

WARNING: ALL INDIVIDUALS INTERESTED IN BIDDING ON THIS PROJECT MUST OBTAIN THE FINAL PLANS AND SPECIFICATIONS FROM THE DEPARTMENT MANAGING THE PROJECT OR AS OTHERWISE STATED IN THE ADVERTISEMENT FOR BIDS FOR THE PROJECT. DO NOT USE THE PLANS AND SPECIFICATIONS POSTED ON THE CLERK OF THE BOARD'S WEBSITE FOR BIDDING ON THIS PROJECT.

Will NOTICE TO BIDDERS AND SPECIAL PROVISIONS FOR CONSTRUCTION ON

CERES AVENUE AND OTHER ROADS

Various Roads

LENGTH: 19.3 Mi
WORK ORDER: H15155
AREA: Fontana
ROAD NO.: Various Roads

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

1. California Department of Transportation (Caltrans) 2015 Standard Specifications, including the Caltrans 2015 Revised Standard Specifications (Revisions through July 21, 2017), unless specified otherwise in these Special Provisions.
2. Caltrans Standard Plans dated 2015, including the 2015 Revised Standard Plans (Revisions through July 21, 2017), 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

CERES AVENUE AND OTHER ROADS

Various Roads

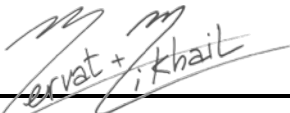
LENGTH: 19.3 Mi
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have been recommended for approval under the direction of the following:



Brendon Biggs, P.E.
Director of Public Works

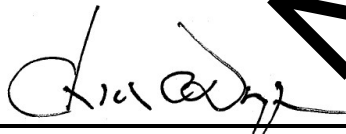
Date: 7/17/2023



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

Date: 7/27/2023

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



Chris Nguyen, P.E.
Engineering Manager, Transportation Design Date: 07/24/2023



Jeremy Johnson, P.E.
Engineering Manager, Traffic Division Date: 07/27/2023



TABLE OF CONTENTS

Notice to Bidders	NB-1
Special Provisions	SP-1

DIVISION I GENERAL PROVISIONS

Section 1.	General	SP-1
Section 2.	Bidding	SP-4
Section 3.	Contract Award and Execution	SP-8
Section 4.	Scope of Work	SP-15
Section 5.	Control of Work	SP-17
Section 6.	Control of Materials	SP-23
Section 7.	Legal Relations and Responsibility to the Public	SP-27
Section 8.	Progress Schedule	SP-41
Section 9.	Payment	SP-43

DIVISION II GENERAL CONSTRUCTION

Section 10.	General.....	SP-46
Permits and Agreements.....	Brown Pages	
Standard and Special Drawings	Green Pages	
Proposal.....	P-1	
Contract (with attachments).....	1 of 14	

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) All bidders are required to register with 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/epro/> (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 in person at the San Bernardino County Department of Public Works at which time they will be transmitted, publicly opened and declared via video and teleconference via gotd.com using meeting ID 434-769-549. See the flyer available under the bid posting on ePRO for further login information for the following project:

VERES AVENUE AND OTHER ROADS
Various Roads

LENGTH: 19.3 Mi

W.O.: H15155

AREA: Fontana

ROAD NO.: Various Roads

The work, in general, consists of slurry seal - type II, crack seal, chip seal, mill and overlay; curb and gutter replacement; sidewalk repair; traffic striping and pavement markings and doing other work appurtenant thereto.

This project requires a **Class A or C12** 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/epro/>. 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. Caltrans 2015 Standard Specifications, including the Caltrans 2015 Revised Standard Specifications (Revisions through July 21, 2017), unless specified otherwise in these Special Provisions.
2. Caltrans Standard Plans dated 2015, including the 2015 Revised Standard Plans (Revisions through July 21, 2017), 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/bso>

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 hereafter 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.)

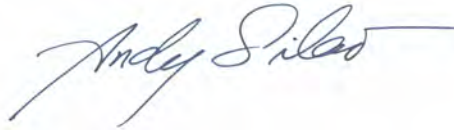
(Applicable only to Contracts of One Million Dollars (\$1,000,000) or More): In accordance with Public Contract Code section 2204(a), the bidder certifies that at the time the bid is submitted, the bidder signing the bid is not identified on a list created pursuant to subdivision (b) of Public Contract Code section 2202 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.

BRENDON BIGGS, P.E., DIRECTOR
DEPARTMENT OF PUBLIC WORKS



By:
ANDY SILAO, P.E., Chief
Contracts Division

DATE: _____

NOT FOR BID

**SAN BERNARDINO COUNTY
SPECIAL PROVISIONS FOR CONSTRUCTION ON
CERES AVENUE AND OTHER ROADS
Various Roads**

LENGTH: 19.3 Mi
WORK ORDER: H15155
AREA: Fontana
ROAD NO.: Various Roads

ORGANIZATION

Special provisions are under headings that correspond with the main-section headings of the Caltrans 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.

**DIVISION I GENERAL PROVISIONS
1 GENERAL**

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) Caltrans 2015 Standard Specifications, including the Caltrans 2015 Revised Standard Specifications (Revisions through July 21, 2017), unless specified otherwise in these Special Provisions.
- 2) Caltrans Standard Plans dated 2015, including the 2015 Revised Standard Plans (Revisions through July 21, 2017), unless specified otherwise in these Special Provisions; and
- 3) Project Plans and these Special Provisions; and
- 4) The Contract; and
- 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, "Glossary":

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

1. Department – The 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 - The San Bernardino County.
8. Awarding Authority or Department - Means the County Board of Supervisors or any department or special district recommending to the Purchasing Agent or the County Board that a contract be awarded.

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 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 table:

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 19th
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.

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) 300-3046. 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 San Bernardino County.

- 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, 92415-0659. 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.

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 20608.5 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 with either 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.

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, "CONFLICT OF INTEREST," which reads:

3-1.20 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 3-1.21, "FORMER COUNTY OFFICIALS," which reads:

3-1.21 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 non-responsive.

Add section 3-1.22, "SAN BERNARDINO COUNTY EQUAL EMPLOYMENT OPPORTUNITY PROGRAM," which reads:

3-1.22 SAN BERNARDINO COUNTY EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

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.

Add section 3-1.23, "REFERENCE CHECKS," which reads

3-1.23 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 3-1.23, "IRAN CONTRACTING ACT OF 2010," which reads:

3-1.23 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 slurry seal - type II, crack seal, chip seal, mill and overlay; curb and gutter replacement; sidewalk repair; traffic striping and pavement markings 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 apply only to that portion in excess of 125 percent of original

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, 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, 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.

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”:

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: conductors of petroleum products, oxygen, chlorine, and toxic or flammable gases; natural gas in pipelines greater than 6 inches in diameter or pipelines operating at pressures greater than 60 psi (gage); underground electric supply system conductors or cables, with potential to ground of more than 300 volts, 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 other obstructions as follows:

AGENCY CONTACTS

The following utility/municipal agencies have facilities within the limits of the subject project:

<u>AGENCY</u>	<u>CONTACT</u>	<u>ADDRESS / PHONE / CELL</u>
AT&T - Transmission	Joseph Forkert joef@forkertengineering.com	22311 Brookhurst St. Suite 203 Huntington Beach, CA 92646 (714) 963-7964

City of San Bernardino Public Works	Alex Qishta Qishta_al@sbcity.org	300 N D St. San Bernardino, CA 92418 (909) 384-5111
Crown Castle	Jesse Ibarra Jesse.ibarra@crowncastle.com	1500 Corporate Dr. Canonsburg, PA 15317 (724) 743-6085
East Valley Water District	Jason Wolf Jwolf@eastvalley.org	31111 Greenspot Rd. Highland, CA 92346 (909) 888-8986
Frontier Communications	Ray Roundtree ray.roundtree@ftr.com	32477 Haun Road Menifee, CA 92584 (714) 375-6760 Emergency: (800) 921-8101
HP Communications	Patricia Garcia Patricia.garcia@hpcomminc.com Juan Pulido Juan.pulido@hpcomminc.com	8440 Cottonwood Ave. Fontana, CA 92335 (951) 603-6651
MCI (Verizon Business)	Matt Bergine Matt.bergine@verizon.com	18850 Orange St., Bldg. A Bloomington, CA 92316 (949) 417-7841
San Bernardino Municipal Water Department	Robert Lindberg robert.lindberg@sbmwd.org Warren Huang engineering@sbmwd.org	399 Chandler Pl. San Bernardino, CA 92408 (909) 453-6175
San Bernardino Valley Municipal Water District	Wen Huang wenh@sbvmwd.com	380 E Vanderbilt Way San Bernardino, CA 92408 (909) 387-9223
San Manuel Band of Mission Indians	Josh Herbert Josh.herbert@sanmanuel-nsn.gov	101 Pure Water Ln. Highland, CA 92346 (909) 725-4875
Southern California Edison	Jeff Hudson Jeffrey.hudson@sce.com	7951 Redwood Avenue Fontana, CA 92336 (909) 357-6523 Emergency: (800) 611-1911

Southern California Gas	David Castellanos dcastellanos@socalgas.com	1981 W Lugonia Ave. Redlands, CA 92374 (909) 335-7508 Emergency: (800) 427-2200
Spectrum	James Mock James.mock@charter.com	7337 Central Ave. Riverside, CA 92504 (951) 406-1627

The initial written utility notification and preliminary plans were sent to utility agencies on September 1, 2022, and contact has continued at various times since.

UTILITY RELOCATIONS

The following utilities will be relocated:

<u>AGENCY</u>	<u>APPROXIMATE LOCATION</u>	<u>DETAILS</u>
Any Agency	Throughout Project	If necessary, Contractor shall provide 2 working day window, per agency, during construction for unforeseen conflicts requiring relocation. Any unused days may be used by another agency, if necessary.

UTILITY PROTECTION

Protection of the following utility facilities will require coordination with the contractor's operations:

<u>AGENCY</u>	<u>APPROXIMATE LOCATION</u>	<u>DETAILS</u>
AT&T	Overhead and underground facilities and other appurtenant structures located throughout project limits	Contractor to locate and protect in place
City of San Bernardino Public Works	Sewer lines, manholes, and other appurtenant structures located throughout project limits	Contractor to locate and protect in place
Crown Castle	Overhead and underground facilities and other appurtenant structures located throughout project limits	Contractor to locate and protect in place
East Valley Water	Water lines, irrigation lines,	Contractor to locate and

	valve cans, fire hydrants, and other appurtenant structures located throughout project limits	protect in place
Frontier Communications	Overhead and underground facilities and other appurtenant structures located throughout project limits	Contractor to locate and protect in place
HP Communications	Overhead and underground facilities and other appurtenant structures located throughout project limits	Contractor to locate and protect in place
MCI (Verizon Business)	Overhead and underground facilities and other appurtenant structures located throughout project limits	Contractor to locate and protect in place
San Bernardino Municipal Water Department	Water lines, irrigation lines, valve cans, fire hydrants, and other appurtenant structures located throughout project limits	- Contractor to locate and protect in place - Contractor to adjust valve cans to final grade, if adjustable
San Bernardino Valley Municipal Water District	Water lines, irrigation lines, valve cans, fire hydrants, and other appurtenant structures located throughout project limits	- Contractor to locate and protect in place - Contractor to adjust valve cans to final grade, if adjustable
San Manuel Band of Mission Indians	Water lines, irrigation lines, valve cans, and other appurtenant structures located throughout project limits	- Contractor to locate and protect in place - Contractor to adjust valve cans to final grade, if adjustable
Southern California Edison	Overhead and underground facilities and other appurtenant structures located throughout project limits	Contractor to locate and protect in place
Southern California Gas	Gas cans, valve cans, and other appurtenant structures located throughout project limits	- Contractor to locate and protect in place - Contractor to adjust valve cans to final grade, if adjustable
Spectrum	Overhead and underground facilities and other appurtenant structures located throughout project limits	Contractor to locate and protect in place

HIGH RISK UTILITIES

The following utility facilities are “HIGH RISK” facilities:

<u>AGENCY</u>	<u>LOCATION</u>	<u>DESCRIPTION</u>
n/a	• n/a	• n/a

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.

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.

Throughout the project, utility poles, fire hydrants, water meters, gas meters, water valves and gas valves will be located in the construction area. If applicable, the Contractor shall perform his grading operations around these and construct embankment using pneumatic tampers to achieve the required compaction.

The Contractor shall protect existing manholes in place and costs therefor shall be considered as included in the prices paid for pulverization, milling, removal of existing pavement, etc. No prior arrangements have been made with utility owners to lower, raise, or otherwise adjust existing manholes. It is the Contractor's responsibility to make such arrangements and adjustments, at no additional cost to the Department. Where utility owners do not participate in such arrangements, and finished grade of proposed pavement is above existing manholes, said manholes shall be marked and paved over.

The Contractor shall protect existing valve cans in place and adjust those that are adjustable to finished grade during paving operations. The Contractor shall be solely responsible for coordinating valve can adjustments with utility owners, at no additional cost to the Department. Where valve cans cannot be adjusted, and utility owners do not participate in coordinating adjustments, and finished grade is above existing valve cans, said valve cans shall be marked and paved over.

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.

Existing guideposts (paddles) that interfere with construction shall be removed and disposed of.

All existing sprinklers in conflict with construction shall be relocated, removed and/or capped to clear construction.

If required during construction operations, existing mailboxes shall be moved as necessary to clear the way for the Contractor's operations, but at all times shall be accessible for delivery. During construction the mailboxes shall either be installed on posts set in the ground or they may be installed on temporary supports approved by the Engineer.

The space around the posts and post concrete anchors shall be backfilled with suitable earthy material. The backfill material shall be placed in layers approximately 0.33 foot thick and each layer shall be moistened and thoroughly compacted to a relative compaction of not less than 90 percent.

The face of mailbox shall be within 0 to 6 inches from face of curb, asphalt concrete dike or edge of pavement.

Surplus removed materials shall be disposed of outside the highway right-of-way in accordance with Section 14-10, "Solid Waste Disposal and Recycling" of the Standard Specifications. Attention is directed to prevailing wage provisions pertaining to hauling "trash" and/or "recyclable" materials.

Contractor shall salvage and reuse existing mailboxes, newspaper boxes, posts and mounts.

When construction is complete the mailboxes shall be installed in final position and posts shall be in a buried concrete anchor of minor concrete or commercially available posthole concrete not less than 6 inches in width from the outside of post and 1.5 feet in depth from the finished ground surface.

Contractor shall replace in kind existing mailboxes. Existing newspaper boxes, posts and mounts shall be salvaged and reused.

New mailboxes shall be fastened to the existing posts and mounts.

Replaced existing mailboxes shall become the property of the Contractor and shall be disposed of.

When construction is complete the mailboxes shall be installed in final position and posts shall be in a buried concrete anchor of minor concrete or commercially available posthole concrete not less than 6 inches in width from the outside of post and 1.5 feet in depth from the finished ground surface.

Contractor shall replace in kind existing mailboxes, newspaper boxes, posts and mounts.

Replaced existing mailboxes, newspaper boxes, posts and mounts shall become the property of the Contractor and shall be disposed of.

When construction is complete the mailboxes shall be installed in final position and posts shall be in a buried concrete anchor of minor concrete or commercially available

posthole concrete not less than 6 inches in width from the outside of post and 1.5 feet in depth from the finished ground surface.

The contract unit price paid to remove and cap sprinklers shall be included in the **various contract items of work** and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work necessary in relocating the sprinklers, complete in place, and disposing of surplus material and no additional compensation will be allowed therefor.

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 anticipated work within the scope of the project.

Supplemental Work - Utilities consists of rearranging the (currently none). If other necessary underground infrastructure rearrangement is not described in the Contract, the Engineer may order you to perform the work. This other rearrangement is change order work.

The exact location and depth of the (currently none) is not known. It is anticipated that (currently none) may be damaged by Contractor's operations.

Additional work falling within the scope and character of the existing contract items is considered as normal to the progress of construction and is addressed under section 4-1.05, "Changes and Extra Work," of the Standard Specifications.

If the Contractor is delayed in the completion of the contract work as a direct result of the work described under Supplemental Work - Utilities, Contractor must submit a request for information (RFI) to request a delay-related time adjustment. The County may make a time adjustment under Section 8-1.07B, "Time Adjustments," of the Standard Specifications. The County does not make a payment adjustment for delays in the completion of the contract work as a direct result of the work described under Supplemental Work – Utilities.

Payment for Supplemental Work – Utilities is calculated under section 9-1.04, "Force Account," of the Standard Specifications and is cumulative over the duration of the contract.

Bidders must include the Contract Amount printed on the Bid Sheet in the proposal for "Supplemental Work - Utilities" as their bid for this contract item. The amount shown is purely arbitrary and no guarantee is given or implied that any payments will be made.

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.

Replace section 5-1.43E, “Alternative Dispute Resolution,” with the following:

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, San Bernardino County, San Bernardino District.

6 CONTROL OF MATERIALS

Delete section 6-1.04, "BUY AMERICA."

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.

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 - 12801281 Series with Reflexite PC-1000 Sheeting

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-PL)
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

Duraflex Corp. "Railrider"

REFLECTIVE SHEETING FOR TEMPORARY CHANNELIZERS, DELINEATORS AND TRAFFIC CONES

3M High Intensity
Reflexite PC 1000 (Metalized Polycarbonate)
Reflexite AP-1000 (Metalized Polyester)
Seibulite ULG (Ultralite Grade)

SIGNING MATERIALS –The following Retro-reflective Sheeting Materials are Acceptable for use on County Maintained Road System Signs:

Regulatory Signs (Exclude STOP signs and Parking Signs):

T6500, ASTM D 4956-01, Type IV.

Stop Signs:

DG3, ASTM D 4956-09, Type XI.

Warning Signs (Exclude School Signs):

T6501, ASTM D 4956-01, Type IV.

School Warning Signs:

FYG, ASTM D 4956-01, Type IX.

Guide Signs:

T6501, ASTM D 4956-01, Type IV.

Construction Signs:

FDG, ASTM D 4956-01, Type IX.

Signs Utilizing Super Engineering Grade (e.g. No Parking Sign):

ASTM D 4956-01, Type II

Signs Utilizing Engineering Grade:

ASTM D 4956-01, Type I

SIGNING MATERIALS LEGEND:

ASTM = American Standard for Testing Materials

DG = Diamond Grade

LDP = Long Distance Performance

FDG = Fluorescent Diamond Grade

FYG = Fluorescent Yellow Green

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 paragraph 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 Contractor shall post the general prevailing wage rates at a prominent place at the job site (Labor Code section 1773.2).

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 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 253.1.

(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 hour 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/>.

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.

Failure to meet the requirements above will subject the contractor to sanctions/withholding of contract payments as allowed by law for any delinquent or inadequate certified payroll records. Payroll violations are required to be reported to the State of California and/or federal government.

Add the following paragraph to section 7-1.02K (5), "Working Hours":

The normal construction working hours are 7:00 A.M. to 4:00 P.M., Monday through Friday, excluding holidays. The Contractor must request and receive prior written approval (at least 24 hours in advance) from the Engineer to work beyond or outside of these normal working hours. If the Contractor works beyond or outside of these normal working hours without requesting and receiving prior written approval from the Engineer, then any overtime or other costs incurred by the County (for example, County inspector costs) resulting from the Contractor's working beyond or outside of these normal working hours may be deducted from the progress payments that are due the Contractor. The County's decision to approve or disapprove the Contractor working beyond or outside of the normal working hours is at the sole discretion of the Engineer.

