off-peak 85th-percentile
speed prior to work starting, or the anticipated
operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where
there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING				
SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
		ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891
75	820	866	927	1003

* - Speed is posted speed limit, off-peak 85th-percentile
speed prior to work starting, or the anticipated
operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrade steeper than -3 percent
and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING			
ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance
purposes only, and should be applied with engineering judgment.
These distances should be adjusted by the Engineer for field
conditions, if necessary, by increasing or decreasing the
recommended distances.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TABLES FOR LANE AND RAMP CLOSURES

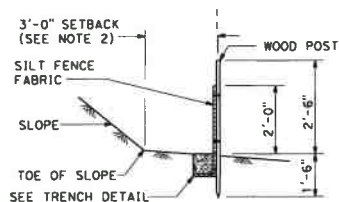
T9

Return to Table of Contents

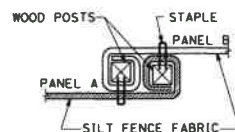
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Sean T. Penders
 REGISTERED CIVIL ENGINEER
 May 1, 2023
 PLANS APPROVAL DATE
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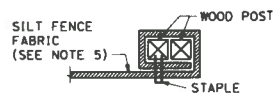
Sean T. Penders
 C63744
 9-30-24
 1311
 STATE OF CALIFORNIA



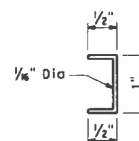
**SECTION A-A
TEMPORARY SILT FENCE**



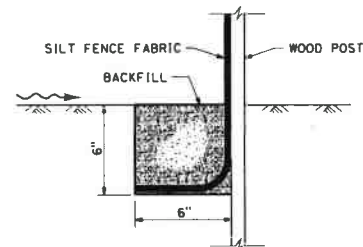
**PLAN
POST AT JOINTS**
(SEE NOTE 3)



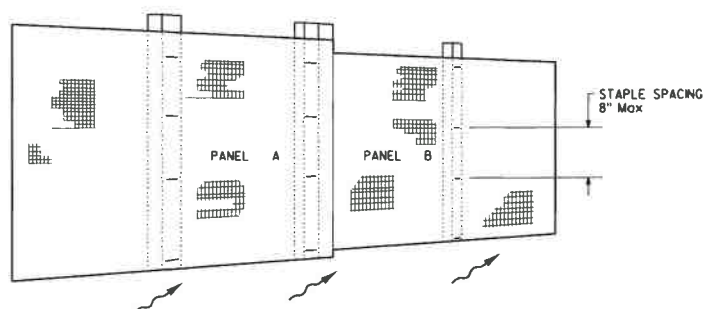
**PLAN
END POST DETAIL**



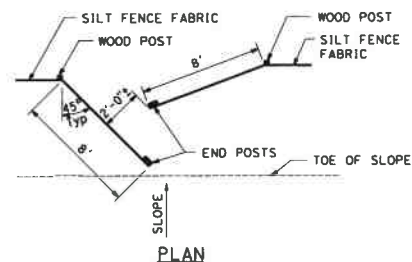
STAPLE DETAIL
(SEE NOTE 6)



**SECTION
TRENCH DETAIL**



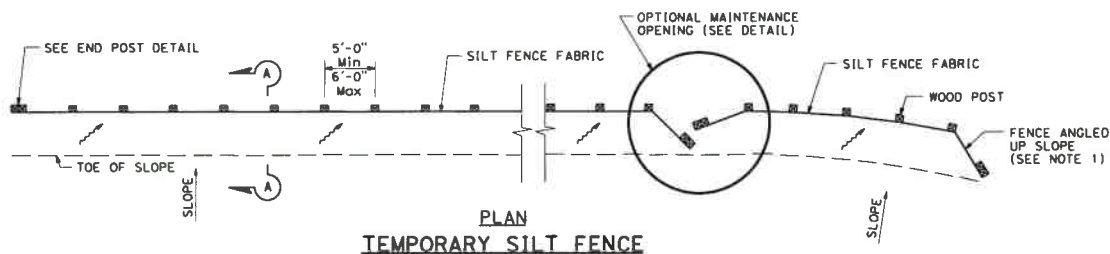
**PERSPECTIVE
SILT FENCE PANELS AT JOINTS**



OPTIONAL MAINTENANCE OPENING DETAIL

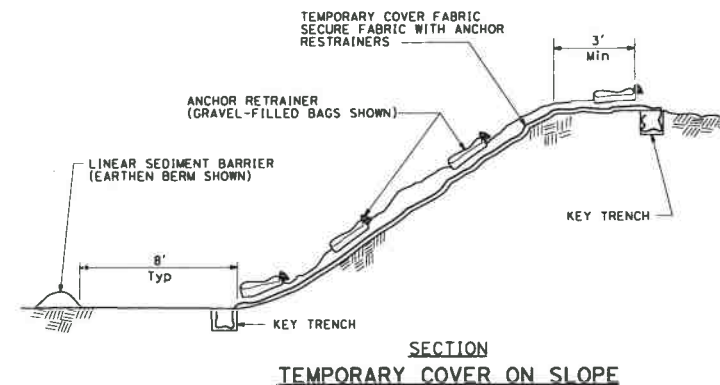
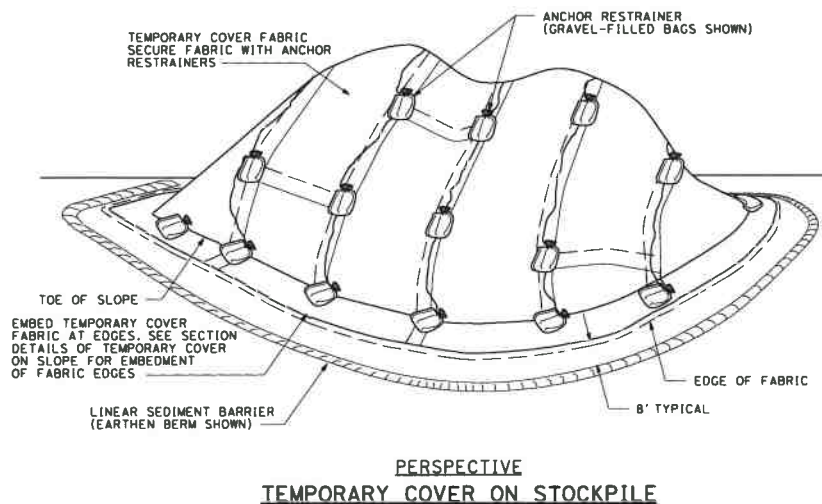
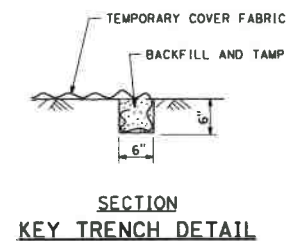
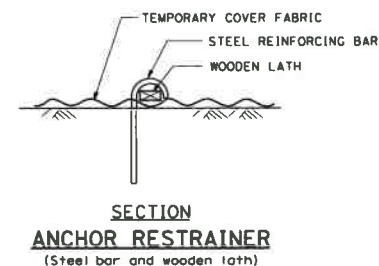
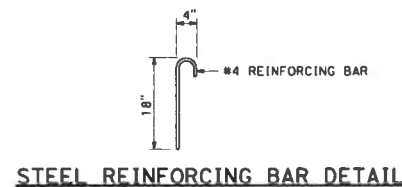
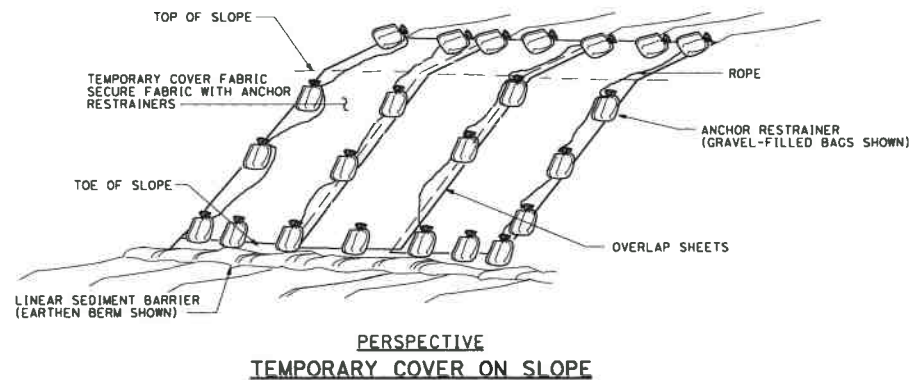
LEGEND

- TAMPED BACKFILL
- SLOPE DIRECTION
- DIRECTION OF FLOW



**PLAN
TEMPORARY SILT FENCE**

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TEMPORARY WATER POLLUTION
 CONTROL DETAILS
 (TEMPORARY SILT FENCE)**
 NO SCALE



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY WATER POLLUTION
CONTROL DETAILS
(TEMPORARY COVER)**

NO SCALE

T53

DIS	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2023

PLANS APPROVAL DATE

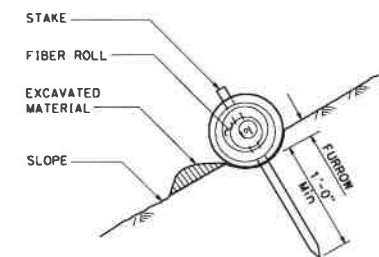
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SEAL OF THE PROFESSIONAL ENGINEER
T. Pendergast
C63744
8-30-24
CIVIL
STATE OF CALIFORNIA

DIST	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	No. SHEETS

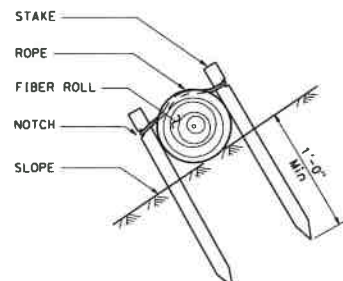
Sean T. Penders
 REGISTERED CIVIL ENGINEER
 May 1, 2023
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Sean
 T. Penders
 C63744
 Exp. 9-30-24
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 STATE OF CALIFORNIA



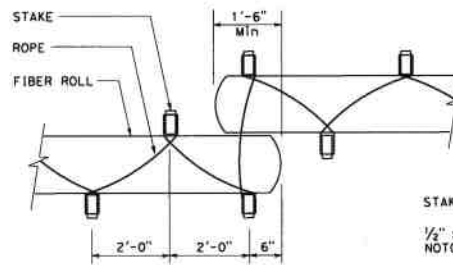
SECTION

TEMPORARY FIBER ROLL (TYPE 1)

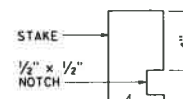


SECTION

TEMPORARY FIBER ROLL (TYPE 2)



PLAN

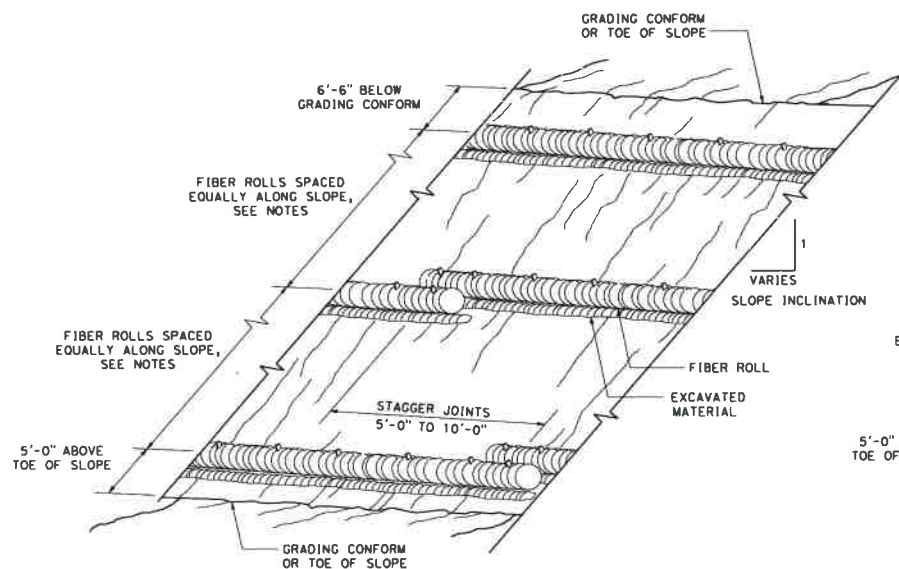


ELEVATION

STAKE NOTCH DETAIL

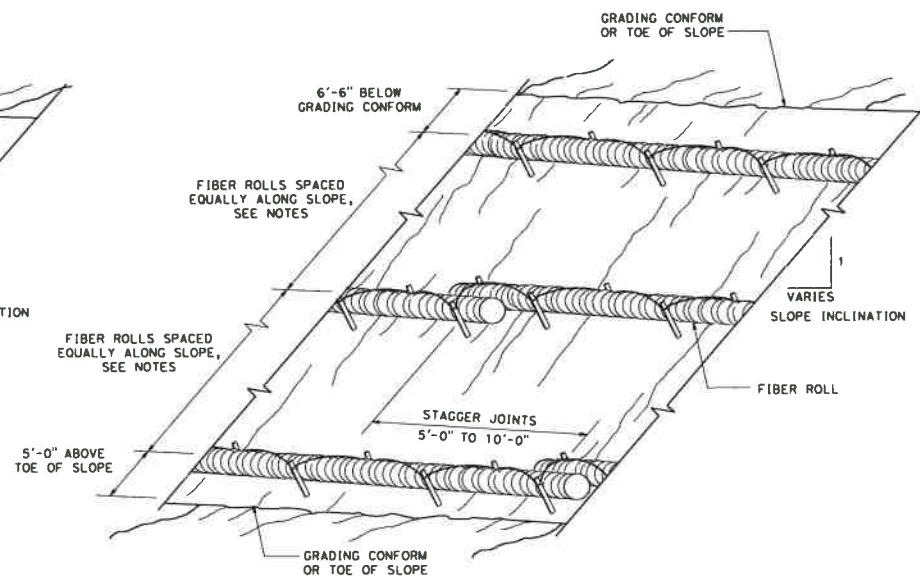
NOTES:

1. Temporary fiber roll spacing varies depending upon slope inclination.
2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



PERSPECTIVE

TEMPORARY FIBER ROLL (TYPE 1)



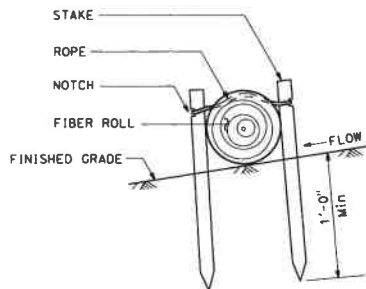
PERSPECTIVE

TEMPORARY FIBER ROLL (TYPE 2)

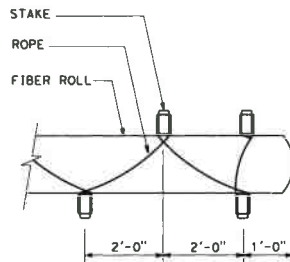
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TEMPORARY WATER POLLUTION
 CONTROL DETAILS
 (TEMPORARY FIBER ROLL)**

NO SCALE

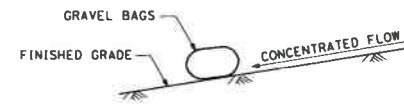
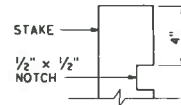
T56



SECTION
STAKING AND LASHING DETAIL



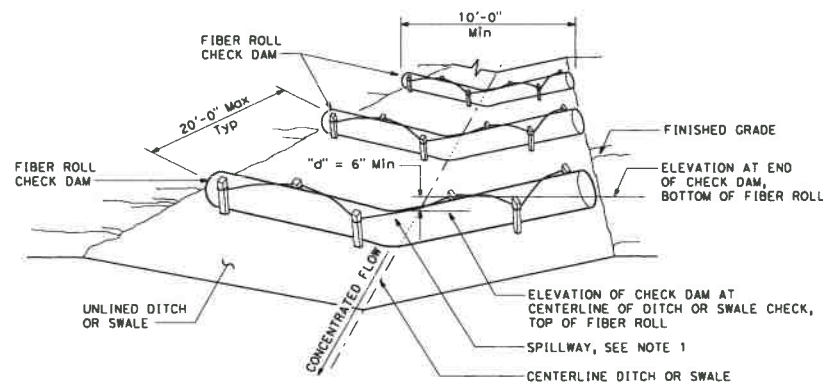
ELEVATION
STAKE NOTCH DETAIL



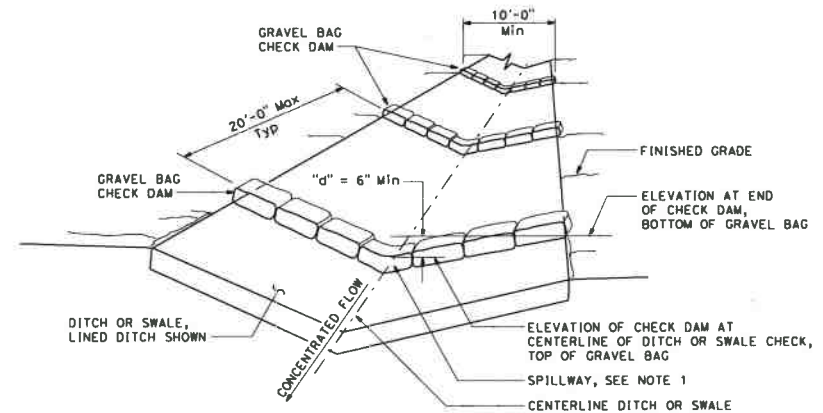
SECTION
TEMPORARY CHECK DAM (TYPE 2)

NOTE:

1. Spillway depth "d" shall be maintained to prevent flanking of concentrated flow around the ends of each check dam.



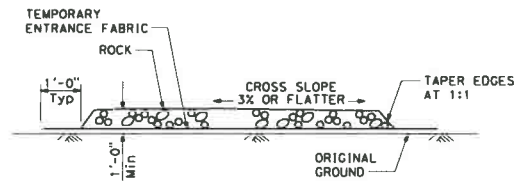
PERSPECTIVE
TEMPORARY CHECK DAM (TYPE 1)
Total of 3 check dams shown



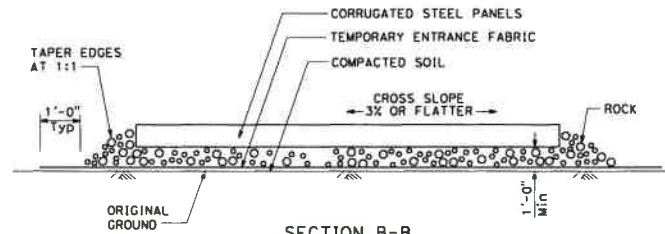
PERSPECTIVE
TEMPORARY CHECK DAM (TYPE 2)
Total of 3 check dams shown

