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The Bid Package contains **7** Project Plans for this project.

California Department of Transportation

ADMINISTRATION

DIVISION OF PROCUREMENT AND CONTRACTS

1727 30th 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. 05A2701****Quote Due Date: February 19, 2024****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
TTY 711



<https://dot.ca.gov/programs/procurement-and-contracts/>

General Contractors Instructions/Checklist

Solicitation No. 05A2701

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. **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=DES0E0102.2C>. List all subcontractors, including DVBEs, as applicable to the requirements of this solicitation.
- Contract Requirements (ADM-0378) can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=ADM0378F>.
- Small Business Status (DES-OE-0102.4) can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/showForm2?frmid=DOTDES0E0102.4>.
- California Company Preference (DES-OE-0102.9) can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=DES0E0102.9>.
- Certified DVBE Summary (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 (ADM-0076) can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=ADM0076>.
- Darfur Contracting Act Certification (ADM-0077) can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=ADM0077>.
- 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=DOTDES0E010214>.

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

- Payment Bond (ADM-2009) can be downloaded at <https://forms.dot.ca.gov/v2Forms/servlet/FormRenderer?frmid=ADM2009>.
- Certificate(s) of Insurance
- Postconsumer-Content Certification (CalRecycle 74) can be downloaded at <https://www.calrecycle.ca.gov/buyrecycled/stateagency/certify>.

- 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.

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES

STANDARD AGREEMENT

STD 213 (Rev. 04/2020)

AGREEMENT NUMBER
05A2701

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
	PROPOSED FORM OF AGREEMENT	
	DO NOT COMPLETE	
	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



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 San Luis Obispo County At Various
Locations.

In District 05 On Route 229

Under

Standard Specifications dated 2023

Project plans approved January 18, 2024

Standard Plans dated 2023

Identified by

Contract No. 05A2701

05-SLO-229-1.16, 3.12, 5.58

Project ID 0523000044

Small Business Minor B Solicitation

Quotes open: Monday, February 19, 2024

Dated: February 5, 2024

Revised 12/29/2023

SPECIAL NOTICES

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.

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 2023 Standard Specifications is not applicable to Minor B Projects.

The Special Provisions contained herein for Contract No. 05A2701 have been prepared by or under the direction of the following Registered Persons.

HIGHWAYS



Registered Civil Engineer

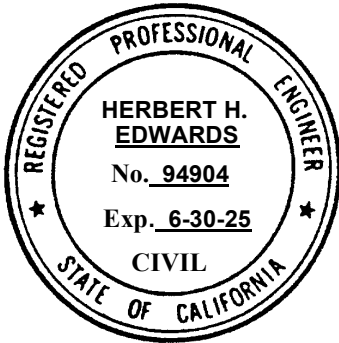


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STANDARD PLANS LIST

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

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

EXCAVATION AND BACKFILL

A62A	Excavation and Backfill - Miscellaneous Details
A62F	Excavation and Backfill - Metal and Plastic Culverts

PIPE COUPLING AND JOINT DETAILS

D97A	Corrugated Metal Pipe Coupling Details No. 1 - Annular Coupling Band Bar and Strap and Angle Connections
D97C	Corrugated Metal Pipe Coupling Details No. 3 - Helical and Universal Couplers
D97D	Corrugated Metal Pipe Coupling Details No. 4 - Hugger Coupling Bands

TEMPORARY CRASH CUSHIONS, RAILING AND TRAFFIC SCREEN

RSP T1A	Temporary Crash Cushion, Sand Filled (Unidirectional)
T1A1	Temporary Crash Cushion, Sand Filled (Unidirectional)
T1B	Temporary Crash Cushion, Sand Filled (Bidirectional)
T2	Temporary Crash Cushion, Sand Filled (Shoulder Installations)
T3A	Temporary Railing (Type K)
T3B	Temporary Railing (Type K)
T3C	Temporary Barrier System (Cross Bolt)
T3D	Temporary Barrier System (Cross Bolt)
T3E	Temporary Barrier System (Cross Bolt)

TEMPORARY TRAFFIC CONTROL SYSTEMS

T9	Traffic Control System Tables for Lane and Ramp Closures
T13	Traffic Control System with Reversible Control on Two Lane Conventional Highways

ROADSIDE SIGNS

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

CANCELED STANDARD PLANS LIST

The standard plan sheets listed below are canceled and not applicable to this contract.