Replace items 1, 3 and 4 in the list in the 2nd 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 excavation 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

Add the following sentences to the 17th paragraph of section 7-1.04, "PUBLIC SAFETY":

Do not move or temporarily suspend anything over pedestrians unless the pedestrians are protected. The Contractor must furnish, erect and maintain those fences, Type K temporary railing, barricades, lights, signs and other devices and take such other protective measures that are necessary to prevent accidents or damage or injury to the

public, especially pedestrians who travel through the work zone area. Where no other means of pedestrian passage through construction area is available, the Contractor must provide detours for pedestrian travel. A drawing of the proposed pedestrian detour with all signage, barricades, fencing, delineators, etc. as necessary for safe pedestrian travel through or around the work zone area must be submitted to the Engineer as part of the Traffic Control Plan as specified in the Traffic Control System section of these Special Provisions.

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.

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.”

Delete section 7-1.11, “FEDERAL LAWS FOR FEDERAL AID CONTRACTS.”

AA

NOT FOR BID

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
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 Pollution Control Plan (WPCP)
9. All other required environmental submittals.
10. Approved Traffic Control Plan
11. Valid proof of approved permits, 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 the Notice to Proceed with Construction. 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

(100)

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 SEVEN HUNDRED DOLLARS (\$6,700) PER DAY

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

AA

9 PAYMENT

Replace section 9-1.02C, “Final Pay Item Quantities,” with:

9-1.02C Final Pay Items

When an item of work is designated as (F) or (S-F) in the Bid Sheet, **the estimated quantity for that item of work shall be the final pay quantity**, unless the dimensions of any portion of that item are revised by the Engineer, for the item or any portion of the item is eliminated. If the dimensions of any portion of the item are revised, and the revisions result in an increase or decrease in the estimated quantity of that item of work, the final pay quantity for the item will be revised in the amount represented by the changes in the dimensions, except as otherwise provided for minor structures in Section 51-7.01D, “Payment.” If a final pay item is eliminated, the estimated quantity for the item will be eliminated. If a portion of a final pay item is eliminated, the final pay quantity will be revised in the amount represented by the eliminated portion of the item of work.

Delete Section 9-1.02D, “Quantities of Aggregate and Other Roadway Materials.”

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

Replace the reference in the 16th paragraph to “Pub Cont Code §§ 10262 and 10262.5” in section 9-1.03, “PAYMENT SCOPE,” with “Business and Professions Code section 7108.5.”

**Delete section 9-1.07 "PAYMENT ADJUSTMENTS FOR PRICE INDEX
FLUCTUATIONS."**

Add the following paragraphs to section 9-1.16, "PROGRESS PAYMENTS":

PAYMENTS – Attention is directed to the provisions in this Section 9-1.16, "Progress Payments," and Section 9-1.16E, "Withholds," of the Standard Specifications and these Special Provisions.

County 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 County will retain **5%** of the payments made to Contractor and total retention proceeds withheld by County shall not exceed **5%** of the contract price. However, this limitation does not apply to amounts retained by County 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 County Auditor will issue a warrant for the withheld funds.

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.

Contractor may upon written request, and at their 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 insure performance.

Partial payment for materials that are furnished but are not incorporated in the work may be made to the Contractor at the sole discretion of the Engineer.

The provisions of Public Contract Code section 20104.50, cited immediately below and at the end of these Special Provisions, 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.

Delete the 2nd sentence in section 9-1.16D(1), "General."

Delete reference to "Pub Cont Code § 10261.5" in section 9-1.16E(1), "General."

Replace "may" with "shall" in the 1st sentence of section 9-1.16E(4), "Stop Notice Withholds."

Delete section 9-1.16F, "Retentions."

Replace 9-1.17D(1), "General," with:

9-1.17D(1) Final Payment and Claims - After acceptance by the Director, the 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 County 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 County will pay the sum so found to be due. Such semifinal estimate 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 County at its discretion.

Any costs or expenses incurred by the County 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 County within the meaning of the California False Claims Act.

Delete section 9-1.17D(2)(a), "General."

Replace the 6th paragraph in section 9-1.17D(3) with:

Failure to comply with the claim procedures described in the Contract Documents is a bar to pursue the claim in a court of law.

Replace "30" with "31" in the 1st sentence of section 9-1.17(D)(1), "General."

Delete section 9-1.22, "Arbitration," in its entirety and replace with the following:

9-1.22 CIVIL ACTION

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

DIVISION II – GENERAL CONSTRUCTION

10-1.01 ORDER OF WORK

Order of work shall conform to the provisions in Section 8, "Prosecution and Progress," of the Standard Specifications and these Special Provisions.

First Order of Work - The Contractor shall obtain the encroachment permits from the City of Fontana. The City named herein do not authorize work within their respective jurisdiction without a permit.

Second Order of Work: The Contractor shall set up Portable Changeable Message Signs at the locations specified in these Special Provisions and as designated by the Engineer.

Attention is directed to section “Portable Changeable Message Signs” elsewhere in these special provisions.

Third Order of Work - The Contractor shall request the County Surveyors to conduct a monument review survey to facilitate preservation of existing monuments. The survey shall be requested at least two (2) weeks in advance of work to be performed.

Fourth Order of Work - The Contractor shall post advance notice signs for sidewalk closures at least two (2) days prior to the closure dates at ramp closure locations as stipulated in the Special Conditions of the Traffic Control System section elsewhere in these Special Provisions. Signs shall advise pedestrians of anticipated closure dates. Contractor shall provide safe alternate pedestrian travel routes during ramp closures.

Fifth Order of Work – Prior to the start of construction, the Contractor shall coordinate with the Engineer and Environmental Management Division (EMD) for the approval of construction staging area per Section, “Environmental Mitigation Measures” of these Special Provisions. If approved staging area is outside of existing road right-of-way, Contractor shall be required to submit construction staging agreement with property owner to the Engineer.

Sixth Order of Work: The Contractor shall take all necessary measurements and photos of all existing traffic control devices within the project limits including all traffic stripes, pavement markings, and surface mounted channelizers prior to removal. The purpose for measurements and photos is to establish a record of existing traffic control devices, this record will be used for repainting traffic stripes, pavement markings, and reinstalling surface mounted channelizers. The Traffic Stripes, pavement markings, and surface mounted channelizers shall be repainted or installed as directed by the Engineer and per the “Paint Traffic Stripes and Pavement Markings” and “Markers and Delineators” section of these Special Provisions.

Seventh Order of Work - The Contractor shall submit a Construction Phasing Plan for the entire project limits detailing the proposed construction and staging for approval by the Engineer at least two weeks (10 working days) prior to the start of construction.

Eight Order of Work - The Contractor shall submit for approval their Quality Control Plan which outlines the testing for the entire project and must include a paving plan which outlines the equipment used, Construction Phasing Plan as well as testing in the field and at the plant. The Quality Control Plan must conform to the Caltrans 2018 Standard Specifications and the County QAP as well as any additional requirements ordered by the Engineer.

Attention is directed to sections “Public Safety”, “Traffic Control System”, “Portable Changeable Message Signs”, “Survey Monuments”, “Environmental Mitigation Measures”, “Traffic Stripes and Pavement Markings”, “Markers and Delineators” and “Coordination” elsewhere in these Special Provisions.

Full compensation for conforming to the requirements of this section, including any additional mobilizing or demobilizing costs, other work or labor, materials, tools,

equipment, and incidentals, not otherwise provided for, shall be considered as included in the prices paid for various items of work and no additional compensation will be allowed therefore.

10-1.02 SUPPLEMENTAL WORK (UNFORESEEN DIFFERING SITE CONDITIONS AND UTILITY CONFLICTS)

This work shall consist of extra work, related to specified items of work, necessary to address unforeseen conditions of position, location, and/or dimensions of existing underground and/or surface improvements, including utilities. Additionally, extra work related to unforeseen subgrade soil condition where cold plane (also known as milling or header cut) operation occurs at either travel lanes or shoulder areas; and unknown areas of coverage for pothole repairs, cracks sealing and pavement patching. All these unforeseen conditions not specifically covered by contract items, but determined by the Engineer to be necessary to the completion of specified construction within the functional range, scope, and intent of the contract.

The Engineer has the sole discretion to accept or reject any such extra work as stipulated-below.

SUBGRADE STABILIZATION

If in the event, yielding or unfirmed subgrade soil condition were discovered in some or specific streets during the milling operation, the work shall be suspended temporarily and the Contractor shall notify the Engineer immediately. The Engineer shall investigate, assess, evaluate and determine as to whether extra work is required to address the subgrade condition. If determined by the Engineer that extra work is required, Contractor shall submit to the Engineer for his approval the best possible solution or alternative solution to stabilize the subgrade.

Prior to milling, the Contractor shall identify and mark any damaged section of the existing asphalt concrete dike or berm, concrete curb and gutter within the project limit. The Contractor shall notify the Engineer and the latter shall determine if repair or reconstruction is necessary. The payment for the repair or reconstruction of any damaged asphalt concrete dike or berm, concrete curb and gutter shall be considered as included in the **various items of work** and no separate payment will be allowed therefor.

The Contractor shall protect the existing asphalt concrete dike or berm, concrete curb and gutter or gutter face when milling (or header cut) at all times. If in the event and due to Contractor's negligence while operating the milling machine in the process, the existing asphalt concrete dike or berm, concrete curb and gutter or gutter face starts to fail, crumble, break or shutter easily, the Contractor shall immediately repair and reconstruct the damage section of the curb and gutter and expenses thereof shall be borne by the Contractor.

Attention is directed to section, Miscellaneous Concrete Construction, elsewhere in these special provisions.

UTILITY CONFLICT

Extra work to address subsurface or latent physical conditions that differ materially from those indicated in the contract; or unknown physical conditions of an unusual nature, differing from those initially encountered and generally recognized as inherent in the work provided for in the contract will be addressed in accordance with Section 4-1.06, "Differing Site Conditions (23 CFR 635 109)" of the Standard Specifications.

Due to unforeseen event, milling operation or pavement rehabilitation, there are number of existing manholes, water valves or electrical vault or conduits that maybe covered currently with asphalt pavement located along any of the roads as shown on the Location Map elsewhere in these Special Provisions requiring extra work to repair or replace in kind, expose and adjust said utilities to finished grade as directed by the Engineer. However, Contractor shall coordinate with the utility agency or agencies prior to any work.

PAVEMENT PATCHING IN EXISTING ASPHALT SURFACING

As directed by the Engineer, this extra work consists of pothole repairs, pavement patching at the following roads, as listed under the Road Table found elsewhere in these Special Provisions, namely: **Carmel Drive, El Molino Street, Granada Avenue, Granada Court, Kiwi Avenue, Hawthorn Avenue** respectively.

If in the event, this extra work is required and necessary at other roads other than those roads named-above, the Contractor shall notify the Engineer immediately. In turn, the Engineer shall make his final assessment, evaluation, determination and approval if found necessary to complete the project.

Pavement Patching

Use Hot Mix Asphalt for patching either 3/8" or #4 (whichever is available) to patch alligator areas and where existing AC surfacing is dilapidated. All patches require fog seal prior to applying the scrub seal. Scrub seal requires 5 days curing time prior to placing the Slurry. Contractor shall protect the gutter at all cost from scrub seal due to overspill.

Attention is directed to sections, "Earthwork", "Miscellaneous Concrete Construction" and "Asphalt Concrete Dike or Berm" elsewhere in these special provisions.

Additional work falling within the scope and character of the existing contract items shall be considered as normal to the progress of construction and shall be addressed in accordance with Section 4-1.05, "Changes and Extra Work", of the Standard Specifications.

If the Contractor is delayed in the completion of the contract work as a direct result of the work described in this section, an extension of time as provided in the fifth paragraph of Section 8-1.10, "Liquidated Damages" will be granted.

Compensation for work performed under this section, and calculated as prescribed in Section 9-1.04, "Force Account Payment", of the Standard Specifications will be cumulative over the duration of the contract.

Prospective bidders shall include the Contract Amount printed in the proposal for "Supplemental Work (Unforeseen Differing Site Conditions and Utility Conflicts)" as their bid for this contract item. The amount shown is purely arbitrary and no guarantee is given or implied that any payments will be made.

The contract price paid in force account for **Supplemental Work at Force Account (Unforeseen Differing Site Conditions and Utility Conflicts)** shall include full compensation for furnishing all labor, materials, tools, transportation equipment within the project, equipment and incidentals, and for doing all the work involved in mobilization as specified herein. No additional compensation will be allowed for additional mobilization / demobilization costs due to weather days or loss of production due to cold weather.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in developing, preparing, obtaining approval of, revising, amending, implementation and removal of the WPCP as specified in the Standard Specifications, the Handbook, and these special provisions, shall be included in the contract paid in force account for **Supplemental Work at Force Account (Unforeseen Differing Site Conditions and Utility Conflicts)** and no additional compensation will be allowed therefore.

10-1.03 WATER POLLUTION CONTROL PROGRAM (WPCP)

Water Pollution Control work shall conform to the provisions in Section 13-2, "Water Pollution Control Program," of the Standard Specifications, and these special provisions and the Construction Contractor's Guide and Specifications of the Caltrans Storm Water Quality Handbook (Handbook), and addenda thereto issued up to and including the date of advertisement of the project. The Handbooks may also be downloaded from the Storm Water Quality Manuals and Handbooks website at the following web site:

<http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm>

The Water Pollution Control Program template can be downloaded from the following web site:

<http://www.dot.ca.gov/hq/construc/stormwater/>

Areas where pollutant discharge must be eliminated shall include, but not be limited to, spoil and stockpile areas, all staging areas, and pulverized areas created in connection with work under this contract, whether or not said areas are within the delineated project limits.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in developing, preparing, obtaining approval of, revising, amending, implementation and removal of the WPCP as specified in the Standard Specifications, the Handbook, and these special provisions, shall be included in the contract price paid in lump sum for **Water Pollution Control Program** and no additional compensation will be allowed therefore.

This **Water Pollution Control Program** will be paid as percentage of total item based on development and approval of the WPCP (15%), weekly inspections reports (70% divided by number of weeks of project), and final documentation submittal (15%). Payment will be withheld for failure to submit weekly inspection forms and will not be retro-paid when submitted.

10-1.04 MOBILIZATION

Mobilization shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, supplies and incidentals to the project site; for the establishment of all offices, buildings and other facilities necessary for work on the project; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items on the project site.

Mobilization shall conform to the provisions in section 9-1.16D, "Mobilization," of the Standard Specifications.

The contract lump sum price paid for **Mobilization** shall include full compensation for furnishing all labor, materials, tools, transportation equipment within the project, equipment and incidentals, and for doing all the work involved in mobilization as specified herein. No additional compensation will be allowed for additional mobilization / demobilization costs due to weather days or loss of production due to cold weather.

10-1.05 ENVIRONMENTAL MITIGATION MEASURES

This work shall consist of furnishing all labor, materials, tools, equipment and incidentals; and performing all work necessary to comply with existing laws, codes, regulations, and/or permits related to Environmental Mitigation Measures and these special provisions. There are no permits required for this project.

Environmental Mitigation Measures must comply with section 5-1.20B "Permits, Licenses Agreements and Certifications," section 14-10, "Solid Waste Disposal and

Recycling” and section 14-11, “Hazardous Waste and Contamination” of the Standard Specifications.

Any additional permits as may be necessary due to activities outside of contractors control shall be obtained by the County at no expense to the contractor.

The Contractor shall comply with the following mitigation measures:

Biological Resources Evaluation

San Bernardino County Environmental Management Division (EMD) Ecological Resources Specialists (ERS) conducted a site visit and review of California Natural Diversity Database (CNDDBA). The site review indicates that the vegetation in the surrounding area is primarily ornamental landscape commonly found in residential areas of southern California. There is no native vegetation or habitat that could support any listed species found in the CNDDB, however, trees and shrubs located adjacent to the work areas could support various species of nesting birds.

Biological Resources Conditions

Due to the limited nature of the road work, ERS have determined that project related activities will not directly impact any sensitive habitat and/or species. The following general condition should be incorporated into project avoidance measures.

1. If work occurs during the nesting bird season (March 15 – September 1), a pre-construction nesting bird survey must be conducted no more than three days prior to the start of work, including all vegetation management activities.
2. If active nests are detected, appropriate avoidance buffers will be established and the nest(s) will be monitored as deemed appropriate by the biologist.
3. All trees will be surveyed prior to removal regardless of season.

Cultural Resources Evaluation

San Bernardino County Environmental Management Division Cultural Resources Specialists (CRS) conducted historical records search of the proposed project area in order to assess potential impacts to historical and cultural features, if any, within the project footprint. The entire project area has been heavily altered by residential construction, road construction, and routine maintenance, with private property immediately adjacent the edges of large portions of project roadways; it was determined that no historical or cultural features will be negatively impacted by the proposed project.

Cultural Resources Conditions

To ensure there are no impacts to historical or cultural resources, the following general conditions should be incorporated into project avoidance measures.

1. Should prehistoric or historic archaeological resources be encountered during construction, the evaluation of any such resource should proceed in accordance with all appropriate federal state, and local guidelines. Specifically, all work must be halted in the immediate vicinity of the cultural resource found until a qualified archaeologist can assess the significance of the resource.
2. If human remains are encountered during construction, then the San Bernardino County Coroner's Office MUST be contacted in accordance with state law within 24 hours of the find, and all work should be halted until a clearance is given by that office and any other agency involved. The Coroner's Office may be contacted at the Coroner's Division, County of San Bernardino, 175 S. Lena Road, San Bernardino, CA. Tel: (909) 387-2978.

ENVIRONMENTAL DETERMINATION

In compliance with the California Environmental Quality Act (CEQA), Environmental Management Division staff has reviewed the proposed project.

The Proposed Project qualifies for a Class 1 Categorical Exemption, "Existing Facilities" under Section 15301(c) of the CEQA guidelines. Class 1 consists of the "operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use." Class 1 (c) exemption is specific to "existing highways and streets, sidewalks, gutters, bicycle and pedestrian trails, and similar facilities." The project also qualifies for a Class 2 Categorical Exemption, "Replacement or reconstruction" under Section 15302(c) "Replacement or reconstruction of existing utility systems and or facilities involving negligible or no expansion of capacity."

General Conditions

1. All work, including equipment staging, will remain on paved areas. No new work outside disturbed areas or existing rights-of-way (i.e. existing shoulder-to-shoulder and/or curb-to-curb) will be performed without further environmental evaluations.
2. Material staging area shall be clearly delineated in order to keep equipment and trucks within existing paved areas. Further, project related vehicle access, maintenance activities, and equipment storage shall be restricted to established roads, designated access roads, maintenance right-of-ways, and designated storage, staging, and parking areas. Off-road traffic outside of these designated areas shall be prohibited.
3. Standard best management practices shall be implemented during all maintenance activities, especially those pertaining to dust control, erosion control, and

stormwater pollution prevention. If equipment is parked overnight then a drip pan, or some other form of protection, shall be placed under the vehicle in order to contain any drips, leaks, and or spills. All food and maintenance trash shall be removed from the site daily. Please contact EMD, at (909) 387-7897, with any questions.

Full compensation for conforming to the requirements of this section, not otherwise provided for, including furnishing all labor, materials, tools, equipment and incidentals, and for doing all the 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.

10-1.06 PUBLIC SAFETY

The Contractor shall provide for the safety of traffic and the public in conformance with the provisions in Section 7-1.04, "Public Safety," of the Standard Specifications and these special provisions.