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY WATER POLLUTION
CONTROL DETAILS
(TEMPORARY CHECK DAM)**
NO SCALE

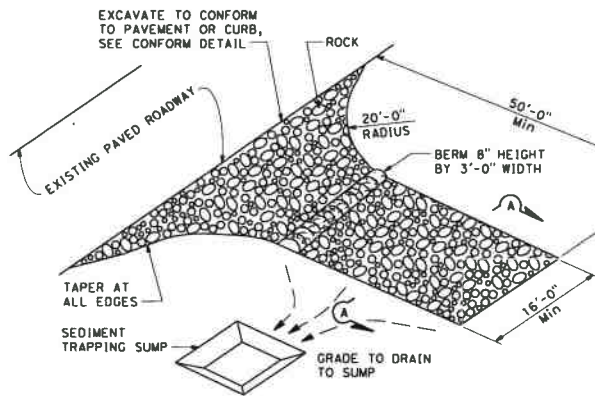
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SECTION A-A

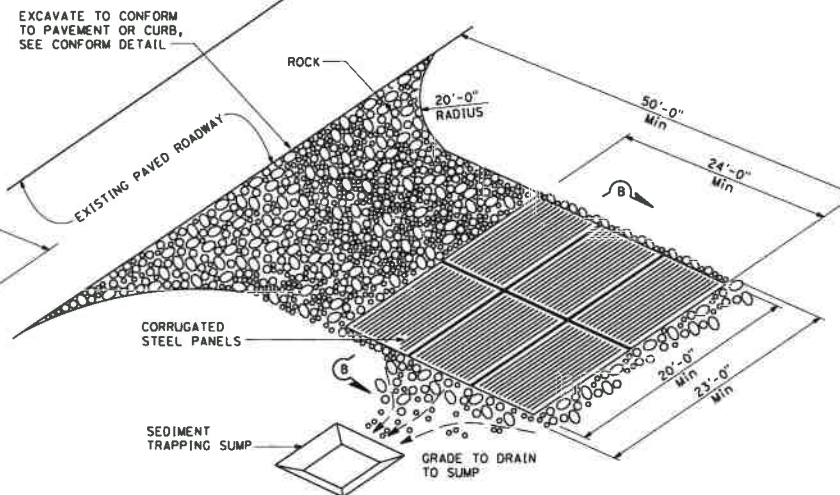


SECTION B-B



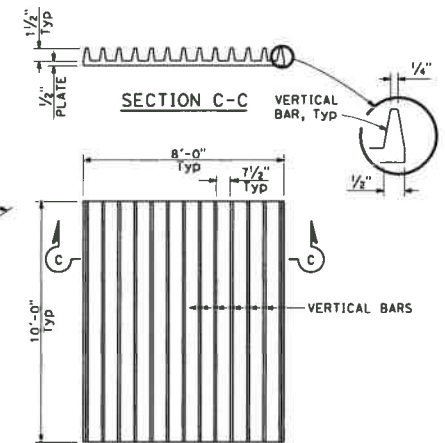
PERSPECTIVE

TEMPORARY CONSTRUCTION ENTRANCE (TYPE 1)



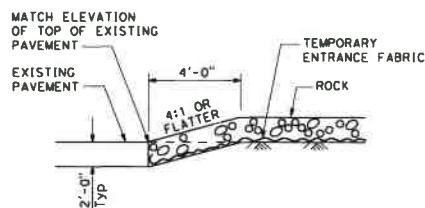
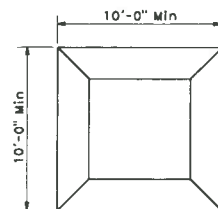
PERSPECTIVE

TEMPORARY CONSTRUCTION ENTRANCE (TYPE 2)



SECTION C-C

PLAN

TYPICAL CORRUGATED
STEEL PANEL DETAILSECTION
CONFORM DETAIL

PLAN

SEDIMENT TRAPPING SUMP



ELEVATION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY WATER POLLUTION
CONTROL DETAILS
(TEMPORARY CONSTRUCTION ENTRANCE)**

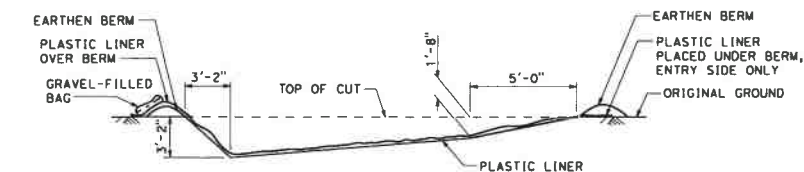
NO SCALE

T58

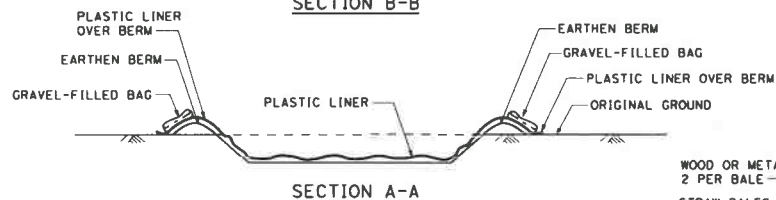
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

Sean T. Penders
 REGISTERED CIVIL ENGINEER
 May 1, 2023
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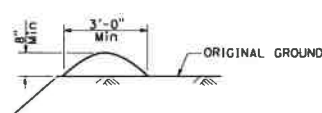
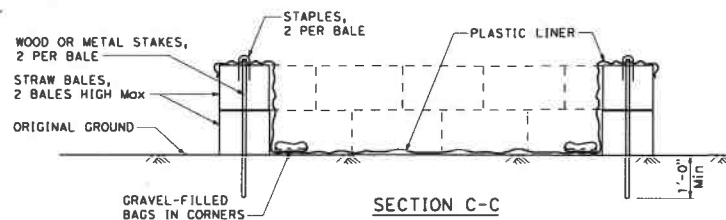
Sean T. Penders
 C63744
 Exp. 9-30-24
 CIVIL
 STATE OF CALIFORNIA



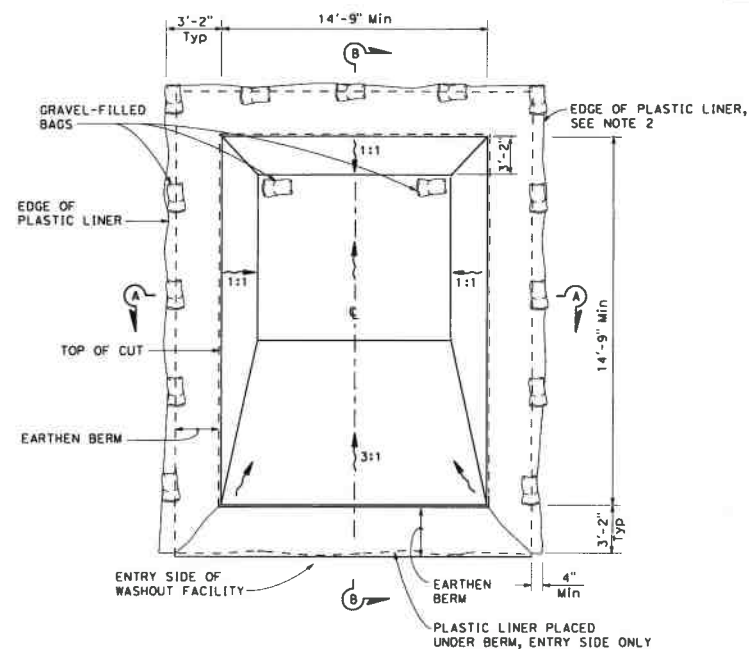
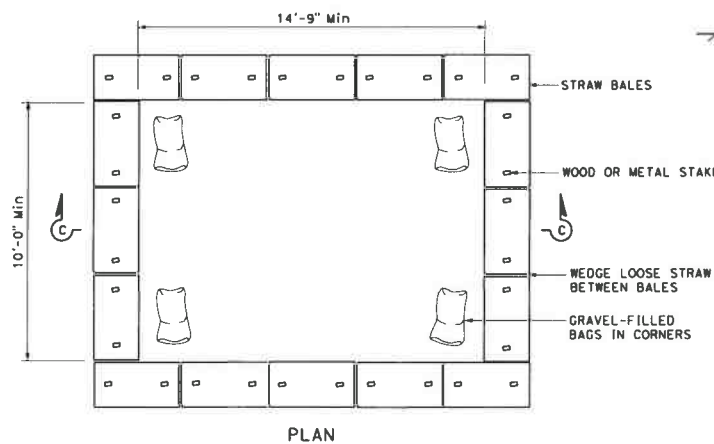
SECTION B-B



SECTION A-A

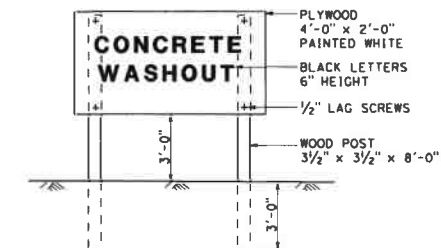
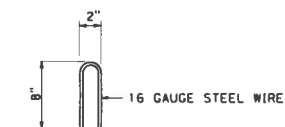
TYPICAL SECTION
EARTHEN BERM

SECTION C-C

PLAN
TEMPORARY CONCRETE WASHOUT FACILITY
Below GradePLAN
TEMPORARY CONCRETE WASHOUT FACILITY
On Grade

NOTES:

1. The concrete washout sign shall be installed within 32'-10" of the temporary concrete washout facility.
2. Plastic liner shall be anchored with gravel-filled bags for below grade concrete washout facility.

CONCRETE WASHOUT
SIGN DETAIL

STAPLE DETAIL

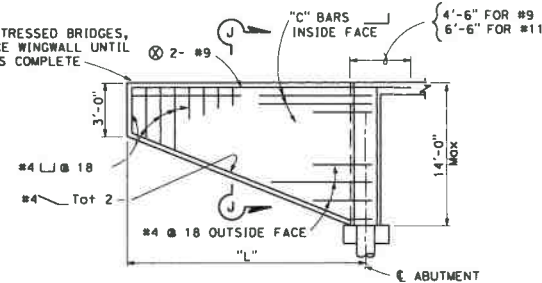
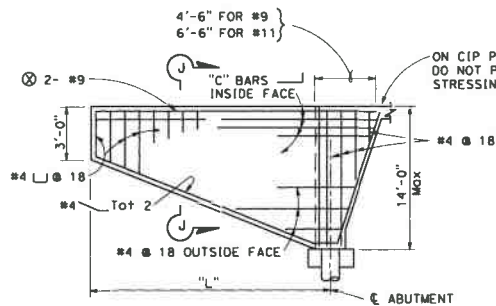
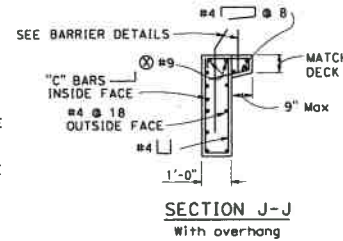
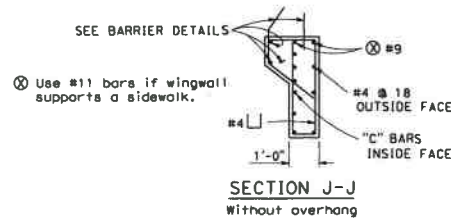
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY WATER POLLUTION
CONTROL DETAILS
(TEMPORARY CONCRETE WASHOUT FACILITY)**
NO SCALE

T59

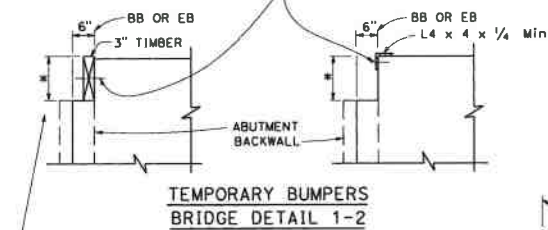
BRIDGE DESIGNATIONS AND ABBREVIATIONS

See Standard Plans A3A, A3B, and A3C for additional or standard abbreviations

J	Outer, outer left bridge
K	Outer left bridge
S	Outer right bridge
T	Outer, outer right bridge
RWLOL	Retaining Wall Layout Line
WWLOL	Wingwall Layout Line



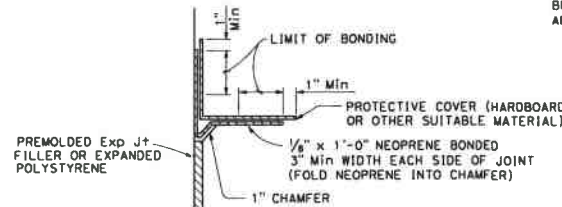
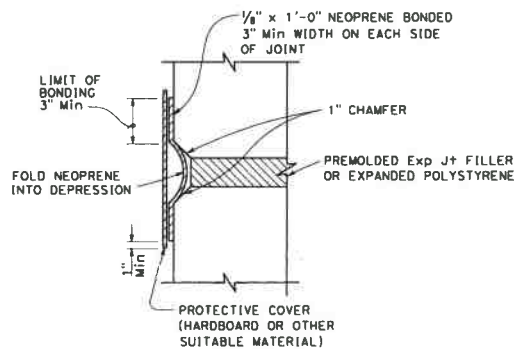
* Depth of paving notch or dimension to abutment backwall construction joint. Varies, see abutment details.



ALTERNATIVE 1

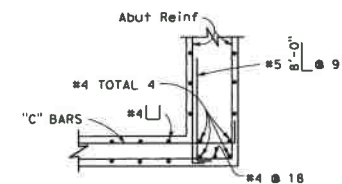
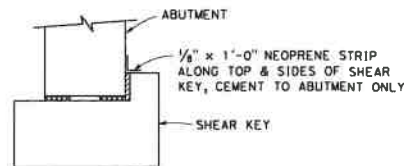
ALTERNATIVE 2

TOP OF BUMPER TO BE AT OR ABOVE THE TOP OF DECK CONCRETE. BUMPERS AND BOLTS TO BE REMOVED IMMEDIATELY PRIOR TO PLACING APPROACH PAVEMENT



BRIDGE DETAIL 1-4 STRIP WATERSTOP CORNER DETAIL

When used on CIP prestressed bridges, do not apply waterstop until stressing is complete.



CORNER DETAIL FOR SKEW 20° AND LESS

"L"	"C" BARS
12'-0"	#5 @ 9"
14'-0"	#6 @ 9"
16'-0"	#7 @ 9"
18'-0"	#8 @ 9"
20'-0"	#9 @ 9"

CORNER DETAIL FOR SKEW OVER 20°

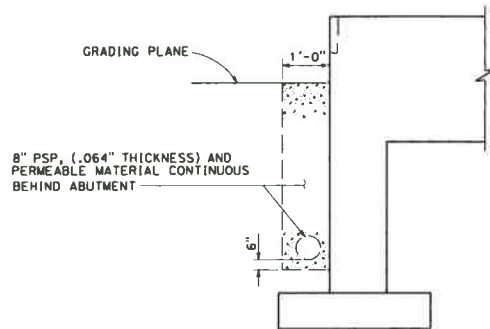
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
BRIDGE DETAILS
NO SCALE

B0-1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

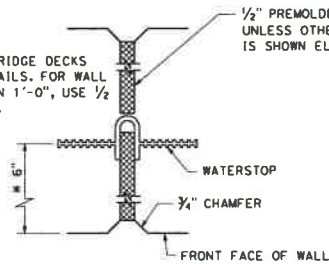
Peter W. Naeve
REGISTERED CIVIL ENGINEER
May 1, 2023
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS
OR AGENTS SHALL NOT BE RESPONSIBLE FOR
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Peter W. Naeve
REGISTERED PROFESSIONAL ENGINEER
C57519
Exp. 12-31-25
CIVIL
STATE OF CALIFORNIA

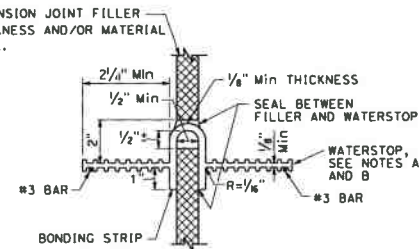


BRIDGE DETAIL 3-5
8" PSP AND PERMEABLE MATERIAL

* FOR PLACEMENT IN BRIDGE DECKS
SEE JOINT SEAL DETAILS. FOR WALL
THICKNESS LESS THAN 1'-0", USE 1/2
THE WALL THICKNESS.



BRIDGE DETAIL 3-4
WALL EXPANSION JOINT



BRIDGE DETAIL 3-6
WATERSTOP

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Sam Wong
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

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Sam Wong
REGISTERED PROFESSIONAL ENGINEER
C92998
Exp. 8-30-24
STATE OF CALIFORNIA

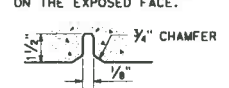
NOTES:

A. Holes will be permitted in the outer 1/2" of the web for wire, rings, etc. Tie web to #3 reinforcing bars @ 12 maximum intervals to support the waterstop in proper position during concrete placement. Alternative detail may be submitted for approval of the Engineer.

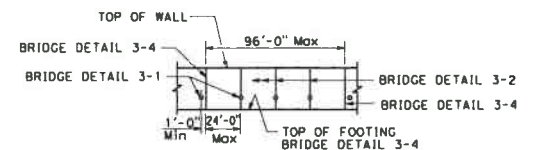
B. Waterstop to have 5 or more pairs of raised ribs to provide 0.1 square inch minimum rib cross-section area on each half of the waterstop.

CUT OR BUTT EVERY
OTHER FRONT FACE
HORIZONTAL BAR
AT BRIDGE DETAIL 3-2

JOINT MAY BE FORMED WITH
1/8" HARDBOARD AND CUT BACK
TO THE ROOT OF THE CHAMFER
ON THE EXPOSED FACE.