Plan No.	Date Canceled	Plan No.	Date Canceled	Plan No.	Date Canceled
A77U1	01-22-24				
A77U2	01-22-24				
A77U3A	01-22-24				
A77U3B	01-22-24				
A77U4	01-22-24				
A77U5	01-22-24				
A77V1	01-22-24				
A77V2	01-22-24				
A78A	01-22-24				
A78B	01-22-24				
A78C1	01-22-24				
A78C2	01-22-24				
A78D1	01-22-24				
A78D2	01-22-24				
A78E1	01-22-24				
A78E2	01-22-24				
A78E3	01-22-24				
A78F1	01-22-24				
A78F2	01-22-24				
A78GA	01-22-24				
A78GB	01-22-24				
A78H	01-22-24				
A78J	01-22-24				
A78K	01-22-24				

Notice to Bidders

Quotes open: February 19, 2024

Dated: February 5, 2024

General work description: Culvert Replacement

The Department of Transportation (Department) will receive quotes for Construction On State Highway In San Luis Obispo County At Various Locations.

District-County-Route-Post Mile: 05-SLO-229-1.16, 3.12, 5.58

Contractor must have either a Class A license or a combination of the following Class C licenses which constitutes a majority of the work: C-34

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 20 working days.

The estimated cost of the project is \$ 205,000.00

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

Analyst's Email: tammy.p.tran@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 2023

Standard Plans dated 2023

Present bidders' inquiries to the District at:

District 5 Construction Duty Engineer

District 5 Construction

E-mail: D5.Bidders.Questions@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's Name: Tammy Tran

Email: tammy.p.tran@dot.ca.gov

Phone: (279)599-7880

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>.

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 contract award. 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.

5 Control of Work

Replace section 5-1.13E with:

5-1.13E Prompt Payment

Section 5-1.13E applies to all contracts.

Pay your subcontractors within 7 days of receipt of each progress payment under Pub Cont Code §§ 10262 and 10262.5. Pay other entities, such as material suppliers, within 30 days of receipt of each progress payment.

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.

If the Department determines your withhold was not applied in good faith or that you failed to submit the required withhold notification, the Department may withhold the same amount from your future progress pay estimate. The Department may also apply a 2 percent penalty on the withhold amount for every month payment is not made.

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 6-1.03B with:

6-1.03B Submittals

6-1.03B(1) General

Not Used

6-1.03B(2) Work Plan

For local material, such as rock, gravel, earth, structure backfill, pervious backfill, imported borrow, and culvert bedding, obtained from a (1) noncommercial source, or (2) source not regulated under California jurisdiction, submit a local material plan for each material at least 60 days before placing the material. The local material plan must include:

- 1. Certification signed by you and an engineer who is registered as a civil engineer in the State or a professional geologist licensed as a professional geologist by the State stating:

I am aware local material from a noncommercial source or a source not regulated under CA jurisdiction must be sampled and analyzed for pH and lead and may require sampling and analysis under section 6-1.03B(3) for other constituents of concern based on the land use history. I am aware that local material sources must not contain ADL at concentrations greater than 80 mg/kg total lead or equal to or greater than 5 mg/L soluble lead as determined by the Waste Extraction Test (WET) Procedures, 22 CA Code of Regs § 66261.24(a)(2) App II. I am aware that a maximum quantity of material may be excavated at the site based on the minimum number of samples taken before excavating at the site under section 6-1.03B(3).

- 2. Land use history of the local material location and surrounding property
- 3. Sampling protocol
- 4. Number of samples per volume of local material
- 5. QA and QC requirements and procedures
- 6. Qualifications of sampling personnel
- 7. Stockpile history
- 8. Name and address of the analytical laboratory that will perform the chemical analyses
- 9. Analyses that will be performed for lead and pH
- 10. Other analyses that will be performed for possible hazardous constituents based on:
 - 10.1. Source property history
 - 10.2. Land use adjacent to source property
 - 10.3. Constituents of concern in the ground water basin where the job site is located

The plan must be sealed and signed by an engineer who is registered as a civil engineer in the State or a professional geologist licensed as a professional geologist by the State.

If the plan requires revisions, the Engineer provides comments. Submit a revised plan within 7 days of receiving comments. Allow 7 days for the review.

