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The Bid Package contains **8** Project Plans for this project.

**California Department of Transportation**

ADMINISTRATION

DIVISION OF PROCUREMENT AND CONTRACTS

1727 30<sup>th</sup> STREET, MS 65

SACRAMENTO, CA 95816-7006

PHONE (916) 227-6000

TTY 711

<https://dot.ca.gov/programs/procurement-and-contracts/>**Invitation for Price Quote (IFPQ)****Contract No. 12A2267****Quote Due Date: Wednesday, February 26, 2025****Prospective Contractors:**

California Department of Transportation (Caltrans/Department) has issued the enclosed Invitation for Price Quote (IFPQ) for services described in the enclosed proposed contract.

Please read the entire contract package and all attachments carefully. If you desire to submit a quote, complete the Price Quote sheet and email it to the Analyst listed in the IFPQ. Your signature affixed to and dated on the quote proposal shall constitute a certification under penalty of perjury, unless exempted, that you have complied with the nondiscrimination program requirements of Government Code Section 12990 and Title 2, California Code of Regulations, Section 11102, and the nondiscrimination program requirements of Title VI of the Civil Rights Act of 1964, 49 Code of Federal Regulations (CFR) Part 21, and 23 CFR Part 200.

Award of this contract will be to the lowest responsible contractor whose quote complies with all requirements as described in this IFPQ.

If your bid is more than \$461,000.00, it will be rejected per Public Contract Code Section 10105(b).

**Contractor must be a Certified Small Business at the time of the quote date.**

Invitation for Price Quote

**California Department of Transportation**

ADMINISTRATION

DIVISION OF PROCUREMENT AND CONTRACTS

1727 30th Street, MS 65

SACRAMENTO, CA 95816-7006

PHONE (916) 227-6000

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<https://dot.ca.gov/programs/procurement-and-contracts/>**General Contractors Instructions/Checklist****Solicitation No. 12A2267**

A complete bid or bid package will consist of the items identified below.

Complete this checklist to confirm the items in your bid package. Place a check mark or "X" next to each item that you are submitting to Caltrans. All attachments identified below (unless noted otherwise) are required and must be attached in your Bid Package submittal (links to documents are not acceptable), or your bid may be considered non-responsive. It is the prospective contractor's responsibility to confirm receipt of their bid before the time the bid is due. Omission of documents or bids lost during transmission will be deemed non-responsive.

**Return this checklist with your bid package.**

**Quotes omitting this information may be regarded as non-responsive and rejected.**

Do **not** submit company advertisements, brochures, informational pamphlets, or any other document unless specifically noted in the IFPQ Requirements and/or as listed below.

- ☐ Price Quote Proposal for Unit Items (ADM-1509). Complete and sign the Price Quote Proposal for Unit Item Sheet(s).
- ☐ Subcontractor List (DES-OE-0102.2.C) can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=DESOE0102.2C>. List all subcontractors, including DVBES, as applicable to the requirements of this solicitation.
- ☐ Contract Requirements (ADM-0378) must be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=DOTADM0378>
- ☐ Small Business Status (DOT DES-OE-0102.4) can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/showForm2?frmid=DOTDESOE0102.4>.
- ☐ California Company Preference (DES-OE-0102.9) can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=DESOE0102.9>.
- ☐ Certified DVBE Summary (DOT ADM-4015) can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/showForm2?frmid=DOTADM4015>.
- ☐ Contractor Certification Clauses (CCC 04/2017) can be downloaded at <https://www.dgs.ca.gov/OLS/Resources/Page-Content/Office-of-Legal-Services-Resources-List-Folder/Standard-Contract-Language>.
- ☐ California Civil Rights Laws Certification (DOT ADM-0076) must be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=DOTADM0076>.
- ☐ Darfur Contracting Act Certification (DOT ADM-0077) must be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=DOTADM0077>.
- ☐ DOT DES-OE-0102.14 In-Use Off-Road Diesel-Fueled Vehicle List can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/showForm2?frmid=DOTDESOE010214>.
- ☐ GenAI Reporting and Factsheet (STD 1000)  
[GenAI Reporting and Factsheet \(STD 1000\)](#)

**The following forms and information will be required at the time of contract award and signature.**

- ☐ Payment Bond (ADM-2009) must be downloaded at  
<https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=DOTADM2009>
- ☐ Certificate(s) of Insurance  
Postconsumer-Content Certification (CalRecycle 74) can be downloaded at  
<https://www.google.com/url?client=internal-element-cse&cx=017557373779849962485:erv3s56gka0&q=https://www2.calrecycle.ca.gov/Docs/Web/111480&sa=U&ved=2ahUKEwiK0-qnv6IAxWPKkQIHcH3HilQFnoEACAcQAQ&usg=AOvVaw37dYPswR47anIRTKPDvXb>.
- ☐ Payee Data Record (STD 204) can be downloaded at  
<https://www.documents.dgs.ca.gov/dgs/fmc/pdf/std204.pdf>. This form is designed to allow vendors to self-report information needed for accurate and complete reporting of vendor payment income. Completion of this form is required by all vendors providing goods and/or services to the State of California.

**Contract Will Not Be Executed Without These Documents.**

**STANDARD AGREEMENT**

STD 213 (Rev. 04/2020)

AGREEMENT NUMBER  
12A2267

PURCHASING AUTHORITY NUMBER (If Applicable)

1. This Agreement is entered into between the Contracting Agency and the Contractor named below:

CONTRACTING AGENCY NAME

California Department of Transportation

CONTRACTOR NAME

2. The term of this Agreement is:

START DATE

TBD

THROUGH END DATE

3. The maximum amount of this Agreement is:

4. The parties agree to comply with the terms and conditions of the following exhibits, which are by this reference made a part of the Agreement.

Exhibits	Title	Pages
	<b>PROPOSED FORM OF AGREEMENT</b>	
	<b>DO NOT COMPLETE</b>	
	Continued on the following sheets, each bearing the Agreement/Contract number.	
+	The provisions on the following pages hereof constitute a part of the Agreement	
-		
+		
-		

Items shown with an asterisk (\*), are hereby incorporated by reference and made part of this agreement as if attached hereto.

These documents can be viewed at <https://www.dgs.ca.gov/OLS/Resources>

IN WITNESS WHEREOF, THIS AGREEMENT HAS BEEN EXECUTED BY THE PARTIES HERETO.

**CONTRACTOR**

CONTRACTOR NAME (if other than an individual, state whether a corporation, partnership, etc.)

CONTRACTOR BUSINESS ADDRESS

CITY

STATE

ZIP

PRINTED NAME OF PERSON SIGNING

TITLE

CONTRACTOR AUTHORIZED SIGNATURE

DATE SIGNED

Signature

1. Contractor agrees to indemnify, defend, and save harmless the State, its officers, agents, and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, materialmen, laborers and any other person, firm or corporation furnishing or supplying work services, materials or supplies in connection with the performance of this contract, and from any and all claims and losses accruing or resulting to any person, firm or corporation who may be injured or damaged by Contractor in the performance of this contract.
2. Contractor, and the agents and employees of Contractor, in the performance of the Agreement, shall act in an independent capacity and not as officers or employees or agents of State of California.
3. The State may terminate this agreement and be relieved of the payment of any consideration to Contractor should Contractor fail to perform the covenants herein contained at the time and in the manner herein provided. In the event of such termination the State may proceed with the work in any manner deemed proper by the State. The cost to the State shall be deducted from any sum due Contractor under this agreement, and the balance, if any, shall be paid Contractor upon demand.
4. Without the written consent of the State, this Agreement is not assignable by Contractor either in whole or in part.
5. Time is of the essence in this Agreement.
6. No alteration or variation of the terms of this contract shall be valid unless made in writing and signed by the parties hereto, and no oral understanding or agreement not incorporated herein, shall be binding on any of the parties hereto.
7. The consideration to be paid Contractor, as provided herein, shall be in compensation for all of Contractor's expenses incurred in the performance hereof, including travel and per diem, unless otherwise expressly so provided.



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

# Notice to Bidders And Special Provisions

For Construction On State Highway In Orange County In Newport Beach From  
Jamboree Road Overcrossing To Birch Street Overcrossing  
In District 12 On Route 73  
Under

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Project plans approved January 22, 2025

Standard Specifications dated 2024

Standard Plans dated 2024

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Identified by  
Contract No. 12A2267  
12-Ora-73-24.8/25.4  
Project ID 1224000122

Small Business Minor B Solicitation

Quotes open: Wednesday, February 26, 2025  
Dated: February 11, 2025

Revised 10/31/2024

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# SPECIAL NOTICES

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## **California Civil Rights Laws**

Any person that submits a bid or proposal to, or otherwise proposes to enter into or renew a contract with a State agency with respect to any contract in the amount of one hundred thousand dollars (\$100,000) or more shall certify, under penalty of perjury, at the time the bid or proposal is submitted or the contract is renewed, that they satisfy all of the conditions set forth in California Public Contract Code Section 2010 and they shall execute the Certification attached.

## **Assumption of Risk and Indemnification Regarding Exposure to Environmental Health Hazards**

In addition to, and not a limitation of, Contractor's indemnification obligations contained elsewhere in this Agreement, Contractor hereby assumes all risks of the consequences of exposure of Contractor's employees, agents, Subcontractors, Subcontractors' employees, and any other person, firm, or corporation furnishing or supplying work services, materials, or supplies in connection with the performance of this Agreement, to any and all environmental health hazards, local and otherwise, in connection with the performance of this Agreement. Such hazards include, but are not limited to, bodily injury and/or death resulting in whole or in part from exposure to infectious agents and/or pathogens of any type, kind, or origin. Contractor also agrees to take all appropriate safety precautions to prevent any such exposure to Contractor's employees, agents, Subcontractors, Subcontractors' employees, and any other person, firm, or corporation furnishing or supplying work services, materials, or supplies in connection with the performance of this Agreement. Contractor also agrees to indemnify and hold harmless Caltrans, the State of California, and each and all of their officers, agents, and employees, from any and all claims and/or losses accruing or resulting from such exposure. Except as provided by law, Contractor also agrees that the provisions of this paragraph shall apply regardless of the existence or degree of negligence or fault on the part of Caltrans, the State of California, and/or any of their officers, agents, and/or employees.

## **Mandatory Organic Waste Recycling**

It is understood and agreed that pursuant to Public Resources Code Sections 42649.8 et seq., if Contractor generates two (2) cubic yards or more of organic waste or commercial solid waste per week, Contractor shall arrange for organic waste recycling services or commercial waste recycling services that separate/source organic waste recycling. Contractor shall provide proof of compliance, i.e. organic waste recycling services or commercial waste recycling services that separate/source organic waste recycling, upon request from Caltrans Contract Manager.