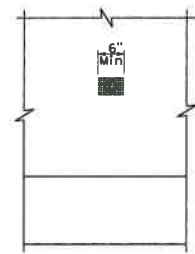
SECTION
BRIDGE DETAIL 3-2
WEAKENED PLANES



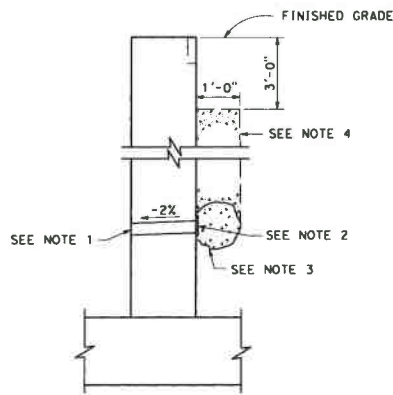
BRIDGE DETAIL 3-3
WALL EXPANSION JOINTS
AND WEAKENED PLANES

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
BRIDGE DETAILS
NO SCALE

B0-3



ELEVATION



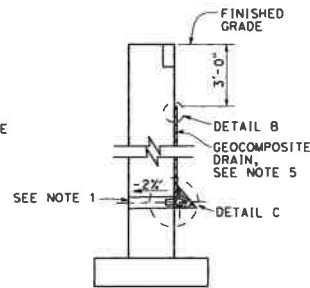
SECTION

BRIDGE DETAIL 3-1

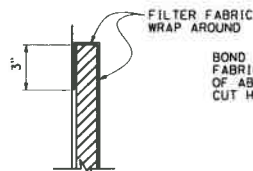
WEEP HOLE, PERVIOUS BACKFILL AND GEOTEXTILE DRAIN

NOTES:

1. 4" Ø Drains at intermediate sag points and 25'-0" maximum center to center. For walls adjacent to sidewalks or curbs, provide 4" plastic pipe under the sidewalk to discharge thru curb face. Exposed wall drains shall be located 3" above finished grade.
2. 6" square aluminum or galvanized steel wire 1/4" mesh hardware cloth, minimum wire diameter 0.025". Anchor firmly to backface.
3. One cubic foot pervious backfill material in a nonwoven filter fabric, securely tied.

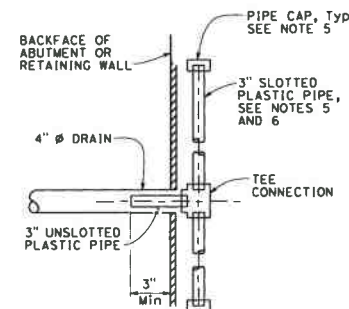


WALL SECTION

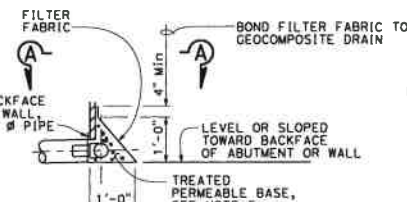


DETAIL B

BRIDGE DETAIL 3-7

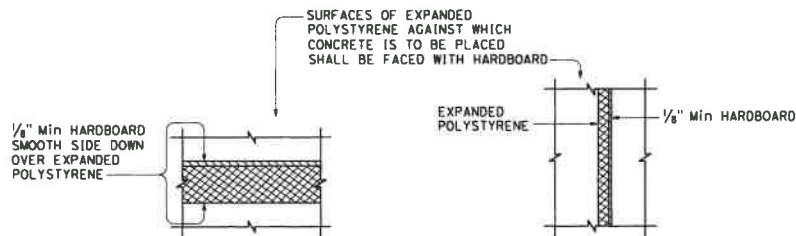


SECTION A-A

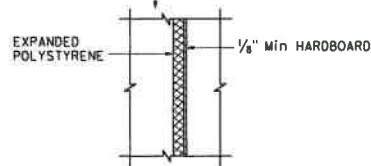


DETAIL C

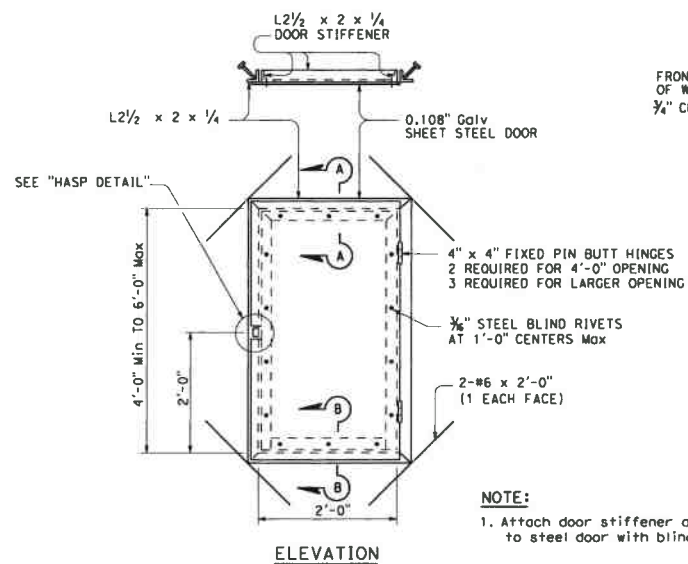
4. Pervious backfill material continuous behind retaining wall or abutment.
5. Geotextile drain, treated permeable base and 3" Ø slotted plastic pipe continuous behind retaining wall or abutment. Cap ends of pipe. Provide "Tee" connection at each 4" Ø drain.
6. Connect the low end of plastic pipe to the main outlet pipe as applicable.



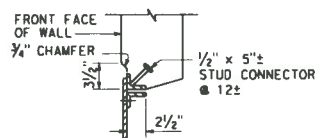
BRIDGE DETAIL 13-1
PROTECTION OF
HORIZONTAL POLYSTYRENE



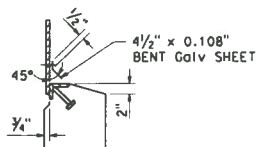
BRIDGE DETAIL 13-2
PROTECTION OF
VERTICAL POLYSTYRENE



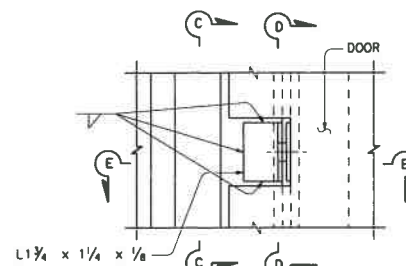
BRIDGE DETAIL 13-3
ACCESS DOOR



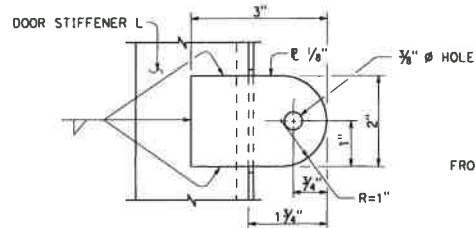
SECTION A-A



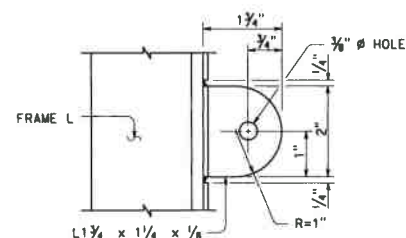
SECTION B-B



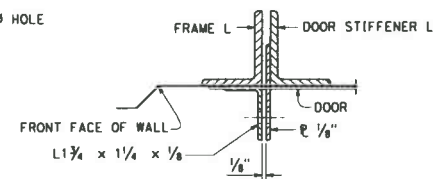
ELEVATION



SECTION D-D



SECTION C-C



SECTION E-E

HASP DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
BRIDGE DETAILS
NO SCALE

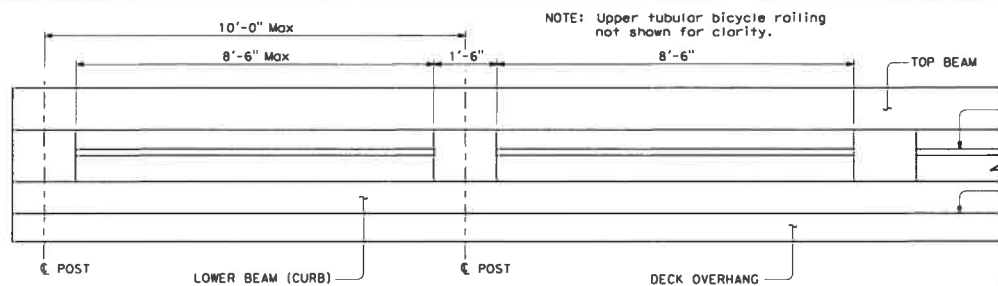
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Robert W. Thelce
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

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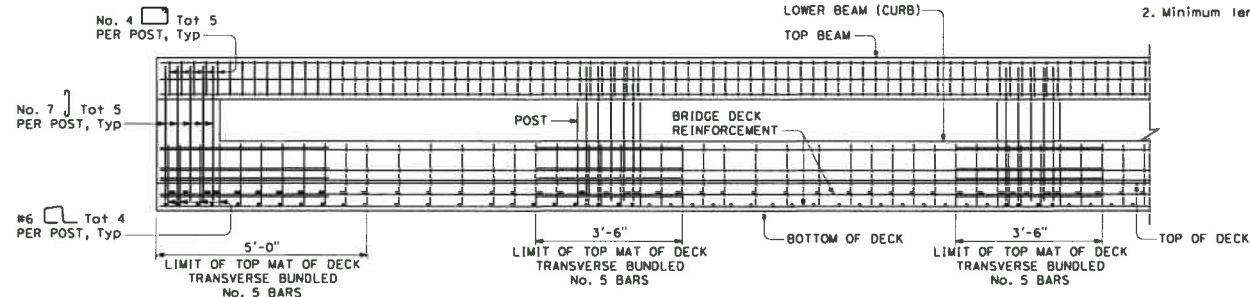
REGISTERED PROFESSIONAL ENGINEER
Robert W. Thelce
C67519
Exp. 12-31-23
CIVIL
STATE OF CALIFORNIA



ELEVATION

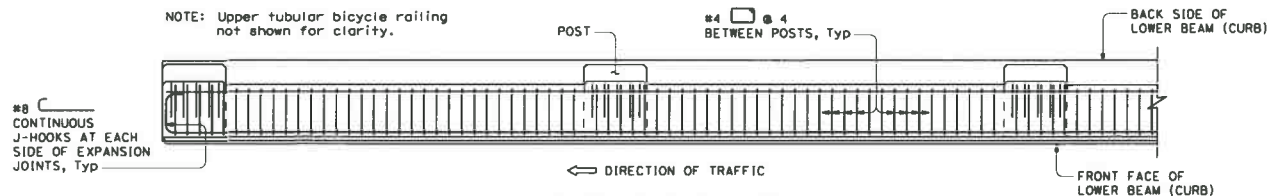
NOTES:

1. Tubular bicycle railing optional for Type 85B.
2. Minimum length of Type 85B is 40'-0".

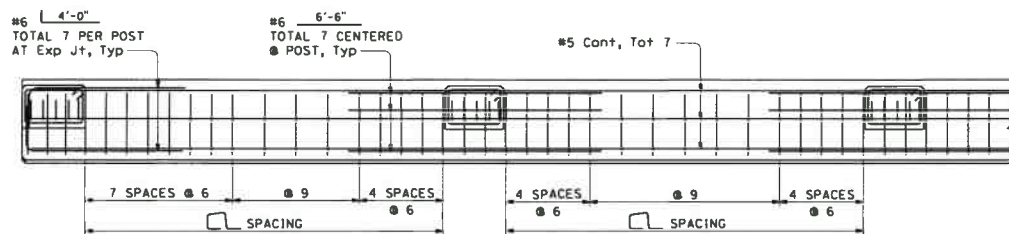


ELEVATION

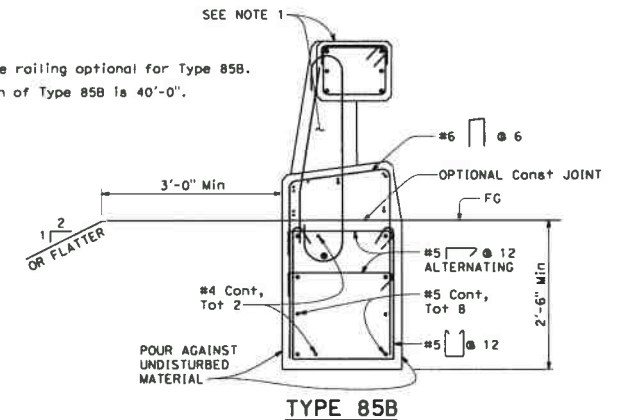
NOTE: Tubular bicycle railing not shown for clarity.



PLAN AT TOP BEAM

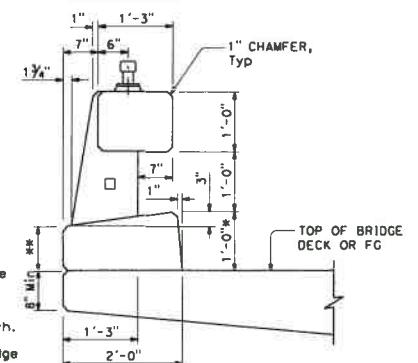


PLAN AT LOWER BEAM (CURB)



- * Dimension must be 1'-0" above top of Bridge Deck or FG (including overlay). Increase lower beam (curb) height by 2" Max to match overlay depth.

- ** Dimension determined by bridge cross-slope and whether or not there is an overlay.



TYPICAL SECTION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CONCRETE BARRIER TYPE 85
DETAILS No. 2
NO SCALE

B11-84

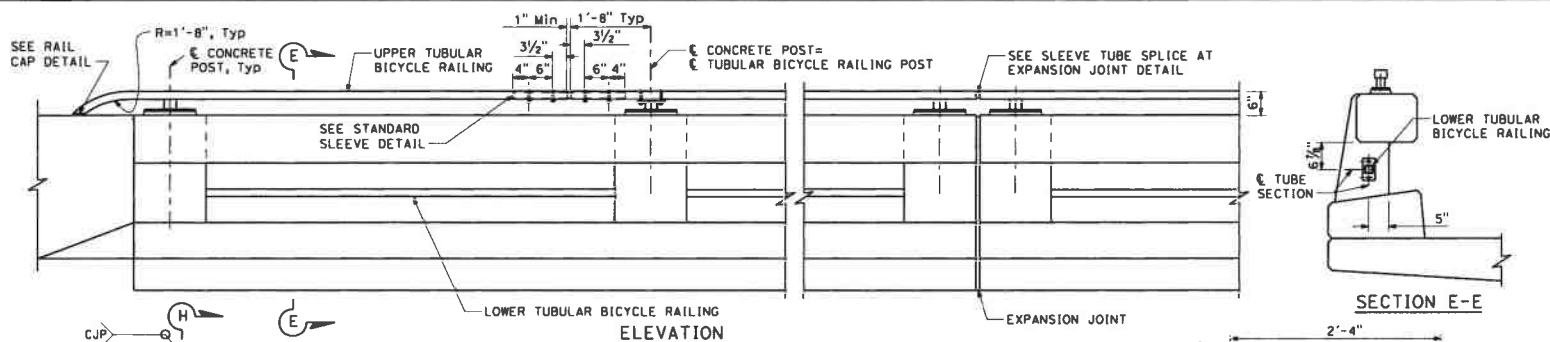
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

Gregory J. Soderberg
REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

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Gregory J. Soderberg
C40814
Exp. 3-31-25
CIVIL
STATE OF CALIFORNIA



DIST	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS

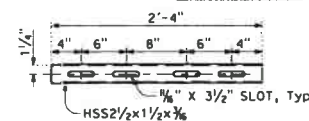
May 1, 2023
 PLANS APPROVAL DATE
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REGISTERED CIVIL ENGINEER
 Gregory J. Koberstein
 No. C40814
 Exp. 3-31-25
 CIVIL
 STATE OF CALIFORNIA

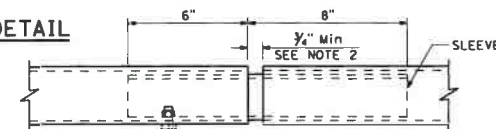
NOTES:

1. Tubular bicycle railing posts shall be normal to railing.
2. Tube splices shall be located in the tubes spanning deck or wall joints. Increase joint width in tubes to match expansion joint width and increase sleeve length accordingly.
3. Upper tubular bicycle railing shall be continuous over not less than two posts.

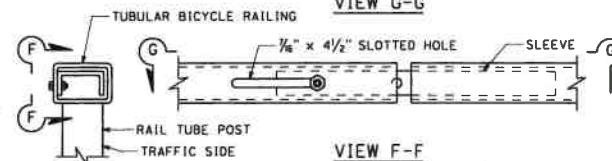
SECTION E-E



STANDARD SLEEVE DETAIL

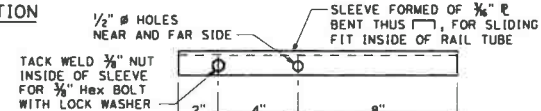
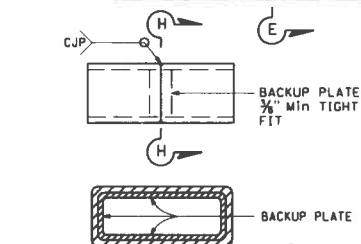


VIEW G-G



VIEW F-F

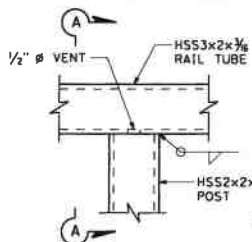
ELEVATION

SLEEVE TUBE SPLICE
AT EXPANSION JOINT DETAIL

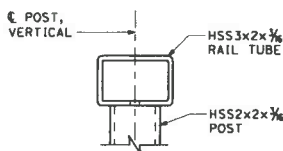
SECTION H-H

ALTERNATIVE TUBE
WELDED STANDARD SPLICE

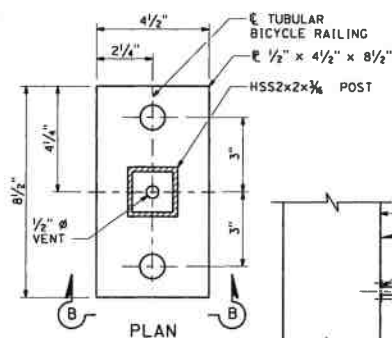
NOTE: FOR SPLICES NOT AT EXPANSION JOINTS



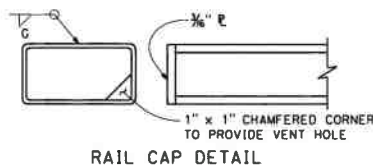
ELEVATION



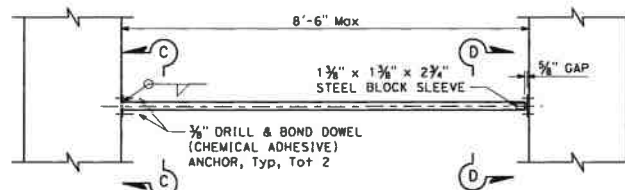
SECTION A-A



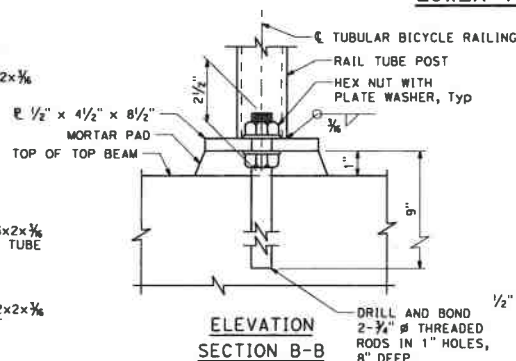
PLAN



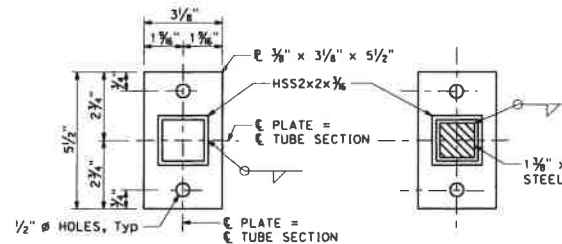
RAIL CAP DETAIL



LOWER TUBULAR BICYCLE RAILING DETAIL

ELEVATION
SECTION B-B

TUBULAR BICYCLE RAILING DETAILS



SECTION C-C

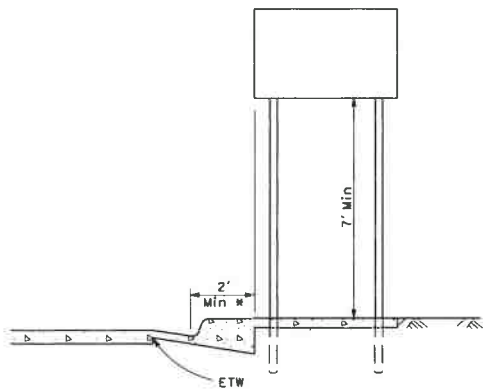
SECTION D-D

See Section C-C for details not shown.