The Contractor shall furnish, erect and maintain those fences, temporary railing (Type K), barricades, lights, signs and other devices and take such other protective measures that are necessary to prevent accidents or damage or injury to the public, especially pedestrians who travel through the work zone area. Where no other means of pedestrian passage through construction areas is available, the Contractor shall provide detours for pedestrian travel.

When applicable, the California MUTCD latest edition Figure 6H-28 "Sidewalk Detour or Diversion" Typical Application 28 and Figure 6H-29 "Crosswalk Closures and Pedestrian Detours" Typical Application 29 as included in the green sheets may be used and referenced as part of the project's Traffic Control Plan.

If above referenced CA MUTCD typical applications are deviated from due to project field conditions, or as required by the engineer, the Contractor shall prepare a pedestrian traffic control plan and submit to the Engineer for review and approval. The pedestrian traffic control plan shall detail any pedestrian detour with all signage, barricades, fencing, delineators, etc. as necessary for safe pedestrian travel through or around the work zone area in conformance with the California Manual on Uniform Traffic Control Devices (CA MUTCD) – Part 6 (latest edition) - Temporary Traffic Control sections 6D.01 "Pedestrian Considerations" and section 6D.02 "Accessibility Considerations". Refer to additional Traffic Control Plan requirements as specified in the Traffic Control System section of these Special Provisions. Nothing in these Special Provisions is to be construed as to reduce the minimum standards in the CA MUTCD.

The Contractor shall install temporary railing (Type K) between a lane open to public traffic and an excavation, obstacle, or storage area when the following conditions exist:

- 1) Excavations – The near edge of the excavation is 15 feet or less from the edge of the lane, except:

- a) Excavations covered with sheet steel or concrete covers of adequate thickness to prevent accidental entry by traffic or the public.
 - b) Excavations less than 1 foot deep.
 - c) Trenches less than 1-foot wide for irrigation pipe or electrical conduit, or excavations less than 1-foot in diameter.
 - d) Excavations parallel to the lane for the purpose of pavement widening or reconstruction.
 - e) Excavations protected by side slopes, where the slope is equal to or less than 1:4 (vertical:horizontal)
 - f) Excavations protected by existing barrier or railing.
 - g) Excavations within temporary traffic control zones that do not extend beyond a single daylight period, for these zones alternative barrier systems should be considered.
- 2) Temporarily Unprotected Permanent Obstacles – The work includes the installation of a fixed obstacle together with a protective system, such as a sign structure together with protective railing and the Contractor elects to install the obstacle prior to installing the protective system; or the Contractor, for the Contractor's convenience and with permission of the Engineer, removes a portion of an existing protective railing at an obstacle and does not replace such railing complete in place during the same day.
- 3) Storage Areas – Material or equipment is stored within 12 feet of the lane and the storage is not otherwise prohibited by the provisions of the Standard Specifications and these special provisions.

The approach end of temporary railing (Type K), installed in conformance with the provisions in this section "Public Safety" and in Section 7-1.04, "Public Safety," of the Standard Specifications, shall be offset a minimum of 15.33 feet from the edge of the traffic lane open to public traffic. The temporary railing shall be installed on a skew toward the edge of the traffic lane of not more than 1-foot transversely to 10 feet longitudinally with respect to the edge of the traffic lane. If the 15.33 feet minimum offset cannot be achieved, the temporary railing shall be installed on the 10:1 skew to obtain the maximum available offset between the approach end of the railing and the edge of the traffic lane, and an array of temporary crash cushion modules shall be installed at the approach end of the temporary railing.

Temporary railing (Type K) shall conform to the provisions in Section 12-3.20, "Type K Temporary Railing," of the Standard Specifications. Temporary railing (Type K),

conforming to the details shown on Standard Plans T3A and T3B or approved equal by the Engineer may be used.

The sixth paragraph of Section 12-3.20C(1), "General," of the Standard Specifications is amended to read:

Install a reflector on the top or face of the rail of each rail unit placed within 10 feet of a traffic lane as directed by the Engineer. Apply adhesive for mounting the reflector under the reflector manufacturer's instructions.

Reflectors on temporary railing (Type K) shall conform to the provisions in "Approved Traffic Products" of these special provisions.

Temporary crash cushion modules shall conform to the provisions in "Temporary Crash Cushion Module" of these special provisions.

Except for installing, maintaining and removing traffic control devices, whenever work is performed or equipment is operated in the following work areas, the Contractor shall close the adjacent traffic lane unless otherwise provided in the Standard Specifications and these special provisions:

Approach speed of public traffic (Posted Limit mph)	Work Areas
Over 45 mph	Within 6 feet of a traffic lane but not on a traffic lane
35 to 45 mph	Within 3 feet of a traffic lane but not on a traffic lane

The lane closure provisions of this section shall not apply if the work area is protected by permanent, temporary railing, or barrier. When traffic cones or delineators are used to delineate a temporary edge of traffic lane, the line of cones or delineators shall be considered to be the edge of traffic lane, however, the Contractor shall not reduce the width of an existing lane to less than 11 feet without written approval from the Engineer.

When work is not in progress on trench or other excavation that requires closure of an adjacent lane, the traffic cones or portable delineators used for the lane closure shall be placed adjacent to the edge of the traveled way. The spacing of the cones or delineators shall be the same as specified for the lane closure.

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

The locations of temporary railing (Type K) shall be shown on Traffic Control Plans for review and approval by the Engineer. Attention is directed to the Traffic Control System section elsewhere in these special provisions.

Contractor may propose to the Engineer an alternative to the use of temporary railing (Type K) 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 "INDEMNIFICATION" of these Special Provisions.

Suspended loads or equipment shall not be moved nor positioned over public traffic or pedestrians.

Full compensation for conforming to the requirements of Section 7-1.04, "**Public Safety**," and the requirements of these special provisions, including furnishing all labor and installing temporary railing (Type K) and temporary crash cushion modules, shall be considered as included in the contract price paid for **Traffic Control System** and no additional compensation will be allowed therefore.

10-1.07 TRAFFIC CONTROL SYSTEM

A. GENERAL:

This work shall consist of all operations necessary to conduct construction operations in a safe manner relative to public traffic, and shall conform to the requirements in Section "Temporary Pavement Delineation" of these Special Provisions, and those in Section 7-1.03, "Public Convenience," Section 7-1.04, "Public Safety," and Section 12, "Temporary Traffic Control," of the Standard Specifications. Nothing in these Special Provisions shall be construed as relieving the Contractor from his responsibility as provided in said Section 7-1.04 of the Standard Specifications.

The requirements of this section, titled "General" shall apply to all projects except as modified below in Section B, "Special Conditions," or as otherwise approved by the Engineer.

Construction that interferes with public traffic shall be performed only between 7:00 A.M., and 4:00 P.M., except that which is required under Sections 7-1.03, "Public Convenience," and 7-1.04, "Public Safety," of the Standard Specifications, as modified below in Section B, or as approved by the Engineer.

The Contractor shall submit a Traffic Control Plan for the entire project limits, including intersections, detailing the proposed construction staging and traffic control for approval by the Engineer at least two weeks (10 working days) prior to the start of construction. The Traffic Control Plan shall not include any intersection closures or detours. The Traffic Control Plan shall comply with the California Manual on Uniform Traffic Control Devices (CA MUTCD) – Part 6 (latest edition) - Temporary Traffic Control. Nothing in these Special Provisions is to be construed as to reduce the minimum standards in the CA MUTCD.

When applicable, the 2015 Caltrans "Temporary Traffic Control Systems" Standard Plans as included in the green sheets may be used and referenced as part of the

project's Traffic Control Plan. A flashing arrow sign will be required on all lane closures and, if determined by the Engineer, will be required on shoulder closures as well.

When applicable, the Traffic Control Plan for shoulder closures may be as shown on the "Shoulder Closure" detail of Standard Plan RSP T10, in the List of Standard and Special Drawings (Green Pages). The spacing dimensions on the "Shoulder Closure" detail may be modified as determined by the Engineer. The traffic control plan for night time shoulder closures shall also include flashing beacons.

At any given time during active construction when the number of lanes is reduced from existing conditions for both directions of travel, active construction work zones shall be limited to the number of locations and delays to motorist in time as indicated below in section B or as determined by the Engineer.

Existing turn lanes for left and/or right turns, when present at intersections, shall remain open and operational; or when existing turn lanes are removed, temporary turn lanes shall be provided for turn movements.

If the Engineer determines that the Contractor's operations are resulting in unacceptable traffic delays, the Engineer reserves the right to implement alternate traffic plans. Specific details are as indicated below in section B unless otherwise directed by the Engineer.

The Contractor shall coordinate with local residents and businesses to provide ingress and egress for properties adjacent to the project for the convenience of local residents and businesses in carrying out their personal and business activities. Convenient access for mail, other delivery services, and trash services shall be included in the definition of "personal and business activities."

The Contractor shall prepare a "Notice to Residents," and distribute copies of said notice to properties that are adjacent to and / or are directly impacted by the project, as determined by the Engineer. The notice shall use the "Notice to Residents" template attached in the List of Standard and Special Drawings (Green Pages). The notice shall be placed on the door of said properties a minimum of seven (7) days before the Contractor begins work. The notice shall be in both English and Spanish (back side).

It is the Contractor's responsibility to have roads clear of interfering vehicles prior to the start of work and during work. The Contractor is responsible for notifying affected residents and businesses of the work schedule. Such notification would include placing notices (as stated above), making verbal contact, and furnishing and placing temporary "No Parking" signs 48 hours prior to the start of work, as well as notifying the California Highway Patrol 24 hours prior to such posting, such that interfering vehicles or objects may be towed or otherwise removed, if necessary. With regards to towing, the applicable County Code Sections are **52.0118, 52.0132, and 53.0801**.

Section 12-1.04, "Payment," of the Standard Specifications is superseded by the following:

The cost of furnishing all flaggers, including transporting flaggers to provide for passage of public traffic through the work under the provisions in Section 7-1.03, "Public Convenience," and Section 7-1.04, "Public Safety," of the Standard Specifications, and elsewhere in these Special Provisions, will be borne solely by the Contractor.

If determined by the Engineer that additional flaggers are required during construction activities, Contractor shall provide flaggers at no additional cost to the County.

The Contractor shall furnish, install, maintain, move, remove, and dispose of all signs, lights, flares, barricades, and other facilities for the convenience and safety of the public, as required by these Special Provisions and Section 7-1.03, Section 7-1.04, and Section 12 of the Standard Specifications.

If any component in the traffic control system is displaced, or ceases to operate or function as specified from any cause during the progress of the work, the Contractor shall immediately repair said component to its original condition or replace said component and shall restore the component to its original location.

When lane closures are made for work periods only, at the end of each work period, all components of the traffic control system, except portable delineators placed along open trenches or excavation adjacent to the traveled way shall be removed from the traveled way and shoulder. If the Contractor so elects, said components may be stored at selected central locations approved by the Engineer within limits of the highway right of way.

When temporary lane configuration changes are allowed to facilitate that day's construction activity, the Contractor, unless otherwise directed by the Engineer, shall restore lane configurations to pre-construction conditions at the end of the workday or during periods when active construction is not taking place.

B. SPECIAL CONDITIONS

I. During Construction Activities

Construction on Ceres Avenue and other Roads shall be performed on Monday through Friday only (7:00 A.M. to 4:00 P.M.) for the duration of the project.

In order to minimize impacts to school traffic, the Contractor is advised that working hours may need to be adjusted. The Contractor shall coordinate operating hours for construction activities jointly with the Engineer and Live Oak Elementary School. The point of contact for the schools can be found in Section 10-1.34 "Coordination" elsewhere in these Special Provisions.

The Contractor shall adhere to the operating hour restrictions as determined and as directed by the Engineer.

At any given time when the number of lanes on Ceres Avenue and other Roads are reduced to one lane for both directions of travel, construction work zones shall be limited to one location per street for both directions of travel and delays to motorists shall be limited to 10 minutes in time or as otherwise specified in these Special Provisions or approved by the Engineer.

Pedestrian safety: The Contractor shall provide passage for pedestrians through construction areas, or provide a detour where applicable. Work that interferes with existing sidewalks or crosswalks at intersections shall be conducted so as to minimize impacts to pedestrian traffic.

In cases where a detour or an alternate pedestrian access cannot be provided; the Contractor shall be allowed to close sidewalk ramp areas where approved by the Engineer. The Contractor shall post side walk closure signs at these ramp locations at least two weeks prior to the closure dates. Signs shall advise pedestrians of anticipated closure dates. Attention is also directed to the Public Safety section of these special provisions.

II. During Non-construction activities

On Ceres Avenue and other Roads, the Contractor must provide two 11-foot graded and compacted or paved lanes, one for each direction of travel for use by public traffic overnight and when construction operations are not actively in progress. The full width of a graded and compacted or paved traveled way shall be open for use by public traffic overnight and when construction operations are not actively in progress. The Contractor shall stage his construction operations accordingly in order to meet the above stated requirements.

The Contractor shall stage his construction operations accordingly in order to meet the above stated requirements.

Attention is also directed to "Order of Work," and "Public Safety," and "Permit" sections of these Special Provisions for traffic control requirements.

C. MEASUREMENT AND PAYMENT:

The contract lump sum price paid for **Traffic Control System** shall include full compensation for furnishing all labor, materials (including, but not limited to, all traffic control components), tools, equipment, and incidentals, and for doing all the work involved in placing, removing, storing, maintaining, moving to new locations, and replacing and disposing of the components of the traffic control system, as shown on the plans, and as specified in the Standard Specifications and these Special Provisions.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in furnishing, placing/installing, maintaining, relocating as necessary, removing and disposing of the advance warning signs (AWS)

including payment for permits, is included in the contract lump sum price paid for Traffic Control System, and no additional compensation will be allowed therefore.

Full compensation for conforming to the requirements of these Special Provisions and those in Section 7-1.03, "Public Convenience," Section 7-1.04, "Public Safety," and Section 12, "Temporary Traffic Control," of the Standard Specifications, including furnishing all labor, materials (including all traffic control components), tools, equipment, and incidentals, shall be considered as included in the contract lump sum price paid for Traffic Control System, and no additional compensation will be allowed therefore.

Full compensation for furnishing, erecting, maintaining, and removing any additional construction area signs and other traffic control components including AWS the Contractor may deem necessary shall be considered as included in the various contract items of work, and no additional compensation will be allowed therefor.

Full compensation for furnishing, installing, distributing, and removing the "Notice to Residents" shall be considered as included in the various contract items of work, and no additional compensation will be allowed therefore.

Full compensation for traffic control staging is included in the contract lump sum price paid for **Traffic Control System**, and no additional compensation will be allowed therefore.

The adjustment provisions in Section 9-1.03, "Changes and Extra Work," of the Standard Specifications, shall not apply to the item of Traffic Control System. Adjustments in compensation for traffic control components ordered by the Engineer beyond those called for in the referenced standards will be made as provided in Section 9-1.04, "Force Account," of the Standard Specifications. No adjustment will be made for decreases.

10-1.08 TEMPORARY PAVEMENT DELINEATION

This work, Temporary Pavement Delineation, shall consist of installing, maintaining, and removing temporary staging, pavement markings, channelizers, cones, and other devices necessary to the safe movement of public traffic through the project area and shall conform to the provisions in Section 12-6, "Temporary Pavement Delineation," of the Standard Specifications, the California Manual on Uniform Traffic Control Devices – part 6 (latest edition - published by the State Department of Transportation), and these Special Provisions. Nothing in these Special Provisions shall be construed as relieving the Contractor from its responsibility as provided in Section 7-1.04, "Public Safety," of the Standard Specifications.

It is recognized that some conditions may prevail under which the Contractor 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 shall fall within the Contractor's sole liability.

GENERAL - Whenever the work causes obliteration of pavement delineation, temporary or permanent pavement delineation shall be in place prior to opening the traveled way to public traffic. Lane line or centerline pavement delineation shall be provided at all times for traveled ways open to public traffic.

On multilane roadways, edge line delineation shall be provided at all times for traveled ways open to public traffic.

The Contractor shall perform all work necessary, including any required lines or marks, to establish the alignment of temporary pavement delineation. Surfaces to receive temporary pavement delineation shall be dry and free of dirt and loose material. Temporary pavement delineation shall not be applied over existing pavement delineation or other temporary pavement delineation. Temporary pavement delineation shall be maintained until superseded or replaced with a new pattern of temporary pavement delineation or permanent pavement delineation.

Temporary pavement markers and removable traffic type tape which conflicts with a new traffic pattern or which is applied to the final layer of surfacing or existing pavement to remain in place shall be removed when no longer required for the direction of public traffic, as determined by the Engineer.

TEMPORARY LANE LINE AND CENTERLINE DELINEATION - Whenever lane lines and centerlines are obliterated, the minimum lane line and centerline delineation to be provided shall be temporary reflective raised pavement markers. The spacing requirements for temporary pavement markers shall comply with CA MUTCD 2014, Section 6F.79, "Temporary Raised Pavement Markers". The temporary reflective raised pavement markers shall be the same color as the lane line or centerline the markers replace. Temporary reflective raised pavement markers shall be, at the option of the Contractor, one of the temporary pavement markers listed for short term day/night use (14 days or less) or long term day/night use (6 months or less) in "Prequalified and Tested Signing and Delineation Materials" elsewhere in these Special Provisions.

Temporary reflective raised pavement markers shall be placed in accordance with the manufacturer's instructions and shall be cemented to the surfacing with the adhesive recommended by the manufacturer, except epoxy adhesive shall not be used to place pavement markers in areas where removal of the markers will be required.

Temporary lane line or centerline delineation consisting entirely of temporary reflective raised pavement markers shall be used on lanes opened to public traffic for a maximum of 14 days. Prior to the end of the 14 days the permanent pavement delineation shall be placed. If the permanent pavement delineation is not placed within the 14 days, the Contractor shall provide, at his expense, additional temporary pavement delineation. The additional temporary pavement delineation to be provided shall be equivalent to the pattern specified for the permanent pavement delineation for the area, as determined by the Engineer.

Where "no passing" centerline pavement delineation is obliterated, the following "no passing" zone signing shall be installed prior to opening the lanes to public traffic. W20-

1 "ROAD WORK AHEAD" signs shall be installed from 1,000 feet to 2,000 feet ahead of "no passing" zones. R4-1 "DO NOT PASS" signs shall be installed at the beginning and at every 2,000-foot interval within "no passing" zones. For continuous zones longer than 2 miles, W7-3aP "NEXT ____ MILES" signs shall be installed beneath the W20-1 signs installed ahead of "no passing" zones. R4-2 "PASS WITH CARE" signs shall be installed at the end of "no passing" zones. The exact location of "no passing" zone signing will be as determined by the Engineer and shall be maintained in place until permanent "no passing" centerline pavement delineation has been applied. The signing for "no passing" zones, shall be removed when no longer required for the direction of public traffic. The signing for "no passing" zones shall conform to the requirements in Section 12-3.11, "Construction Area Signs," of the Standard Specifications.

Full compensation for furnishing, placing, maintaining and removing the temporary reflective raised pavement markers, used for temporary lane line and centerline delineation (including the signing specified for "no passing" zone) and for providing equivalent patterns of permanent traffic lines for such areas when required; shall be considered as included in the lump sum contract price paid for **Traffic Control System** and no separate payment will be made therefore.

TEMPORARY EDGE LINE DELINEATION - Whenever edge lines are obliterated, the temporary pavement delineation to replace those edge lines shall, at the option of the Contractor, consist of either solid 4-inch wide traffic stripe of the same color as the stripe the temporary edge line delineation replaces, or shall consist of traffic cones, portable delineators or channelizers placed at longitudinal intervals not to exceed 100 feet.