## **ADA Compliance**

All entities that provide electronic or information technology or related services that will be posted online by Caltrans must be in compliance with Government Code Sections 7405 and 11135 and the Web Content Accessibility Guidelines (WCAG) 2.0 or subsequent version, published by the Web Accessibility Initiative of the World Wide Web Consortium at a minimum Level AA success. All entities will respond to and resolve any complaints/deficiencies regarding accessibility brought to their attention.



### **Satisfying a Self-Insured Retention (SIR)**

All insurance required by this Agreement must allow, but not require, the State to pay any SIR and/or act as Contractor's agent in satisfying any SIR. The choice to pay any SIR and/or act as Contractor's agent in satisfying any SIR is at the State's discretion. If the State chooses to pay any SIR and/or act as Contractor's agent in satisfying any SIR, Contractor shall reimburse the State for the same.

### **Available Coverages/Limits**

In the event the insurance coverages obtained by Contractor is broader in scope than, and/or the limits are higher than, those required under the Agreement, all such broader coverage and/or higher limits available to the Contractor shall also be available and applicable to the State.

### **Electronic Signatures**

Each party agrees that the electronic signatures, whether digital or encrypted, of the parties included in this Agreement are intended to authenticate this writing and to have the same force and effect as manual signatures for this Agreement. Documents that are referenced by this Agreement may still require manual signatures.

### **Executive Order N-6-22 – Russia Sanctions**

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, as well as any sanctions imposed under state law. By submitting a bid or proposal, Contractor represents that it is not a target of Economic Sanctions. Should the State determine Contractor is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for rejection of Contractor's bid/proposal any time prior to contract execution, or, if determined after contract execution, shall be grounds for termination by the State.

### **Executive Order N-12-23 – Generative Artificial Intelligence (GenAI) Technology Use and Reporting**

- A. The State of California seeks to realize the potential benefits of GenAI, through the development and deployment of GenAI tools, while balancing the risks of these new technologies.
- B. Bidder / Offeror / Contractor must notify the State in writing if their solution or service includes, or makes available, any GenAI including GenAI from third parties or subcontractors.
- C. The State has developed a [GenAI Reporting and Factsheet \(STD 1000\)](#) to be completed by the Bidder / Offeror / Contractor.
- D. Failure to submit the GenAI Reporting and Factsheet (STD 1000) will result in disqualification of the Bidder / Offeror / Contractor.
- E. Failure to report GenAI to the State may void any resulting contract. The State reserves its right to seek any and all relief it may be entitled to as a result of such non-disclosure.
- F. Upon receipt of a Bidder / Offeror / Contractor GenAI Reporting and Factsheet (STD 1000), the state reserves the right to incorporate GenAI Special Provisions into the final contract or reject bids/offers that present an unacceptable level of risk to the state.

### **Standard Title VI/Nondiscrimination Assurances (DOT Order No. 1050.2A)**

California Department of Transportation, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 USC Sections 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

**Bid Bonds**

Bid bonds are only required for agreements over \$461,000.00. Contractors are no longer required to purchase and submit a Bid Bond when bidding on Minor B Projects. Section 2-1.34 of the 2024 Standard Specifications is not applicable to Minor B Projects.

**Waste Disposal**

Prior to the commencement of waste disposal, Contractor must adhere to the provisions highlighted in Senate Bill 1383 (Lara) of 2016 Title 14, CCR, General Provisions section 18981.2, Public Resources Code sections 42652 et. Seq.

The special provisions contained herein have been prepared by or under the direction of the following Registered Persons.

**ROADWAY**

*Tom Nguyen*

12/09/2024

REGISTERED CIVIL ENGINEER

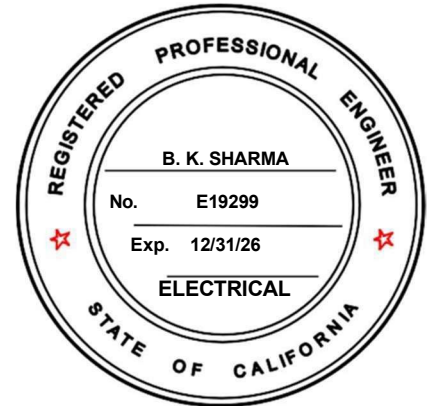


**ELECTRICAL**

*Barjesh Sharma*

12/11/2024

REGISTERED ELECTRICAL ENGINEER



**TRAFFIC OPERATION**

*M. Alam*

12/11/2024

REGISTERED CIVIL ENGINEER

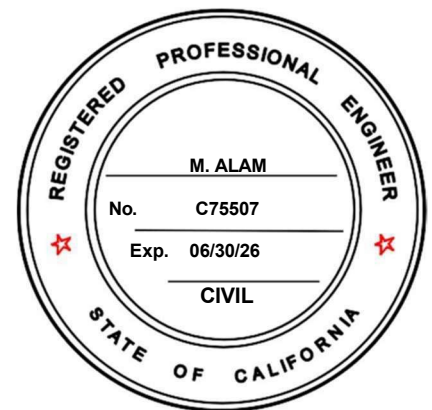


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## STANDARD PLANS LIST

The standard plan sheets applicable to this Contract include those listed below. When applicable, revised standard plans (RSPs) listed below are included in the project plans.

### ABBREVIATIONS, LINES, SYMBOLS, AND LEGEND

<b>A3A</b>	<b>Abbreviations (Sheet 1 of 3)</b>
<b>A3B</b>	<b>Abbreviations (Sheet 2 of 3)</b>
<b>A3C</b>	<b>Abbreviations (Sheet 3 of 3)</b>
<b>A10A</b>	<b>Legend - Lines and Symbols (Sheet 1 of 5)</b>
<b>A10B</b>	<b>Legend - Lines and Symbols (Sheet 2 of 5)</b>
<b>A10C</b>	<b>Legend - Lines and Symbols (Sheet 3 of 5)</b>
<b>A10D</b>	<b>Legend - Lines and Symbols (Sheet 4 of 5)</b>
<b>A10E</b>	<b>Legend - Lines and Symbols (Sheet 5 of 5)</b>

### CURBS, DRIVEWAYS, DIKES, CURB RAMPS AND ACCESSIBLE PARKING

<b>A87A</b>	<b>Curbs and Driveways</b>
<b>A87B</b>	<b>Hot Mix Asphalt Dikes</b>

### TEMPORARY CRASH CUSHIONS, RAILING AND TRAFFIC SCREEN

<b>T1A</b>	<b>Temporary Crash Cushion, Sand Filled (Unidirectional)</b>
<b>T1A1</b>	<b>Temporary Crash Cushion, Sand Filled (Unidirectional)</b>
<b>T1B</b>	<b>Temporary Crash Cushion, Sand Filled (Bidirectional)</b>
<b>T2</b>	<b>Temporary Crash Cushion, Sand Filled (Shoulder Installations)</b>
<b>T3A</b>	<b>Temporary Railing (Type K)</b>
<b>T3B</b>	<b>Temporary Railing (Type K)</b>
<b>T3C</b>	<b>Temporary Barrier System (Cross Bolt)</b>
<b>T3D</b>	<b>Temporary Barrier System (Cross Bolt)</b>
<b>T3E</b>	<b>Temporary Barrier System (Cross Bolt)</b>
<b>RSP T3F</b>	<b>Temporary Barrier System (Cal F-23)</b>
<b>RSP T3F2</b>	<b>Temporary Barrier System (Cal F-23)</b>
<b>RSP T3G</b>	<b>Temporary Barrier System (Staking or Anchoring)</b>
<b>RSP T3G2</b>	<b>Temporary Barrier System (Staking or Anchoring)</b>

### TEMPORARY TRAFFIC CONTROL SYSTEMS

<b>T9</b>	<b>Traffic Control System Tables for Lane and Ramp Closures</b>
<b>T10</b>	<b>Traffic Control System for Lane Closure on Freeways and Expressways</b>

### ROADSIDE SIGNS

<b>RS1</b>	<b>Roadside Signs - Typical Installation Details No. 1</b>
<b>RS2</b>	<b>Roadside Signs - Wood Post - Typical Installation Details No. 2</b>
<b>RS4</b>	<b>Roadside Signs - Typical Installation Details No. 4</b>

### ELECTRICAL SYSTEMS - LEGEND AND ABBREVIATIONS

<b>ES-1A</b>	<b>Electrical Systems (Legend)</b>
<b>ES-1B</b>	<b>Electrical Systems (Legend)</b>
<b>ES-1C</b>	<b>Electrical Systems (Legend)</b>

### ELECTRICAL SYSTEMS - CONTROLLER CABINETS

<b>ES-3C</b>	<b>Electrical Systems (Controller Cabinet Foundation and Pad Details)</b>
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**ELECTRICAL SYSTEMS - PULL BOX**

<b>ES-8A</b>	<b>Electrical Systems (Non-Traffic Pull Box)</b>
	<b>ELECTRICAL SYSTEMS - SPLICE INSULATION METHODS, KINKING AND BANDING DETAILS</b>
<b>ES-13A</b>	<b>Electrical Systems (Splice Insulation Methods Details)</b>
	<b>ELECTRICAL SYSTEMS - CLOSED CIRCUIT TELEVISION POLE AND FOUNDATION DETAILS</b>
<b>ES-16B</b>	<b>Electrical Systems (Camera Pole 25' to 45')</b>

# Notice to Bidders

Quotes open: **Wednesday, February 26, 2025**

Dated: **February 11, 2025**

General work description: **RELOCATE OR PROTECT EXISTING CAMERA POLE AND ELECTRICAL CABINET**

The Department of Transportation (Department) will receive quotes for **CONSTRUCTION ON STATE HIGHWAY IN ORANGE COUNTY IN NEWPORT BEACH FROM JAMBOREE ROAD OVERCROSSING TO BIRCH STREET OVERCROSSING.**

District-County-Route-Post Mile: **12-Oran-73-24.8/25.4**

Prime Contractor must have either a **Class A license** or an **applicable Class C license**.

Prime Contractor must be a certified Small Business under Section 2-1.04.

Department establishes no DVBE Contract goal but encourages bidders to obtain DVBE participation.

Bids must be on a unit price basis.

Complete the work within **30** working days.

The estimated cost of the project is **\$133,325.00**.

The Department will receive quotes until 2:15 p.m. on the quotes open date at:

Analyst's Email: [Jomlonglak.Kamaay@dot.ca.gov](mailto:Jomlonglak.Kamaay@dot.ca.gov)

\*Put SB Contract # in the Subject Line of the Email

Quotes received after this time will not be accepted.