CONCRETE BARRIER TYPE 85
DETAILS No. 3

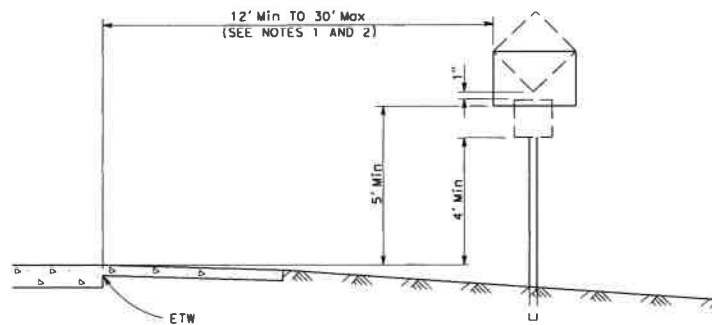
NO SCALE

B11-85



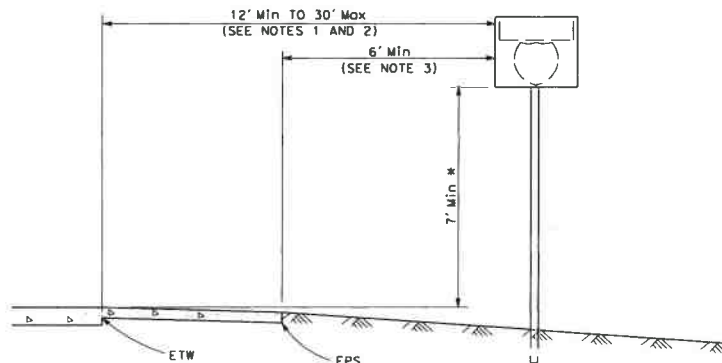
* 1' Min WHERE LATERAL CLEARANCE LIMITED

URBAN LOCATIONS



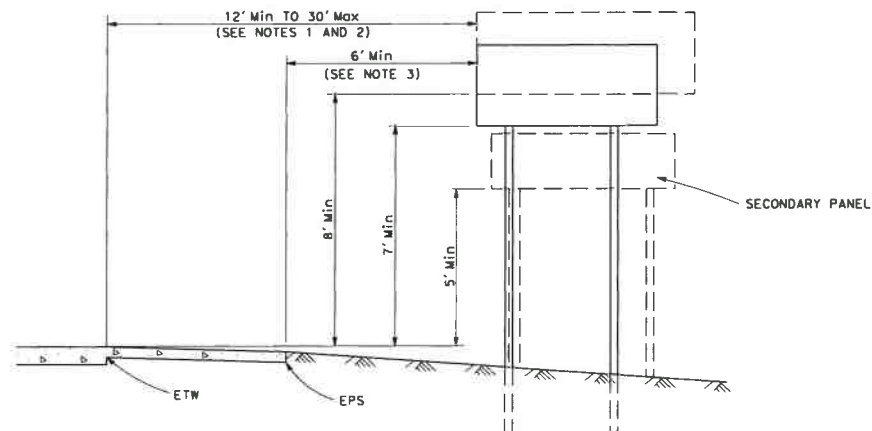
RURAL LOCATIONS

CONVENTIONAL HIGHWAYS AND INTERCHANGE AREAS



* 5' Min AT 30' FROM ETW

REGULATORY AND WARNING SIGNS AND ROUTE SHIELDS



GUIDE SIGNS

FREEWAY AND EXPRESSWAY LOCATIONS

DATE	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2023
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA AND ITS OFFICERS
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Shonglla Horn
C51846
Exp. 8-30-24
CIVIL
STATE OF CALIFORNIA

NOTES:

1. When clear roadside recovery areas are provided, signs shall be placed as far from the edge of traveled way as possible, up to a maximum of 30'. When possible, they shall be placed in protected locations.
2. Signs in medians shall be placed at midpoint of median up to a maximum distance of 30' from edge of traveled way. When appropriate, signs for opposing directions shall be placed back to back.
3. Does not apply at locations where minimum horizontal distance is not reasonable due to terrain characteristics, steep slopes, roadway features, or when signs are installed on structures or signal or lighting standards.

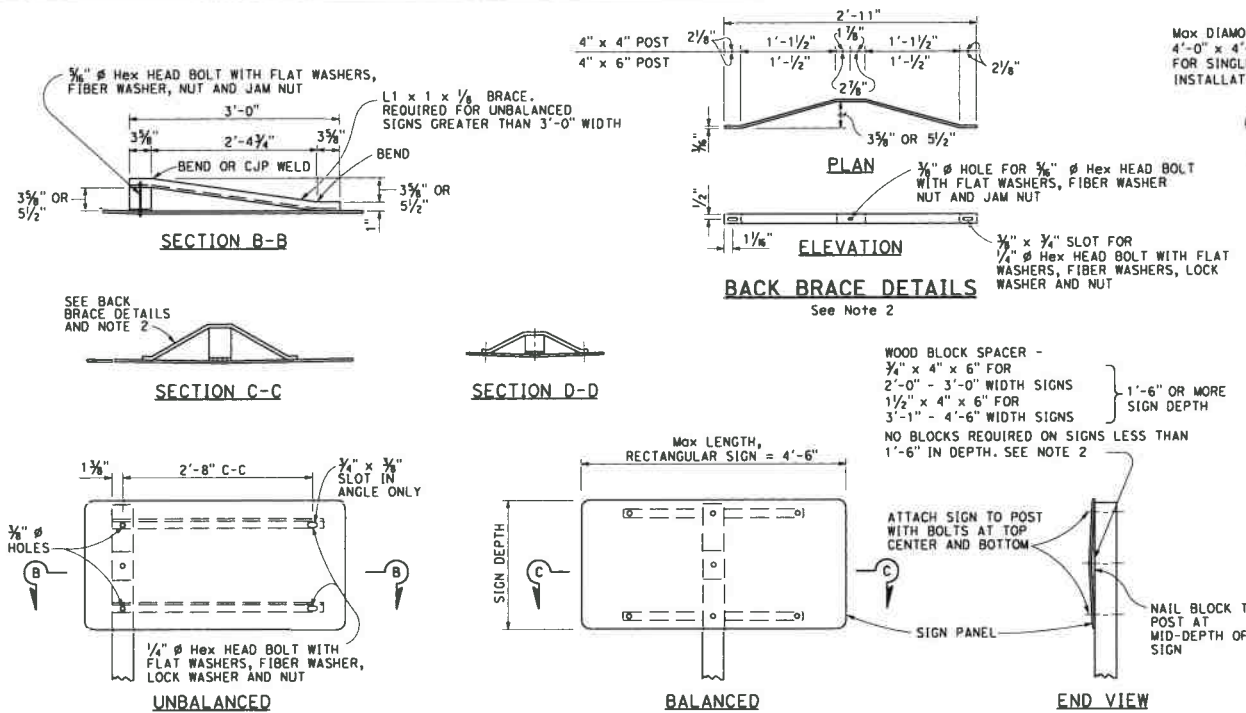
ABBREVIATION:

EPS = Edge of Paved Shoulder

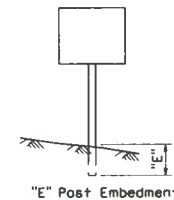
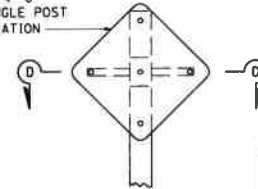
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION ROADSIDE SIGNS TYPICAL INSTALLATION DETAILS No. 1

NO SCALE

RS1



Max DIAMOND SIGN =
4'-0" x 4'-0"
FOR SINGLE POST
INSTALLATION



POST SIZE	POST EMBEDMENT
4" x 4"	3.5'
4" x 6"	4.5'
6" x 6"	5.0'
6" x 8"	6.0'

NOTES:

- Place long dimension of post cross section normal to sign axis. See Section C-C.
- Balanced single post installations of unframed single sheet aluminum panel signs shall have block spacers if 1'-6" or more in depth and a combination of block spacers and back braces if 1'-6" or more in depth and 2'-10" or more in width. Sign panels less than 1'-6" in depth and 2'-10" or more in width shall have back braces only.
- For post size see sign layout, format or quantity sheets.
- Balanced single post installations of laminated panel and framed single sheet panel signs require back braces when 2'-10" or more in length.
- Breakaway feature for single post installation shall be the same as the breakaway feature shown for the two post installation.
- Tolerance for diameter of drilled holes in breakaway feature is $\pm 1/8$ ".
- Bolt hole layout is dependent on type of panel. Drill holes in post to match panel.
- 3/8" for single sheet aluminum panel signs.
- 3/8" for laminated panel signs or framed single sheet aluminum panel signs.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
ROADSIDE SIGNS
WOOD POST
TYPICAL INSTALLATION
DETAILS No. 2
NO SCALE

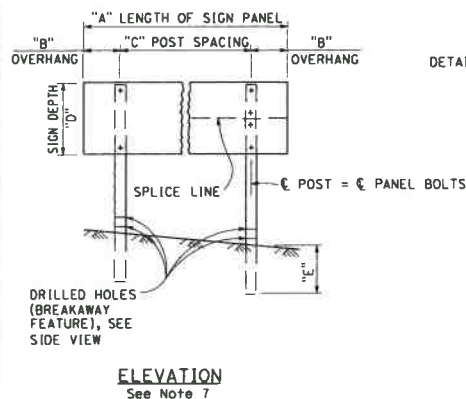
RS2

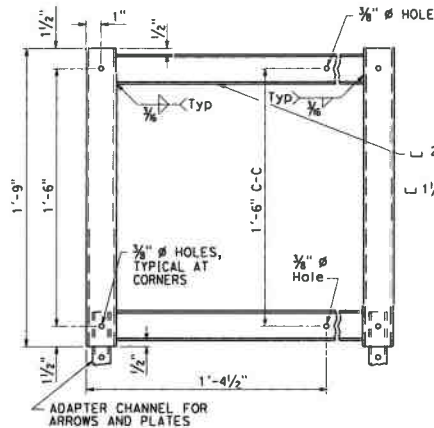
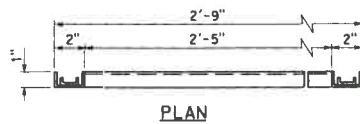
TOTAL COUNTY	ROUTE	POST MILES	SHEET TOTAL

Blair R. Johnson
REGISTERED CIVIL ENGINEER
May 1, 2023
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA ON ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

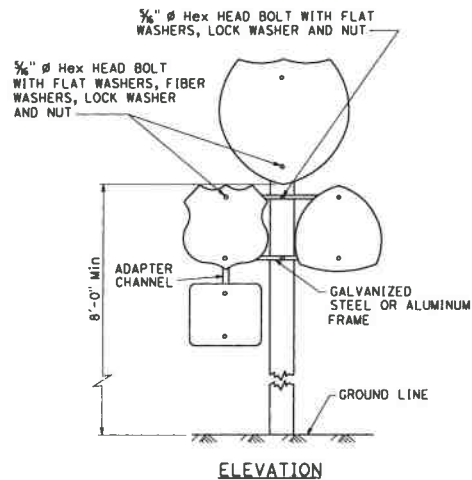
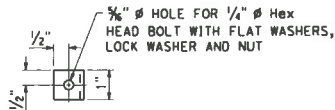
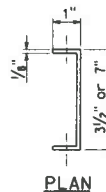
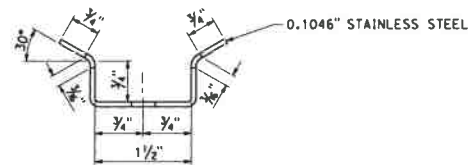
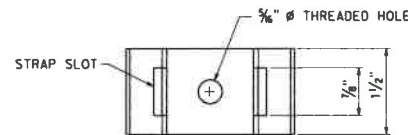
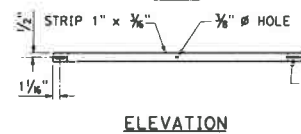
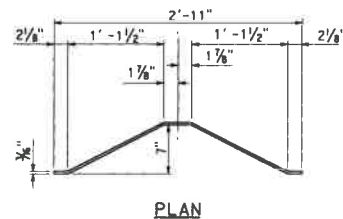
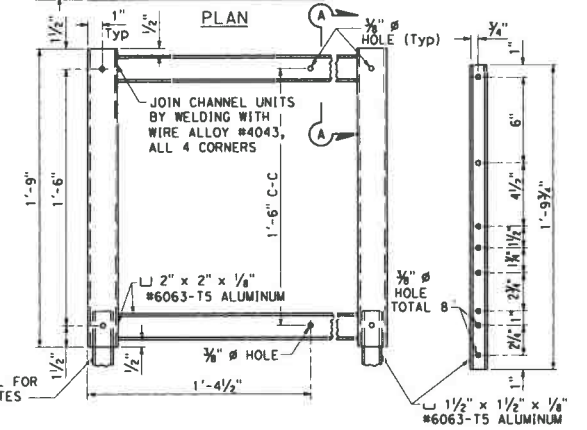
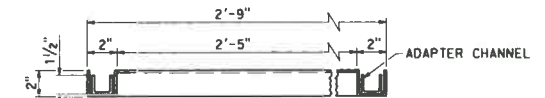
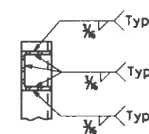
PROFESSIONAL ENGINEER
Blair R. Johnson
CST 7193
Exp. 3-31-24
CIVIL
STATE OF CALIFORNIA

POST SPACING TABLE		
SIGN PANEL LENGTH	SIGN PANEL OVERHANG	POST SPACING
"A"	"B"	"C"
4'-6"	6"	3'-6"
4'-8" TO 5'-6"	7" TO 1'-0"	3'-6"
6'-0" & 6'-6"	1'-0" & 1'-3"	4'-0"
7'-0" & 7'-6"	1'-3" & 1'-6"	4'-6"
8'-0"	1'-6"	5'-0"
8'-6"	1'-8"	5'-2"
9'-0"	1'-10"	5'-4"
9'-6"	1'-11"	5'-8"
10'-0"	2'-0"	6'-0"
10'-6"	2'-0"	6'-6"
11'-0", 11'-6", 12'-0"	2'-0", 2'-3", 2'-6"	7'-0"
12'-6"	2'-6"	7'-6"
13'-0"	2'-6"	8'-0"
13'-6", 14'-6"	2'-6", 3'-0"	8'-6"
14'-0", 15'-0"	2'-6", 3'-0"	9'-0"
15'-6", 16'-0"	3'-0", 3'-3"	9'-6"
16'-6"	3'-3"	10'-0"
17'-0", 17'-6"	3'-3", 3'-6"	10'-6"
18'-0", 18'-6"	3'-6", 3'-9"	11'-0"
19'-0"	3'-9"	11'-6"
19'-6", 20'-0"	3'-9", 4'-0"	12'-0"
20'-6", 21'-0"	4'-0", 4'-3"	12'-6"
21'-6"	4'-3"	13'-0"
22'-0", 22'-6"	4'-3", 4'-6"	13'-6"
23'-0"	4'-6"	14'-0"
23'-6", 24'-0"	4'-6", 4'-9"	14'-6"

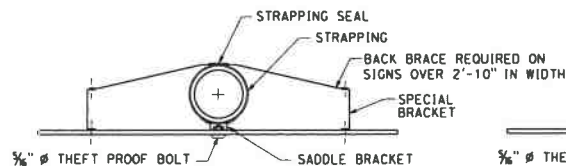
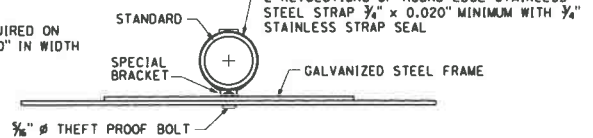




ELEVATION

GALVANIZED STEEL FRAME**MULTIPLE SIGN INSTALLATION****SPECIAL BRACKET****SADDLE BRACKET****BACK BRACE DETAILS**

ELEVATION

ALUMINUM FRAME**INSTALLATION ON ELECTROLITE, SIGNAL STANDARD****OR SIGN STRUCTURE POST**

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
ROADSIDE SIGNS
TYPICAL INSTALLATION
DETAILS No. 4

NO SCALE

RS4

DIST.	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS

May 1, 2023
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
Charles P. Johnson
No. 32124
CIVIL
STATE OF CALIFORNIA