The lateral offset for traffic cones, portable delineators or channelizers used for temporary edge line delineation shall be as determined by the Engineer. If traffic cones or portable delineators are used as temporary pavement delineation for edge lines, the Contractor shall provide personnel to remain at the job site to maintain the cones or delineators during all hours of the day that they are in use.

Channelizers used for temporary edge line delineation shall be surface mounted type and shall be orange in color. Channelizer bases shall be cemented to the pavement in the same manner provided for cementing pavement markers to pavement in the section of these Special Provisions entitled, "Pavement Markers," except epoxy adhesive shall not be used to place channelizers on the top layer of pavement. Channelizers shall be, at the Contractor's opinion, one of the surface mount types (36") listed in "Prequalified and Tested Signing and Delineation Materials" elsewhere in these Special Provisions.

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

Full compensation for furnishing, placing, maintaining and removing the temporary edge line delineation shall be considered as included in the lump sum price paid for **Traffic Control System** and no separate payment will be made therefore.

AREA TRAFFIC CONTROL DEVICES

Flagging, signs, and temporary traffic control devices furnished, installed, maintained, and removed when no longer required shall conform to the provisions in Section 12, "Temporary Traffic Control," of the Standard Specifications and these special provisions.

Category 1 temporary traffic control devices are defined as small and lightweight (less than 100 pounds) devices. These devices shall be certified as crashworthy by crash testing, crash testing of similar devices, or years of demonstrable safe performance. Category 1 temporary traffic control devices include traffic cones, plastic drums, portable delineators, and channelizers.

If requested by the Engineer, the Contractor shall provide written self-certification for crashworthiness of Category 1 temporary traffic control devices at least 5 business days before beginning any work using the devices or within 2 business days after the request if the devices are already in use. Self-certification shall be provided by the manufacturer or Contractor and shall include the following:

- A. Date,
- B. Federal Aid number (if applicable),
- C. Contract number, district, county, route and post mile or project limits,
- D. Company name of certifying vendor, street address, city, state and zip code,
- E. Printed name, signature and title of certifying person; and
- F. Category 1 temporary traffic control devices that will be used on the project.

The Contractor may obtain a standard form for self-certification from the Engineer.

Category 2 temporary traffic control devices are defined as small and lightweight (less than 100 pounds) devices that are not expected to produce significant vehicular velocity change, but may cause potential harm to impacting vehicles. Category 2 temporary traffic control devices include barricades and portable sign supports.

Category 2 temporary traffic control devices shall be on the Federal Highway Administration's (FHWA) List of Acceptable Crashworthy Category 2 Hardware for Work Zones. This list is maintained by FHWA and can be located at:

http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/listing.cfm?code=workzone

The Department also maintains this list at:

<http://www.dot.ca.gov/hq/traffops/signtech/signdel/pdf/Category2.pdf>

Category 2 temporary traffic control devices that have not received FHWA acceptance shall not be used. Category 2 temporary traffic control devices in use that have received FHWA acceptance shall be labeled with the FHWA acceptance letter number and the name of the manufacturer. The label shall be readable and permanently affixed by the manufacturer. Category 2 temporary traffic control devices without a label shall not be used.

If requested by the Engineer, the Contractor shall provide a written list of Category 2 temporary traffic control devices to be used on the project at least 5 business days before beginning any work using the devices or within 2 business days after the request if the devices are already in use.

Category 3 temporary traffic control devices consist of temporary traffic-handling equipment and devices that weigh 100 pounds or more and are expected to produce significant vehicular velocity change to impacting vehicles. Temporary traffic-handling equipment and devices include crash cushions, truck-mounted attenuators, temporary railing, temporary barrier, and end treatments for temporary railing and barrier.

Type III barricades may be used as sign supports if the barricades have been successfully crash tested, meeting the NCHRP Report 350 criteria, as one unit with a construction area sign attached.

Category 3 temporary traffic control devices shall be shown on the plans or on the Department's Highway Safety Features list. This list is maintained by the Division of Engineering Services and can be found at:

http://www.dot.ca.gov/hq/esc/approved_products_list/

Category 3 temporary traffic control devices that are not shown on the plans or not listed on the Department's Highway Safety Features list shall not be used.

Full compensation for providing self-certification for crashworthiness of Category 1 temporary traffic control devices and for providing a list of Category 2 temporary traffic control devices used on the project shall be considered as included in the lump sum price paid for **Traffic Control System** and no additional compensation will be allowed therefor.

10-1.09 DUST CONTROL

This work, Dust Control, shall consist 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 and shall conform to the provisions in Section 10-5, "Dust Control," of the Standard Specifications and these Special Provisions.

The Contractor shall furnish adequate dust control measures as provided in Section 10-5, "Dust Control," of the Standard Specifications and these Special Provisions during normal non-work hours (e.g., nights, weekends, or holidays) encompassed within working days authorized in the contract and executed contract change orders, at no additional cost to the Department. Additional dust control required during suspensions of work directed by the Engineer, for reasons stated in Section 8-1.06, "Suspensions" for which the Engineer authorizes extension of "Time of Completion" will be paid for as extra work as provided in Section 4-1.05, "Changes and Extra work," of the Standard Specifications.

The CONTRACTOR is responsible for meeting and being in compliance 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 the CONTRACTOR providing all required personnel and signage, the CONTRACTOR is 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. The CONTRACTOR shall also submit his proposed program and sign detail to meet the requirements of AQMD "Rule 403, Fugitive Dust" to the ENGINEER prior to the start of construction. Information on AQMD and "Rule 403, Fugitive Dust" can be found at <http://www.mdaqmd.ca.gov/index.aspx?page=142>. Should the County be fined due to failure of the contractor complying with Rule 403 requirements, the amount of any such fines will be withheld from payments due to the contractor.

Full compensation for conforming to the requirements of AQMD, including furnishing all labor, water, materials, tools, equipment and incidentals shall be considered as included in the prices paid for **various contract items of work** and no additional compensation will be allowed therefore.

10-1.10 WATERING

Watering shall conform to the provisions in Section 10-6, "Watering," of the Standard Specifications.

The contract lump sum price paid for **Develop Water Supply** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in developing water supply and no additional compensation will be allowed therefore.

10-1.11 PORTABLE CHANGEABLE MESSAGE SIGNS (2015 CALTRANS REVISED STANDARD SPECIFICATIONS)

Portable Changeable Message Signs shall conform to the provisions in Sections 12-3.32 "Portable Changeable Message Signs" of the Standard Specifications.

This work shall consist of furnishing, placing, maintaining, relocating as necessary, and removing Portable Changeable Message Signs (PCMS). The purpose of the PCMS is to provide drivers with advanced warning and up to date information on the traffic conditions during construction. Contractor shall coordinate the placement of the PCMSs and the information shown on the boards with the Engineer.

The PCMS shall be installed as the First order of work and shall occur two (2) weeks prior to the start of construction. Contractor shall provide a minimum of number (6) SIX message signs.

Contractor's attention is directed to the Section entitled, "Permits," elsewhere in these Special Provisions.

The location of the PCMS shall be determined by the Contractor in accordance with the specifications herein for review and approval by the Engineer. The boards shall be maintained and relocated if necessary as determined by the Engineer during construction. Recommended locations for the message boards are:

1. **At the intersection of Ceres Avenue and Cherry Avenue**
2. **At the intersection of San Bernardino Avenue and Cherry Avenue**
3. **At the intersection of Beech Avenue at Fontana Avenue**
4. **At the intersection of Merrill Avenue at Live Oak Avenue**
5. **At the intersection of Randall Avenue at Hathorne Avenue**
6. **At the intersection of Redwood Ave at Valley Boulevard**

Location of the Temporary traffic controls, regulatory, warning and guide signs have a higher priority than the PCMS. The PCMS shall be placed where they can be easily identified with the corresponding project. If the placement of PCMS conflicts with the newly installed higher priority signs, such as the temporary traffic control devices or other priority devices, the PCMS shall be relocated by the Contractor at no extra cost to the County.

Due to public safety concerns, the PCMS shall not be allowed at the following locations:

- a) On the front, back, adjacent to or around any traffic control device, including traffic signs, traffic control device posts or structures.
- b) At key decision points where a driver's attention is more appropriately focused on traffic control devices, roadway geometry, or traffic conditions. These locations include but are not limited to, stop or yield signs, and areas of limited sight distances.

PCMS shall be removed at the completion of the project.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in furnishing, placing, maintaining, relocating as necessary, and removing the PCMS, is included in the contract unit price paid for **Portable Changeable Message Signs** and no additional compensation will be allowed therefore.

10-1.12 REMOVE TRAFFIC STRIPES AND PAVEMENT MARKINGS

This work shall consist of the removal and disposal of existing or temporary traffic stripes, pavement markings, pavement markers, etc., in preparation for either the application of temporary delineation for public traffic or the application of permanent

delineation as specified in the contract documents, and shall conform to the provisions of Section 84-9, "Existing Markings," of the Standard Specifications and these Special Provisions.

Traffic stripe and pavement marking removal shall be done by sandblasting or grinding.

The method of removal of traffic stripes and pavement markings shall result in complete removal to the extent that changing light conditions and/or wet pavement conditions shall not produce an image of the removed device. The Contractor shall extend grinding or sandblasting, beyond the edges of the stripes or markings being removed, sufficiently to eliminate such imaging. The Contractor has the option of applying a bituminous "fog seal" to supplement removal efforts in order to eliminate "ghost" images. Additional work necessary to achieve the aforesaid effectiveness of removal shall be considered as compensated by the prices paid (in accordance with the applicable provisions for measurement and payment) for **Remove Traffic Stripes** and **Pavement Markings** and no additional payment will be made therefor. Units of measure for payment for removal of stripes and pavement markings shall be based on the physical dimensions of the device being removed, prior to removal. Removal of temporary traffic delineation shall conform to the procedural provisions of this section, Section 12-6, "Temporary Pavement Delineation," and Section 15, "Existing Highway Facilities," of the Standard Specifications.

Where blast cleaning is used for the removal of painted traffic stripes and pavement markings or for removal of objectionable material, and such removal operation is being performed within 10 feet of a lane occupied by public traffic, the residue including dust shall be removed immediately after contact between the sand and the surface being treated. Such removal shall be by vacuum attachment operating concurrently with the blast cleaning operation.

Nothing in these Special Provisions shall relieve the Contractor from his responsibilities as provided in Section 7-1.04, "Public Safety," of the Standard Specifications.

The adjustment provisions in Section 4-1.05, "Changes and Extra Work," of the Standard Specifications shall not apply to the item of **Remove Traffic Stripes** and **Pavement Markings**.

Grinding existing traffic strip shall be done as directed by the Engineer.

The contract unit price paid in square feet for **Remove Pavement Markings** and in linear feet for **Remove Traffic Stripes** shall include furnishing labor, materials, tools, grinding, equipment and incidentals, and for doing all work necessary to remove existing pavement delineation, as shown on the plans, necessary to adapt temporary delineation to remaining existing, and as specified in the Standard Specifications and these Special Provisions.

Costs to remove temporary delineation in conjunction with changes in traffic patterns necessary to complete the specified construction shall be considered as included in the

various contract items related to such work, and no additional payment will be made under Remove Traffic Striping and Remove Pavement Markings.

10-1.13 REMOVE ASPHALT CONCRETE SURFACING

This work shall consist of removing existing bituminous surfacing within the limits shown on the plans and marked in the field by the Engineer, and shall conform to the provisions in Section 15, "Existing Facilities," of the Standard Specifications and these Special Provisions.

Existing bituminous surfacing shown on the plans to be removed approximate full depth asphalt. Resulting holes and depressions shall be backfilled to the lines and grades established by the Engineer with native material selected from excavation.

The Contractor shall test Yellow traffic striping and pavement-marking material prior to removal. If the materials contain hazardous materials, appropriate handling and disposal will be required.

The removed surfacing materials shall become the property of the Contractor and shall be disposed of outside the highway right of way in accordance with the Section 14-10, "Solid Waste Disposal and Recycling", and Section 14-11, "Hazardous Waste and Contamination" of the Standard Specifications.

Existing asphalt surfacing shall be saw cut to a neat, true line and removed where shown on the plans. The locations of cut lines shown on the plans are approximate only; the exact locations will be determined by the Engineer. The outline of the surfacing to be removed shall be cut with a power-driven saw to a depth of not less than 0.15-foot before removing the surfacing. Surfacing shall be removed without damage to surfacing that is to remain in place. Damage to pavement which is to remain in place shall be repaired to a condition satisfactory to the Engineer, or the damaged pavement shall 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 shall be at the Contractor's expense and will not be measured nor paid for.

The contract unit price paid per square yard for **Remove Asphalt Concrete Surfacing** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work involved in saw cutting and removing asphalt concrete surfacing and asphalt concrete under dikes and driveways including hauling and disposing of surfacing outside the highway right of way or hauling and placing surfacing in embankments, as shown on the plans, as specified in the Standard Specifications and these Special Provisions.

10-1.14 REMOVE CONCRETE

Removing concrete shall conform to the provisions in Section 15, "Existing Facilities," Section 17-2, "Clearing and Grubbing," and Section 19-1.03D, "Buried Man-Made Objects," of the Standard Specifications and these Special Provisions.

Removed concrete shall become the property of the Contractor and shall be disposed of in accordance with the provision in Section 14-10, "Solid Waste Disposal and Recycling" and Section 14-11, "Hazardous Waste and Contamination" of the Standard Specifications.

The contract unit price paid per linear foot for **Remove Concrete (Curb and Gutter)** shall include furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved to remove and dispose existing concrete curb and curb and gutter, complete in place, as shown on the plan and as directed by the Engineer.

The contract unit price paid per linear foot for **Remove Concrete (Curb)** shall include furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved to remove and dispose existing concrete curb and curb and gutter, complete in place, as shown on the plan and as directed by the Engineer.

The contract unit price paid per square yard for **Remove Concrete (Driveway and Sidewalk)** shall include furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved to remove and dispose existing concrete driveways and sidewalk, complete in place, as shown on the plan and as directed by the Engineer.

10-1.15 REMOVE ASPHALT CONCRETE DIKE

This work shall consist of removing portions of existing asphalt concrete dike, traversable dike where shown on the plans and shall conform to the provisions of Section 39, "Remove Asphalt Concrete Dikes," of the Standard Specifications and these Special Provisions.

In removing the existing AC Dike, the base on where the AC Dike sits must likewise be removed (see sketch & county standard plans – modified), prior to removal, saw cut a minimum 2' from the edge of pavement; the new asphalt concrete pavement base is 0.30' thick.

The dike and part of the base 2' from the edge of pavement shall be saw cut & removed in such a manner that the adjacent surfacing which is to remain in place is not damaged.

The removed dike shall become the property of the Contractor and shall be disposed of outside the highway right of way in accordance with the provisions Section 14-10, "Solid Waste Disposal and Recycling", and Section 14-11, "Hazardous Waste and Contamination" of the Standard Specifications.

In all areas where the edge of pavement is damaged or deformed must be saw cut and remove asphalt concrete to a clean line where it is applicable and suitable to cold plane, all sawcut and removed asphalt to be replaced with new pavement that is a minimum width of the wider removed section and placed on compacted native.

The contract unit price paid per linear foot for **Remove Asphalt Concrete Dike** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work necessary to remove and dispose of existing asphalt

concrete dike including its AC base, as shown on the plans, and as specified in the Standard Specifications and these Special Provisions.

The contract unit price paid per linear foot for **Remove Traversable Dike** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work necessary to remove and dispose of existing asphalt concrete dike including its AC base, as shown on the plans, and as specified in the Standard Specifications and these Special Provisions.

10-1.16 REMOVE ASPHALT BERM

This work shall consist of removing portions of existing asphalt berm dike where shown on the plans and shall conform to the provisions of Section 39, "Remove Asphalt Concrete Dikes," of the Standard Specifications and these Special Provisions.

In removing the existing asphalt berm, the base on where the asphalt berm sits must likewise be protected (see sketch & county standard plans - modified), prior to removal.

The asphalt berm shall be removed in such a manner that the adjacent surfacing which is to remain in place is not damaged.

The removed asphalt berm shall become the property of the Contractor and shall be disposed of outside the highway right of way in accordance with the provisions Section 14-10, "Solid Waste Disposal and Recycling", and Section 14-11, "Hazardous Waste and Contamination" of the Standard Specifications.

The contract unit price paid per linear foot for **Remove Asphalt Berm** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work necessary to remove and dispose of existing asphalt concrete dike including its AC base, as shown on the plans, and as specified in the Standard Specifications and these Special Provisions.

10-1.17 CLEARING AND GRUBBING

Clearing and grubbing shall conform to the provisions in Section 17-2, "Clearing and Grubbing," of the Standard Specifications and these special provisions.

Vegetation shall be trimmed, cleared and grubbed only within the excavation and embankment slope lines as shown on plans and as determined by the Engineer.

All other vegetation to be removed including stumps and trees having a main stem of less than six (6) inches in diameter, shall be included in the lump sum price paid for Clearing and Grubbing and no additional compensation shall be allowed therefore.

All existing vegetation, outside the areas to be cleared and grubbed, shall be protected from injury or damage resulting from the Contractor's operations.

All activities controlled by the Contractor, except cleanup or other required work, shall be confined within the graded areas of the roadway.

Nothing herein shall be construed as relieving the Contractor of his responsibility for final cleanup of the highway as provided in Section 4-1.13, "Cleanup," of the Standard Specifications.

The contract lump sum price paid for **Clearing and Grubbing** shall include furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in clearing and grubbing includes removing trash, bushes and tires as shown on the plans, and as specified in the Standard Specifications and these Special Provisions.

10-1.18 ASPHALT CONCRETE (RAP Optional)

Asphalt concrete shall conform to the provisions in Section 39.2, RAP 15% Max, "Hot Mix Asphalt" of the Standard Specifications and these special provisions.

The Contractor may produce asphalt concrete using reclaimed asphalt pavement (RAP). The Contractor may substitute RAP for a portion of the virgin aggregate in asphalt concrete in an amount **not exceeding 15 percent** of the asphalt concrete dry aggregate mass.

RAP shall not be used in Open Graded Asphalt Concrete or Rubberized Asphalt Concrete.

RAP shall be processed from asphalt concrete removed from pavement surfaces. RAP shall be stored in stockpiles on smooth surfaces free of debris and organic material. RAP stockpiles shall consist only of homogeneous RAP. The Contractor may process and stockpile RAP throughout the project's life. Processing and stockpiling operations shall prevent material contamination and segregation.

The asphalt concrete shall conform to the following requirements:

1. Asphalt concrete shall be produced at a central mixing plant.
2. The aggregate for **Asphalt Concrete** shall conform to **Type A, 1/2" Aggregate Gradation** for top layer of patching as specified in Section 39-2.02B(4)(b), "Aggregate Gradations," of the Standard Specifications. The asphalt binder shall be **PG 64-16**.
3. The aggregate for **Asphalt Concrete Leveling Course (Scratch Coat)** shall conform to **Type A, 3/8" Aggregate Gradation**, as specified in Section 39-2.02B(4)(b), "Aggregate Gradations," of the Standard Specifications. The asphalt binder shall be **PG 64-10**.
4. If the Contractor does not use RAP, the amount of asphalt binder to be mixed with the aggregate for Type A asphalt concrete will be determined by the Contractor and submitted to the Engineer for approval in accordance with

California Test 367 (except Open Graded asphalt concrete) or California Test 368 for Open Graded asphalt concrete using the samples of aggregates furnished by the Contractor in conformance with Section 39-2.01A(4), "Quality Assurance," of the Standard Specifications.