No pre-bid meeting is scheduled for this project.

**Quote Packages**, including **Invitation for Quote**, **Notice to Bidders**, **Special Provisions**, and **Project Plans** are available in electronic format only. These documents may be viewed and obtained at:

Cal eProcure website: <https://caleprocure.ca.gov/pages/index.aspx>

**Standard Specifications** dated 2024

**Standard Plans** dated 2024

**Present bidders' inquiries to the District at:**

[D12.CES.CCO.Desk@dot.ca.gov](mailto:D12.CES.CCO.Desk@dot.ca.gov)

Questions about alleged patent ambiguity of the plans, specifications, or estimate must be asked before bid opening. After bid opening, the Department does not consider these questions as bid protests.

Department will open bids under Section 2-1.43.

There will be no public opening of quotes. Quotes results will not be listed on the Internet.

Request quote results at:

Analyst Name: Jomlonglak Kamaay

Email: [Jomlonglak.Kamaay@dot.ca.gov](mailto:Jomlonglak.Kamaay@dot.ca.gov)

Phone: (279) 234-2503

District office addresses are provided in the **Standard Specifications**.

Prevailing wages may be required on this Contract under Section 7-1.02K(2). The Director of the California Department of Industrial Relations (DIR) determines the general prevailing wage rates. Obtain the wage rates at the DIR website, <http://www.dir.ca.gov>, or from the Department's Labor Compliance Office of the district in which the work is located at <https://dot.ca.gov/programs/construction/labor-compliance>.

Department has made available Notices of Suspension and Proposed Debarment from the Federal Highway Administration. For a copy of the notices, go to <http://ppmoe.dot.ca.gov/des/oe/contractor-info.html>. Additional information is provided in the Excluded Parties List System at <https://www.dol.gov/ofccp/regs/compliance/preaward/debarlst.htm>.

Standard Specifications and Standard Plans may be viewed at Department's Division of Design website at <https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications>.





The **Bid Package** includes the **Invitation for Bid, Notice to Bidders**, Special Provisions, Project Plans, Revised Standard Plans, and a web link to the Standard Specifications and Standard Plans.

**Replace the 3rd paragraph of Section 2-1.06B with:**

If an **Information Handout** or cross sections are available, you may view and obtain them at the Cal eProcure website.

**Add the following to Section 2-1.10**

Submit the form with your bid.

**Replace section 2-1.11 with:**

**2-1.11 IN-USE OFF-ROAD DIESEL-FUELED VEHICLE LIST**

Section 2-1.11 applies to non-informal-bid contracts.

Complete and submit the In-Use Off-Road Diesel-Fueled Vehicle List form under section 2-1.33.

On the In-Use Off-Road Diesel-Fueled Vehicle List form, list each fleet used by you or your subcontractor to perform work and is subject to 13 CCR § 2449 et seq. Submit a copy of a valid Certificate of Reported Compliance (13 CCR § 2449, subdivision (n)) for each fleet listed on the form within 10 days of bid opening. Failure to list a fleet used by you or your subcontractor to perform work on the In-Use Off-Road Diesel-Fueled Vehicle List form may result in a nonresponsive bid. Failure to submit the Certificate of Reported Compliance for a fleet listed on the In-Use Off-Road Diesel-Fueled Vehicle List form may result in a nonresponsive bid.

**Replace Section 2-1.15 with:**

**2-1.15 Disabled Veteran Business Enterprises (DVBE)**

**2-1.15A General**

Take necessary and reasonable steps to ensure that DVBEs have opportunity to participate in the Agreement.

Comply with Military and Veterans Code Sections 999 et seq.

Department encourages bidders to obtain DVBE participation to ensure Department achieves its State-mandated overall DVBE goal.

If you obtain DVBE participation:

1. Complete and submit the Certified DVBE Summary form under with your bid. List all DVBE participation on this form.
2. List each first tier DVBE subcontractor in the Subcontractor List form, regardless of percentage of the total bid.

If a DVBE joint venture is used, submit the joint venture agreement with the Certified DVBE Summary form.

List each first tier DVBE, subcontractor on the Subcontractor List (DES-OE-0102C) regardless of percentage of the total bid.

DVBEs must be certified by the bid opening date and remain certified through contract award.





Each month, after the 15th and prior to 20th, submit the following payment information through the Department's prompt payment monitoring system at <https://caltrans.dbesystem.com>:

1. Subcontractor's or entity's business name
2. Description of work performed
  - 2.1. Bid item numbers or change order numbers
  - 2.2. Written narrative of work performed
3. Value of work performed
4. Amount paid to subcontractor or entity
5. Withhold amount, if applicable
6. Explanation of withhold reasoning, if applicable

Your subcontractors and other entities may validate payments received using the prompt payment monitoring system.

If a subcontractor's or other entity's work is in dispute, provide a written withhold notification to the subcontractor or entity and the Engineer no later than 7 days after receipt of the corresponding progress payment that includes the following:

1. Value of the disputed work
2. Amount of the withhold being taken
3. Bid item numbers or change order numbers associated with the disputed work
4. Explanation of the deficiencies of the disputed work and how the corresponding value was calculated
5. Corrective actions to be taken for release of withheld amount

The Department may request additional documentation from you to evaluate whether you applied the withhold in good faith. Submit requested documents within 10 days of receipt of request.

The Department may withhold the same amount of your withhold from a future progress pay estimate if the Department determines any of the following has occurred:

1. Withhold was not applied in good faith
2. Requested additional withhold documentation records were not provided
3. Payment information was not submitted through the prompt payment monitoring system
4. Required withhold notification was not provided

The Department may also apply a 2 percent penalty on the withhold amount for every month payment is not made.

#### **Add to the end of section 5-1.20A:**

During the progress of the work under this Contract, work under the following contracts may be in progress at or near the job site of this Contract:

#### **Coincident or Adjacent Contracts**

Contract no.	County–Route–Post Mile	Location	Type of work
12-0V330	Ora-73-PM 22.2	In Irvine, northbound off-ramp to Bonita Canyon Drive.	Signing and striping modifications.
12-0V300	Ora-73-PM 21.1	In Newport Beach, northbound off-ramp to Newport Coast Drive.	Signing and striping modifications.

Coordinate lane closures and traffic handling with the Engineer and with contractors of coincident or adjacent projects. Potential conflicts may not be limited to the contracts listed above.

**Add to the end of section 5-1.32:**

Personal vehicles of your employees must not be parked on the traveled way or shoulders, including sections closed to traffic.

**Add to Section 5-1.38:**

The Engineer will only consider a request for relief of maintenance and protection responsibility if the Engineer has suspended the work under Section 8-1.06.

**Replace Section 5-1.42 with:****5-1.42 Requests For Information (RFI)**

Submit an RFI upon recognition of any event or question of fact arising under the Contract.

The Engineer responds to the RFI within three (3) days. Proceed with the work unless otherwise ordered. You may protest the Engineer's response by:

1. Submitting a potential claim record, using the **Supplemental Potential Claim Record** form, within three (3) days after receiving the Engineer's response
2. Complying with Section 5-1.43

**Replace Section 5-1.43 with:****5-1.43 Potential Claims and Dispute Resolution****5-1.43A General**

Minimize and mitigate impacts of potentially claimed work or event.

For each potential claim, assign an identification number determined by chronological sequencing and the first date of the potential claim.

Use the identification number for each potential claim on the **Supplemental Potential Claim Record** form.

Failure to comply with this procedure is a waiver of the potential claim and a waiver of the right to a corresponding claim for the disputed work in the administrative claim procedure.

**5-1.43B Potential Claim Record**

Submit a potential claim record, using the **Supplemental Potential Claim Record** form, within three (3) days of the Engineer's response to the RFI or within three (3) days from the date when a dispute arises due to an act or failure to act by the Engineer. The potential claim record must include the following:

1. Nature and circumstances causing the potential claim or event
2. Contract specifications supporting the basis of a claim
3. Estimated claim cost and an itemized breakdown of individual costs stating how the estimate was determined. If accurate cost figures are not available, provide an estimate, or describe the types of expenses involved.

Proceed with the potentially claimed work unless otherwise ordered. Maintain records that provide a clear distinction between costs for the disputed work and the costs of the undisputed work.

Within five (5) days of a request, provide access to the project records determined necessary by the Engineer to evaluate the potential claim.

**Delete Section 5-1.47.**

AA

## 6 Control of Materials

Replace section 6-1.04 with:

### 6-1.04 BUY AMERICA

#### 6-1.04A General

Buy America requirements do not apply to the following:

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

#### 6-1.04B Crumb Rubber (Pub Res Code § 42703(d))

Furnish crumb rubber with a certificate of compliance. Crumb rubber must be:

1. Produced in the United States
2. Derived from waste tires taken from vehicles owned and operated in the United States

#### 6-1.04C Steel and Iron Materials

Steel and iron materials must be melted and manufactured in the United States except:

1. Foreign pig iron and processed, pelletized, and reduced iron ore may be used in the domestic production of the steel and iron materials
2. If the total combined cost of the materials produced outside the United States does not exceed the greater of 0.1 percent of the total bid or \$2,500, the material may be used if authorized

Furnish steel and iron materials to be incorporated into the work with certificates of compliance and certified mill test reports. Mill test reports must indicate where the steel and iron were melted and manufactured.

All melting and manufacturing processes for these materials, including an application of a coating, must occur in the United States. Coating includes all processes that protect or enhance the value of the material to which the coating is applied.

#### 6-1.04D Manufactured Products

Iron and steel used in precast concrete manufactured products must meet the requirements of section 6-1.04C regardless of the amount used.

Iron and steel used in other manufactured products must meet the requirements of section 6-1.04C if the weight of steel and iron components constitute 90 percent or more of the total weight of the manufactured product.

#### 6-1.04E Construction Materials

The following construction materials must be produced in the United States under standards in 2 CFR 184.6:

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

All manufacturing processes for these materials as defined in 2 CFR 184.6 must occur in the United States.

Furnish construction materials to be incorporated into the work with certificates of compliance with each project delivery. Manufacturer's certificate of compliance must identify where the construction material was manufactured and attest specifically to compliance with its 2 CFR 184.6 standard.

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

AA

## **7 Legal Relations and Responsibility to The Public**

### **Add to Section 7-1.02K(2):**

Payment of prevailing wages is not required if the contract amount is:

1. \$25,000 or less for a public works construction project.
2. \$15,000 or less for the alteration, demolition, repair, or maintenance of a public works project.