CHANNEL SIZES

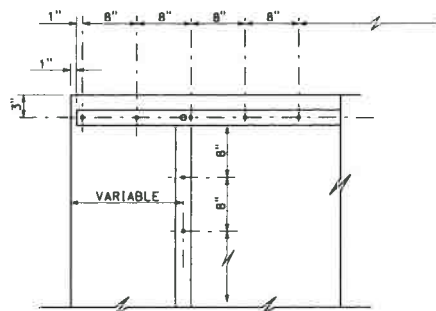
SIGN LENGTH	SIGN DEPTH	PANEL THICKNESS	No. OF HORIZONTAL MEMBERS	No. OF VERTICAL MEMBERS	Horiz MEMBER TYPE	Vert MEMBER TYPE
UP TO 3'-11"		0.063"	NO FRAME REQUIRED			
4'-0" TO 4'-7"		0.080"	NO FRAME REQUIRED			
4'-8" TO 5'-10"	1'-0" TO 2'-0"	0.063"	2		A	
	2'-1" TO 3'-0"	0.063"	2	2	A	A
	3'-1" TO 4'-0"	0.063"	2	3	A	A
	4'-1" TO 8'-0"	0.063"	3	3	B	A
6'-0" TO 6'-6"	1'-0" TO 2'-0"	0.063"	2		A	
	2'-1" TO 3'-0"	0.063"	2	2	A	A
	3'-1" TO 4'-0"	0.063"	2	3	A	A
	4'-1" TO 6'-0"	0.063"	3	3	B	B
	6'-1" TO 8'-0"	0.063"	3	3	C	C
6'-8" TO 7'-6"	1'-6" TO 4'-0"	0.080"	2	3	B	B
	4'-1" TO 6'-0"	0.080"	3	3	B	B
	6'-1" TO 8'-0"	0.080"	3	3	C	C
	8'-1" TO 11'-0"	0.080"	4	3	C	C
7'-8" TO 8'-6"	1'-6" TO 4'-0"	0.080"	2	3	B	B
	4'-1" TO 8'-0"	0.080"	3	3	C	C
8'-8" TO 9'-6"	1'-6" TO 4'-0"	0.080"	2	3	B	B
	4'-1" TO 8'-0"	0.080"	3	3	C	C
9'-8" TO 11'-0"	1'-6" TO 4'-0"	0.080"	2	3	C	C
	4'-1" TO 8'-0"	0.080"	3	3	C	C
	8'-1" TO 11'-0"	0.080"	4	3	C	C

NOTES:

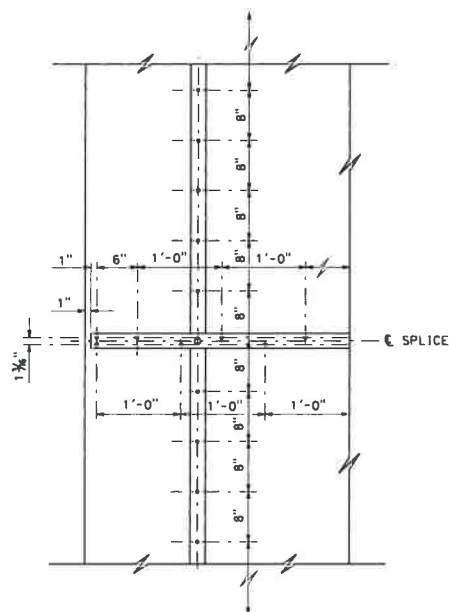
1. Type A - $1\frac{1}{4}" \times 1\frac{1}{4}" \times \frac{1}{8}"$ Channel to be aluminum alloy 6063-T5.
2. Type B - $2\frac{3}{8}" \times 1\frac{1}{4}" \times \frac{3}{16}"$ Channel to be aluminum alloy 6063-T6.
3. Type C - $2" \times 2" \times \frac{1}{4}"$ Channel to be aluminum alloy 6063-T6.
4. $1\frac{1}{2}" \times 1\frac{1}{2}" \times \frac{1}{8}"$ Rectangular tubing aluminum alloy 6063-T6 may be substituted for Types B and C, but more than one type of framing material used on one sign is unacceptable.
5. For rectangular tubing, weld all around and grind beads flush where weld contacts sign panel.

POST SPACING

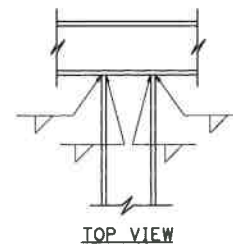
SIGN LENGTH	CENTERLINE SPACING
4'-8" TO 5'-8"	3'-6"
5'-10" TO 6'-8"	4'-0"
6'-10" TO 7'-8"	4'-6"
7'-10" TO 8'-2"	5'-0"
8'-4" TO 8'-8"	5'-2"
8'-10" TO 9'-2"	5'-4"
9'-4" TO 9'-8"	5'-8"
9'-10" TO 10'-2"	6'-0"
10'-4" TO 10'-10"	6'-6"
10'-11" TO 11'-0"	7'-0"



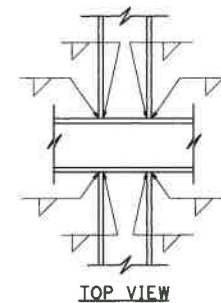
TYPICAL RIVET
DETAIL A



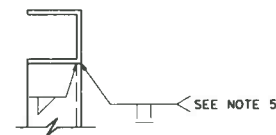
RIVET AT SPLICE
DETAIL B



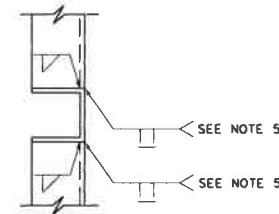
TOP VIEW



TOP VIEW



SIDE VIEW
WELD DETAIL No. 1



SIDE VIEW
WELD DETAIL No. 2

TYPICAL WELD DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**FRAMING DETAILS
FOR FRAMED SINGLE SHEET
ALUMINUM SIGNS,
RECTANGULAR SHAPE**

NO SCALE

S93

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

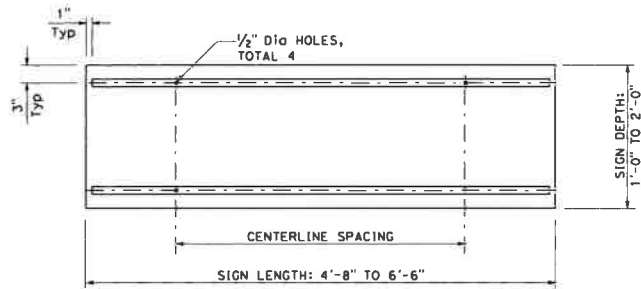
REGISTERED CIVIL ENGINEER

May 1, 2023

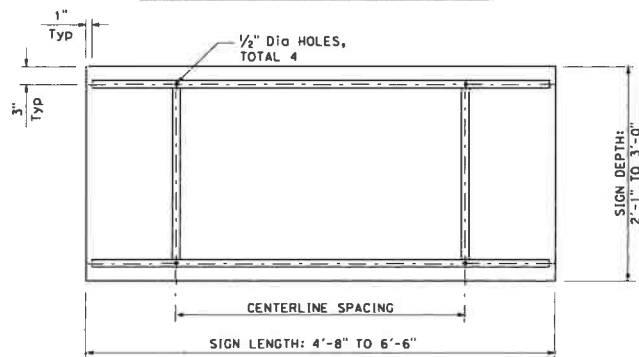
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
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COPIES OF THIS PLAN SHEET.

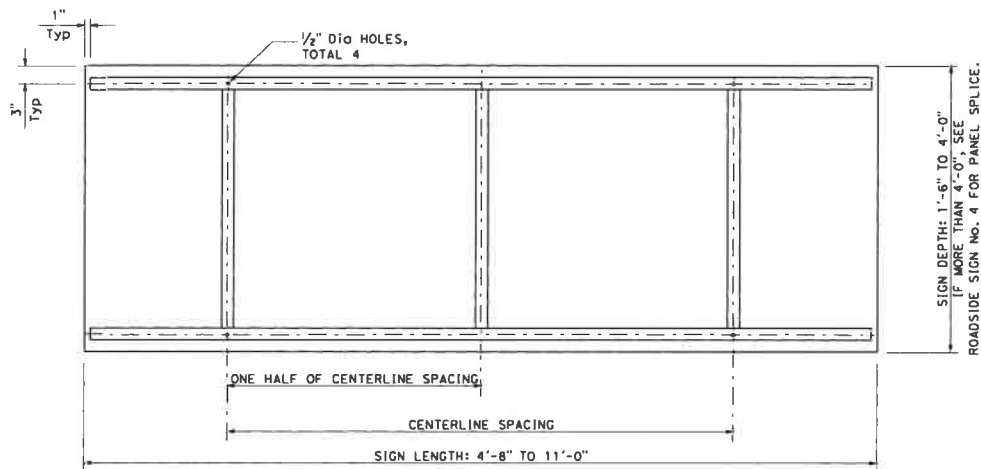
Shangila Horn
C51846
Exp. 6-30-24
CIVIL
STATE OF CALIFORNIA



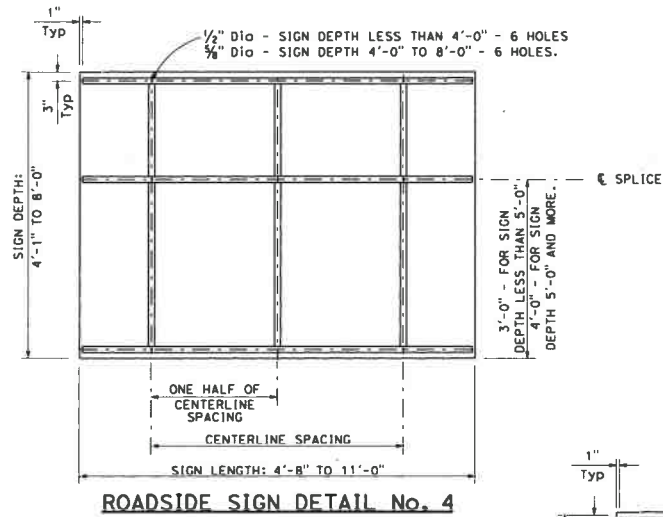
ROADSIDE SIGN DETAIL No. 1



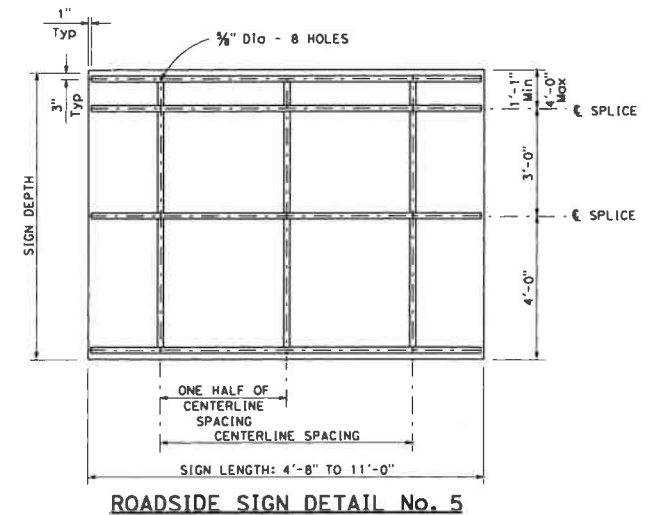
ROADSIDE SIGN DETAIL No. 2



ROADSIDE SIGN DETAIL No. 3



ROADSIDE SIGN DETAIL No. 4



ROADSIDE SIGN DETAIL No. 5

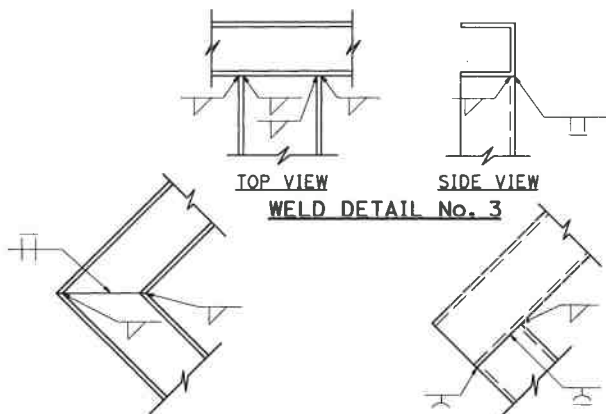
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**ROADSIDE FRAMED SINGLE SHEET
ALUMINUM SIGNS,
RECTANGULAR SHAPE**
NO SCALE

S94

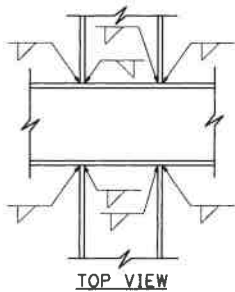
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS
 REGISTERED CIVIL ENGINEER May 1, 2023 PLANS APPROVAL DATE THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.				
SHANSILA HORN CS1846 Exp. 6-30-24 CIVIL STATE OF CALIFORNIA				REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA

NOTES:

1. See Standard Plan S93 for framing details.
2. All members welded at joints as shown on Standard Plan S93.

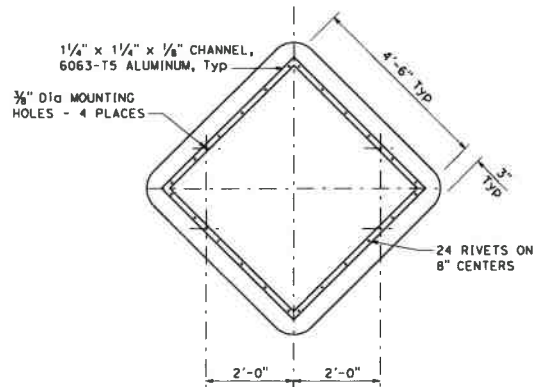
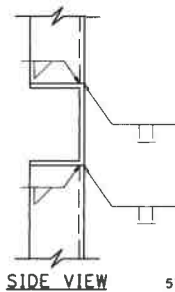


TOP VIEW
WELD DETAIL No. 4

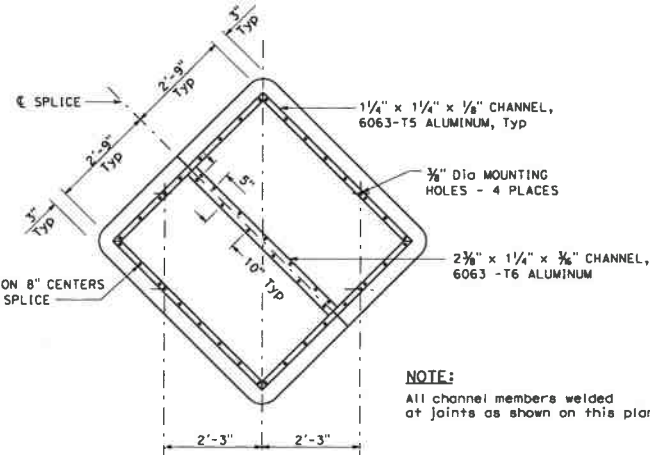


WELD DETAIL No. 5
TYPICAL WELD DETAILS

TOP VIEW
ALTERNATE WELD DETAIL No. 4A
Weld all around outside

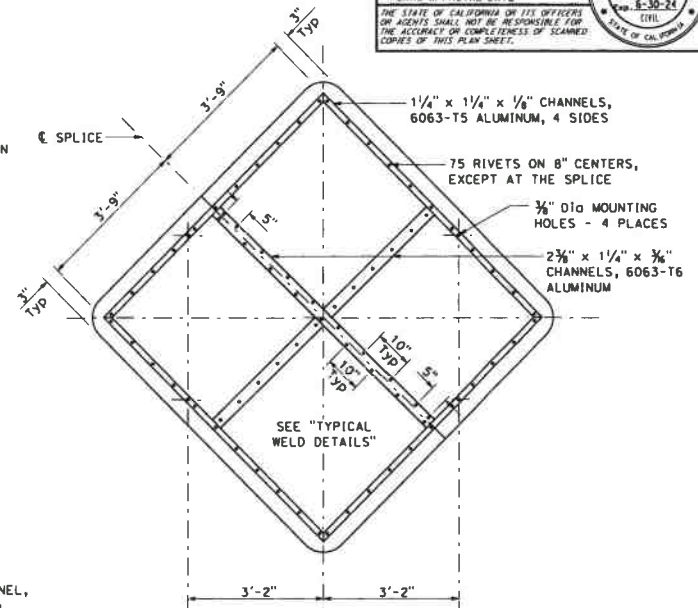


ROADSIDE SIGN DETAIL No. 6
Framing detail for 5'-0" x 5'-0" diamond



NOTE:
All channel members welded
at joints as shown on this plan.

ROADSIDE SIGN DETAIL No. 7
Framing detail for 6'-0" x 6'-0" diamond.
Made from 2 - 3'-0" x 6'-0" panels, spliced
and braced by channels as shown.



ROADSIDE SIGN DETAIL No. 8
Framing detail for 8'-0" x 8'-0" diamond.
Made from 2 - 4'-0" x 8'-0" panels, spliced
and braced by channels as shown.

CHANNEL SIZES

SIGN SIZE	PANEL THICKNESS	FRAME TYPE
4'-0" x 4'-0"	0.063"	NO FRAME REQUIRED
4'-0" x 4'-0"	0.080"	NO FRAME REQUIRED
5'-0" x 5'-0"	0.080"	SEE ROADSIDE SIGN No. 6
6'-0" x 6'-0"	0.080"	SEE ROADSIDE SIGN No. 7
8'-0" x 8'-0"	0.080"	SEE ROADSIDE SIGN No. 8

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**ROADSIDE SINGLE SHEET
ALUMINUM SIGNS,
DIAMOND SHAPE**

NO SCALE

S95

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

REGISTERED CIVIL ENGINEER

May 1, 2023

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA, BY ITS OFFICERS
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THE ACCURACY OR COMPLETENESS OF SCANNED
COPIES OF THIS PLAN SHEET.

Shonalia Horn
CS1846
Exp. 8-30-24
CIVIL
STATE OF CALIFORNIA

BIDDER: _____

PROPOSAL

**TO THE BOARD OF SUPERVISORS
OF THE SAN BERNARDINO COUNTY
STATE OF CALIFORNIA**

For Construction On

**DOLA DITCH AND LANZIT DITCH BRIDGE REPLACEMENT
2.0 Miles East of Kelbaker Road to 2.8 Miles East of Kelbaker Road**

**LENGTH: 0.8 Miles
WORK ORDER: H15220
AREA: Amboy
ROAD NO.: 586600-120**

NOTICE: BIDDERS MUST OBTAIN BIDDING DOCUMENTS AND PREPARE THEIR BIDS ON FORMS OBTAINED DIRECTLY FROM THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS OR FROM THE SAN BERNARDINO COUNTY ELECTRONIC PROCUREMENT NETWORK (ePRO) <https://epro.sbcounty.gov/>. BIDS PREPARED ON FORMS OBTAINED FROM OTHER SOURCES WILL NOT BE ACCEPTED. BIDDERS MUST BE LISTED ON THE OFFICIAL PLAN HOLDERS LIST AT THE TIME BIDS ARE PUBLICLY OPENED. BIDS RECEIVED FROM BIDDERS WHO ARE NOT LISTED ON THE OFFICIAL PLAN HOLDERS LIST WILL NOT BE ACCEPTED.