6-1.03B(3) Analytical Test Results

At least 15 days before placing local material, submit analytical test results for each local material obtained from a noncommercial source or a source not regulated under CA jurisdiction. The analytical test results must include:

1. Certification signed by an engineer who is registered as a civil engineer in the State or a professional geologist licensed as a professional geologist by the State stating:

The analytical testing described in the local material plan has been performed. I performed a statistical analysis of the test results using the US EPA's ProUCL software with the applicable 95 percent upper confidence limit. I certify that the material from the local material source is suitable for unrestricted use at the job site, it has a pH above 5.0, does not contain soluble lead in concentrations equal to or greater than 5mg/l as determined by the Waste Extraction Test (WET) Procedures, 22 CA Code of Regs § 66261.24(a)(2) App II, does not contain lead in concentrations above 80 mg/kg total lead, is free from all other contaminants identified in the local material plan, and will comply with the job site's basin plan and water quality objectives of the RWQCB.

2. Chain of custody of samples
3. Analytical results no older than 1 year
4. Statistical analysis of the data using US EPA's ProUCL software with a 95 percent upper confidence limit
5. Comparison of sample results to hazardous waste concentration thresholds and the RWQCB's basin plan requirements and water quality objectives for the job site location

6-1.03B(4) Sample and Analysis

Sample and analyze local material from a (1) noncommercial source or (2) a source not regulated under CA jurisdiction:

1. Before bringing the local material to the job site
2. As described in the local material plan
3. Under US EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)

The sample collection must be designed to generate a data set representative of the entire volume of proposed local material.

Before excavating at the (1) noncommercial material source or (2) a source not regulated under CA jurisdiction, collect the minimum number of samples and perform the minimum number of analytical tests for the corresponding maximum volume of local material as shown in the following table:

Minimum Number of Samples and Analytical Tests for Local Material

Maximum volume of imported borrow (cu yd)	Minimum number of samples and analytical tests
< 5,000	8
5,000–10,000	12 for the first 5,000 cu yd plus 1 for each additional 1,000 cu yd or portion thereof
10,000–20,000	17 for the first 10,000 cu yd plus 1 for each additional 2,500 cu yd or portion thereof
20,000–40,000	21 for the first 20,000 cu yd plus 1 for each additional 5,000 cu yd or portion thereof
40,000–80,000	25 for the first 40,000 cu yd plus 1 for each additional 10,000 cu yd or portion thereof
> 80,000	29 for the first 80,000 cu yd plus 1 for each additional 20,000 cu yd or portion thereof

Do not collect composite samples or mix individual samples to form a composite sample.

Analyze the samples using the US EPA's ProUCL software with a 95 percent upper confidence limit. All chemical analysis must be performed by a laboratory certified by the SWRCB's Environmental Laboratory Accreditation Program (ELAP).

The analytical test results must demonstrate that the local material:

1. Is not a hazardous waste
2. Has a pH above 5.0
3. Has an average total lead concentration, based upon the 95 percent upper confidence limit, at or below 80 mg/kg
4. Is free of possible contaminants identified in the local material plan
5. Complies with the RWQCB's basin plan for the job site location
6. Complies with the RWQCB's water quality objectives for the job site location

6-1.03C Local Material Management

Do not place local material until authorized.

If the Engineer determines the appearance, odor, or texture of any delivered local material suggests possible contamination, sample and analyze the material. The sampling and analysis is change order work unless (1) hazardous waste is discovered or (2) the analytical test results indicate the material does not comply with section 6-1.03B(3).

Dispose of noncompliant local material at an appropriately permitted CA Class I, CA Class II or CA Class III facility. You are the generator of noncompliant local 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.

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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.

Manage regulated earth material containing lead under sections 14-11.08 and 14-11.09.

Unregulated earth material exists throughout the job site.

Lead is typically found within the top 2 feet of material within the highway. Reuse all of the excavated material on the right-of-way. Handle the material under all applicable laws, rules, and regulations, including those of the following agencies:

1. Cal/OSHA
2. CA RWQCB, Region 3-Central Coast.

Add to section 7-1.02M(2):

Obtain the emergency phone numbers of the California Department of Forestry and Fire Protection unit headquarters, United States Forest Service ranger district office, and U.S. Department of Interior Bureau of Land Management field offices. Submit these phone numbers to the Engineer before the start of job site activities. Post the agencies names and emergency phone numbers at a prominent place at the job site.

Hydrocarbon-fueled engines, both stationary and mobile, must be equipped with spark arresters pursuant to Pub Res Code § 4442 except for either of the following:

1. Motor trucks, truck tractors, buses, or passenger vehicles
2. Equipment powered by properly maintained exhaust-driven turbo-charged engines or equipped with scrubbers with properly maintained water levels

Each toilet must have a metal ashtray at least 6 inches in diameter by 8 inches deep, half-filled with sand, and within easy reach of anyone accessing the facility.