If satisfactory certified payroll records are not submitted by the time the final invoice is submitted, the Department will withhold all payments due and owing the Contractor pending receipt of the records.

### **Add after the first paragraph of Section 7-1.02K(3):**

Payroll records are not to be submitted if prevailing wages are not required.

### **Add to the last paragraph of Section 7-1.02K(3):**

If progress payments are not made, and you have not submitted adequate records by the time you submit the final invoice, the Department will withhold all payments due and owing the Contractor pending receipt of such records.

### **Replace Section 7-1.02K(6)(j)(iii) with:**

#### **7-1.02K(6)(j)(iii) Unregulated Earth Material Containing Lead**

Section 7-1.02K(6)(j)(iii) includes specifications for handling, removing, and disposing of unregulated earth material containing lead. Management of this material exposes workers to health hazards that must be addressed in your lead compliance plan. This material contains average lead concentrations below 80 mg/kg total lead and below 5 mg/L soluble lead and is not regulated by DTSC as a hazardous substance or a hazardous waste. This material does not require disposal at a permitted landfill or solid waste disposal facility. The RWQCB has jurisdiction over reuse of this material at locations outside the job site limits.

Unregulated earth material exists throughout the job site.

Handle the material under all applicable laws, rules, and regulations, including those of the following agencies:

1. Cal/OSHA
2. CA RWQCB, Region 8, Santa Ana
3. CA Department of Toxic Substance Control (DTSC)

Manage the material as shown in the following table.

**Earth Material Management**

Location	Depth	Management requirements
NB 73 at Birch St.	0'-10'	Reuse all earth material on the job site.



AA

## **8 Prosecution and Progress**

### **Replace Section 8-1.02A with:**

#### **8-1.02A General**

Before or at the preconstruction conference, submit a progress schedule on a form of your choice.

On the schedule, show the order in which you propose to carry out the work, the start dates of the several salient features of the work (including procurement of materials, plant, and equipment), and the contemplated dates for completing those salient features.

If the contract is more than 60 working days, submit an update of the schedule on or before the last day of each month, showing the status of work actually completed during the period preceding the 20th of the month.

Subsequent to the time that submittal of a progress schedule is required, no progress payments will be made for any work until a satisfactory schedule has been submitted to the Engineer.

### **Delete Sections 8-1.02B and 8-1.02C.**

### **Replace the first paragraph of Section 8-1.04B with:**

Start job site activities by the date specified in the Engineer's letter providing notice that the Contract has been approved.

### **Replace Section 8-1.13 with:**

#### **8-1.13 Contractor's Control Termination**

The Department may terminate your control of the work for failure to do any of the following:

1. Supply an adequate workforce
2. Supply material as described
3. Pay subcontractors
4. Prosecute the work as described in the Contract

The Department may also terminate your control for failure to maintain insurance coverage.

For a Federal-aid project, the Department may terminate your control of the work for failure to include "Required Contract Provisions, Federal-Aid Construction Contracts" in subcontracts.

The Department gives you notice at least five (5) business days before terminating control. The notice describes the failures and the time allowed to remedy the failures. If failures are not remedied within the time provided, the Department takes control of the work.

The Department may complete the work if the Department terminates the Contractor's control or you abandon the project. The Department determines the unpaid balance under the Contract.

At any time before final payment of all claims, the Department may convert a Contractor's control termination to a Contract termination.

**Replace Section 9-1.16A with:**

No progress payment will be made when, in the opinion of the Engineer, the work is not proceeding in accordance with the specifications, or when the total value of the work done since the last estimate is less than \$5,000.

**Replace Section 9-1.17 with:**

Submit additional information as to the basis and amount of the claim within 15 days of a request by Engineer. Failure to submit requested information or to provide access to records of the information is cause for denial of the claim.

### 9-1.17D(2)(b) Overhead Claims

Claims for overhead expenses must be supported by an audit report by an independent Certified Public Accountant. Claims are subject to audit by the State at its discretion.

### 9-1.17D(2)(c) Declaration

Submit a declaration that includes the following language with the claim statement:

I declare under penalty of perjury, according to the laws of the State of California, that the foregoing claims, with specific reference to the California False Claims Act (Govt Code § 12650 et seq.) and to the extent the project contains federal funding, the U.S. False Claims Act (31 USC § 3729 et seq.), are true and correct, and that this declaration was signed on \_\_\_\_\_(date)\_\_\_\_\_, 20\_\_ at \_\_\_\_\_, California.

### 9-1.17D(2)(d) Waiver

A claim is waived if:

1. Claim does not have a corresponding **Supplemental Potential Claim Record** identification number
2. Claim does not have the same nature, circumstances, and basis of claim as the corresponding **Supplemental Potential Claim Record**
3. Claim is not included in the claim statement
4. You do not comply with the claim procedures
5. You do not submit the declaration specified in Section 9-1.17D(2)(c)

### 9-1.17D(3) Final Determination of Claims

Failure to allow timely access to claim supporting data when requested waives the claim.

Department's costs in reviewing or auditing a claim not supported by the Contractor's accounting or other records are damages incurred by the State within the meaning of the California False Claims Act.

After claim review, Engineer makes a preliminary determination of claims and furnishes it to Contractor. Within 30 days of notification of the preliminary determination, make a presentation in support of remaining claims to a person designated by Director. Director makes the final decision on payable compensation due the Contractor and furnishes it to Contractor.

Department pays the amount due within 30 days. The final estimate is conclusive as to the amount of work completed and the amount payable except as specified in Sections 5-1.27 and 9-1.21.

**Replace section 9-1.22 with:**

### 9-1.22 Resolution of Claims

Resolution of claims will be through the State of California Victims Compensation and Government Claims Board under (Gov. Code Div. 3.6, Part 3).

[illegible]

## Division II General Construction

## 12 TEMPORARY TRAFFIC CONTROL

**Add to the beginning of section 12-3.32C:**

Place PCMSs at the locations shown and in advance of the 1st warning sign for each:

- ### 1. Stationary lane closure

**Add between the 9th and 10th paragraphs of section 12-3.32C:**

Start displaying the message on the sign 30 minutes before closing the lane or shoulder or when directed by the Engineer.

**Replace the table in the definition of *designated holidays* in section 12-4.02A(2) with:**

<b>Designated Holidays</b>	
Holiday	Date observed
New Year's Day	January 1st
Washington's Birthday	3rd Monday in February
Memorial Day	Last Monday in May
Independence Day	July 4th
Labor Day	1st Monday in September
Veterans Day	November 11th
Thanksgiving Day	4th Thursday in November
Christmas Day	December 25th

**Add to section 12-4.02A(2):**

**special days:** The day after Thanksgiving Day

**Add to the end of the 1st paragraph of section 12-4.02C(1):**

except for work shown on the stage construction and traffic handling plans.

**Add to the end of section 12-4.02C(1):**

Keep the full width of the traveled way open to traffic when no active construction activities are occurring in the traveled way or within 6 feet of the traveled way and on:

1. Friday after 3:00 p.m.
2. Saturday
3. Sunday
4. Designated holidays
5. Special days

Keep the full width of the traveled way open to traffic when no active construction activities are occurring in the traveled way or within 6 feet of the traveled way.

Keep the full width of the ramp traveled way open for use by traffic on designated holidays.

Replace section 12-4.02C(3)(f) with:

**12-4.02C(3)(f) Closure Restrictions for Designated Holidays and Special Days**

Closure restrictions for designated holidays and special days are shown in the following table:

Lane Closure Restrictions For Designated Holidays And Special Days											
Thu	Fri	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun	Mon
x	<b>H</b> xx	xx	xx								
	<b>SD</b> xx										
x	xx	<b>H</b> xx	xx								
		<b>SD</b> xx									
	x	xx	<b>H</b> xx	xx							
			<b>SD</b> xx								
	x	xx	xx	<b>H</b> xx	xxx						
	x	xx	xx	<b>SD</b> xx	xxx						
				x	<b>H</b> xx						
				x	<b>SD</b> xx						
					x	<b>H</b> xx					
						<b>SD</b> xx					
						x	<b>H</b> xx	xx	xx	xx	
							<b>SD</b> xx				
Legend:											
	Refer to lane requirement charts.										
x	The full width of the traveled way must be open for use by traffic after 5 AM.										
xx	The full width of the traveled way must be open for use by traffic.										
xxx	The full width of the traveled way must be open for use by traffic until 9 PM.										
<b>H</b>	Designated holiday										
<b>SD</b>	Special day										

**Replace section 12-4.02C(3)(g) with:**

**12-4.02C(3)(g) Freeway or Expressway Lane Requirement Charts**

**Freeway** lane closures must comply with the requirements shown in the following chart:

Chart No. G1 Freeway Lane Requirements																										
County: Orange							Route/Direction: 73 / NB							Post Mile: 24.8/25.4												
Closure limits: NB 73 from Bristol St. Off Ramp to Birch St OC																										
Hou	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mon– Thu	2	2	2	2	2	2																	2	2	2	
Fri	2	2	2	2	2	2																		2	2	
Sat	2	2	2	2	2	2	2																	2	2	
Sun	2	2	2	2	2	2	2																2	2	2	
Legend:																										
<div>2</div> Provide at least 2 adjacent through freeway lanes open in the direction of travel.																										
<div></div> Work is allowed within the highway where a shoulder or lane closure is not required.																										
REMARKS: 1) This section of freeway has 4 thru lanes.																										

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## 14 ENVIRONMENTAL STEWARDSHIP

**Replace section 14-11.14 with:**

### 14-11.14 TREATED WOOD WASTE

#### 14-11.14A General

Section 14-11.14 applies if treated wood waste is shown on the Bid Item List.

Section 14-11.14 includes specifications for handling, storing, transporting, and disposing of treated wood waste. Manage treated wood waste under Health & Safety Code §25230 et seq.

Wood removed from metal beam guardrail is treated wood waste.

#### 14-11.14B Submittals

Within 5 business days of disposing of treated wood waste, submit as an informational submittal a copy of each completed shipping record and weight receipt.

#### 14-11.14C Training

Provide training to personnel who handle or may come in contact with treated wood waste. Training must include:

1. Requirements of 8 CA Code of Regs
2. Procedures for identifying and segregating treated wood waste
3. Safe handling practices
4. Requirements of Health & Safety Code §25230 et seq
5. Proper disposal methods

Maintain training records for 3 years after contract acceptance.