5. If the Contractor uses RAP, the amount of asphalt binder to be mixed with the combined virgin aggregate and RAP will be determined by the Contractor and submitted to the Engineer for approval in accordance with California Test 367 amended by Lab Procedure-9 (LP-9). LP-9 is available at:

<http://www.dot.ca.gov/hq/esc/Translab/ormt/fpmlab.htm>

Whenever in Lab Procedure-9 the terms "Hot Mix Asphalt" and "HMA" are used, they shall be understood to mean and refer to "Asphalt Concrete" and "AC" respectively.

At least 5 days before starting production of asphalt concrete using RAP, the Contractor shall submit a proposed asphalt concrete mix design in writing to the Engineer.

Replace The First Paragraph of Section 39-2.01A(3)(d) "Test Results", with:

For mix design, JMF verification, production start-up, and each 10,000 tons, submit AASHTO T 283 and AASHTO T 324 (Modified) test results electronically to the Engineer.

Add The Following as the First Paragraph of Section 39-2.01A(4)(b) "Job Mix Formula Verification", with:

At the Engineer's sole discretion, the Engineer may choose to verify the full Job Mix Formula (JMF), or any portion thereof, or accept the Contractors submitted test results in lieu of verification testing in accordance with the following sections. In any case, this verification will serve the purposes of this project alone, and shall not be used for any other project.

Remove the paragraphs of Section 39-2.01A(4)(b) "Job Mix Formula Verification", as follows:

Paragraph 9; which starts "You may adjust..."

Paragraph 10; which starts "For each HMA type..."

Paragraph 11; which starts "A verified JMF..."

Replace Section 39-2.01A(4)(d) "Job Mix Formula Renewal", with:

39-2.01A(4)(d) Reserved

Replace Section 39-2.01A(4)(e) "Job Mix Formula Modification", with:

39-2.01A(4)(e) Reserved

Replace Section 39-2.01D "Payment" with:

39-2.01D Payment

Reserved

Replace the second paragraph of Section 39-2.02A(1) "Summary", as follows:

You may, by written request separate from the Job Mix Formula (JMF) submittal, request the Engineer allow you to use a Warm Mix Asphalt (WMA) Technology.

Remove the first paragraph and table of Section 39-2.02B(4)(b) "Aggregate Gradations"

Remove the second paragraph and table of Section 39-2.02C "Aggregate Gradations"

A prime/tack coat is required:

- a. Prime Coat shall be applied to the base prior to placing the Hot Mix Asphalt. Prime Coat shall be e-prime or approved equal and will be spread at a rate of 0.15 to 0.35 gal/sy, as directed by the Engineer.
- b. Tack coat shall be applied to existing pavement including planed surfaces, between layers of HMA and vertical surfaces of curbs, gutters, and construction joints. Tack coat must comply with the specifications for asphaltic emulsion in 2015 Caltrans Standard Specifications Section 94, "Asphaltic Emulsion," or asphalt binder in Section 92, "Asphalt Binders." Tack coat shall be spread at a rate of 0.02 to 0.10 gal/sy, as directed by the Engineer.

The price paid for asphalt concrete shall include all costs for prime or tack coat(s) applied to all edges and between layers of asphalt concrete paving or overlay.

Additional asphalt concrete surfacing material shall be placed along the edge of the surfacing at road connections and private drives, hand raked, if necessary, and compacted to form smooth connecting surfaces. Full compensation for furnishing all labor and tools and doing all the work necessary to hand rake said connecting surfaces shall be considered as included in the contract prices paid per ton for the various contract items of asphalt concrete surfacing involved and no additional compensation will be allowed therefor.

Replace Section 39-2.02D "Payment" with:

Quantities of asphalt concrete with/without RAP, will be paid for at the contract price per ton for **Asphalt Concrete (Type A, 1/2-inch Aggregate Gradation, PG 64-16)** and shall include full compensation for furnishing all labor, materials, prime coat, tack coat, tools, equipment and incidentals, and for doing all the work involved in constructing asphalt concrete complete in place, as shown on the plans, and as specified in the Standard Specifications, these special provisions, and as directed by the Engineer.

Quantities of asphalt concrete with/without RAP, will be paid for at the contract price per ton for **Asphalt Concrete Leveling Course (Type A, 3/8" Aggregate Gradation, PG 64-10)** and shall include full compensation for furnishing all labor, materials, prime coat, tack coat, tools, equipment and incidentals, and for doing all the work involved in constructing asphalt concrete complete in place, as shown on the plans, and as specified in the Standard Specifications, these special provisions, and as directed by the Engineer.

10-1.19 RUBBERIZED ASPHALT CONCRETE (TYPE G 1/2" AGGREGATE GRADATION, PG 64-16 RHMA)

Rubberized asphalt concrete shall be Type G and shall conform to the provisions in Section 39-2.03, "Hot Mix Asphalt," of the 2015 Standard Specifications and these special provisions.

The rubberized asphalt concrete shall conform to the following requirements:

1. Rubberized asphalt concrete shall be produced at a central mixing plant using Crumb Rubber Modifier. Terminal Blend is not allowed.
2. RAP material shall not be used.
3. The aggregate for asphalt concrete shall conform to the (Type G, 1/2" Inch) grading specified in Section 39-2.02B(4)(b), "Aggregate Gradations," of the Standard Specifications.
4. The asphalt binder grade shall be PG 64-16.
5. The terms "Hot Mix Asphalt" and "HMA" are used, they shall be understood to mean and refer to "Asphalt Concrete" and "AC" respectively

Additional asphalt concrete surfacing material shall be placed along the edge of the surfacing at road connections and private drives, hand raked, if necessary, and compacted to form smooth connecting surfaces. Full compensation for furnishing all labor and tools and doing all the work necessary to hand rake said connecting surfaces shall be considered as included in the contract prices paid per ton for the various contract items of asphalt concrete surfacing involved and no additional compensation will be allowed therefor.

Immediately in advance of applying paint binder, the roadway shall be free of moisture, loose or extraneous material and the cost of said work shall be considered as included in the contract price per ton for the asphalt concrete involved and no additional compensation will be allowed therefor.

A Tack Coat/Prime Coat is required.

The price paid for rubberized asphalt concrete will include all costs for tack coat(s) applied to all edges and between layers of asphalt concrete paving or overlay.

In order to preserve the structural integrity of the road, public safety and convenience, the Contractor shall overlay all feathered, milled or cold planed areas or sections of the road immediately within seven (7) working days, as shown on the plans, and as directed by the Engineer.

Quantities of rubberized asphalt concrete will be paid for at the contract price per ton for **Rubberized Asphalt Concrete (Type G, 1/2" Aggregate Gradation, PG 64-16 RHMA)** and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in constructing rubberized asphalt concrete, complete in place, as shown on the plans, and as specified in the Standard Specifications, these special provisions, and as directed by the Engineer.

10-1.20 ASPHALT CONCRETE (DIKES, TRAVERSABLE DIKES AND MISCELLANEOUS AREAS)

Asphalt Concrete placed in dikes, traversable dikes and miscellaneous areas shall conform to the provisions in Section 39, "Asphalt Concrete," of the Standard Specifications and these Special Provisions.

Aggregate for asphalt concrete dikes, traversable dikes and miscellaneous areas shall conform to the 3/8 inch maximum grading as specified in Section 39-2.02B(4)(b), "Aggregate Gradation", of the Standard Specifications and the amount of asphalt binder shall be increased one percent by weight of the aggregate over the amount of asphalt binder determined for use in asphalt concrete placed on the traveled way.

Asphalt binder grade for A.C. dike shall be **PG 64-10**

Asphalt binder grade for miscellaneous areas shall be **PG 64-16**

Location of asphalt concrete driveways is approximate and therefore Contractor shall notify the Engineer prior to construction.

Asphalt concrete placed in the work for the dike, traversable dike and driveway (miscellaneous areas) are paid separately at the contract price per ton for asphalt concrete of the Type A.

The Contractor to provide Metal plates or graded dirt for driveway entrance at replaced locations.

The contract price is per linear foot for **Place Asphalt Concrete Dike** and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in placing asphalt concrete dike including its base, complete in place, as shown on the plans and as specified in these Specifications and the Special Provisions, and as directed by the Engineer.

The contract price is per linear foot for **Place Asphalt Concrete Traversable Dike** and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in placing asphalt concrete traversable dike including its base, complete in place, as shown on the plans and as specified in these Specifications and the Special Provisions, and as directed by the Engineer.

10-1.21 SLURRY SEAL TYPE II

The Slurry Seal shall be Type II Polymer Modified Asphalt Emulsion Slurry Seal conforming to Caltrans Standard Specifications 2015, Section 37-3 "Slurry Seal and Micro-Surfacing".

The asphalt emulsion shall be a quick-setting type and grade as specified in Section 37-3.02B(3) "Polymer Modified Asphaltic Emulsion".

The asphalt emulsion shall be polymer modified with 2-½ percent minimum polymer content, and not exceed to more than 3 percent.

As specified in Section 37-3.03B "Proportioning", the slurry seal mixture shall have proper workability and (a) will permit traffic, not controlled with pilot cars, on the slurry seal within one hour after placement without the occurrence of bleeding, raveling, separation or other distress, and (b) prevent development of bleeding, raveling, separation or other distress within 15 days after placing the slurry seal.

Immediately before commencing the slurry seal operations, all surface metal utility covers shall be protected by thoroughly covering the surface with an appropriate adhesive and paper or plastic. No adhesive material shall be permitted to cover, seal or fill the joint between the frame and cover of the structure. Covers are to be uncovered and cleaned of slurry material by the end of the same work day.

Surface preparation

Before you place slurry seal or micro-surfacing clean the pavement surface by removing loose particles of extraneous materials, including paving and dirt. Use any nondestructive, such as flushing or sweeping.

Crack seal fill before applying chip seal and slurry seal.

Crack seal will be EnFlex material and does not need curing time.

Spread slurry seal uniformly within the specified spread rate range. Do not spot, rehandle, or shift the mixture.

Spread slurry seal uniformly within the specified spread rate range. Do not spot, rehandle, or shift the mixture.

If there is a bid item for tack coat, coat the pavement surface with and SS or CSS grade asphaltic emulsion a rate from 0.08 to 0.15 gal/sq yd. The exact rate must be authorized.

The engineer determines the exact spread rate for slurry seal. The completed rate must be within 10 percent of the engineer determined spread rate. The slurry seal spread rates must be within the ranges shown in the following table.

Asphaltic Emulsion Percentage

Aggregate Type	Range
I	15-20
II	12-28
III	10-14

Slurry Seal Spread Rates

Type Aggregate Type	Range (lb of dry aggregate/sq yd)
I	15-20
II	12-28
III	10-14

The quantity for slurry seal includes the weight determined by combining the weights of the aggregate and asphaltic emulsion. The payment quantity for slurry seal does not include the weights of the added water and set-control additives.

The contract unit price paid per square yard for **Slurry Seal (Type II)** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in furnishing and placing of the slurry seal, complete in place, including cleaning the surface, crack seal and protecting the slurry seal until it has set, all as shown on the plans, as specified in these specifications and as directed by the Engineer.

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

10-1.22 MISCELLANEOUS CONCRETE CONSTRUCTION

Concrete curb & gutter and sidewalk shall conform to the provisions in Section 73, "Concrete Curbs and Sidewalks," of the Standard Specifications.

The concrete in the sidewalk shall be of Minor Concrete.

The second and third sentence of the first paragraph in Section 73-1.03B, "Subgrade Preparation," of the Standard Specifications is superseded by the following:

Relative compaction of not less than 95 percent shall be obtained for a minimum depth of 0.50-foot below the grading plane for the width of the traveled way, including cross gutters, driveways and spandrels. Where curb & gutter, cross gutter, spandrel, sidewalk, pedestrian ramps, driveways, curb outlet structure and gutter depression are to be constructed, the sub grade material shall be compacted to a relative compaction of not less than 90 percent for a minimum depth of 0.50-foot below the grading plane.

After compaction and grading, the sub grade shall be firm, hard, and unyielding.

Non-Pigmented curing compound shall be used on exposed concrete surfaces other than curb and gutter.

When connecting into existing concrete use #4 dowels.

In the mountain and desert areas where freezing and thawing are seasonal, the concrete shall be air-entrained as provided in Section 73-1.02E(3), "Air-Entraining Admixtures," of the Standard Specifications. The air content after mixing and prior to placing shall be no more than 5.5 percent and no less than 4.0 percent.

The Contractor to provide Metal plates or graded dirt for driveway entrance at driveway during construction.

The contract unit price paid per cubic yard for **Minor Concrete (Curb, Curb and Gutter, Sidewalk, and Driveway)** shall include full compensation for furnishing all labor, materials, compacting, regrade, compact, equipment and incidentals, including excavation and backfill, as shown on the plans, and as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer.

10-1.23 CRACKS SEAL

Treat cracks from 1/4" to 1.5" in width for the entire length of the crack. Fill or repair cracks wider than 1.5" as ordered. Filling cracks wider than 1.5" is change of work.

For a traffic lane adjacent to a shoulder, treat cracks on the shoulder.

If in the event, severe cracks in the existing asphalt concrete surfacing were found on the paved traffic lanes and shoulders that are **1/4" (0.25") wide to 1.5" in width** shall be prepared and filled with crack sealant in accordance with these special provisions.

Cracks which are greater than 1.5" in width and potholes in the existing surface shall be filled with 3/8" max., HMA.

MATERIALS

The modified asphalt crack sealant shall be a mixture of paving asphalt and ground rubber or ground rubber and polymer. The gradation of the ground rubber shall be such that 100 percent will pass a 2.36-mm (No.8) sieve. The modified asphalt crack sealant shall conform to the following requirements:

Test	ASTM Designation	Requirements
Softening Point	D 36	82°C min.
Cone Penetration @ 25°C	D 3407	30 dmm min.
Resilience @ 25°C	D 3407	40 percent min.
Flow	D 3407	2 mm max.

The modified asphalt crack sealant material shall be furnished premixed in containers with an inside liner of polyethylene. Packaged material shall not exceed 60 pounds. The modified asphalt crack sealant material shall be capable of being melted and applied to cracks at temperatures below 204°C. When heated, it shall readily penetrate cracks ¼" wide or wider.

The Contractor shall provide the Engineer with a Certificate of Compliance conforming to the provisions in Section 6-1.07, "Certificate of Compliance," of the Standard Specifications with each shipment of crack sealant. Said certificate shall also certify that the sealant complies with the specifications and shall be accompanied with storage and heating instructions and cautions for the material.

PREPARATION

Cracks to be filled, potholes to be repaired, and adjacent asphalt concrete surfacing shall be cleaned and shall be free of dirt, vegetation, debris and loose sealant. A weed-killer/soil sterilant shall be applied. Cleaning shall be done by air blasting. Old sealant that protrudes above the asphalt concrete surfacing shall be completely removed. Routing will not be required. Hot compressed air or other means, approved by the Engineer, shall be used to clean and dry the crack immediately prior to application of material. When moisture is present, hot compressed air or other means, approved by the Engineer, shall be used to clean and dry the crack immediately prior to application of material.

APPLICATION

The crack sealant material shall be applied only after the cracks and adjacent asphalt concrete surfacing have been cleaned. Crack sealant material shall be spread with any type nozzle or device approved for use by the Engineer that will place the material

within the specified temperature range and to the dimensions shown on the plans. All cracks shall be squeezed when necessary after application of the crack sealant material.

The finished sealant material placed shall be flush with the existing roadway surface. Within 2 days after application of sealant, sealed cracks that reopen or in which the sealant material sags below the surrounding asphalt concrete surfacing and shoulders shall be resealed.

The curing time shall be per manufacturer's recommendation.

If the Contractor is delayed in the completion of the contract work as a direct result of the work.

The payment of quantity for crack treatment is the length of measured in lane lines along the edge of each paved lane parallel to the pavement's centerline.

Full compensation for conforming to the requirements of this section, including any additional mobilizing or demobilizing costs, and furnishing all labor, equipment, material (includes imported materials if needed), tools and incidentals and doing all work determined by the Engineer to fall under this section shall be considered to be included in lump sum for **Cracks Seal** and no separate payment will be made therefor.

10-1.24 ASPHALT RUBBER BINDER SEAL COAT

General

Asphalt rubber binder seal coat shall consist of applying Asphalt Rubber Binder followed by Heated Screenings Pre-Coated with asphalt binder followed by a fog seal coat.

Where asphalt rubber binder seal coat is applied as SAMI, fog seal coat is not required.

Asphalt Rubber Binder:

Asphalt rubber binder must be a combination of:

1. Asphalt binder.
2. Asphalt modifier.
3. Crumb rubber modifier.

Submittals

At least 5 business days before use, the Contractor shall submit the permit issued by the local air district for asphalt rubber binder field blending equipment and application equipment. If an air quality permit is not required by the local air district for producing

asphalt rubber binder, submit verification from the local air district that an air quality permit is not required.

At least 10 days before starting seal coat activities, the Contractor shall submit the name of an authorized laboratory to perform QC testing for asphalt rubber binder. The authorized laboratory must comply with the Caltrans' Independent Assurance Program.

The Contractor shall submit Safety Data Sheet (SDS) for each Asphalt Rubber Binder ingredient and the asphalt rubber binder.

For each delivery of asphalt rubber binder ingredients and Asphalt Rubber Binder to the job site, the Contractor shall submit a certificate of compliance and a copy of the specified test results.

The Contractor shall submit a certified volume or weight slip for each delivery of Asphalt rubber Binder ingredients and asphalt rubber binder.

On the same day of delivery the material, the Contractor shall submit:

1. Four 1-qt cans of mixed asphalt rubber binder
2. Samples of each asphalt rubber binder ingredient
3. Asphalt rubber binder formulation and data as follows:
 - 3.1. For asphalt binder and asphalt modifier, include:
 - 3.1.1. Source and grade of asphalt binder
 - 3.1.2. Source and type of asphalt modifier
 - 3.1.3. Percentage of asphalt modifier by weight of asphalt binder
 - 3.1.4. Percentage of combined asphalt binder and asphalt modifier by weight of asphalt rubber binder
 - 3.1.5. Test results for the specified quality characteristics
 - 3.2. For crumb rubber modifier, include:
 - 3.2.1. Each source and type of scrap tire crumb rubber and high natural rubber
 - 3.2.2. Percentage of scrap tire crumb rubber and high natural rubber by total weight of asphalt rubber binder
 - 3.2.3. Test results for the specified quality characteristics
 - 3.3. For asphalt rubber binder, include:
 - 3.3.1. Test results for the specified quality characteristics
 - 3.3.2. Minimum reaction time and temperature

The Contractor shall submit a certificate of compliance and accuracy verification of test results for viscometers.

The Contractor shall submit notification 15 minutes before each viscosity test or submit a schedule of testing times.

The Contractor shall submit the log of Asphalt Rubber Binder viscosity test results each day of asphalt rubber binder seal coat work.

The County shall obtain material samples during the application processes, and shall run tests for these collected samples as needed. If the test results fail to meet the required standards, the County shall reject the said work and the Contractor shall remove and replace the placed asphalt at the Contractor's own expense.

GENERAL:

Asphalt rubber binder must be 79 ± 1 percent by weight asphalt binder and 21 ± 1 percent by weight of CRM. The minimum percentage of CRM must be 20.0 percent and lower values may not be rounded up.