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 bidder has carefully examined the location of the proposed work, the proposed form of contract, and the plans and specifications therein referred to; and bidder proposes and agrees if this proposal is accepted, that bidder will contract with the San Bernardino County, in the form of the copy of the contract to provide all necessary machinery, tools, apparatus and other means of construction, and to do all work and furnish all the materials specified in the contract, in the manner and in the time therein prescribed, and according to the requirements of the Engineer as therein set forth, and that bidder will take in full payment therefore the following prices, to wit:

PROPOSAL CHECKLIST AND ASSEMBLY SEQUENCE

IMPORTANT

Failure to Properly Complete Bid Package May Result in Rejection of Bid

1

Proposal – Assemble all pages in same numbering sequence as original.

- ☐ Replacement Bid Sheets from Addendum are substituted in sequence, if applicable.
- ☐ Unit Prices are entered for all bid items (or Alternate bid items).
- ☐ Corrections or changes to the bid document are initialed.
- ☐ Subcontractors, if any, are listed
- ☐ Public Contract Code Section 10285.1 Statement is executed
- ☐ Public Contract Code Section 10162 Questionnaire is completed
- ☐ Noncollusion Declaration is executed and submitted with bid.
- ☐ Bidder Information is completed and correct.
- ☐ Proposal is complete and signed by authorized company representative.

2

Addendums, if any, are acknowledged. (Normally sent by facsimile and mail)

- ☐ "Bidder's Certification" (Just the Certification page) are executed and attached.

3

Bidder's Security.

- ☐ 10% of Bid Amount in Cash, Cashier's Check, Certified Check or Bidder's Bond.
- ☐ If Bidder's Bond, surety signature is notarized.
- ☐ If Bidder's Bond, surety power of attorney is attached.

4

ePRO.

- ☐ Registered as a Vendor in the ePro System prior to date and time to receive bid.
- ☐ If submitting bid through ePro, original Bid Security submitted in a separate sealed envelope labeled "Bid Bond" with the title of the work and name of bidder marked on outside of envelope to the Department of Public Works, Front Reception. Must be received on or before the time set for the opening of bids.
- ☐ If submitting a bid through ePro, Scan and attach to your quote the Fully Executed Proposal Documents (pages P-1 thru P-14).
- ☐ If submitting a bid through ePro, Scan and attach to your quote the Fully Executed Certification Page for ALL Addendums.

5

REGISTERED WITH THE DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) (SENATE BILL 854).

- ☐ DIR Registration Number identified for Bidder and all subcontractors.

Project: ***Dola Ditch and Lanzit Ditch Bridge Replacement***

W.O.#: ***H15220***

Limits: ***No. 54C0285 Dola Ditch and No. 54C0286 Lanzit Ditch***

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
1	1	F.A.	Supplemental Work at Forced Account	\$ 15,000	\$ 15,000
2	1	L.S.	Lead Compliance Plan	\$	\$
3	1	L.S.	Construction Area Signs	\$	\$
4	1	L.S.	Develop Water Supply	\$	\$
5	1	L.S.	Traffic Control System	\$	\$
6	6	EA.	Type III Barricade	\$	\$
7	1	L.S.	Mobilization	\$	\$
8	40	L.F.	Temporary Barrier System	\$	\$
9	426	L.F.	Remove Yellow Painted Traffic Stripe (Hazardous Waste)	\$	\$
10	1	L.S.	Clearing and Grubbing	\$	\$
11	3,716	C.Y.	Roadway Excavation	\$	\$
12	5,805	C.Y.	Channel Excavation	\$	\$
13	1,264	C.Y.	Structure Excavation (Bridge)	\$	\$
14	782	C.Y.	Structure Backfill (Bridge)	\$	\$
15	691	C.Y.	Structure Backfill (Channel)	\$	\$
16	126	L.F.	Earth Retaining Structure (Guard Railing)	\$	\$
17	707	L.F.	Fiber Rolls	\$	\$
18	566	C.Y.	Class 2 Aggregate Base	\$	\$
19	990	TON	Hot Mix Asphalt (Type A)	\$	\$
20	160	S.Y.	Geosynthetic Pavement Interlayer (Paving Fabric)	\$	\$
21	112	L.F.	Place Hot Mix Asphalt Dike (Type A)	\$	\$
22	27	S.Y.	Place Hot Mix Asphalt (Miscellaneous Area)	\$	\$
23	1.57	TON	Tack Coat	\$	\$
24	160	S.Y.	Cold Plane Asphalt Concrete Pavement	\$	\$
25	1,344	L.F.	24" Cast-In-Drilled-Hole Concrete Piling	\$	\$
26	156	C.Y.	Structural Concrete, Bridge Footing	\$	\$
27	321	C.Y.	Structural Concrete, Bridge	\$	\$
28	414	C.Y.	Structural Concrete, Bridge (Polymer Fiber)	\$	\$
29	219,376	LB.	Bar Reinforcing Steel (Bridge)	\$	\$
30	3,636	LB.	Bar Reinforcing Steel (Galvanized)	\$	\$
31	1	L.S.	Bridge Removal	\$	\$

32	3,143	C.Y.	Rock Slope Protection (1/4 T, Class V, Method B)	\$	\$
33	20	C.Y.	Rock Slope Protection (20 lb, Class I, Method B)	\$	\$
34	2,262	S.Y.	Rock Slope Protection Fabric (Class 8)	\$	\$
35	658	S.Y.	Pulverize Surfacing	\$	\$
36	30	L.F.	Temporary Fence (Type CL-6)	\$	\$
37	28	EA.	Delineator (Class 1)	\$	\$
38	16	EA.	Object Marker (Type P)	\$	\$
39	4	EA.	Object Marker (Type L-1)	\$	\$
40	300	L.F.	Midwest Guardrail System	\$	\$
41	500	S.Y.	Vegetation Control (Minor Concrete)	\$	\$
42	8	EA.	Transition Railing (Type WB-31)	\$	\$
43	8	EA.	Alternative In-Line Terminal System	\$	\$
44	546	L.F.	Concrete Barrier (Type 85)	\$	\$
45	494	L.F.	Remove Guardrail	\$	\$
46	5,178	L.F.	Paint Traffic Stripe (2-Coat)	\$	\$
47	4,342	L.F.	Remove Painted Traffic Stripe	\$	\$

PROJECT TOTAL: \$

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 this purpose. In the case of unit basis items, the amount set forth under the "Total" column shall be the extension of the unit price bid on the basis of 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, however, if the amount set forth as a unit price is ambiguous, unintelligible or uncertain for any cause, or is omitted, then the amount set forth in the "Total" column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained, rounded to the next lower penny, shall be the unit price.

If this proposal shall be accepted, the contract shall be signed by the successful bidder and returned **within 10 days**, and the contract bonds, copy of insurance policies, and Certificates of Insurance, with documents to verify any self-insurance coverage shall be provided **within 10 days**, not including Saturdays, Sundays and legal holidays, after the bidder has received the contract for execution. Should the undersigned fail to contract as aforesaid, the Board of Supervisors may, at its option, determine that the bidder has abandoned the contract, and, thereupon, this proposal and the acceptance thereof shall be null and void, and the forfeiture of such security accompanying this proposal shall operate and the same may be the property of the San Bernardino County.

NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL

BIDDER _____

The bidder shall complete the following information as required by the Subletting and Subcontracting Fair Practices Act, Public Contract Code section 4100 et seq.

Note: Subcontractors must be licensed and registered with the DIR (with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)) at the time of the bid opening.

Information marked with ** is required. (Make additional copies of this form if needed)

SUBCONTRACTORS LIST

Name: ** _____ Fed. ID: _____ Item(s) #: ** _____

Business Location: ** _____ % (s): _____

Telephone: () _____ Amount: \$ _____

License #: ** _____ Description of Work: ** _____

DIR Registration #: ** _____

Name: ** _____ Fed. ID: _____ Item(s) #: ** _____

Business Location: ** _____ % (s): _____

Telephone: () _____ Amount: \$ _____

License #: ** _____ Description of Work: ** _____

DIR Registration #: ** _____

Name: ** _____ Fed. ID: _____ Item(s) #: ** _____

Business Location: ** _____ % (s): _____

Telephone: () _____ Amount: \$ _____

License #: ** _____ Description of Work: ** _____

DIR Registration #: ** _____

Name: ** _____ Fed. ID: _____ Item(s) #: ** _____

Business Location: ** _____ % (s): _____

Telephone: () _____ Amount: \$ _____

License #: ** _____ Description of Work: ** _____

DIR Registration #: ** _____

NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL

PUBLIC CONTRACT CODE SECTION 10232 STATEMENT

In accordance 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.

PUBLIC CONTRACT CODE SECTION 10285.1 STATEMENT

In accordance with Public Contract Code section 10285.1, the bidder hereby declares under penalty of perjury that the bidder

has ☐ **Check One** **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 Statements are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of these Statements.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL

PUBLIC CONTRACT CODE SECTION 10162 QUESTIONNAIRE

In accordance 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?

Check One

Yes ☐ **No** ☐

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

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

NOTE: The above Questionnaire is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Questionnaire.

Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

PUBLIC CONTRACT CODE
SECTIONS 9204, 20104, 20104.2, 20104.4, 20104.6, AND 20104.50
RESOLUTION OF CONSTRUCTION CLAIMS AND PROMPT PAYMENT

9204

(a) The Legislature finds and declares that it is in the best interests of the state and its citizens to ensure that all construction business performed on a public works project in the state that is complete and not in dispute is paid in full and in a timely manner.

(b) Notwithstanding any other law, including, but not limited to, Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2, Chapter 10 (commencing with Section 19100) of Part 2, and Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3, this section shall apply to any claim by a contractor in connection with a public works project.

(c) For purposes of this section:

(1) "Claim" means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:

(A) A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.

(B) Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.

(C) Payment of an amount that is disputed by the public entity.

(2) "Contractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who has entered into a direct contract with a public entity for a public works project.

(3) (A) "Public entity" means, without limitation, except as provided in subparagraph (B), a state agency, department, office, division, bureau, board, or commission, the California State University, the University of California, a city, including a charter city, county, including a charter county, city and county, including a charter city and county, district, special district, public authority, political subdivision, public corporation, or nonprofit transit corporation wholly owned by a public agency and formed to carry out the purposes of the public agency.

(B) "Public entity" shall not include the following:

(i) The Department of Water Resources as to any project under the jurisdiction of that department.

(ii) The Department of Transportation as to any project under the jurisdiction of that department.

(iii) The Department of Parks and Recreation as to any project under the jurisdiction of that department.

(iv) The Department of Corrections and Rehabilitation with respect to any project under its jurisdiction pursuant to Chapter 11 (commencing with Section 7000) of Title 7 of Part 3 of the Penal Code.

(v) The Military Department as to any project under the jurisdiction of that department.

(vi) The Department of General Services as to all other projects.

(vii) The High-Speed Rail Authority.

(4) "Public works project" means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.

(5) "Subcontractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who either is in direct contract with a contractor or is a lower tier subcontractor.

(d) (1) (A) Upon receipt of a claim pursuant to this section, the public entity to which the claim applies shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the claimant a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, a public entity and a contractor may, by mutual agreement, extend the time period provided in this subdivision.

(B) The claimant shall furnish reasonable documentation to support the claim.

(C) If the public entity needs approval from its governing body to provide the claimant a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the public entity shall have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the claimant a written statement identifying the disputed portion and the undisputed portion.

(D) Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. If the public entity fails to issue a written statement, paragraph (3) shall apply.

(2) (A) If the claimant disputes the public entity's written response, or if the public entity fails to respond to a claim issued pursuant to this section within the time prescribed, the claimant may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the public entity shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(B) Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity 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 60 days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation,

with the public entity and the claimant sharing the associated costs equally. The public entity and claimant shall mutually agree to a mediator within 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 to applicable procedures outside this section.

(C) For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.

(D) Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.

(E) This section does not preclude a public entity from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this section does not resolve the parties' dispute.

(3) Failure by the public entity to respond to a claim from a contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this section shall result in the claim being deemed rejected in its entirety. A claim that is denied by reason of the public entity's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.

(4) Amounts not paid in a timely manner as required by this section shall bear interest at 7 percent per annum.

(5) If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against a public entity because privity of contract does not exist, the contractor may present to the public entity a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the contractor present a claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to the public entity shall furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the contractor shall notify the subcontractor in writing as to whether the contractor presented the claim to the public entity and, if the original contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

(e) The text of this section or a summary of it shall be set forth in the plans or specifications for any public works project that may give rise to a claim under this section.

(f) A waiver of the rights granted by this section is void and contrary to public policy, provided, however, that (1) upon receipt of a claim, the parties may mutually agree to waive, in writing,

mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable; and (2) a public entity may prescribe reasonable change order, claim, and dispute resolution procedures and requirements in addition to the provisions of this section, so long as the contractual provisions do not conflict with or otherwise impair the timeframes and procedures set forth in this section.

(g) This section applies to contracts entered into on or after January 1, 2017.

(h) Nothing in this section shall impose liability upon a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

(i) This section shall remain in effect only until January 1, 2020, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2020, deletes or extends that date.

20104.

(a)(1) This article applies to all public works claims of three hundred seventy-five thousand dollars (\$375,000) or less which arise between a contractor and a local agency.

(2) This article shall not apply to any claims resulting from a contract between a contractor and a public agency when the public agency has elected to resolve any disputes pursuant to Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2.

(b)(1) "Public work" means "public works contract" as defined in Section 1101 but does not include any work or improvement contracted for by the state or the Regents of the University of California.

(2) "Claim" means a separate demand by the contractor for (A) a time extension, (B) payment of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public work and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (C) an amount the payment of which is disputed by the local agency.

(c) The provisions of this article or a summary thereof shall be set forth in the plans or specifications for any work which may give rise to a claim under this article.

(d) This article applies only to contracts entered into on or after January 1, 1991.

20104.2 For any claim subject to this article, the following requirements apply:

(a) The claim shall be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the date of final payment. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided by contract for the filing of claims.

(b)(1) For claims of less than fifty thousand dollars (\$50,000), the local agency shall respond in writing to any written claim within 45 days of receipt of the claim, or may request, in writing,

within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses to the claim the local agency may have against the claimant.

(2) If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the local agency and the claimant.

(3) The local agency's written response to the claim, as further documented, shall be submitted to the claimant within 15 days after receipt of the further documentation or within a period of time no greater than that taken by the claimant in producing the additional information, whichever is greater.

(c)(1) For claims of over fifty thousand dollars (\$50,000) and less than or equal to three hundred seventy-five thousand dollars (\$375,000), the local agency shall respond in writing to all written claims within 60 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses to the claim the local agency may have against the claimant.

(2) If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the local agency and the claimant.

(3) The local agency's written response to the claim, as further documented, shall be submitted to the claimant within 30 days after receipt of the further documentation, or within a period of time no greater than that taken by the claimant in producing the additional information or requested documentation, whichever is greater.

(d) If the claimant disputes the local agency's written response, or the local agency fails to respond within the time prescribed, the claimant may so notify the local agency, in writing, either within 15 days of receipt of the local agency's response or within 15 days of the local agency's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon a demand, the local agency shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(e) Following the meet and confer conference, if the claim or any portion remains in dispute, the claimant may file a claim as provided in Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code. For purposes of those provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the claimant submits his or her written claim pursuant to subdivision (a) until the time that claim is denied as a result of the meet and confer process, including any period of time utilized by the meet and confer process.

(f) This article does not apply to tort claims and nothing in this article is intended nor shall be construed to change the time periods for filing tort claims or actions specified by Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code.

20104.4 The following procedures are established for all civil actions filed to resolve claims subject to this article:

(a) Within 60 days, but no earlier than 30 days, following the filing or responsive pleadings, the court shall submit the matter to nonbinding mediation unless waived by mutual stipulation of both parties. The mediation process shall provide for the selection within 15 days by both parties of a disinterested third person as mediator, shall be commenced within 30 days of the submittal, and shall be concluded within 15 days from the commencement of the mediation unless a time requirement is extended upon a good cause showing to the court or by stipulation of both parties. If the parties fail to select a mediator within the 15-day period, any party may petition the court to appoint the mediator.

(b)(1) If the matter remains in dispute, the case shall be submitted to judicial arbitration pursuant to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, notwithstanding Section 1141.11 of that code. The Civil Discovery Act (Title 4 (commencing with Section 2016.10) of Part 4 of the Code of Civil Procedure) shall apply to any proceeding brought under this subdivision consistent with the rules pertaining to judicial arbitration.

(2) Notwithstanding any other provision of law, upon stipulation of the parties, arbitrators appointed for purposes of this article shall be experienced in construction law, and, upon stipulation of the parties, mediators and arbitrators shall be paid necessary and reasonable hourly rates of pay not to exceed their customary rate, and such fees and expenses shall be paid equally by the parties, except in the case of arbitration where the arbitrator, for good cause, determines a different division. In no event shall these fees or expenses be paid by state or county funds.

(3) In addition to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, any party who after receiving an arbitration award requests a trial de novo but does not obtain a more favorable judgment shall, in addition to payment of costs and fees under that chapter, pay the attorney's fees of the other party arising out of the trial de novo.

(c) The court may, upon request by any party, order any witnesses to participate in the mediation or arbitration process.

20104.6

(a) No local agency shall fail to pay money as to any portion of a claim which is undisputed except as otherwise provided in the contract.

(b) In any suit filed under Section 20104.4, the local agency shall pay interest at the legal rate on any arbitration award or judgment. The interest shall begin to accrue on the date the suit is filed in a court of law.

ARTICLE 1.7

Modification; Performance, Payment

20104.50

(a) (1) It is the intent of the Legislature in enacting this section to require all local governments to pay their contractors on time so that these contractors can meet their own obligations. In

requiring prompt payment by all local governments, the Legislature hereby finds and declares that the prompt payment of outstanding receipts is not merely a municipal affair, but is, instead, a matter of statewide concern.

(2) It is the intent of the Legislature in enacting this article to fully occupy the field of public policy relating to the prompt payment of local governments' outstanding receipts. The Legislature finds and declares that all government officials, including those in local government, must set a standard of prompt payment that any business in the private sector which may contract for services should look towards for guidance.