**14-11.14D Storage of Treated Wood Waste**

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

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

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

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

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

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

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

**14-11.14E Transport and Disposal of Treated Wood Waste**

Dispose of treated wood waste within:

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

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

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

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

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

## DIVISION VI STRUCTURES

### 49 PILING

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

18



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

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

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

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

**SlurryPro CDP**

Quality characteristic	Test method	Requirement
Density: During drilling (pcf)	Mud weight (density), API RP 13B-1, section 5	$\leq 67.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity: During drilling (sec/qt)	Marsh funnel and cup, API RP 13B-1, section 7.2	50–120
Before final cleaning and immediately before placing concrete (sec/qt)		$\leq 70$
pH	Glass electrode pH meter or pH paper	6.0–11.5
Sand content, percent by volume: Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 10	$\leq 1.0$

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

<sup>a</sup>If authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

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

**Super Mud**

Quality characteristic	Test method	Requirement
Density: During drilling (pcf)	Mud weight (density), API RP 13B-1, section 5	$\leq 64.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity: During drilling (sec/qt)	Marsh funnel and cup, API RP 13B-1, section 7.2	32–60
Before final cleaning and immediately before placing concrete (sec/qt)		$\leq 60$
pH	Glass electrode pH meter or pH paper	8.0–10.0
Sand content, percent by volume: Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 10	$\leq 1.0$

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

<sup>a</sup>If authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

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

**Shore Pac GCV**

Quality characteristic	Test method	Requirement
Density: During drilling (pcf)	Mud weight (density), API RP 13B-1, section 5	$\leq 64.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity: During drilling (sec/qt)	Marsh funnel and cup, API RP 13B-1, section 7.2	33–74
Before final cleaning and immediately before placing concrete (sec/qt)		$\leq 57$
pH	Glass electrode pH meter or pH paper	8.0–11.0
Sand content, percent by volume: Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 10	$\leq 1.0$

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

<sup>a</sup>If authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

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

**Terragel or Novagel Polymer**

Quality characteristic	Test method	Requirement
Density: During drilling (pcf)	Mud weight (density), API RP 13B-1, section 5	$\leq 67.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity: During drilling (sec/qt)	Marsh funnel and cup, API RP 13B-1, section 7.2	45–104
Before final cleaning and immediately before placing concrete (sec/qt)		$\leq 104$
pH	Glass electrode pH meter or pH paper	6.0–11.5
Sand content, percent by volume: Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 10	$\leq 1.0$

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

<sup>a</sup>If authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.

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

**BIG-FOOT**

Quality characteristic	Test method	Requirement
Density: During drilling (pcf)	Mud weight (density), API RP 13B-1, section 5	$\leq 64.0^a$
Before final cleaning and immediately before placing concrete (pcf)		$\leq 64.0^a$
Viscosity: During drilling (sec/qt)	Marsh funnel and cup, API RP 13B-1, section 7.2	30–125
Before final cleaning and immediately before placing concrete (sec/qt)		55–114
pH	Glass electrode pH meter or pH paper	8.5–10.5
Sand content, percent by volume: Before final cleaning and immediately before placing concrete (%)	Sand, API RP 13B-1, section 10	$\leq 1.0$

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

<sup>a</sup>If authorized, you may use slurry in a salt water environment. The allowable density of slurry in a salt water environment may be increased by 2 pcf.



**Add between the 12th and 13th paragraphs of section 87-19.03C:**

Use the county abbreviations for the fiber optic cable identification as shown in the following table:

**Fiber Optic Cable Identification for County**

County	County Abbreviation	County	County Abbreviation	County	County Abbreviation
Alameda	Ala	Marin	Mrn	San Mateo	SM
Alpine	Alp	Mariposa	Mpa	Santa Barbara	SB
Amador	Ama	Mendocino	Men	Santa Clara	SCI
Butte	But	Merced	Mer	Santa Cruz	SCr
Calaveras	Cal	Modoc	Mod	Shasta	Sha
Colusa	Col	Mono	Mno	Sierra	Sie
Contra Costa	CC	Monterey	Mon	Siskiyou	Sis
Del Norte	DN	Napa	Nap	Solano	Sol
El Dorado	ED	Nevada	Nev	Sonoma	Son
Alpine	Alp	Mariposa	Mpa	Santa Barbara	SB
Amador	Ama	Mendocino	Men	Santa Clara	SCI
Butte	But	Merced	Mer	Santa Cruz	SCr
Calaveras	Cal	Modoc	Mod	Shasta	Sha
Colusa	Col	Mono	Mno	Sierra	Sie
Contra Costa	CC	Monterey	Mon	Siskiyou	Sis
Del Norte	DN	Napa	Nap	Solano	Sol
El Dorado	ED	Nevada	Nev	Sonoma	Son
Fresno	Fre	Orange	Ora	Stanislaus	Sta
Glenn	Gle	Placer	Pla	Sutter	Sut
Humboldt	Hum	Plumas	Plu	Tehama	Teh
Imperial	Imp	Riverside	Riv	Trinity	Tri
Inyo	Iny	Sacramento	Sac	Tulare	Tul
Kern	Ker	San Benito	SBt	Tuolumne	Tuo
Kings	Kin	San Bernardino	SBd	Ventura	Ven
Lake	Lak	San Diego	SD	Yolo	Yol
Lassen	Las	San Francisco	SF	Yuba	Yub
Los Angeles	LA	San Joaquin	SJ		
Madera	Mad	San Luis Obispo	SLO		

**Add to the end of section 87-21.03C:**

Modifying a camera systems includes removing, adjusting, or adding:

1. Foundations
2. Pull boxes
3. Conduit
4. Conductors
5. Cables
6. Standards
7. Controller assembly

**Link to the Standard Specifications applicable to the 2024 Edition of the Standard Specifications by reference made a part of the Agreement are available at:**

**<https://dot.ca.gov/programs/design/october-2024-ccs-standard-plans-and-standard-specifications>**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	73	24.8/25.4	1	8



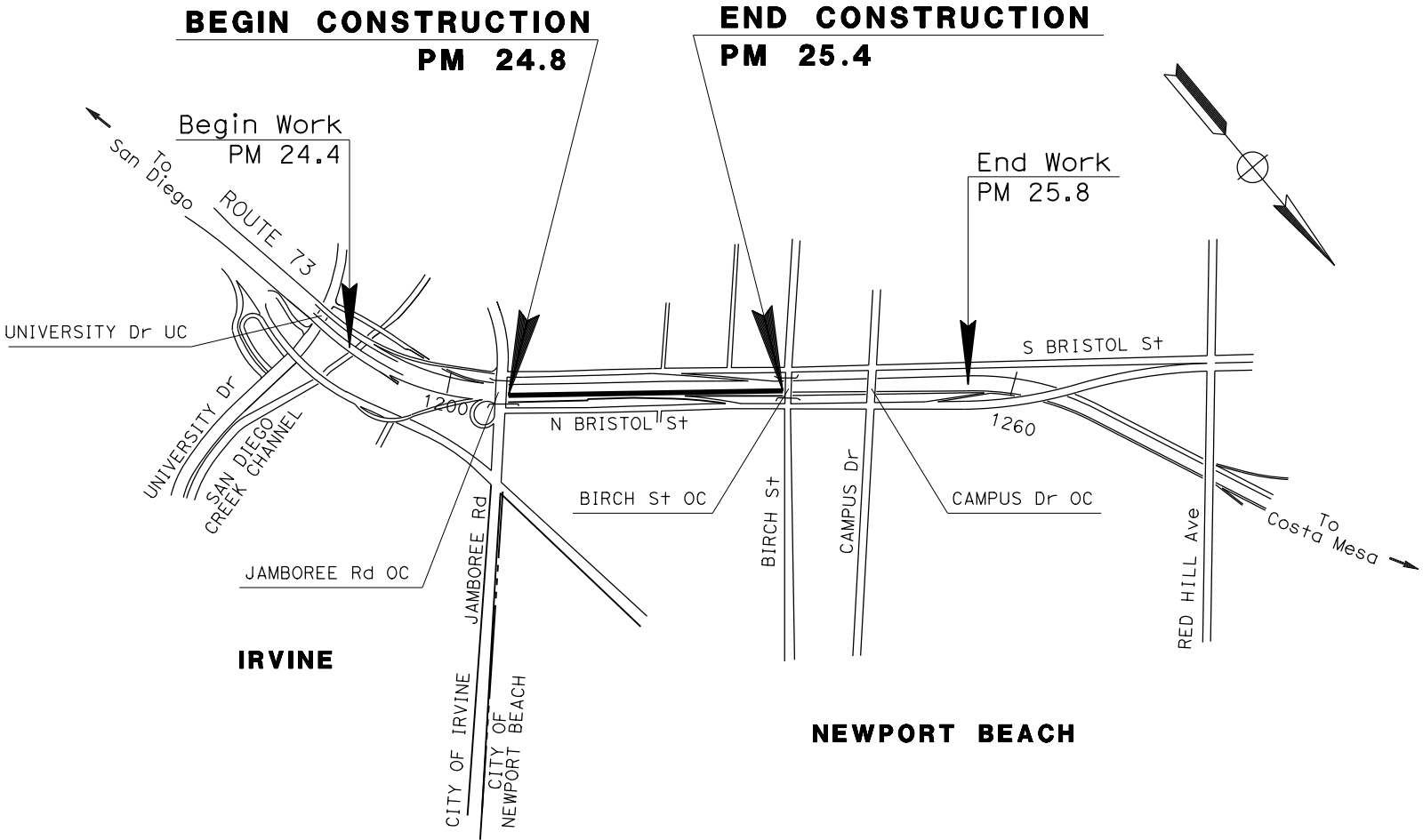
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	LAYOUT
3	UTILITY PLAN
4	CONSTRUCTION AREA SIGNS
5	SUMMARY OF QUANTITIES
6-8	ELECTRICAL PLANS AND QUANTITIES

THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY  
IN ORANGE COUNTY  
IN NEWPORT BEACH  
FROM JAMBOREE ROAD OVERCROSSING  
TO BIRCH STREET OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2024



NO SCALE

Tom Nguyen

1/22/25

PROJECT ENGINEER

REGISTERED CIVIL ENGINEER

JANUARY 22, 2025

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER

TOM C. NGUYEN

No. C91107

Exp. 03/31/26

CIVIL

STATE OF CALIFORNIA

PROJECT MANAGER	SAIED MEHRANFARD
DESIGN MANAGER	SAIED MEHRANFARD

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

CONTRACT No.	12A2267	--
PROJECT ID	1224000122	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	73	24.8/25.4	2	8