CRM must be 76 ± 2 percent by weight scrap tire crumb rubber and 24 ± 2 percent by weight high natural crumb rubber.

Asphalt modifier and asphalt binder must be blended at the production site. Asphalt modifier must be from 2.5 to 6.0 percent by weight of the asphalt binder in the asphalt rubber binder.

The asphalt rubber binder supplier determines the exact percentage.

If blended, the asphalt binder must be from 375 to 440 degrees F when asphalt modifier is added and the mixture must circulate for at least 20 minutes. Asphalt binder, asphalt modifier, and CRM may be proportioned and combined simultaneously.

The blend of asphalt binder and asphalt modifier must be combined with the CRM at the asphalt rubber binder production site. The asphalt binder and asphalt modifier blend must be from 375 to 440 degrees F when the CRM is added. Combined ingredients must be allowed to react at least 45 minutes at temperatures from 375 to 425 degrees F except the temperature must be at least 10 degrees F below the flash point of the asphalt rubber binder.

The asphalt rubber binder production site must be at the job site, at a distance of within three miles. This requirement also applies to any asphalt-rubber binder reheat cycles.

After reacting, the asphalt rubber binder must comply with the requirements shown in the following table:

Quality characteristic	Test method	Requirement
Cone penetration at 25 °C (0.10 mm)	ASTM D217	25–60
Resilience at 25 °C (% rebound)	ASTM D5329	18–50
Softening point (°C)	ASTM D36/D36M	55–88
Viscosity at 375 °F (Pa•s x 10 ⁻³) ^a	ASTM D7741/D7741M	1,800–2,500

^aPrepare sample for viscosity test under California Test 388.

Maintain asphalt rubber binder at a temperature from 375 to 415 degrees F.

Stop heating unused asphalt rubber binder 4 hours after the 45-minute reaction period. Reheating asphalt rubber binder that cools below 375 degrees F is a reheat cycle. Do not exceed 2 reheat cycles. If reheating, asphalt rubber binder must be from 375 to 415 degrees F before use.

During reheating, you may add scrap tire crumb rubber. Scrap tire crumb rubber must not exceed 10 percent by weight of the asphalt rubber binder. Allow added scrap tire crumb rubber to react for at least 45 minutes. Reheated asphalt rubber binder must comply with the specifications for asphalt rubber binder.

Asphalt Binder:

Asphalt binder must comply with the specifications for asphalt binder. Do not modify asphalt binder with polymer.

Asphalt binder for Asphalt Rubber Seal Coat shall be PG 64-16 (unless changed by the Engineer).

The County Representative shall review and approve the plant asphalt binder report, for each phase of the plant production, for the quality assurance.

Asphalt Modifier:

Asphalt modifier must be a resinous, high flash point, and aromatic hydrocarbon. Asphalt modifier must comply with the requirements shown in the following table:

The County Representative shall sample and test the asphalt modifier following the test methods and frequencies shown in the following table, for the quality assurance:

Quality characteristic	Test method	Requirement
Viscosity at 100 °C (m ² /s x 10 ⁻⁶)	ASTM D445	X ± 3 ^a
Flash point (CL.O.C., °C)	ASTM D92	207 min
Molecular analysis		
Asphaltenes by mass (max, %)	ASTM D2007	0.1
Aromatics by mass (min, %)	ASTM D2007	55

^a X denotes the proposed asphalt modifier viscosity from 19 to 36. A change in X requires a new asphalt rubber binder submittal.

Testing Frequency for Asphalt Modifier:

Quality characteristic	Test method	Frequency
Viscosity	ASTM D445	1 per shipment
Flash point	ASTM D92	
Molecular analysis		
Asphaltenes	ASTM D2007	1 per shipment
Aromatics	ASTM D2007	

Crumb Rubber Modifier:

A combination of ground or granulated high natural crumb rubber and scrap tire crumb rubber.

High Natural Crumb Rubber: Material containing 40 to 48 percent natural rubber.

Scrap Tire Crumb Rubber: Any combination of:

1. Automobile tires.
2. Truck tires.
3. Tire buffing.

CRM must be ground or granulated at ambient temperature.

Scrap tire crumb rubber and high natural crumb rubber must be delivered to the asphalt rubber binder production site in separate bags.

Steel and fiber must be separated. If steel and fiber are cryogenically separated, it must occur before grinding and granulating. Cryogenically-produced CRM particles must be large enough to be ground or granulated.

Wire must not be more than 0.01 percent by weight of CRM when tested under California Test 385. CRM must be free of contaminants except fabric, which must not exceed 0.05 percent by weight of CRM.

The length of an individual CRM particle must not exceed 3/16 inch.

CRM must be dry, free-flowing particles that do not stick together. A maximum of 3 percent calcium carbonate or talc by weight of CRM may be added. CRM must not cause foaming when combined with the asphalt binder and asphalt modifier.

Specific gravity of CRM must be from 1.1 to 1.2 determined under California Test 208.

The CRM must comply with the requirements shown in the following table:

Quality characteristic	Test method	Requirement	
		Scrap tire crumb rubber	High natural crumb rubber
Acetone extract (%)	ASTM D297	6.0–16.0	4.0–16.0
Rubber hydrocarbon (%)	ASTM D297	42.0–65.0	50.0 min
Natural rubber content (%)	ASTM D297	22.0–39.0	40.0–48.0
Carbon black content (%)	ASTM D297	28.0–38.0	--
Ash content (%)	ASTM D297	8.0 max	--

The County accepts CRM based on the gradation requirements shown in the following table when tested under California Test 685:

Crumb Rubber Modifier Gradation Requirements

Sieve size	Scrap tire crumb rubber		High natural crumb rubber	
	Operating range	Contract compliance	Operating range	Contract compliance
No. 8	100	100	--	--
No. 10	95–100	90–100	100	100
No. 16	35–85	32–88	92–100	85–100
No. 30	2–25	1–30	25–95	20–98
No. 50	0–10	0–15	6–35	2–40
No. 100	0–5	0–10	0–7	0–10
No. 200	0–2	0–5	0–3	0–5

If a test result for CRM gradation does not comply with the specifications, the County deducts the corresponding amount for each gradation test as shown in the following table:

Material	Test result ^a	Deduction
Scrap tire crumb rubber	Operating range < TR < Contract compliance	\$250
Scrap tire crumb rubber	TR > Contract compliance	\$1,100
High natural crumb rubber	Operating range < TR < Contract compliance	\$250
High natural crumb rubber	TR > Contract compliance	\$600

^a Test Result = TR

Each gradation test for scrap tire crumb rubber represents 10,000 lbs or the quantity used in that day's production, whichever is less.

Each gradation test for high natural crumb rubber represents 3,400 lbs or the quantity used in that day's production, whichever is less.

When tested under California Test 385, scrap tire crumb rubber must comply with the gradation requirements shown in the following table:

Scrap Tire Crumb Rubber Gradation

Percentage passing

Sieve size	Gradation limit	Operating range	Contract compliance
No. 8	100	100	100
No. 10	98–100	95–100	90–100
No. 16	45–75	35–85	32–88
No. 30	2–20	2–25	1–30
No. 50	0–6	0–10	0–15
No. 100	0–2	0–5	0–10
No. 200	0	0–2	0–5

When tested under California Test 385, high natural crumb rubber must comply with the gradation requirements shown in the following table:

High Natural Crumb Rubber Gradation

Percentage passing

Sieve size	Gradation limit	Operating range	Contract compliance
No. 10	100	100	100
No. 16	95–100	92–100	85–100
No. 30	35–85	25–95	20–98
No. 50	10–30	6–35	2–40
No. 100	0–4	0–7	0–10
No. 200	0–1	0–3	0–5

Quality Control for Crumb Rubber Modifier:

Sample and test scrap tire CRM and high natural CRM separately. Test CRM under the test methods and frequencies shown in the following table. The Engineer reserves the right to sample and test the scrap tire CRM and high natural CRM separately. If the Engineer does and sample and test the CRM, it will be tested under the test methods and frequencies shown in the following table:

The County Representative shall review and approve the plant Crumb Rubber Modifier report, for each phase of the plant production, for the quality assurance.

Crumb Rubber Modifier

Quality characteristic	Test method	Frequency
Scrap tire crumb rubber gradation	California Test 385	1 per 10,000 lbs or 1 per project, whichever is greater
High natural crumb rubber gradation	California Test 385	1 per 3,400 lbs or 1 per project, whichever is greater
Wire in CRM	California Test 385	1 per 10,000 lb
Fabric in CRM	California Test 385	
CRM particle length	7	
CRM specific gravity	California Test 208	
Natural rubber content in high natural crumb rubber	ASTM D297	1 per 3,400 lb

Asphalt Rubber Binder

For County acceptance testing, the contractor shall take a sample of asphalt rubber binder in the Engineer's presence every lot or once a day, whichever is greater. Each sample must be in a 6 qt can with open top and friction lid, and runs the required below quality tests:

The County accepts asphalt rubber binder based on compliance with the requirements shown in the following table:

Quality characteristic	Test method	Requirement
Cone penetration at 25 °C (0.10 mm)	ASTM D217	25–60
Resilience at 25 °C (% rebound)	ASTM D5329	18–50
Softening point (°C)	ASTM D36/D36M	55–88
Viscosity at 375 °F (Pa•s x 10 ⁻³) ^a	ASTM D7741/D7741M	1,800–2,500

^aPrepare sample for viscosity test under California Test 388.

In case of using Asphalt Rubber Binder Seal Coat as a top surface at extreme high temperature areas apply the following table:

Quality characteristic	Test method	Requirement
Cone penetration at 25 °C (0.10 mm)	ASTM D217	25–60
Resilience at 25 °C (% rebound)	ASTM D5329	38–50
Softening point (°C)	ASTM D36/D36M	70–88
Viscosity at 375 °F (Pa•s x 10 ⁻³) ^a	ASTM D7741/D7741M	1,800–2,500

^aPrepare sample for viscosity test under California Test 388.

Asphalt Rubber Binder Quality Control

Test asphalt rubber binder under the test methods and frequencies shown in the following table:

Quality characteristic	Test method	Sampling location	Frequency
Descending viscosity ^a	ASTM D7741/D7741M	Reaction vessel	1 per lot ^b
Viscosity at 375 °F	ASTM D7741/D7741M	Distribution truck	15 minutes before use per lot ^b
Cone penetration	ASTM D217	Distribution truck	1 per lot ^b
Resilience	ASTM D5329		
Softening point	ASTM D36/D36M		

^aStart taking viscosity readings at least 45 minutes after adding crumb rubber modifier and continue taking viscosity readings every 30 minutes until 2 consecutive descending viscosity readings have been obtained and the final viscosity complies with the specification requirement.

Descending Viscosity Reading: Subsequent viscosity reading at least 5 percent lower than the previous viscosity reading.

^bThe lot is defined in the Caltrans' MPQP.

Retain the sample from each lot. Test for cone penetration, resilience, and softening point for the first 3 lots and if all 3 lots pass, the testing frequency may be reduced to once for every 3 lots.

Pre-coated Screenings

The County accepts pre-coated screenings based on compliance with the requirements shown in the following table:

The County Representative shall sample and test the rocks before and after coating at least once a week or where changing the source, for the quality assurance:

Pre-coated Screenings Acceptance Criteria

Quality characteristic	Test method	Requirement
Los Angeles Rattler Loss (max, %)	California Test 211	10
Loss at 100 revolutions		40
Loss at 500 revolutions		
Film stripping (max, %)	California Test 302	25
Cleanness value (min)	California Test 227	80
Durability (min)	California Test 229	52
Crushed Particles (min.)	205	90%
Gradation (% passing by weight)		Max 1/2"
Sieve size:		Medium 3/8"
3/4"		
1/2"	California Test 202	100
3/8"		85-90
No. 4		0-30
No. 8		0-5
No. 200		-
		0-1

^a Lower percentages are desirable

Visual inspection is required to evaluate screenings to determine material acceptance.

The screenings must be crushed rocks and/or angular gravel particles.

Round aggregate and non-uniform size are not acceptable

Screenings

Before pre-coating with asphalt binder, screenings for Asphalt Rubber Binder Seal Coat must comply with the gradation requirements shown in the following table:

Asphalt Rubber Binder Seal Coat Screenings Gradation

Sieve size	Percentage passing by weight	
	1/2" Max	Medium 3/8"
3/4"	100	100
1/2"	85-90	95-100
3/8"	0-30	70-85
No. 4	0-5	0-15 ^a
No. 8	-	0-5
No. 200	0-1	0-1

^a Lower percentages are desirable

Screenings for Asphalt Rubber Binder Seal Coat shall be 1/2" Max., or 3/8" Medium.

Pavement Management will determine the screenings size based on the scope of the project.

Pre-coating Screenings

Pre-coating of screenings must be performed at a central mixing plant. The plant must be authorized under the Caltrans' Material Plant Quality Program.

For asphalt rubber binder seal coat, do not recombine fine materials collected in dust control systems except cyclone collectors or knock-out boxes with any other aggregate used in the production of screenings.

For Asphalt Rubber Binder Seal Coat, screenings must be preheated from 260 to 325 degrees F. Coat with any of the asphalts specified in the table titled "Performance Graded Asphalt Binders" in Section 92-1.02B. The asphalt must be from 0.7 to 1.0 percent by weight of dry screenings.

The Engineer determines the exact rate.

Do not stockpile preheated or pre-coated screenings.

CONSTRUCTION

General

The equipment used in producing asphalt rubber binder and the equipment used in spreading asphalt rubber binder must be permitted for use by the local air district.

Equipment

Asphalt rubber binder blending equipment must be authorized under the Caltrans' Material Plant Quality Program.

The blending equipment must allow the determination of weight percentages of each asphalt rubber binder ingredient.

Self-propelled distributor truck for applying asphalt rubber binder must have the following features:

1. Heating unit
2. Internal mixing unit
3. Pumps that spray asphalt rubber binder within 0.05 gal/sq yd of the specified rate
4. Fully circulating spray bar that applies asphalt rubber binder uniformly
5. Tachometer
6. Pressure gauges
7. Volume measuring devices
8. Thermometer
9. Observation platform on the rear of the truck for an observer on the platform to see the nozzles and unplug them if needed

Asphalt Rubber Binder Application

Apply asphalt rubber binder immediately after the reaction period. At the time of application, the temperature of asphalt rubber binder must be from 385 to 415 degrees F.

Apply asphalt rubber binder at a rate from 0.55 to 0.65 gal/sq yd. The Engineer determines the exact rate. You may reduce the application rate by 0.050 gal/sq yd in the wheel paths.

Apply asphalt rubber binder when the ambient temperature is from 60 to 105 degrees F and the pavement surface temperature is at least 55 degrees F. The Contractor may be granted additional working days, but there will be no additional compensation for weather-related delays or scheduling delays. The Contractor is expected to have accounted for potential weather-related delays and scheduling delays in his or her bid.

Do not apply asphalt rubber binder unless enough screenings are available at the job site to cover the asphalt rubber binder within 2 minutes. Intersections, turn lanes, gore points, cul-de-sacs, knuckles, and irregular areas must be covered within 15 minutes.

Do not apply asphalt rubber binder when pavement is damp or during high wind conditions. If authorized, you may adjust the distributor bar height and distribution speed and use shielding equipment during high wind conditions.

Screenings Application

During transit, cover pre-coated screenings for Asphalt Rubber Binder Seal Coat with tarpaulins if the ambient air temperature is below 65 degrees F or the haul time exceeds 30 minutes.

At the time of application, screenings for Asphalt Rubber Binder Seal Coat must be from 260 to 325 degrees F.

Spread screenings at a rate from 28 to 40 lb/sq yd. The exact rate is determined by the Engineer. Spread to within 10 percent of the determined rate.

Rolling and Sweeping

Perform initial rolling within 90 seconds of spreading screenings. Do not spread screenings more than 200 feet ahead of the initial rolling.

For final rolling, a steel-wheeled roller weighing from 8 to 10 tons in static mode shall be used.

Perform a final sweeping before Contract acceptance. The final sweeping must not dislodge screenings.

Final rolling and sweeping are not required for the Stress Absorbing membrane Interlayer (SAMI).

Where asphalt rubber binder seal coat is applied as SAMI, fog seal coat is not required.

MEASUREMENT AND PAYMENT

The contract price paid per square yard for **Asphalt Rubber Binder Seal Coat** shall include full compensation for furnishing all labor, materials (including paving asphalt for pre-coating screenings), tools, equipment, and incidentals and for doing all the work involved in furnishing and applying screenings, complete in place, including preparation preheating and pre-coating screenings as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Quantities of Asphalt Rubber Binder shall be paid for at the contract price per gallon for **Asphalt Rubber Binder** and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in applying asphalt rubber binder complete in place, as shown on the plans, and as specified in the Standard Specifications, these special provisions, and as directed by the Engineer.

Full compensation for conforming to the requirements of this section shall be considered as included in the prices paid for the various items of work and no additional compensation will be allowed therefore. The Contractor may be granted additional working days, but there will be no additional compensation for weather-related delays or scheduling delays. The Contractor is expected to have accounted for potential weather-related delays and scheduling delays in his or her bid.

10-1.25 COLD PLANE ASPHALT CONCRETE PAVEMENT

Existing asphalt concrete pavement shall be cold planed at the locations and to the dimensions indicated on the road list as well as plans and shall conform to the following provisions.

The provisions of Section 42-3, "Grinding", of the Standard Specifications shall not apply.

Planing asphalt concrete shall be performed by the cold planing method. Planing of the asphalt concrete pavement shall not be done by the heater planing method. Cold planing machines shall be capable of planing the pavement without requiring the use of a heating device to soften the pavement during or prior to the planing operation.

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

The depth, width and shape of the cut shall be as indicated in these special provisions and on the typical cross sections. Planing shall be performed in a manner to produce a straight cross slope between a minimum 0.08-foot depth of cut at the centerline established by the Engineer and a minimum 0.08-foot depth of cut at the outside edge as dimensioned on the typical cross-section. Areas between these boundaries, where the existing surface is below this specified plane (i.e., transversely bridged by the planer) shall not be planed. At conform lines (meet lines at intersections), transverse cuts shall be made to a minimum of 0.08-foot below the existing surface. The outside lines of the paved area shall be neat and uniform. Following the planing operations, a drop-off of more than 0.15-foot will not be allowed at any time between adjacent lanes open to public traffic.

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

Where transverse joints are planed in the pavement at conform lines, no drop-off greater than 0.10-foot shall remain between the existing pavement and the planed area when the pavement is opened to public traffic. If asphalt concrete has not been placed to the level of the existing pavement before the pavement is to be opened to public traffic, a temporary asphalt concrete transition shall be constructed. Asphalt concrete for a temporary transition shall be placed to the level of the existing pavement and tapered on a slope of 30:1 or flatter to the level of the planed area.

Asphalt concrete for temporary transitions shall be commercial quality "hot" or "cold" mix and shall be spread and compacted by any method that will produce a smooth riding surface. Temporary asphalt concrete transitions shall be completely removed, including the removal of loose material from the underlying surface, before commencing subsequent restoration or paving operations. Such removed material shall be disposed of outside the highway right of way in accordance with the provisions in Section 14-10, "Solid Waste Disposal and Recycling", and Section 14-11, "Hazardous Waste and Contamination" of the Standard Specifications.

The material planed from the roadway surface, including material deposited in existing or improved gutters or on the adjacent traveled way, shall be removed and disposed of outside the highway right of way in accordance with the provisions in section 14-10, "Solid Waste Disposal and Recycling" and section 14-11, "Hazardous Waste and

Contamination” of the Standard Specifications. Removal of the cold planed material shall be concurrent with the planing operations and follow within 50 feet of the planer, unless otherwise directed by the Engineer.