(b) Any local agency which fails to make any progress payment within 30 days after receipt of an undisputed and properly submitted payment request from a contractor on a construction contract shall pay interest to the contractor equivalent to the legal rate set forth in subdivision (a) of Section 685.010 of the Code of Civil Procedure.

(c) Upon receipt of a payment request, each local agency shall act in accordance with both of the following:

(1) Each payment request shall be reviewed by the local agency as soon as practicable after receipt for the purpose of determining that the payment request is a proper payment request.

(2) Any payment request determined not to be a proper payment request suitable for payment shall be returned to the contractor as soon as practicable, but not later than seven days, after receipt. A request returned pursuant to this paragraph shall be accompanied by a document setting forth in writing the reasons why the payment request is not proper.

(d) The number of days available to a local agency to make a payment without incurring interest pursuant to this section shall be reduced by the number of days by which a local agency exceeds the seven-day return requirement set forth in paragraph (2) of subdivision (c).

(e) For purposes of this article:

(1) A "local agency" includes, but is not limited to, a city, including a charter city, a county, and a city and county, and is any public entity subject to this part.

(2) A "progress payment" includes all payments due contractors, except that portion of the final payment designated by the contract as retention earnings.

(3) A payment request shall be considered properly executed if funds are available for payment of the payment request, and payment is not delayed due to an audit inquiry by the financial officer of the local agency.

(f) Each local agency shall require that this article, or a summary thereof, be set forth in the terms of any contract subject to this article.

**NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE
PROPOSAL**

**NONCOLLUSION DECLARATION
TO BE EXECUTED BY
BIDDER AND SUBMITTED WITH BID**

(Public Contract Code section 7106)

The undersigned declares:

I am the _____ [title] of _____ [name
of the bidder], the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. 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. All statements contained in the bid are true. 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, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on

_____ [date], at _____ [city], _____ [state].

Print Name

Signature - REQUIRED

NOTE: The above Noncollusion Declaration is part of the Bid, and failure to include the Noncollusion Declaration with the Bid will result in the Bid being found nonresponsive.

Bidders are reminded that this declaration must be signed under penalty of perjury.

If the bid proposal is submitted through ePro the undersigned acknowledges that its electronic signature is legally binding.

**IRAN CONTRACTING ACT OF 2010
(Public Contract Code section 2200 et seq.)**

(Applicable only to Contracts of One Million Dollars (\$1,000,000) or More):

In accordance with Public Contract Code section 2204 (a), the bidder certifies that at the time the bid is submitted or the contract is renewed, that bidder is not identified on a list created pursuant to subdivision (b) of Public Contract Code section 2203 as a person engaging in investment activities in Iran described in subdivision (a) of Public Contract Code section 2202.5, or as a person described in subdivision (b) of Public Contract Code section 2202.5, as applicable. A state agency shall submit the certification information to the Department of General Services.

RUSSIAN SANCTION/EXECUTIVE ORDER N-6-22

(Applicable for all Contracts of five million dollars (\$5,000,000) or more utilizing State funding.):

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine (<https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/ukraine-russia-related-sanctions>), as well as any sanctions imposed under state law (<https://www.dgs.ca.gov/OLS/Ukraine-Russia>). The EO directs state agencies and their contractors (including by agreement or receipt of a grant) to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should it be determined that Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. Contractor shall be provided advance written notice of such termination, allowing Contractor at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the County.

NOTE: The above Certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

Bidders are cautioned that making a false certification may subject bidder to civil penalties, termination of existing contract, and ineligibility to bid on a contract for a period of three (3) years in accordance with Public Contract Code section 2205.

NOTE: THIS FORM MUST BE COMPLETED, SIGNED AND RETURNED WITH THE PROPOSAL

Accompanying this proposal is _____

in the amount equal to at least ten percent of the total of the bid.

(Note: Insert the words "CASH (\$)," "CASHIER'S CHECK," "CERTIFIED CHECK," or "BIDDER'S BOND," as the case may be.)

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

NOTICE: If the 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 co-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 names in full.

Licensed in accordance with an act providing for the registration of Contractors,

License No.: _____ Expiration Date: _____

Dept. of Industrial Relations Reg. No: _____ Federal Identification No.: _____

By my signature on this proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing documents are true and correct and that the bidder satisfies all of the requirements identified in said documents.

If the bid proposal is submitted through ePro the undersigned acknowledges that its electronic signature is legally binding.

<u>Print Name</u>	<u>Signature - REQUIRED</u>	<u>Title</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Date: _____

Name of Bidder _____

Business Address _____

Place of Business _____

Business Phone No. _____ Business Fax No. _____

Place of Residence _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____

_____, as Principal, (hereinafter called the "Principal"),
and _____, as Surety, (hereinafter called "Surety"),
an admitted Surety insurer pursuant to Code of Civil Procedure, Section 995.120, legally doing business in California at:

_____ are held and firmly bound unto the **SAN BERNARDINO COUNTY**, as Obligee, (hereinafter called "**Obligee**"), in the sum of
_____ Dollars (\$_____),

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally firmly by these presents.

WHEREAS, the Principal has submitted a bid for:

PROJECT TITLE: PROJECT TITLE - DO "INPUT.XLS" FIRST; PROJECT LIMITS: PROJECT LIMITS - DO "INPUT.XLS" FIRST; W. O. NO.: W.O. NO.

BID DATE: _____

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a contract with the Obligee in accordance with the terms of said proposal and give such bonds as may be specified in the bidding or contract documents with good and sufficient surety for the faithful performance of such contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter into such contract and give such bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this _____ day of _____, _____ Year

Principal

By: _____
Signature

Printed Name

Title

Surety

By: _____
Signature, Attorney-in-Fact

Printed Name



Contract Number

SAP Number

PUBLIC WORKS

Department Contract Representative
Telephone Number

Contractor
Contractor Representative
Telephone Number
Contract Term
Original Contract Amount
Amendment Amount
Total Contract Amount
Cost Center

IT IS HEREBY AGREED AS FOLLOWS:

(Use space below and additional bond sheets. Set forth service to be rendered, amount to be paid, manner of payment, time for performance or completion, determination of satisfactory performance and cause for termination, other terms and conditions, and attach plans, specifications, and addenda, if any.)

ARTICLE I. That for and in consideration of payment and agreements hereinafter mentioned to be made and performed by County, and under the conditions expressed in the two bonds, hereunto annexed, Contractor agrees with County, at Contractor's own proper cost and expense to do all the work and to furnish all the materials necessary to construct and complete in a good, workmanlike and substantial manner, this project to the satisfaction of the Director of Public Works in accordance with the following documents, which are incorporated herein by this reference, and the articles set out below:

Plans entitled: Plans for Construction on Project Title - Do "input.xls" first Project Limits - Do "input.xls" first, Area of Project area, Work Order No.: W.O. No.; Road No.: Road and Section No..

California Department of Transportation (Caltrans) 2015 Standard Specifications and the 2015 Standard Plans, including the Caltrans 2015 Revised Standard Specifications and the 2015 Revised Standard Plans (Revisions on both the Standard Specifications and the Standard Plans through July 21, 2017), unless specified otherwise in the contract documents.

Special Provisions entitled: Special Provisions for Construction on Project Title - Do "input.xls" first Project Limits - Do "input.xls" first; Length: Length and Unit; Work Order No.: W.O. No.; Area: Area of Project; Road No.: Road and Section No..

ARTICLE II. Contractor agrees to receive and accept the following prices as full compensation for furnishing all materials and for doing all the work contemplated and embraced in this agreement; also for all loss or damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work, until its acceptance by the County, and for all risks of every description connected with the work; also for expenses incurred by or in consequence of the suspension or discontinuance of work and for well and faithfully completing the work, and the whole thereof, in the manner and according to the plans and specifications, and the requirements of the Engineer under them, to wit: of work and for well and faithfully completing the work, and the whole thereof, in the manner and according to the plans and specifications, and the requirements of the Engineer under them, to wit:

Project: Various Roads (See Below)

W.O.#: (See Below)

Limits:

Various Roads (See Below)

Item No.	Approx. Quant.	Meas. Unit	Item Description	Unit Price	Total
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*Table of Contract Quantities, Items and
Prices will be shown here*

ARTICLE III. County hereby promises and agrees with Contractor to employ and does hereby employ Contractor to provide the materials and to do the work according to the terms and conditions herein contained and referred to, for the prices aforesaid, and thereby contracts to pay the same at the time, in the manner and upon conditions above set forth, and said parties hereto for themselves, their heirs, executors, administrators, successors and assigns do hereby agree to the full performance of the covenants herein contained.

ARTICLE IV. Contractor shall accept all payments from County via electronic funds transfer (EFT) directly deposited into the Contractor's designated checking or other banking account. Contractor shall promptly comply with directions and accurately complete forms provided by County required to process EFT payments.

ARTICLE V. Contractor may, upon written request and at their expense, deposit substitute securities found in Government Code Section 16430 as authorized by Public Contract Code Section 22300 in lieu of retention monies withheld to insure performance.

ARTICLE VI. It is further expressly agreed by and between the parties hereto that, should there be any conflict between the terms of this instrument and the bid or proposal of said Contractor, then this instrument shall control and nothing herein shall be considered as an acceptance of the said terms of said proposal conflicting herewith.

ARTICLE VII. During the term of the Contract, Contractor shall not discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, sexual orientation, age, or military and veteran status. CONTRACTOR shall comply with Executive Orders 11246, 11375, 11625, 12138, 12432, 12250, Title VI and VII of the Civil Rights Act of 1964, the California Fair Housing and Employment Act, County Policy and other applicable federal, state and County laws, regulations and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted.

ARTICLE VIII. By my signature hereunder, as Contractor, I certify that I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers 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.

ARTICLE IX. By my signature hereunder, as Contractor, I certify that I am aware of the provisions and requirements of Sections 1777.5 and 1777.7 of the Labor Code relating to apprenticeship standards; and that I accept responsibility for compliance with the provisions of Section 1777.5 for all apprenticeable occupations pertaining to performance of work under this contract.

ARTICLE X. By my signature hereunder, as Contractor, I agree that County has the right to review, obtain and copy all records pertaining to performance of the contract. I agree to provide County with any relevant information requested and shall permit County access to company's premises upon reasonable notice for purposes on interviewing employees and inspecting records. I shall maintain all project records for at least three (3) years after final payment under the contract.

ARTICLE XI. Contractor shall comply with the Prevailing Wage Laws described in this Agreement, including Exhibit A.

As required by Labor Code section 1771.1(a) "A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. 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 at the time the contract is awarded."

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BOARD OF SUPERVISORS

(Print or type name of corporation, company, contractor, etc.)

By  _____
(Authorized signature - sign in blue ink)

Name _____
(Print or type name of person signing contract)

Title _____
(Print or Type)

Dated: _____

Address _____

Dawn Rowe, Chair, Board of Supervisors


Dated: _____

SIGNED AND CERTIFIED THAT A COPY OF THIS
DOCUMENT HAS BEEN DELIVERED TO THE
CHAIRMAN OF THE BOARD

Lynna Monell
Clerk of the Board of Supervisors
of the San Bernardino County


By _____
Deputy

FOR COUNTY USE ONLY


Approved as to Legal Form


, County Counsel

Date _____

Reviewed for Contract Compliance


Date _____

Reviewed/Approved by Department


Date _____

EXHIBIT A - PREVAILING WAGE REQUIREMENTS

A. All or a portion of the Scope of Work in the Contract requires the payment of prevailing wages and compliance with the following requirements:

1. Determination of Prevailing Rates:

Pursuant to Labor Code sections 1770, et seq., the County has obtained from the Director of the Department of Industrial Relations (DIR) pursuant to the California Labor Code, the general prevailing rates of per diem wages and the prevailing rates for holiday and overtime work in the locality in which the Scope of Work is to be performed. Copies of said rates are on file with the County, will be made available for inspection during regular business hours, may be included elsewhere in the specifications for the Scope of Work, and are also available online at www.dir.ca.gov. The wage rate for any classification not listed, but which may be required to execute the Scope of Work, shall be commensurate and in accord with specified rates for similar or comparable classifications for those performing similar or comparable duties. In accordance with Labor Code section 1773.2, the Contractor shall post, at appropriate and conspicuous locations on the job site, a schedule showing all applicable prevailing wage rates and shall comply with the requirements of Labor Code sections 1773, et seq.

2. Payment of Prevailing Rates

Each worker of the Contractor, or any subcontractor, engaged in the Scope of Work, shall be paid not less than the general prevailing wage rate, regardless of any contractual relationship which may be alleged to exist between the Contractor or any subcontractor, and such worker.

3. Prevailing Rate Penalty

The Contractor shall, as a penalty, forfeit two hundred dollars (\$200.00) to the County for each calendar day or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of the DIR for such work or craft in which such worker is employed by the Contractor or by any subcontractor in connection with the Scope of Work. Pursuant to California Labor Code section 1775, the difference between such prevailing wage rates and the amount paid to each worker for each calendar day, or portion thereof, for which each worker was paid less than the prevailing wage rate, shall be paid to each worker by the Contractor.

4. Ineligible Contractors:

Pursuant to the provisions of Labor Code section 1777.1, the Labor Commissioner publishes and distributes a list of contractors ineligible to perform work as a contractor or subcontractor on a public works project. This list of debarred contractors is available from the DIR website at <http://www.dir.ca.gov/Public-Works/PublicWorks.html>. Any contract entered into between a contractor and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract, and any public money that may have been paid to a debarred subcontractor by a contractor on the project shall be returned to the County. The Contractor shall be responsible for the payment of wages to workers as a debarred subcontractor who has been allowed to work on the Scope of Work.

5. Payroll Records:

- a. Pursuant to California Labor Code section 1776, the Contractor and each subcontractor, shall keep accurate certified payroll records, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed by them in connection with the Scope of Work. The payroll records enumerated herein shall be verified by a written declaration made under penalty of perjury that the information contained in the payroll record is true and correct and that the Contractor or subcontractor has complied with the requirements of the California Labor Code sections 1771, 1811, and 1815 for any Scope of Work performed by his or her employees. The payroll records shall be available for inspection at all reasonable hours at the principal office of the Contractor on the following basis:

- i. A certified copy of an employee's payroll record shall be made available for inspection or furnished to such employee or his/her authorized representative on request;
 - ii. A certified copy of all payroll records shall be made available for inspection or furnished upon request to the County, the Division of Labor Standards Enforcement of the DIR;
 - iii. A certified copy of payroll records shall be made available upon request to the public for inspection or copies thereof made; provided, however, that a request by the public shall be made through either the County or the Division of Labor Standards Enforcement. If the requested payroll records have not been previously provided to the County or the Division of Labor Standards Enforcement, the requesting party shall, prior to being provided the records, reimburse the cost of preparation by the Contractor, subcontractor and the entity through which the request was made; the public shall not be given access to such records at the principal office of the Contractor;
 - iv. The Contractor shall file a certified copy of the payroll records with the entity that requested such records within ten (10) days after receipt of a written request; and
 - v. Copies provided to the public, by the County or the Division of Labor Standards Enforcement shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address and social security number. The name and address of the Contractor or any subcontractor, performing a part of the Scope of Work shall not be marked or obliterated. The Contractor shall inform the County of the location of payroll records, including the street address, city and county and shall, within five (5) working days, provide a notice of a change of location and address.
- b. The Contractor shall have ten (10) days from receipt of the written notice specifying in what respects the Contractor must comply with the above requirements. In the event Contractor does not comply with the requirements of this section within the ten (10) day period, the Contractor shall, as a penalty to the County, forfeit one-hundred dollars (\$100.00) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Labor Standards Enforcement, such penalty shall be withheld from any portion of the payments then due or to become due to the Contractor.

6. Limits on Hours of Work:

Pursuant to California Labor Code section 1810, eight (8) hours of labor shall constitute a legal day's work. Pursuant to California Labor Code section 1811, the time of service of any worker employed at any time by the Contractor or by a subcontractor, upon the Scope of Work or upon any part of the Scope of Work, is limited and restricted to eight (8) hours during any one calendar day and forty (40) hours during any one calendar week, except as provided for under Labor Code section 1815. Notwithstanding the foregoing provisions, work performed by employees of Contractor or any subcontractor, in excess of eight (8) hours per day and forty (40) hours during any one week, shall be permitted upon compensation for all hours worked in excess of eight (8) hours per day at not less than one and one-half (1½) times the basic rate of pay.

7. Penalty for Excess Hours:

The Contractor shall pay to the County a penalty of twenty-five dollars (\$25.00) for each worker employed on the Scope of Work by the Contractor or any subcontractor, for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any calendar day and forty (40) hours in any one calendar week, in violation of the provisions of the California Labor Code, unless compensation to the worker so employed by the Contractor is not less than one and one-half (1½) times the basic rate of pay for all hours worked in excess of eight (8) hours per day.

8. Senate Bill 854 (Chapter 28, Statutes of 2014) and Senate Bill 96 (Chapter 28, Statutes of 2017) Requirements:

- a. Contractor shall comply with Senate Bill 854 and Senate Bill 96. The requirements include, but are not limited to, the following:
- i. No contractor or subcontractor may be listed on a bid proposal (submitted on or after March 1, 2015) for a public works project unless registered with the DIR pursuant to Labor Code section 1725.5, with limited exceptions from this requirements for bid purposes only as allowed under Labor Code section 1771.1(a).
 - ii. No contractor or subcontractor may be awarded a contract for public work or perform work on a public works project (awarded on or after April 1, 2015) unless registered with the DIR pursuant to Labor Code section 1725.5.
 - iii. This project is subject to compliance monitoring and enforcement by the DIR.
 - iv. As required by the DIR, Contractor is required to post job site notices, as prescribed by regulation, regarding compliance monitoring and enforcement by the DIR.
 - v. Contractors and all subcontractors must submit certified payroll records online to the Labor Commissioner for all new public works projects issued on or after April 1, 2015, and for all public works projects, new or ongoing, on or after January 1, 2016.
 - 1) The certified payroll must be submitted at least monthly to the Labor Commissioner.
 - 2) The County reserves the right to require Contractor and all subcontractors to submit certified payroll records more frequently than monthly to the Labor Commissioner.
 - 3) The certified payroll records must be in a format prescribed by the Labor Commissioner.
 - vi. Registration with the DIR and the submission of certified payroll records to the Labor Commissioner are not required if the public works project is \$25,000 or less when the project is for construction, alteration, demolition, installation or repair work, or if the public works project is \$15,000 or less when the project is for maintenance work.