*Tom Nguyen*  
REGISTERED CIVIL ENGINEER  
DATE 01/22/25

TOM C. NGUYEN

No. C91107

Exp. 03/31/26

CIVIL

JANUARY 22, 2025  
PLANS APPROVAL DATE

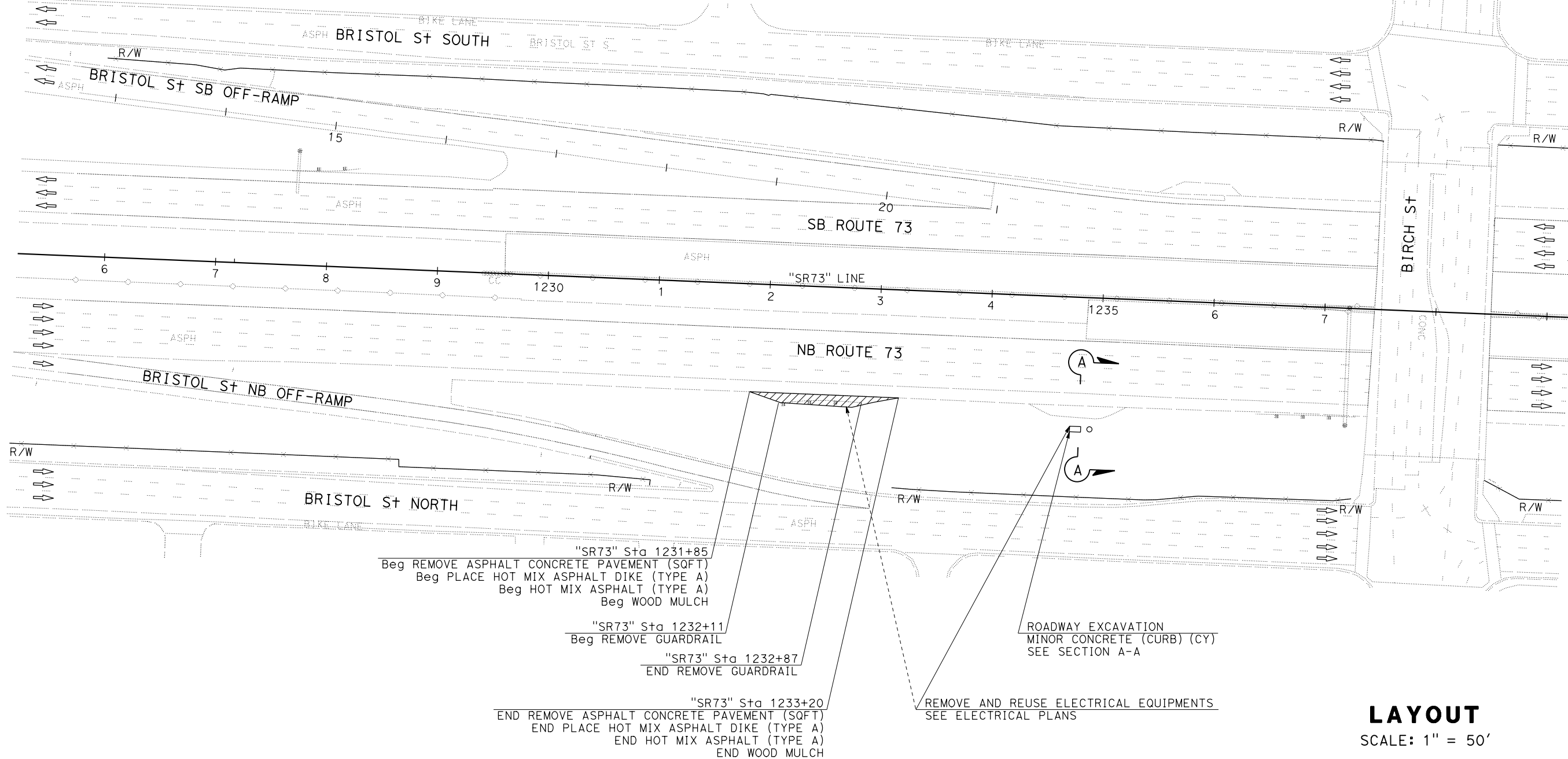
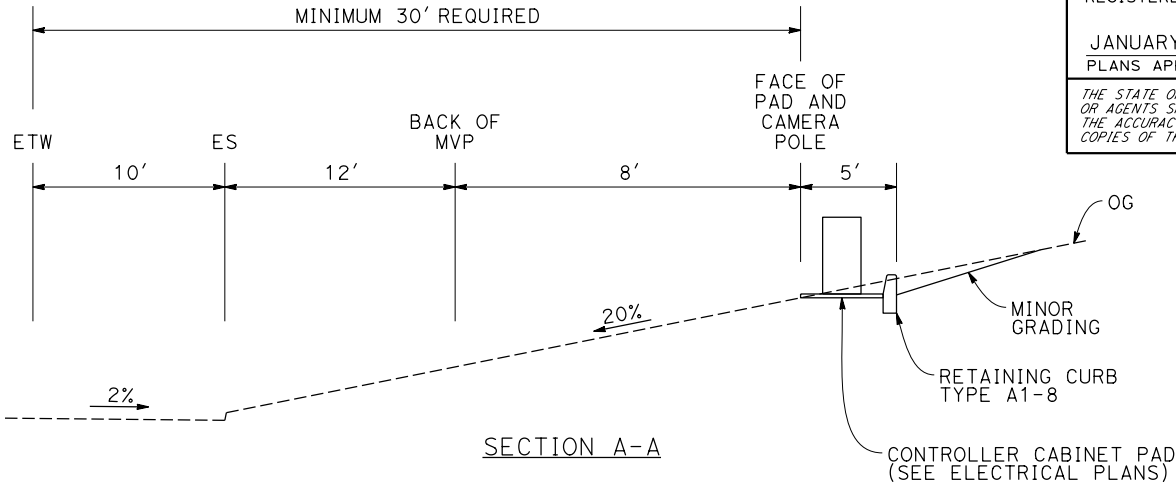
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COPIES OF THIS PLAN SHEET.

NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND:

-  DIRECTION OF TRAVEL
-  REMOVE ASPHALT  
CONCRETE PAVEMENT



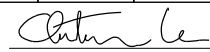
LAYOUT

SCALE: 1" = 50'

STATE OF CALIFORNIA	DEPARTMENT OF TRANSPORTATION	DESIGN H
Caltrans		
FUNCTIONAL SUPERVISOR	SAIED MEHRANFARD	
CALCULATED-DESIGNED BY	CHECKED BY	
TOM NGUYEN	BIYAO LU	
REVISED BY	DATE	REVISED

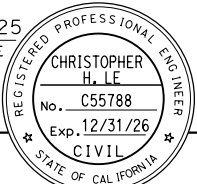


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	73	24.8/25.4	3	8



01/22/25  
REGISTERED CIVIL ENGINEER DATE

JANUARY 22, 2025  
PLANS APPROVAL DATE



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NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. UTILITY OWNERSHIP:

WATER - METROPOLITAN WATER DISTRICT (MWD)

ELECTRICITY - SOUTHERN CALIFORNIA EDISON (SCE)

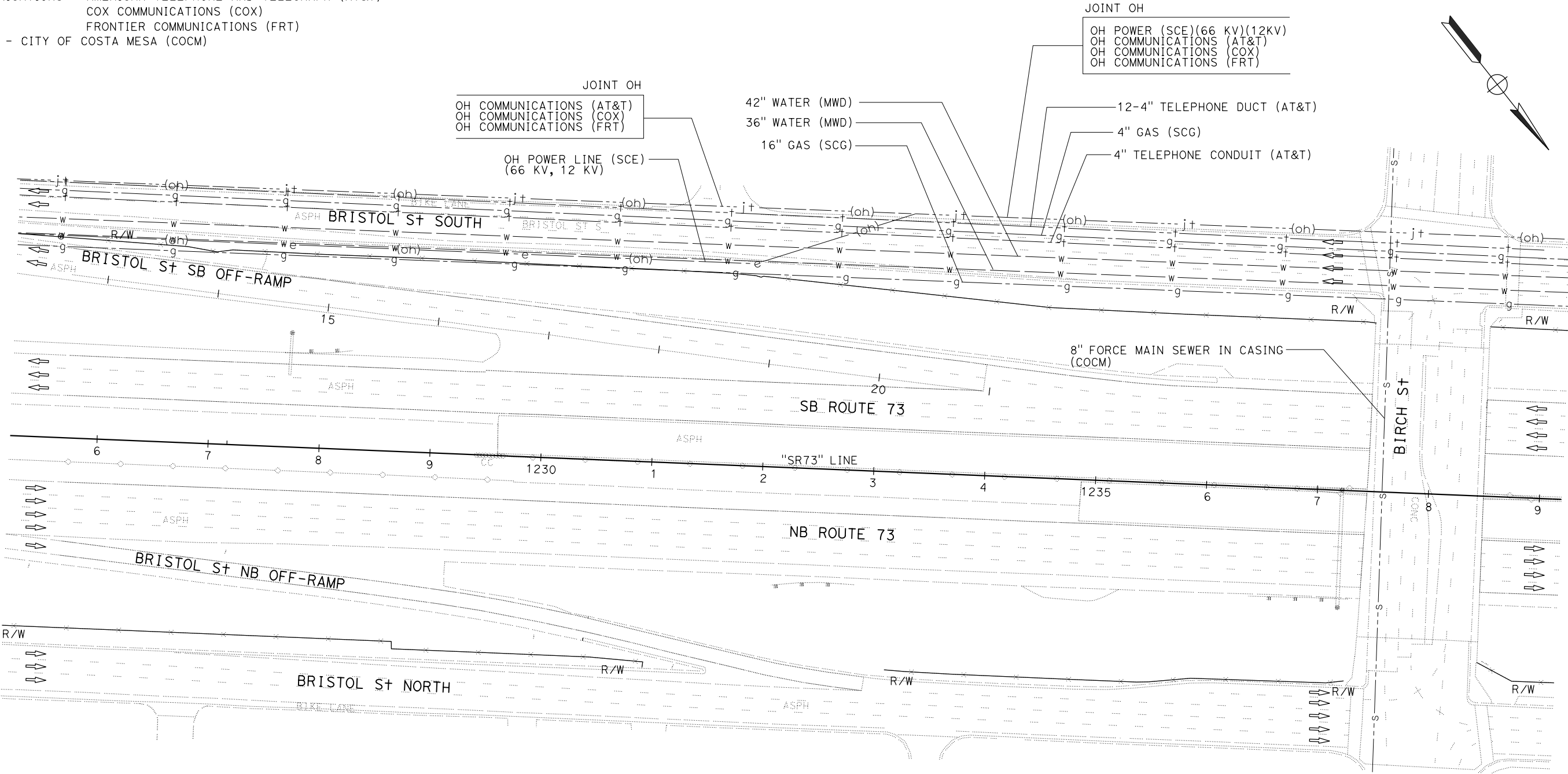
NATURAL GAS - SOUTHERN CALIFORNIA GAS (SCG)