In order to preserve the structural integrity of the road, public safety and convenience, the Contractor shall overlay all feathered, milled or cold planed areas or sections of the road immediately within three (3) working days, as shown on the plans, and as directed by the Engineer.

Cold plane asphalt concrete will be measured by the square yard. The quantity to be paid for will be the actual area of surface cold planed irrespective of the number of passes required to obtain the specified depth of cut. Low areas in existing pavement, bridged by the cold planer when adjacent cuts meet the specified minimum depth, will not be deducted from the measured areas.

Contractor shall grind both direction of each segment within the same street at the same day to avoid gap between asphalt.

The contract unit price paid per square yard for **Cold Plane Asphalt Concrete Pavement** shall include full compensation for furnishing all labor, materials including asphalt concrete for temporary transitions, tools, equipment and incidentals, and for doing all the work involved in cold planing and disposing of planed material; and constructing, maintaining, removing and disposing of temporary transitions, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

10-1.26 RESET MAILBOX

This work shall consist of removing, salvaging, maintaining function in temporary locations, and repairing and resetting of existing letter and newspaper boxes as shown on the plans, conforming to applicable subsections of “Existing Facilities,” of the Standard Specifications and these Special Provisions. For the purposes of this section, letterboxes and newspaper boxes shall be defined as existing facilities. Activities in support of the work specified herein shall conform to the provisions in “General,” “Solid Waste Disposal and Recycling” and “Hazardous Waste and Contamination” of the Standard Specifications.

During construction operations, the mailboxes shall be moved as necessary to clear the way for the Contractor’s operations, but at all times shall be accessible for delivery. During construction the mailboxes shall either be installed on posts set in the ground or they may be installed on temporary supports approved by the Engineer.

When construction is complete the mailboxes shall be installed in final position on new redwood posts.

The mailbox shall be reset and concreted in place with face of mailbox within 0 to 6 inches from face of curb or asphalt concrete dike.

Redwood posts shall conform to the requirements for signposts in "Wood Posts," of the Standard Specifications.

The space around the posts shall be backfilled with native soil. The backfill material shall be placed in layers approximately 0.33-foot thick and each layer shall be moistened and thoroughly compacted.

Existing posts and mounts shall be disposed of.

Groups of mailboxes on single-post or multi-post supports shall be provided with a redwood plank as a supporting cross member on or between posts.

A multiple-box installation shall consist of two boxes installed on a single post. Each multi-box installation shall be considered as two units for payment purposes.

Newspaper boxes on individual posts will be considered as mailboxes for measurement and payment.

Newspaper boxes attached to existing mailbox posts shall be removed and fastened to the new mailbox posts and no separate payment will be made therefore.

Existing metal or iron letter and newspaper box posts shall be salvaged and reused. Permanent installation shall be in a buried concrete anchor of minor concrete or commercially available posthole concrete not less than 1.0 foot in diameter and 1.5 feet in depth from the finished ground surface. Soil surrounding each post anchor shall be compacted consistent with contract requirements for the area. Resetting of metal or iron posts shall be considered as included in the contract price paid for Reset Mailboxes, and no additional compensation will be allowed therefor.

The contract unit price paid for **Reset Mailbox** shall include furnishing all labor, materials (including posts, planks, fasteners, and hardware), tools, equipment and incidentals, and for doing all the work to remove, maintain function in temporary locations during construction, and reset letterboxes and newspaper boxes and dispose of excess and unsuitable components, all as shown on the plans, and as specified in the Standard Specifications and these Special Provisions.

10-1.27 RESET ROADSIDE SIGNS

This work, Reset Roadside Signs, shall consist of the relocation of existing roadside signs to maintain communication to public traffic that has existed prior to new construction, and replacement of components of signing facilities consistent with this intent, and shall conform to the provisions of Section 15, "Existing Facilities," Section 82-3, "Roadside Signs," and Section 82-9, "Existing Roadside Signs and Markers," of the Standard Specifications and these Special Provisions.

Relocated signs shall be installed in accordance with the horizontal and vertical dimensions specified on CA MUTCD 2014, Fig 2A-2 (CA) and County Standard Plan 303a, 303b and shall be reset on the same day as removal.

Existing wood posts shall, upon being reset, have two holes drilled, as designated by the Engineer, to create a “breakaway” feature.

The intent is that signs will be relocated as units, including posts and hardware. Should the posts, hardware, or sign panels be determined, by the Engineer, to be unsuitable the following shall apply:

1. Sign panels will be furnished by the County and installed by the Contractor at no additional cost to the County.
2. Hardware, such as back braces, nuts and bolts, etc. shall be furnished by the Contractor, as incidental to the proposed relocation and no additional payment will be made therefor.
3. If existing posts are determined, by the Engineer, to be unusable; new posts meeting the Engineer’s specifications shall be furnished and installed by the Contractor. Compensation therefor will be calculated by the Engineer at force account, and added to the payments for **Reset Roadside Sign**, at a proportionate rate.
4. Installation of new sign panels (County furnished) onto existing posts or old sign panels onto new posts shall be considered as incidental to the preservation of public safety and convenience, and no payment beyond that calculated by the Engineer for **Reset Roadside Signs** will be made therefor.

The Engineer will determine final location for roadside signs. Any interim, or temporary, positioning of signs necessary to conduct construction without exposing the public to danger or liability, shall be considered to be incidental to the Contractor’s operations, and will not be separately compensated.

The contract unit price paid for **Reset Roadside Sign** shall include, subject to the aforesaid exceptions, furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work to relocate existing roadside signs (including but not limited to – stop signs, street name signs, regulatory signs, and bus signs) as necessary for safe construction of the project, and payments therefor will be made in accordance with units counted and documented by the Engineer.

10-1.28 PAVEMENT MARKERS

Pavement markers shall conform to the provisions in Section 81-3, “Pavement Markers,” of the Standard Specifications and these Special Provisions.

The Contractor shall install two-way blue retroreflective markers in accordance with Section 81-3 of the Standard Specifications.

Location of the blue retroreflective pavement markers shall be as shown on California MUTCD 2014 Figure 3B-102 (CA), “Examples of Fire Hydrant Location

Pavement Markers,” included within these Special Provisions and as directed by the Engineer.

The Contractor shall install Type D two way yellow as specified on the “Striping and Pavement Marking Locations” (tables).

Full compensation for furnishing and placing pavement markers shall be considered as included in the contract prices paid for **Pavement Marker (Retroreflective – Type D)** and no additional compensation will be allowed therefore.

Full compensation for furnishing and placing blue pavement markers shall be considered as included in the contract prices paid for **Pavement Marker (Retroreflective - Blue)** and no additional compensation will be allowed therefore.

10-1.29 MARKERS AND DELINEATORS/CHANNELIZERS

Markers and Delineators/Channelizers shall conform to the provisions in Section 82-5, “Markers” and Section 81-2, “Delineators” of the Standard Specifications and in these Special Provisions.

Markers and delineators/channelizers on flexible posts shall be as specified in “Prequalified and Tested Signing and Delineation Materials,” elsewhere in these Special Provisions. Flexible posts shall be made from flexible white plastic which shall be resistant to impact, ultraviolet light, ozone and hydrocarbons. Flexible posts shall resist stiffening with age and shall be free of burns, discoloration, contamination, and other objectionable marks or defects, which affect appearance or serviceability.

Reflective sheeting for metal and flexible target plates shall be Type VII reflective sheet as specified in “Prequalified and Tested Signing and Delineation Materials,” elsewhere in these Special Provisions.

The contractor shall install flexible post surface mounted channelizers flexible base per the California MUTCD 2014 figure 3F-101(CA) and figure 3H-101(CA) as listed in the Striping and Pavement Marking Location Tables included elsewhere in these special provisions.

Table #	Road Name	Channelizer Type	Post color	Remarks
21	Carob Avenue	Type F	White	(5) 75 ft S, San Bernardino Avenue N 40 ft

The contract unit price paid for **Channelizer (Surface Mounted)** shall include full compensation for furnishing all labor, materials (including metal posts) tools, equipment and incidentals, and for doing all work involved in furnishing and installing Channelizer – Surface Mounted complete in place as shown on the plans and as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

10-1.30 PAINT TRAFFIC STRIPES & PAVEMENT MARKINGS

Materials and application for painted traffic stripes (traffic lines) and pavement markings shall conform to the provisions of paint traffic stripes in Section 84-2, "Traffic Stripes and Pavement Markings," of the Standard Specifications.

Traffic stripes and pavement markings shall be white or yellow to match the color of the existing markings as shown on the plans and as noted on the attached "Striping and Pavement Marking Locations" (tables) and/or as determined by the Engineer.

Traffic stripes and pavement markings shall be painted at the same location of the existing stripes or as noted on the attached "Striping and Pavement Marking Locations" (tables) and/or as determined by the Engineer.

The following traffic stripes and pavement markings shall be painted at the same location of the existing stripes as shown on the plans and as noted on the attached "Striping and Pavement Marking Locations" (tables) and/or as determined by the Engineer.

The 6" wide single dash yellow centerline stripe shall be painted as shown per 2018 Caltrans Standard Plan A20A, Detail 1.

The one direction – no passing zone yellow stripe shall be painted as shown per 2018 Caltrans Standard Plan A20A, Detail 15.

The double 6" wide yellow centerline stripe shall be painted as shown on 2018 Caltrans Standard Plan A20A, Detail 21 and shall be counted as 1 stripe per Section 84-3.06 of the Standard Specifications.

The double 6" wide yellow centerline stripe with raised pavement markers shall be painted as shown on 2018 Caltrans Standard Plan A20A, Detail 22 and shall be counted as 1 stripe per Section 84-3.06 of the Standard Specifications.

The 6" wide white right edgeline stripe shall be painted as shown per 2018 Caltrans Standard Plan A20B, Detail 27B.

The "25" numerical pavement markings shall be painted as shown per 2018 Caltrans Standard Plan A24C.

The STOP, AHEAD white pavement markings shall be painted as shown per 2018 Caltrans Standard Plan A24D.

The SLOW, SCHOOL, XING yellow pavement markings shall be painted as shown per 2018 Caltrans Standard Plan A24D.

The 12" solid white limit line shall be painted as shown per 2018 Caltrans Standard Plan A24E.

The 12" solid white (basic) crosswalk lines, shall be painted as shown per 2018 Caltrans Standard Plan A24F. Crosswalk width shall be 10' inside dimension.

The 12" solid yellow (basic) crosswalk lines, shall be painted as shown per 2018 Caltrans Standard Plan A24F. Crosswalk width shall be 10' inside dimension.

The contract prices paid per linear foot for **6" Traffic Stripe (2-Coat)** and per square foot for **Pavement Marking** and per linear foot for **Double Yellow Traffic Stripe (2-Coat)** shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in applying paint stripes and pavement markings, complete in place, including establishing alignment for stripes and layout work, as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer.

10-1.31 PERMITS

Prior to construction, the Contractor shall obtain permits as required for all work located within the **City of Fontana**

The Contractor shall conform to all Permit requirements in performance of work on this project.

Full compensation for permit fees and complying with the requirements of the City of Fontana, not otherwise provided for, shall be considered as included in the prices paid for the **various contract items** of work and no additional compensation will be allowed therefore.

10-1.32 QUALITY CONTROL PROGRAM

The Contractor shall prepare a Quality Control Program that will be reviewed and approved that complies with **Section 5-1.01, Section 19-5.03, Section 39-2.01A** and other sections of the Caltrans 2015 Standard Specifications. The Contractor shall include a work plan within the project, as requested by the Engineer. Full compensation for **Quality Control Program** shall be included in various items of work and no compensation will be allowed therefore.

Attention is directed to sections, "Public Safety", "Portable Changeable Message Signs", "Traffic Control System", "Survey Monuments" and "Coordination" of these Special Provisions.

10-1.33 FINISHING ROADWAY

Finishing roadway shall conform to the provisions in Section 22, "Finishing Roadway," Section 4-1.13, "Cleanup," of the Standard Specifications, and these Special Provisions.

On projects where there is no earthwork associated with the construction, Finishing Roadway shall consist of the work necessary to accomplish final cleaning up. Such cleaning up shall involve the entire project, including intersecting streets and driveways,

and all adjacent or nearby properties effected by the project or occupied by the Contractor during performance of the work.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved for finishing roadway shall be considered as included in the contract lump sum price paid for **Finishing Roadway** and no additional compensation will be allowed therefore.

10-1.34 COORDINATION

At a minimum the Contractor shall coordinate the construction activities two (2) weeks in advance prior to construction with cities, agencies, and schools below to minimize conflicts with their schedule:

Entity	Type of Conflict	Hour of Conflict	Contact	Phone/Email/Web
Fontana Unified School District 92336 Citrus Ave Fontana CA 92335	School Bus Student Drop/Pick	Mon – Fri 9 AM – 5 PM	Matthew Stotler Executive Director	Phone: 909-357-7521 Web: https://www.fusd.net/domain/188
Kaiser 9961 Sierra Ave Fontana CA 92335	Patient and Emergency Services	Mon – Fri 7AM–8:30PM		Web: https://healthy.kaiserpermanente.org/southern-california/facilities/Fontana-Medical-Center-100127
USPS 8282 Sierra Ave Fontana CA 92335	Postal	Mon – Fri 8:30AM–5PM		Phone: 800-275-8777 Web: https://tools.usps.com/find-location.htm?location=1363625
San Bernardino County Fire Station 71 169 Arrow Blvd., Fontana, CA 92335	Fire	Emergency		Phone: 909 -829-4471 Web: https://sbcfire.org/
San Bernardino County Fire Station 72 15380 San Bernardino Ave., Fontana, CA 92335	Fire	Emergency		Phone: 909 -356-2520 Web: https://sbcfire.org/
San Bernardino County Fire Station 73 8143 Banana Ave., Fontana, CA 92335	Fire	Emergency		Phone: 909 -822-6053 Web: https://sbcfire.org/

Fontana Fire Admin Upland CA 92335	Fire	N/A	Jeff Birchfield, Assistant Chief	Phone: 909 – 356 – 2520 Web: https://www.fontana.org/634/Fire-Protection-District
Burtec 9454 Cherry Ave Fontana CA 92335	Trash	N/A	N/A	Phone: 909 – 822 – 9739 Email: barstowcs@burrtec.com Web: https://www.burrtec.com/contact/#locations

It is the Contractor's responsibility to verify the schedules of the above mentioned entities to ensure that no conflicts occur with their daily schedules and that the project improvements should either be completed, or the work should be postponed until such a time the work can be completed in its entirety.

Additional contact information of other agencies may be provided to the Contractor during the pre-construction meeting.

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

10-1.35 SURVEY MONUMENT

Attention is directed to Section 78.2, "Survey Monuments", of the Standard Specifications and these Special Provisions.

The Contractor shall request the County Surveyor to conduct a monument review survey at least two (2) weeks prior to the start of construction to facilitate preservation of existing survey monumentation.

The County Surveyor will provide the contractor with locations of survey monuments prior to 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 prior to construction shall be left exposed at the completion of the paving project. The contractor shall install self-adhesive "I.D. Locators", or equivalent markers approved by the engineer, over monuments prior to paving and remove the markers at the completion of the paving.

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

The Contractor shall 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 preconstruction survey, the contractor shall remove the damaged monument in its entirety prior to paving. Monuments not disturbed or

damaged by construction activities may be left in place. If any survey monumentation is disturbed or destroyed through negligence of the contractor, or by reason of the Contractor's failure to conform to requirements of this section, the survey monumentation shall be replaced or restored by the County Surveyor at the Contractor's expense.

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

NOT FOR BID

*Permits and Agreements
(Brown Pages)*

inserted here

LIST OF PERMITS AND AGREEMENTS (BROWN PAGES)

CEQA-NOE

PERMIT CITY OF FONTANA

NOT FOR BID



Interoffice Memo

DATE November 15, 2022

PHONE 387-8109

FROM **ANTHONY PHAM, P.E.**, Division Chief
Environmental Management Division

MAIL CODE 0835

TO **CHRIS NGUYEN, P.E.**, Division Chief
Transportation Design Division

File: Yard 3/Ceres Ave and Other Roads

SUBJECT **CEQA REVIEW: CERES AVE AND OTHER ROADS (W.O. H15155)**

Project Description and Location

The San Bernardino County Public Works Department proposes pavement rehabilitation to approximately 19 miles of roads, tree removal, repairing or reconstructing sidewalks, curbs, gutters, asphalt concrete dike, driveway approaches at various locations, and painting pavement striping and markings in the unincorporated area of Fontana in San Bernardino County. (See Attachment 2 Location Map).

The project area is located in an urban, residential and commercial location where the principal vegetation type consists of non-native ornamental trees and shrubs commonly planted on developed parcels. Equipment planned for use on this project will included but is not limited to: Tractors, asphalt pavers, backhoes, and dump trucks.

No traffic detours or nighttime construction are planned at this time. No relocation of utilities is anticipated. Construction activities will occur on existing roads, sidewalks and previously disturbed areas. Construction duration is anticipated for approximately three (3) - months. County of San Bernardino Development Code 83.01.80(g)(3): exempts noise from temporary construction, maintenance, repair, or demolition activities between 7:00 a.m. and 7:00 p.m., except Sundays and Federal holidays.

Biological Resources Evaluation

San Bernardino County Environmental Management Division (EMD) Ecological Resources Specialists (ERS) conducted a site visit and review of California Natural Diversity Database (CNDDBA). The site review indicates that the vegetation in the surrounding area is primarily ornamental landscape commonly found in residential areas of southern California. There is no native vegetation or habitat that could support any listed species found in the CNDDB, however, trees and shrubs located adjacent to the work areas could support various species of nesting birds.

Biological Resources Conditions

Due to the limited nature of the road work, ERS have determined that project related activities will not directly impact any sensitive habitat and/or species. The following general condition should be incorporated into project avoidance measures.

1. If work occurs during the nesting bird season (March 15 – September 1), a pre-construction nesting bird survey must be conducted no more than three days prior to the start of work, including all vegetation management activities.
2. If active nests are detected, appropriate avoidance buffers will be established, and the nest(s) will be monitored as deemed appropriate by the biologist.
3. All trees will be surveyed prior to removal regardless of season.

Cultural Resources Evaluation

San Bernardino County Environmental Management Division Cultural Resources Specialists (CRS) conducted historical records search of the proposed project area in order to assess potential impacts to historical and cultural features, if any, within the project footprint. The entire project area has been heavily altered by residential construction, road construction, and routine maintenance, with private property immediately adjacent the edges of large portions of project roadways; it was determined that no historical or cultural features will be negatively impacted by the proposed project.

Cultural Resources Conditions

To ensure there are no impacts to historical or cultural resources, the following general conditions should be incorporated into project avoidance measures;

1. Should prehistoric or historic archaeological resources be encountered during construction, the evaluation of any such resource should proceed in accordance with all appropriate federal state, and local guidelines. Specifically, all work must be halted in the immediate vicinity of the cultural resource found until a qualified archaeologist can assess the significance of the resource.
2. If human remains are encountered during construction, then the San Bernardino County Coroner's Office MUST be contacted in accordance with state law within 24 hours of the find, and all work should be halted until a clearance is given by that office and any other agency involved. The Coroner's Office may be contacted at the Coroner's Division, County of San Bernardino, 175 S. Lena Road, San Bernardino, CA. Tel: (909) 387-2978.