- b. Labor Code section 1725.5 states the following:

“A contractor shall be registered pursuant to this section to be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any public work contract that is subject to the requirements of this chapter. For the purposes of this section, “contractor” includes a subcontractor as defined by Section 1722.1.

(a) To qualify for registration under this section, a contractor shall do all of the following:

(1) (A) Register with the Department of Industrial Relations in the manner prescribed by the department and pay an initial nonrefundable application fee of four hundred dollars (\$400) to qualify for registration under this section and an annual renewal fee on or before July 1 of each year thereafter. The annual renewal fee shall be in a uniform amount set by the Director of Industrial Relations, and the initial registration and renewal fees may be adjusted no more than annually by the director to support the costs specified in Section 1771.3.

(B) Beginning June 1, 2019, a contractor may register or renew according to this subdivision in annual increments up to three years from the date of registration. Contractors who wish to do so will be required to prepay the applicable nonrefundable application or renewal fees to qualify for the number of years for which they wish to preregister.

(2) Provide evidence, disclosures, or releases as are necessary to establish all of the following:

(A) Workers' compensation coverage that meets the requirements of Division 4 (commencing with Section 3200) and includes sufficient coverage for any worker whom the contractor

employs to perform work that is subject to prevailing wage requirements other than a contractor who is separately registered under this section. Coverage may be evidenced by a current and valid certificate of workers' compensation insurance or certification of self-insurance required under Section 7125 of the Business and Professions Code.

(B) If applicable, the contractor is licensed in accordance with Chapter 9 (commencing with Section 7000) of the Business and Professions Code.

(C) The contractor does not have any delinquent liability to an employee or the state for any assessment of back wages or related damages, interest, fines, or penalties pursuant to any final judgment, order, or determination by a court or any federal, state, or local administrative agency, including a confirmed arbitration award. However, for purposes of this paragraph, the contractor shall not be disqualified for any judgment, order, or determination that is under appeal, provided that the contractor has secured the payment of any amount eventually found due through a bond or other appropriate means.

(D) The contractor is not currently debarred under Section 1777.1 or under any other federal or state law providing for the debarment of contractors from public works.

(E) The contractor has not bid on a public works contract, been listed in a bid proposal, or engaged in the performance of a contract for public works without being lawfully registered in accordance with this section, within the preceding 12 months or since the effective date of the requirements set forth in subdivision (e), whichever is earlier. If a contractor is found to be in violation of the requirements of this paragraph, the period of disqualification shall be waived if both of the following are true:

(i) The contractor has not previously been found to be in violation of the requirements of this paragraph within the preceding 12 months.

(ii) The contractor pays an additional nonrefundable penalty registration fee of two thousand dollars (\$2,000).

(b) Fees received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(c) A contractor who fails to pay the renewal fee required under paragraph (1) of subdivision (a) on or before the expiration of any prior period of registration shall be prohibited from bidding on or engaging in the performance of any contract for public work until once again registered pursuant to this section. If the failure to pay the renewal fee was inadvertent, the contractor may renew its registration retroactively by paying an additional nonrefundable penalty renewal fee equal to the amount of the renewal fee within 90 days of the due date of the renewal fee.

(d) If, after a body awarding a contract accepts the contractor's bid or awards the contract, the work covered by the bid or contract is determined to be a public work to which Section 1771 applies, either as the result of a determination by the director pursuant to Section 1773.5 or a court decision, the requirements of this section shall not apply, subject to the following requirements:

(1) The body that awarded the contract failed, in the bid specification or in the contract documents, to identify as a public work that portion of the work that the determination or decision subsequently classifies as a public work.

(2) Within 20 days following service of notice on the awarding body of a determination by the Director of Industrial Relations pursuant to Section 1773.5 or a decision by a court that the contract was for public work as defined in this chapter, the contractor and any subcontractors

are registered under this section or are replaced by a contractor or subcontractors who are registered under this section.

(3) The requirements of this section shall apply prospectively only to any subsequent bid, bid proposal, contract, or work performed after the awarding body is served with notice of the determination or decision referred to in paragraph (2).

(e) The requirements of this section shall apply to any bid proposal submitted on or after March 1, 2015, to any contract for public work, as defined in this chapter, executed on or after April 1, 2015, and to any work performed under a contract for public work on or after January 1, 2018, regardless of when the contract for public work was executed.

(f) This section does not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work.”

c. Labor Code section 1771.1 states the following:

“(a) A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. 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 at the time the contract is awarded.

(b) Notice of the requirement described in subdivision (a) shall be included in all bid invitations and public works contracts, and a bid shall not be accepted nor any contract or subcontract entered into without proof of the contractor or subcontractor's current registration to perform public work pursuant to Section 1725.5.

(c) An inadvertent error in listing a subcontractor who is not registered pursuant to Section 1725.5 in a bid proposal shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive, provided that any of the following apply:

(1) The subcontractor is registered prior to the bid opening.

(2) Within 24 hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(3) The subcontractor is replaced by another registered subcontractor pursuant to Section 4107 of the Public Contract Code.

(d) Failure by a subcontractor to be registered to perform public work as required by subdivision (a) shall be grounds under Section 4107 of the Public Contract Code for the contractor, with the consent of the awarding authority, to substitute a subcontractor who is registered to perform public work pursuant to Section 1725.5 in place of the unregistered subcontractor.

(e) The department shall maintain on its Internet Web site a list of contractors who are currently registered to perform public work pursuant to Section 1725.5.

(f) A contract entered into with any contractor or subcontractor in violation of subdivision (a) shall be subject to cancellation, provided that a contract for public work shall not be unlawful, void, or voidable solely due to the failure of the awarding body, contractor, or any subcontractor to comply with the requirements of Section 1725.5 or this section.

(g) If the Labor Commissioner or his or her designee determines that a contractor or subcontractor engaged in the performance of any public work contract without having been registered in accordance with this section, the contractor or subcontractor shall forfeit, as a civil penalty to the state, one hundred dollars (\$100) for each day of work performed in violation of the registration requirement, not to exceed an aggregate penalty of eight thousand dollars (\$8,000) in addition to any penalty registration fee assessed pursuant to clause (ii) of subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(h)(1) In addition to, or in lieu of, any other penalty or sanction authorized pursuant to this chapter, a higher tiered public works contractor or subcontractor who is found to have entered into a subcontract with an unregistered lower tier subcontractor to perform any public work in violation of the requirements of Section 1725.5 or this section shall be subject to forfeiture, as a civil penalty to the state, of one hundred dollars (\$100) for each day the unregistered lower tier subcontractor performs work in violation of the registration requirement, not to exceed an aggregate penalty of ten thousand dollars (\$10,000).

(2) The Labor Commissioner shall use the same standards specified in subparagraph (A) of paragraph (2) of subdivision (a) of Section 1775 when determining the severity of the violation and what penalty to assess, and may waive the penalty for a first time violation that was unintentional and did not hinder the Labor Commissioner's ability to monitor and enforce compliance with the requirements of this chapter.

(3) A higher tiered public works contractor or subcontractor shall not be liable for penalties assessed pursuant to paragraph (1) if the lower tier subcontractor's performance is in violation of the requirements of Section 1725.5 due to the revocation of a previously approved registration.

(4) A subcontractor shall not be liable for any penalties assessed against a higher tiered public works contractor or subcontractor pursuant to paragraph (1). A higher tiered public works contractor or subcontractor may not require a lower tiered subcontractor to indemnify or otherwise be liable for any penalties pursuant to paragraph (1).

(i) The Labor Commissioner or his or her designee shall issue a civil wage and penalty assessment, in accordance with the provisions of Section 1741, upon determination of penalties pursuant to subdivision (g) and subparagraph (B) of paragraph (1) of subdivision (h). Review of a civil wage and penalty assessment issued under this subdivision may be requested in accordance with the provisions of Section 1742. The regulations of the Director of Industrial Relations, which govern proceedings for review of civil wage and penalty assessments and the withholding of contract payments under Article 1 (commencing with Section 1720) and Article 2 (commencing with Section 1770), shall apply.

(j)(1) Where a contractor or subcontractor engages in the performance of any public work contract without having been registered in violation of the requirements of Section 1725.5 or this section, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered contractor or the unregistered subcontractor on all public works until the unregistered contractor or unregistered subcontractor is registered. The stop order shall not apply to work by registered contractors or subcontractors on the public work.

(2) A stop order may be personally served upon the contractor or subcontractor by either of the following methods:

(A) Manual delivery of the order to the contractor or subcontractor personally.

(B) Leaving signed copies of the order with the person who is apparently in charge at the site of the public work and by thereafter mailing copies of the order by first class mail, postage prepaid to the contractor or subcontractor at one of the following:

(i) The address of the contractor or subcontractor on file with either the Secretary of State or the Contractors' State License Board.

(ii) If the contractor or subcontractor has no address on file with the Secretary of State or the Contractors' State License Board, the address of the site of the public work.

(3) The stop order shall be effective immediately upon service and shall be subject to appeal by the party contracting with the unregistered contractor or subcontractor, by the unregistered contractor or subcontractor, or both. The appeal, hearing, and any further review of the hearing decision shall be governed by the procedures, time limits, and other requirements specified in subdivision (a) of Section 238.1.

(4) Any employee of an unregistered contractor or subcontractor who is affected by a work stoppage ordered by the commissioner pursuant to this subdivision shall be paid at his or her regular hourly prevailing wage rate by that employer for any hours the employee would have worked but for the work stoppage, not to exceed 10 days.

(k) Failure of a contractor or subcontractor, owner, director, officer, or managing agent of the contractor or subcontractor to observe a stop order issued and served upon him or her pursuant to subdivision (j) is guilty of a misdemeanor punishable by imprisonment in county jail not exceeding 60 days or by a fine not exceeding ten thousand dollars (\$10,000), or both.

(l) This section shall apply to any bid proposal submitted on or after March 1, 2015, and any contract for public work entered into on or after April 1, 2015. This section shall also apply to the performance of any public work, as defined in this chapter, on or after January 1, 2018, regardless of when the contract for public work was entered.

(m) Penalties received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(n) This section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work."

d. Labor Code section 1771.4 states the following:

"a) All of the following are applicable to all public works projects that are otherwise subject to the requirements of this chapter:

(1) The call for bids and contract documents shall specify that the project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

(2) The awarding body shall post or require the prime contractor to post job site notices, as prescribed by regulation.

(3) Each contractor and subcontractor shall furnish the records specified in Section 1776 directly to the Labor Commissioner, in the following manner:

(A) At least monthly or more frequently if specified in the contract with the awarding body.

(B) In a format prescribed by the Labor Commissioner.

(4) If the contractor or subcontractor is not registered pursuant to Section 1725.5 and is performing work on a project for which registration is not required because of subdivision (f) of Section 1725.5, the unregistered contractor or subcontractor is not required to furnish the records specified in Section 1776 directly to the Labor Commissioner but shall retain the records specified in Section 1776 for at least three years after completion of the work.

(5) The department shall undertake those activities it deems necessary to monitor and enforce compliance with prevailing wage requirements.

(b) The Labor Commissioner may exempt a public works project from compliance with all or part of the requirements of subdivision (a) if either of the following occurs:

(1) The awarding body has enforced an approved labor compliance program, as defined in Section 1771.5, on all public works projects under its authority, except those deemed exempt pursuant to subdivision (a) of Section 1771.5, continuously since December 31, 2011.

(2) The awarding body has entered into a collective bargaining agreement that binds all contractors performing work on the project and that includes a mechanism for resolving disputes about the payment of wages.

(c) The requirements of paragraph (1) of subdivision (a) shall only apply to contracts for public works projects awarded on or after January 1, 2015.

(d) The requirements of paragraph (3) of subdivision (a) shall apply to all contracts for public work, whether new or ongoing, on or after January 1, 2016.”

B. STATE PUBLIC WORKS APPRENTICESHIP REQUIREMENTS

1. State Public Works Apprenticeship Requirements:

- a. The Contractor is responsible for compliance with Labor Code section 1777.5 and the California Code of Regulations, title 8, sections 230 – 230.2 for all apprenticeable occupations (denoted with “#” symbol next to craft name in DIR Prevailing Wage Determination), whether employed by the Contractor, subcontractor, vendor or consultant. Included in these requirements is (1) the Contractor’s requirement to provide notification (i.e. DAS-140) to the appropriate apprenticeship committees; (2) pay training fund contributions for each apprenticeable hour employed on the Contract; and (3) utilize apprentices in a minimum ratio of not less than one apprentice hour for each five journeyman hours by completion of Contract work (unless an exception is granted in accordance with Labor Code section 1777.5) or request for the dispatch of apprentices.
- b. Any apprentices employed to perform any of the Scope of Work shall be paid the standard wage to apprentices under the regulations of the craft or trade for which such apprentice is employed, and such individual shall be employed only for the work of the craft or trade to which such individual is registered. Only apprentices, as defined in California Labor Code section 3077, who are in training under apprenticeship standards and written apprenticeship agreements under California Labor Code sections 3070 et seq. are eligible to be employed for the Scope of Work. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and apprentice agreements under which such apprentice is training.

2. Compliance with [California Labor Code section 1777.5](#) requires all public works contractors to:

- a. Submit Contract Award Information (DAS-140):
 - i. Although there are a few exemptions (identified below), all Contractors, regardless of union affiliation, must submit contract award information when performing on a California public works project.
 - ii. The DAS-140 is a notification “announcement” of the Contractor’s participation on a public works project—*it is not a request for the dispatch of an apprentice.*
 - iii. Contractors shall submit the contract award information (you may use form DAS 140) within 10 days of the execution of the prime contract or subcontract, but in no event later than the first day in which the Contractor has workers employed on the public work.

- iv. Contractors who are already approved to train apprentices (i.e. check “Box 1” on the DAS-140) shall only be required to submit the form to their approved program.
 - v. Contractors who are NOT approved to train apprentices (i.e. those that check either “Box 2” or “Box 3” on the DAS-140) shall submit the DAS-140 TO EACH of the apprenticeship program sponsors in the area of your public works project. For a listing of apprenticeship programs see <http://www.dir.ca.gov/Databases/das/pwaddrstart.asp>.
- b. Employ Registered Apprentices
- i. Labor Code section 1777.5 requires that a contractor performing work in an “apprenticeable” craft must employ one (1) hour of apprentice work for every five (5) hours performed by a journeyman. This ratio shall be met prior to the Contractor’s completion of work on the project. “Apprenticeable” crafts are denoted with a pound symbol “#” in front of the craft name on the prevailing wage determination.
 - ii. All Contractors who do not fall within an exemption category (see below) must request for dispatch of an apprentice from an apprenticeship program (for each apprenticeable craft or trade) by giving the program actual notice of at least 72 hours (business days only) before the date on which apprentices are required.
 - iii. Contractors may use the “DAS-142” form for making a request for the dispatch of an apprentice.
 - iv. Contractors who are participating in an approved apprenticeship training program and who did not receive sufficient number of apprentices from their initial request must request dispatch of apprentices from ALL OTHER apprenticeship committees in the project area in order to fulfill this requirement.
 - v. Contractor should maintain and submit proof (when requested) of its DAS-142 submittal to the apprenticeship committees (e.g. fax transmittal confirmation). A Contractor has met its requirement to employ apprentices only after it has successfully made a dispatch request to all apprenticeship programs in the project area.
 - vi. Only “registered” apprentices may be paid the prevailing apprentice rates and must, at all times work under the supervision of a Journeyman (Cal. Code Regs., tit 8, § 230.1).
- c. Make Training Fund Contributions
- i. Contractors performing in apprenticeable crafts on public works projects, must make training fund contributions in the amount established in the prevailing wage rate publication for journeymen and apprentices.
 - ii. Contractors may use the “CAC-2” form for submittal of their training fund contributions.
 - iii. Contractors who do not submit their training fund contributions to an approved apprenticeship training program must submit their contributions to the California Apprenticeship Council (CAC), PO Box 420603, San Francisco, CA 94142-0603.
 - iv. Training fund contributions to the CAC are due and payable on the 15th day of the month for work performed during the preceding month.
 - v. The “training” contribution amount identified on the prevailing wage determination shall not be paid to the worker, unless the worker falls within one of the exemption categories listed below.

3. Exemptions to Apprenticeship Requirements:

- a. The following are exempt from having to comply with California apprenticeship requirements. These types of contractors do not need to submit a DAS-140, DAS-142, make training fund contributions, or utilize apprentices:
 - i. When the Contractor holds a sole proprietor license (“Owner-Operator”) and no workers were employed by the Contractor. In other words, the contractor performed the entire work from start to finish and worked alone.

- ii. Contractors performing in non-apprenticeable crafts. "Apprenticeable" crafts are denoted with a pound symbol "#" in front of the craft name on the prevailing wage determination.
- iii. When the Contractor has a direct contract with the Public Agency that is under \$30,000.
- iv. When the project is 100% federally-funded and the funding of the project does not contain any city, county, and/or state monies (unless the project is administered by a state agency in which case the apprenticeship requirements apply).
- v. When the project is a private project not covered by the definition of public works as found in Labor Code section 1720.

4. Exemption from Apprenticeship Ratios:

- a. The Joint Apprenticeship Committee shall have the discretion to grant a certificate, which shall be subject to the approval of the Administrator of Apprenticeship, exempting the Contractor from the 1-to-5 ratio set forth in this Section when it finds that any one of the following conditions are met:
 - i. Unemployment for the previous three-month period in such area exceeds an average of fifteen percent (15%); or
 - ii. The number of apprentices in training in such area exceeds a ratio of 1-to-5 in relation to journeymen; or
 - iii. The Apprenticeable Craft or Trade is replacing at least one-thirtieth (1/30) of its journeymen annually through apprenticeship training, either on a statewide basis or on a local basis; or
 - iv. If assignment of an apprentice to any work performed under the Contract Documents would create a condition which would jeopardize such apprentice's life or the life, safety or property of fellow employees or the public at large, or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyman.
- b. When such exemptions from the 1-to-5 ratio between apprentices and journeymen are granted to an organization which represents contractors in a specific trade on a local or statewide basis, the member contractors will not be required to submit individual applications for approval to local Joint Apprenticeship Committees, provided they are already covered by the local apprenticeship standards.

5. Contractor's Compliance:

- a. The responsibility of compliance with this Section for all Apprenticeable Trades or Crafts is solely and exclusively that of the Contractor. All decisions of the Joint Apprenticeship Committee(s) under this Section are subject to the provisions of California Labor Code section 3081 and penalties are pursuant to Labor Code section 1777.7 and the determination of the Labor Commissioner.