COMMUNICATIONS - AMERICAN TELEPHONE AND TELEGRAPH (AT&T)

COX COMMUNICATIONS (COX)

FRONTIER COMMUNICATIONS (FRT)

SEWER - CITY OF COSTA MESA (COCM)



UTILITY PLAN

SCALE: 1" = 50'

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	UTILITY ENGINEERING	
	FUNCTIONAL SUPERVISOR	CHRISTOPHER LE
	CALCULATED-DESIGNED BY	CHECKED BY
	MINH PHAM	ALIX WILLIAMS
	REVISED BY	DATE
	REVISED BY	DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	73	24.8/25.4	4	8

*Tom Nguyen*  
REGISTERED CIVIL ENGINEER

01/22/25  
DATE

JANUARY 22, 2025  
PLANS APPROVAL DATE

TOM C. NGUYEN  
No. C91107  
Exp. 03/31/26  
CIVIL

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS  
OR AGENTS SHALL NOT BE RESPONSIBLE FOR  
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NOTE:

1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

LEGENDS:

- ⊗

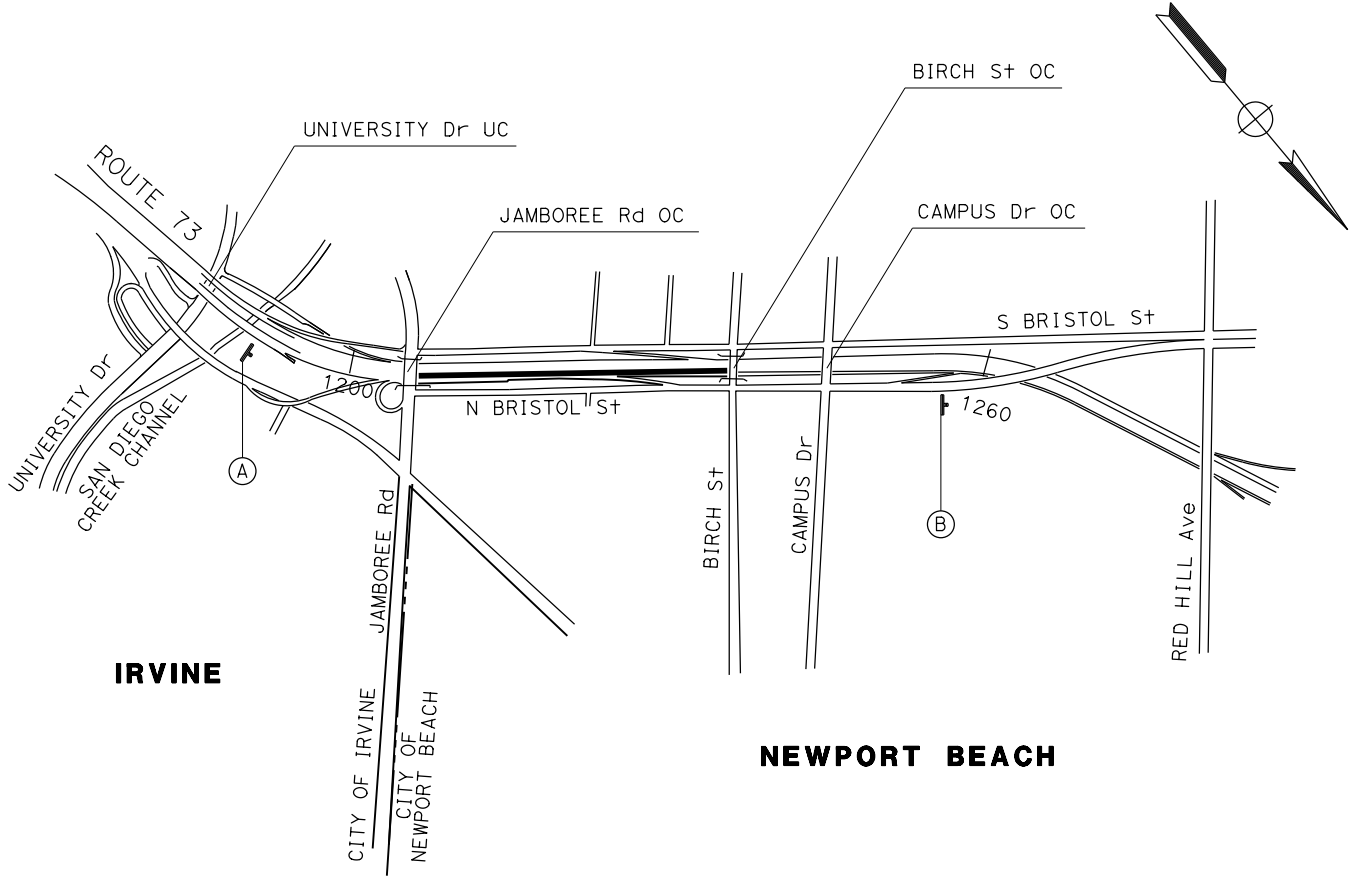
CONSTRUCTION AREA SIGN No.
- ├

CONSTRUCTION AREA SIGN, 1-POST
- WORK ZONE

CONSTRUCTION AREA SIGNS

SIGN No.	TYPE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGN (N)
					EA
Ⓐ	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	1
Ⓑ	G20-2	48" x 24"	END ROAD WORK	1 - 4" x 6"	1

(N) = NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY




CONSTRUCTION AREA SIGNS

NO SCALE

CS-1


APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

x  
x  
x  
x  
x

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		FUNCTIONAL SUPERVISOR	CALCULATED- DESIGNED BY	TOM NGUYEN	REVISED BY
	<b>DESIGN H</b>				
		SAIED MEHRANFARD	CHECKED BY	BIYAO LU	DATE REVISED



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	73	24.8/25.4	5	8



01/22/25

REGISTERED CIVIL ENGINEER

DATE

JANUARY 22, 2025  
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

TOM C. NGUYEN

No. C91107

Exp. 03/31/26

CIVIL

STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS  
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SUMMARY OF QUANTITIES

SHEET No.	DIRECTION	TREATED WOOD WASTE	ROADWAY EXCACATION	WOOD MULCH	HOT MIX ASPHALT (TYPE A)	PLACE HOT MIX ASPHALT DIKE (TYPE A)	REMOVE ASPHALT CONCRETE PAVEMENT (SQFT) *	MINOR CONCRETE (CURB) (CY)	REMOVE GUARDRAIL
		LB	CY	CY	TON	LF	SQFT	CY	LF
L-1	NB	650	2	9	4	135	800	0.31	75

\* THIS ITEM INCLUDES DIKE REMOVAL

SUMMARY OF QUANTITIES

NO SCALE

NOTES: (THIS SHEET ONLY)

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. NO SPLICES ALLOWED ON CAT6A CABLE.
3. SEE SHEET ED-1 FOR CONDUCTOR AND CABLE IDENTIFICATION.

LEGEND AND ABBREVIATIONS

TYPE B CABLE	72 SINGLEMODE FIBER OPTICS CABLE
TYPE C CABLE	72 SINGLEMODE FIBER OPTICS CABLE
TYPE D CABLE	12 SINGLEMODE FIBER OPTICS CABLE
CAT6A	CATEGORY 6A CABLE
EAS	ETHERNET ACCESS SWITCH
FDU	FIBER DISTRIBUTION UNIT
POE	POWER OVER ETHERNET

ANNOTATION: (THIS SHEET ONLY)

- 1

EXISTING 120/240 V TYPE III-CF METERED SERVICE EQUIPMENT ENCLOSURE  
ID No. 12-55-073-R-005.321 (SCE).  
METER No.1: 100 A, 240 V, 2P, CB MAIN  
2-30 A, 120 V, 1P, CB (LT)  
15 A, 120 V, 1P, CB (SIGNS)  
15 A, 120 V, 1P, CB (FLASHING BEACON)  
METER No.2: 100 A, 240 V, 2P, CB MAIN  
50 A, 120 V, 1P, CB (CONTROLLER)  
20 A, 120 V, 1P, CB (DEMARICATION) SPARE  
30 A, 120 V, 1P, CB (CCTV 36)
- 2

EXISTING TYPE 334-TV CABINET, FDU AND ENCODER.
- 3

EXISTING 3"C, 1-MULTI-CONDUCTORS CABLE AND 1#8 GROUND WIRE.
- 4

EXISTING 2"C, 2#8 FOR CCTV.
- 5

EXISTING 3"C, 2#8 FOR CCTV.
- 6

INSTALL 2"C, 2#8, 1#8(G) FOR CCTV.
- 7

INSTALL 2-3"C, 1-CAT 6A, 2#8, 1#8(G) FOR CCTV.
- 8

EXISTING 2"C, 1-TYPE D CABLE.

EXISTING CONDUCTOR AND CONDUIT SCHEDULE

CONDUCTOR TYPE	1	2	3
TYPE B CABLE	1		1
TYPE C CABLE	1		1
TYPE D CABLE			1
PULL ROPE	2	4	1
CONDUIT SIZE	4"	4"	4"

- 9

INSTALL CCTV POLE TYPE 30.
- 10

INSTALL 2"C, 1-CAT 6A, 1#8(G) FOR CCTV.
- 11

INSTALL 2"C, 1-TYPE D CABLE.
- 12

EXISTING 2"C, 1-TYPE D CABLE. REMOVE 1-TYPE D CABLE. INSTALL 1-TYPE D CABLE.