ENVIRONMENTAL DETERMINATION

In compliance with the California Environmental Quality Act (CEQA), Environmental Management Division staff has reviewed the proposed project.

The Proposed Project qualifies for a Class 1 Categorical Exemption, "Existing Facilities" under Section 15301(c) of the CEQA guidelines. Class 1 consists of the "operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private

structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use.” Class 1 (c) exemption is specific to “existing highways and streets, sidewalks, gutters, bicycle and pedestrian trails, and similar facilities.” The project also qualifies for a Class 2 Categorical Exemption, “Replacement or reconstruction” under Section 15302(c) “Replacement or reconstruction of existing utility systems and or facilities involving negligible or no expansion of capacity.”

General Conditions

1. All work, including equipment staging, will remain on paved areas. No new work outside disturbed areas or existing rights-of-way (i.e., existing shoulder-to-shoulder and/or curb-to-curb) will be performed without further environmental evaluations.
2. Material staging area shall be clearly delineated in order to keep equipment and trucks within existing paved areas. Further, project related vehicle access, maintenance activities, and equipment storage shall be restricted to established roads, designated access roads, maintenance rights-of-way, and designated storage, staging, and parking areas. Off-road traffic outside of these designated areas shall be prohibited.
3. Standard best management practices shall be implemented during all maintenance activities, especially those pertaining to dust control, erosion control, and stormwater pollution prevention. If equipment is parked overnight then a drip pan, or some other form of protection, shall be placed under the vehicle in order to contain any drips, leaks, and or spills. All food and maintenance trash shall be removed from the site daily. Please contact EMD, at (909) 387-7897, with any questions.

It is our opinion that the proposed Seres Ave and Other Roads Project meets the criteria for an exemption under Section 15301(c) and 15302(c) of the CEQA Guidelines. To complete the Categorical Exemption process, we recommend that a Notice of Exemption, together with the required fee, be filed with the Clerk of the Board of Supervisors of the County of San Bernardino. A Notice of Exemption to be filed is included with this IOM. Should you need further information or have any questions, please contact AJ Gerber, Planner at x78109, who coordinated this review.

AP:AJ:kc

Attachments:

1. Notice of Exemption
2. Regional/Vicinity & Project Location Map

Notice of Exemption

To: ☐ Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

From: San Bernardino County
Department of Public Works
Environmental Management Division
825 E. Third Street, Room 123
San Bernardino, CA 92415-0835

☒ Clerk of the Board of Supervisors
San Bernardino County
385 North Arrowhead Avenue, Second Floor
San Bernardino, CA 92415-0130

Project Description

Project Title: Ceres Ave. and Other Roads Project (H15155)

Project Location: The project will occur over approximately 19 miles of roads in unincorporated area of Fontana in San Bernardino County. (See attached Location Map).

Project Description: The San Bernardino County Public Works Department proposes pavement rehabilitation to approximately 19 miles of roads, tree removal, repairing or reconstructing sidewalks, curbs, gutters, asphalt concrete dike, driveway approaches at various locations, and painting pavement striping and markings in the unincorporated area of Fontana in San Bernardino County. (See Attachment 2 Location Map). Equipment planned for use on this project will included but is not limited to: Tractors, asphalt pavers, backhoes, and dump trucks. No traffic detours or nighttime construction are planned at this time. No relocation of utilities is anticipated. Construction activities will occur on existing roads, sidewalks and previously disturbed areas. Construction duration is anticipated for approximately three (3) months.

Applicant

San Bernardino County Dept of Public Works

825 E. Third Street

Address

San Bernardino, CA 92415-0835

(909) 387-8109

Phone

Representative

AJ Gerber

Name

Same as Applicant

Address

Same as Applicant

Phone

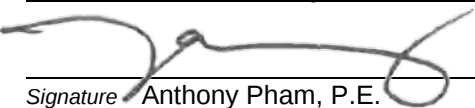
Anthony Pham, P.E.
Lead Agency Contact Person

(909) 387-8109

Exempt Status: (check one)

- ☐ Ministerial [Sec. 21080(B)(1); 15268];
☐ Declared Emergency [Sec. 21080(B)(3); 15269(a)];
☐ Emergency Project [Sec. 21080(B)(4); 15269(b)];
☒ Categorical Exemption. State type and section: Class 1 Categorical Exemption Section 15301(c) Existing Facilities and Class 2, 15302(c) Replacement or Reconstruction
☐ Statutory Exemptions. State code number: _____
☐ Other Exemption: _____

Reasons why project is exempt: Section 15301(c) PRC: The proposed project consists of routine maintenance & improvements of existing public streets, sidewalks, and gutters. Also, Section 15302(c) PRC: Replacement or reconstruction of existing structures and facilities.


Signature Anthony Pham, P.E.

Chief, Environmental Mgmt. Div.

Title

12/5/2022

Date

☒ Signed by Lead Agency ☐ Signed by Applicant

Date received for filing at OPR: N/A



CITY OF FONTANA
Department of Engineering
 8353 Sierra Avenue, Fontana CA 92335
 Phone (909) 350-7610
engineering@fontana.org

**EXCAVATION
 AND
 TRAFFIC CONTROL
 PERMIT
 APPLICATION**

PROJECT INFORMATION

Address & Project Location:		Staff Use Only ENGINEERING PERMIT No.:											
Work Order No.:													
Proposed Start Date:	No. of Working Days:												
Description of Work:													
<table border="1"> <tr> <td>☐ Yes ☐ No</td> <td>Traffic Control Only (No Excavation)</td> <td rowspan="5"> Note: If traffic control for the project is beyond the scope of the CATTCH manual or if it involves a road closure, then traffic control plans will be required. </td> </tr> <tr> <td>☐ Yes ☐ No</td> <td>Will the project cause complete street closure?</td> </tr> <tr> <td>☐ Yes ☐ No</td> <td>Is the project located adjacent to Kaiser Hospital or School?</td> </tr> <tr> <td>☐ Yes ☐ No</td> <td>Is the project located adjacent to a signalized intersection?</td> </tr> <tr> <td>☐ Yes ☐ No</td> <td>Is the project for a small cell / wireless location?</td> </tr> </table>			☐ Yes ☐ No	Traffic Control Only (No Excavation)	Note: If traffic control for the project is beyond the scope of the CATTCH manual or if it involves a road closure, then traffic control plans will be required.	☐ Yes ☐ No	Will the project cause complete street closure?	☐ Yes ☐ No	Is the project located adjacent to Kaiser Hospital or School?	☐ Yes ☐ No	Is the project located adjacent to a signalized intersection?	☐ Yes ☐ No	Is the project for a small cell / wireless location?
☐ Yes ☐ No	Traffic Control Only (No Excavation)	Note: If traffic control for the project is beyond the scope of the CATTCH manual or if it involves a road closure, then traffic control plans will be required.											
☐ Yes ☐ No	Will the project cause complete street closure?												
☐ Yes ☐ No	Is the project located adjacent to Kaiser Hospital or School?												
☐ Yes ☐ No	Is the project located adjacent to a signalized intersection?												
☐ Yes ☐ No	Is the project for a small cell / wireless location?												
CA Temporary Traffic Control Handbook: Latest Edition (CATTCH) proposed for this project: Drawing No: _____ (Provide Sheet(s))													

APPLICANT

Contact Person:		
Phone:	Mobile:	Email:
Company Name:		
Address:		

CONTRACTOR

Contact Person:		
Phone:	Mobile:	Email:
Company Name:		
Address:		
		City Business License No.
		State License No.
		General Liability Insurance Carrier
		Workers Compensation Insurance Carrier

Note: A copy of the State License, General Liability & Workers Comp. must be submitted. Add City as additionally insured/indemnify against liability.



City of Fontana

TRAFFIC CONTROL/LANE CLOSURE PERMIT REQUIREMENTS

A Traffic Control Permit is required for all work within the public right of way. Traffic control permits shall be obtained from the City of Fontana Department of engineering prior to the start of any/all work. Please submit a completed [Permit-Application to engineering@fontana.org](mailto:engineering@fontana.org) or call (909) 350-7610 for submittal instructions.

Inspection coordination shall be requested at least two working days prior to the start of any work in the public right-of-way. Inspections may be called into our IVR system at (909)350-7693; permit number is required, or via our eTrakit portal at <https://etrakit.fontana.org/etrakit/>. We are unable to accommodate same-day inspection requests.

Contractor Requirements Before a Traffic Control/Lane Closure Permit is issued, the contractor shall obtain a City of Fontana Business license, provide a copy of their Contractor's License (Class A or C only – no B license), and provide proof of General Liability insurance and Workers Compensation insurance. In addition, the City of Fontana shall be named as additional insured. Insurance requirements include:

- Minimum \$1,000,000 General Liability
- Minimum \$1,000,000 Workers Compensation

These requirements apply to all contractors (including sub-contractors) working within the City.

Minor Projects that are determined to have minimal traffic impact will generally not require a Traffic Control Plan submittal. The applicant can use, as guidance for temporary traffic controls, the California Temporary Traffic Control Handbook (CATTCH). Note: This was formerly known as the California Joint Utility Traffic Control Manual. Simply list the most appropriate drawing number on the application. This handbook can be located online at: https://www.sce.com/sites/default/files/inline-files/tcm_0.pdf. The permittee can also use the Manual of Uniform Traffic Control Devices as a guide to the placement of temporary traffic control devices.

Major Projects involving traffic control beyond the scope of the CATTCH handbook or the MUTCD will generally require engineered Traffic Control Plans. Such projects can include:

- Work within or close to signalized intersections
- Road closures requiring detour routes

If an engineered Traffic Control Plan is required, the City will require at least two weeks to review and process. Engineered traffic control plans shall include:

- Existing roadway geometry and traffic controls
- Proposed temporary traffic control signing & striping (including spacing dimensions)
- The restriction of parking as necessary
- Work hours (as approved by the City) and project duration
- General notes (as provided by the City)
- Contact information
- Jurisdictional boundaries (as necessary)

Permittee Responsibility

It is the responsibility of the permittee performing work on, or adjacent to, a roadway to install and maintain appropriate work zone temporary traffic control devices as necessary to provide safe passage for the traveling public (including pedestrians and bicyclists) through the work zone, as well as for the safeguard of workers.

Advance Notification

Any project causing a significant traffic impact will require the placement of Changeable Message Signs as well as the notification of emergency services, schools, transportation services and impacted residents. Notification shall be made a minimum of a week prior to starting work. Advance notifications shall be reviewed and approved by engineering staff.

Restricting Parking

If it is necessary to restrict parking, the contractor shall post signs a minimum of 48 hours prior to beginning work. Signs shall include restriction dates, times, the name of the contractor (or utility) and contact information.

Work Times are determined on a case-by-case basis. In general, no work shall encroach into the travel lane of a major street between the hours of 7:00 a.m. to 8:30 a.m. or from 3:30 p.m. to 6:00 p.m. Night work, when required, is limited to the hours of 9 p.m. to 5 a.m. Work times within the vicinity of schools will be restricted to avoid contributing to school zone congestion.

Applications for Multiple Locations will not be accepted. In order to track work within the City and provide inspection services, we require a separate application for each individual work location.

Fees

The application fee is \$98.

The fee to review utility traffic control plans is \$100.

The fee to review engineered traffic control plans is \$400.

Plan check fees, if applicable, are determined by the type of plan. Inspection fees are determined by the project hours and duration. Traffic signal operations fees may also apply. These fees are billed per the City's comprehensive fee schedule.

Dig Alert

It is the responsibility of the permittee to notify Dig Alert at least 48 hours prior to beginning any excavations.

Damages to any City facilities (sewer, storm drain, landscape, landscape irrigation, etc.) shall be repaired by the City and charged to the contractor.

Trench repair shall be in accordance with City Design Standard 1008.

Responsibility to Maintain Temporary Traffic Control Devices It is the responsibility of the contractor to maintain temporary traffic control devices throughout the course of the project to the satisfaction of the Engineer. The contractor shall be responsible for any defective work, materials or equipment corrected, repaired or replaced within three (3) hours after notification by the Engineer. If the contractor is not capable of making such repairs and/or adjustments to the satisfaction of the Engineer within this time frame, the Engineer will order City or other qualified Engineers or technicians to make immediate repairs and/or adjustments. The contractor will be charged the entire cost of the work performed by City or other qualified personnel (if paid by the City). The work performed by City or other qualified personnel will in no way waive maintenance responsibilities of the contractor.

Restoration of Traffic Control Devices

The applicant is responsible for restoring to original condition all striping, legends, signs and any other existing traffic control devices at the end of the work shift and at the end of the project. This includes any traffic control devices damaged by any means or rendered ineffective. Replacement or repair shall be per current City Standards.

Plans and Specifications

Contractors are required to have a copy of the Permit, Plans and Specifications at the Work site at all times. This includes any approved traffic control plans, detour plans, or any referenced plans from the WATCH manual, the CATTCH manual or the MUTCD. Any contractor failing to have these items will be shut down.

TRAFFIC CONTROL NOTIFICATION LIST

Organization	Contact	Phone/Fax/E-Mail
City of Fontana, Engineering		
8353 Sierra Ave		Phone: (909) 350-7610
Fontana, CA 92335		Fax: (909) 350-7676
Jeff Kim	Engineering Manager	jkim@fontana.org
Travis Robertson	Inspection Supervisor	TRobertson@fontana.org
David Teater	Associate Engineer, Traffic	dteater@fontana.org
Darrin Huggins	Supervising Traffic Specialist	dhuggins@fontana.org
Dave Perez	Senior Traffic Technician	dperez@fontana.org
Kyle Scribner	Senior Engineer	kscribner@fontana.org
City of Fontana, Public Works		
16489 Orange Way		Phone: (909) 350-6760
Fontana, CA 92335		Fax: (909) 350-6755
Todd Heagstedt	Utilities & Streets Supervisor	ttheagstedt@fontana.org
Rob Rigby	Utilities & Streets Supervisor	rrigby@fontana.org
City of Fontana, Police Department		
17005 Upland Ave		Phone: (909) 350-7700
Fontana, CA 92335		Fax: (909) 356-8700
Kurt Schlotterbeck	Traffic Sergeant	kschlotterbeck@fontana.org
Wendy Hostetter	Dispatch Supervisor	whostetter@fontana.org
San Bernardino County Fire		
1743 W Miro Way		Phone: (909) 356.3805
Rialto, CA 92376		
Jeff Birchfield	Division Chief	jbirchfield@sbcfire.org
San Bernardino County Sheriff		
17780 Arrow Boulevard		Phone: (909) 356-6767
Fontana, CA 92335	Dispatch-Fontana	font-pic@sbcasd.org
California Highway Patrol		
13982 Victoria Street	Dispatch	Phone: (909) 428-5400
Fontana, CA 92336	Dispatch	talrodriguez@chp.ca.gov
		rkingston@chp.ca.gov
American Medical Response		
7925 Center Ave		Phone: (800) 474-1777
Rancho Cucamonga, CA 91730		Fax: (909) 945-5183
	Dispatch Supervisors	sanbernardinocountycommsupervisors@amr.net

Fontana School District Police

9680 Citrus Ave
Fontana, CA 92335

Julie Lewis

Dispatch Supervisor

Phone: (909) 357-7600 x29064

LewiJR@fUSD.net
FSPDispatch@fUSD.net

Fontana School District

9851 Catawba Ave
Fontana, CA 92335

Randal Bassett

Matthew Strother

Mary Stevens

Timothy DeLand

Jennifer Morris

Superintendent

Executive Director FMOT

Director, Transportation

Director, Facilities

Facilities Planning Technician

Phone: (909) 357-7600

Randal.Bassett@fUSD.net
MattS@fUSD.net
Mary.Stevens@fUSD.net
Timothy.DeLand@fUSD.net
Jmorr5@fUSD.net

Etiwanda School District

6061 East Avenue
Etiwanda, CA 91739

Jay Strain

Transportation Director

Phone: (909) 899-2451

Fax: (909) 899-1235

Jay_Strain@etiwanda.k12.ca.us

Colton Joint Unified School District

1212 Valencia Dr
Colton, CA 92324

Owen Chang

Director of Facilities

Phone (909) 580-5000

Owen_Chang@cjud.net

Chaffey Joint Union High School District

211 W Fifth Street
Ontario CA 91762

Brice Sunderland

Transportation Director

Phone: (909) 988-8511

Fax: (909) 984-1164

brice.sunderland@cjuhsd.net

Rialto Unified School District

182 E. Walnut Avenue
Rialto, CA 92376

Martha Degorta

Executive Adm Agent

Phone: (909) 820-7700

mdegorta@rialtousd.org

Chaffey College

16855 Merrill Ave
Fontana, CA 92335

Roni Osifeso Petersen

Administrative Assistant

Phone: (909) 652-7400

roni.osifeso@chaffey.edu

Burrtec Waste

9820 Cherry Ave
Fontana, CA 92335

Norma Carrillo

Dispatch

Phone: (909) 822-9739

Fax: (909) 429-4291

ranchocs@burrtec.com

Omnitrans

1700 West Fifth St
San Bernardino, CA 92411
Craig Butler

Stop & Station Supervisor

Phone: (909) 379-7153
Fax: (909) 888-0524
craig.butler@omnitrans.org

Fontana Post Office
8282 Sierra Ave
Fontana, CA 92335
Matthew Weaver
Amanda Murillo

(North of IS-10)

Carrier Supervisor
Carrier Supervisor

Phone: (909) 822-8030
Phone: (909) 822-0737
Fax: (909) 822-1373
matthew.m.weaver@usps.gov
amanda.k.murillo@usps.gov

Fontana Post Office
16731 Santa Ana Ave
Fontana, CA 92337
Joseph Smith

(South of IS-10)

Manager

Phone: (909) 350-3466
Fax: (909) 350-3855

joseph.smith2@usps.gov

Caltrans
Terri Kasinga

Public Affairs

terri.kasinga@dot.ca.gov

NOT FOR BID

Standard and Special Drawings
(Green Pages)

inserted here

LIST OF STANDARD AND SPECIAL DRAWINGS (GREEN PAGES)

NOTICE TO RESIDENTS (ENGLISH / SPANISH)

LOCATION MAP (Sheet 1 of 72)

NOTES, LEGEND AND ABBREVIATIONS (Sheet 2 of 72)

LIST OF STREETS (Sheet 3 - 6 of 72)

TYPICAL SECTIONS (Sheet 7 - 10 of 72)

MISCELLANEOUS DETAIL DRIVEWAY (Sheet 11 of 72)

EDGE OF PAVEMENT (Sheet 12 of 72)

TYPICAL INTERSECTION DETAIL (Sheet 13 of 72)

TRAFFIC CONTROL NOTES (Sheet 14 of 72) ROAD

REPAIR SCHEMATIC (Sheet 15 - 72 of 72)

SAN BERNARDINO COUNTY STANDARDS AND SPECIAL DRAWINGS

109

115 Modified

116 Modified

117 Modified

117a Modified

128a

305a

303b

CALIFORNIA 2014 MUTCD (PROVISION 6)

Figure 2A-2(CA)

Figure 3B-102(CA)

Figure 3F-101 (CA)

Figure 3H-101(CA)

Figure 6H-28

Figure 6H-29

Section 6D.01 — 6D.03

CALTRANS STANDARD PLANS 2018

T9 T10 T13

A20A A20B

A24C A24D A24E A24F

TCD TABLE



NOTICE TO THE RESIDENTS OF CERES AVE AND OTHER ROADS

The County of San Bernardino Department of Public Works has contracted with (Company name) for the (type of work) of (name of road) in the (city) and (state). 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