Contract No. 12A2267

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	73	24.8/25.4	6	8

Barjesh K. Sharma 01/22/25

REGISTERED ELECTRICAL ENGINEER DATE

JANUARY 22, 2025

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

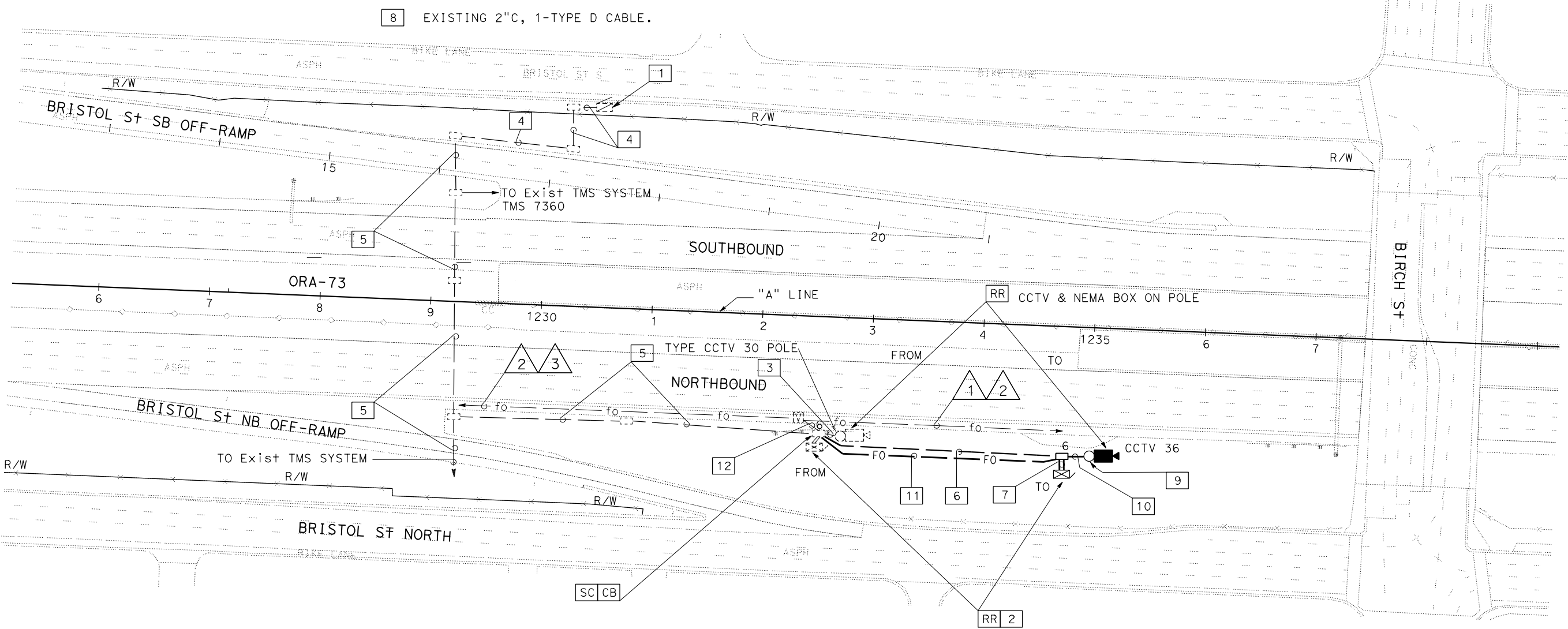
B.K.SHARMA

No. E 19299

Exp. 12/31/26

ELECTRICAL

STATE OF CALIFORNIA



- FO

NEW FIBER OPTIC CONDUIT,
- EXISTING CCTV CAMERA ASSEMBLY
- EXISTING SPLICE VAULT
- fo

EXISTING FIBER OPTIC CONDUIT

APPROVED FOR ELECTRICAL WORK ONLY

MODIFYING CAMERA SYSTEMS

SCALE: 1" = 50'

E-1

Dist

COUNTY

ROUTE

POST MILES  
TOTAL PROJECT

SHEET  
No.

TOTAL  
SHEETS

12

Ora

73

24.8/25.4

7

8

Barjesh K. Sharma

01/22/25

REGISTERED ELECTRICAL ENGINEER

DATE

JANUARY 22, 2025

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

B.K.SHARMA

No. E 19299

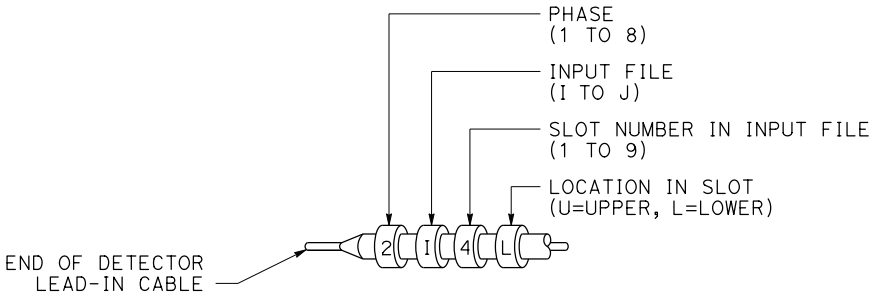
Exp. 12/31/26

ELECTRICAL

STATE OF CALIFORNIA

NOTES: (THIS SHEET ONLY)

1. IDENTIFY CONDUCTORS AND CABLES IN ALL PULL BOXES, CABINETS, AND AT TERMINATION POINTS.
2. IDENTIFICATION TYPES MAY BE EMBOSSED MARKINGS, METAL OR SYNTHETIC BANDS, TAGS OR SLEEVES. THEY MUST BE LEGIBLE, MECHANICALLY PRINTED, ALPHA NUMERIC TEXT, RESISTANT TO DEGRADATION FROM OIL, DIRT, CHEMICAL, MOISTURE, AND ABRASION AND ARE PERMANENTLY ATTACHED TO THE CONDUCTORS OR CABLES SO THAT THEY WILL NOT MOVE.
3. RIGID TAGS MUST BE ATTACHED SUCH THAT THE LABELS ARE FULLY VISIBLE AND PARALLEL TO CONDUCTORS OR CABLES. SEE "TIE-ON CABLE LABEL".
4. BANDED IDENTIFICATIONS MUST NOT BE THE WRAPPED TYPE. SEE RSP ES-13B, DETAIL B.



TYPICAL BANDING DETAIL

ELECTRICAL SYSTEMS DETAILS  
NO SCALE  
ED-1

CONDUCTOR AND CABLE IDENTIFICATION

Element	Cable/Conductor Function	Required Label
Lighting	Power	LTG CIR (Circuit #)
	High-mast power (Lowering Device)	HM PWR
Signal	Power	SIG PWR
	PBA (3CSC)	POLE (Pole #) 3CSC
	Signal (12CSC)	POLE (Pole #) 12CSC
	Intersection Lighting	LTG
	Street Name Sign	IISNS
	Accessible Ped Signal	APS
	Signal Interconnect	SIC
	Loop Wire	L#-S OR L#-F (Loop assignment #)
	Loop	DLC (Loop assignment #)
	CCTV Detection	CCTV-D (Pole #)
	CCTV Surveillance	CCTV-S (Pole #)
	EVUC	EVUC (Pole #)
	Traff Sig Flashing Beacon	TS FB
	Fiber Optic Comm	FO-D SIG (Signal #)
Ramp Metering	Power	RMS PWR (Controller #)
	Flashing Beacon	RMS FB
	Loop Wire	RMS L#-S OR L#-F (Loop assignment #)
	Loop	RMS DLC (Loop Assignment #)
	Camera	RMS CCTV (CCTV #)
	Lighting	RMS LTG
	Fiber Optic Comm	FO-D RMS (RMS #)
TMS	Power	TMS PWR (Controller #)
	Loop Wire	TMS L#-S OR L#-F (Loop assignment #)
	Loop	TMS DLC (Loop Assignment #)
	Fiber Optic Comm	FO-D TMS (TMS #)
Traffic Census Station	Power	CEN PWR (Controller #)
	Piezoelectric	CEN PIEZO L#
	Loop Wire	CEN L#-S OR L#-F (Loop assignment #)
	Loop	CEN DLC (Loop Assignment #)
	Fiber Optic Comm	FO-D CEN (CEN #)
CCTV	Power, video, control (Cat5E)	CCTV (CCTV #)
	Cabinet Power	CCTV PWR
	High Mast Power (Lowering Device)	HM PWR
	Fiber Optic Comm	FO-D CCTV (CCTV #)
CMS	Controller Power, video, control (Cat5E)	CMS (CMS #)
	PMM Power (Lamp/LED)	CMS LED
	Cabinet Power	CMS PWR
	Fiber Optic Comm	FO-D CMS (CMS #)
FO Cable Type A	Communications	FO-A
FO Cable Type B	Communications	FO-B
FO Cable Type C	Communications	FO-C
FO Cable Type D	Communications	FO-D (see above)
Weigh In Motion	Power	WIM PWR
	Telephone Communications	WIM TEL
	Screened Transmission Cable	WIM STC
	Scale Lead In Cable	WIM SLC
	Loop Wire	WIM L#-S OR L#-F (Loop assignment #)
	Loop	WIM DLC (Loop Assignment #)
In-Roadway Warning Lights	Controller Power	IRWL PWR
	In-Roadway Lights	IRWL
	Push Button	IRWL PBA
	Flashing Beacon	IRWL FB
	Lighting	IRWL LTG
Irrigation	Controller Power	IRR PWR
HAR	Power	HAR PWR
	Communications	HAR COMM
Flashing Beacon	Power	FB PWR
EMS	Power	EMS PWR
	Communications	EMS COMM

x

x

x

x

x

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR		CALCULATED-DESIGNED BY	BARJESH SHARMA	REVISED BY	BS		
ELECTRICAL DESIGN	MERVIN FULLENWIDER		CHECKED BY	MERVIN FULLENWIDER	DATE	7/24		

**NOTE:**  
ELECTRICAL SYSTEMS QUANTITY TABLE SUMMARIZES SIGNIFICANT COMPONENTS.  
SEE ELECTRICAL SYSTEMS PLANS AND SPECIFICATIONS TO DETERMINE ALL  
MATERIALS NEEDED FOR EACH SYSTEM.

MODIFYING CAMERA SYSTEMS

SHEET No.	(N)						TYPE D CABLE
	POLE 30 S+d WITH Fdn	TYPE CAMERA POLE 30 (30') S+d WITH Fdn	PULL BOX #6	2"C	#8 AWG	#8 AWG (G)	
	EA	EA	EA	LF	LF	LF	
E-1	1	1	1	500	500	250	250

(N) - NOT A SEPARATE BID ITEM

FOR INFORMATION ONLY  
DO NOT USE FOR BIDDING OR CONSTRUCTION REFERENCE

ELECTRICAL SYSTEMS QUANTITIES  
NO SCALE  
EQ-1

Dist

COUNTY

ROUTE

POST MILES  
TOTAL PROJECT

SHEET  
No.

TOTAL  
SHEETS

12

Ora

73

24.8/25.4

8

8

Barjesh K. Sharma

01/22/25

REGISTERED ELECTRICAL ENGINEER

DATE

JANUARY 22, 2025

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

B.K.SHARMA

No. E 19299

Exp. 2/31/26

ELECTRICAL

STATE OF CALIFORNIA

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