Locate flammable materials at least 50 feet away from equipment service, parking, and gas or oil storage areas. Each small mobile or stationary engine site must be cleared of flammable material for a radius of at least 15 feet from the engine.

Furnish the following fire tools:

1. 1 shovel and 1 fully charged fire extinguisher UL rated at 4B:C or more on each truck, personnel vehicle, tractor, grader, or other heavy equipment.
2. 1 shovel and one 5-gallon water-filled backpack fire pump for each welder.
3. 1 shovel or 1 chemical pressurized fire extinguisher, fully charged, for each gasoline-powered tool, including chain saws, soil augers, and rock drills. The fire tools must always be within 25 feet from the point of operation of the power tool. Each fire extinguisher must be of the type and size required by the Pub Res Code § 4431 and 14 CA Code of Regs § 1234.

Each shovel must be size O or larger and at least 46 inches long.

Furnish a pickup truck and driver that will be available for fire control during working hours.

The pickup truck and operator must patrol the area of construction for at least 1/2 hour after job site activities have ended.

Furnish a pickup truck and driver for the sole purpose of fire control during working hours. The truck must be equipped with:

1. 10 shovels, 5 axes, two 5-gallon water-filled backpack fire pumps
2. 100-gallon tank of water with a gasoline motor powered pump and 100 feet of 3/4-inch hose on a reel

In addition to being available at the site of the work, the truck and operator must patrol the area of construction from noon until at least 1/2 hour after job site activities have ended. If the fire danger rating is "very high" or "extreme" or "fire weather watches" or "red flag warning" is issued, the truck and operator must patrol the area of construction while work is being done and for at least 1/2 hour after job site activities have ended.

Cal Fire, USFS, and BLM have established the following adjective class ratings for 5 levels of fire danger for use in public information releases and fire protection signing: "low," "moderate," "high," "very high," "extreme." Obtain the fire danger rating daily for the project area from the nearest Cal Fire unit headquarters, USFS ranger district office, or BLM field office. Monitor the

National Weather Service daily forecasts for "fire weather watches" and "red flag warnings" covering the project's locations.

Arrangements have been made with Cal Fire, USFS, and BLM to notify the Department when the fire danger rating is "very high" or "extreme." This information will be furnished to the Engineer who will notify you for dissemination and action in the area affected. If a discrepancy between this notice and the fire danger rating obtained from the nearest office of either Cal Fire or USFS exists, you must conduct operations according to the higher of the two fire danger ratings.

If the fire danger rating is "very high" or a "fire weather watch" is issued, then:

1. Falling of dead trees or snags must be discontinued.
2. No open burning is permitted and fires must be extinguished.
3. Welding must be discontinued except in an enclosed building or within an area cleared of flammable material for a radius of 25 feet.
4. Blasting must be discontinued.
5. Smoking is allowed only in automobiles and cabs of trucks equipped with an ashtray or in cleared areas immediately surrounded by a fire break unless prohibited by other authority.
6. Vehicular travel is restricted to cleared areas except in case of emergency.

If the fire danger rating is "extreme" or a "red flag warning" is issued, take the precautions specified for a "very high" fire danger rating or a "fire weather watch" issuance, except:

1. Smoking is only allowed in automobiles and cabs of trucks equipped with an ashtray.
2. Work of a nature that could start a fire requires that properly equipped fire guards be assigned to such operation for the duration of the work.

The Engineer may suspend work wholly or in part due to hazardous fire conditions. The days during this suspension are non-working days. If field and weather conditions become such that the work is suspended, section 7-1.02M(2) will not be enforced for the period of the suspension.

Delete the 24th paragraph of section 7-1.04.

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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 *Reserved* in section 8-1.04F with:

8-1.04F Flexible Start

The 1st paragraph of section 8-1.04B does not apply.

Within 10 days after receiving notice that the Contract has been approved by the Attorney General or the attorney appointed and authorized to represent the Department, submit a request for authorization to start job site activities. The request must include:

1. Progress schedule
2. Date you and Engineer have agreed upon to start job site activities

The Department does not allow changes to the request after it is authorized.

Except for measuring controlling field dimensions and locating utilities, do not start job site activities until your WPCP or SWPPP, whichever applies, is received and authorized and the following submittals are received:

1. Notice of Materials To Be Used form.
2. Contingency plan for reopening closures to traffic.

If you obtain authorization to start job site activities for the date you requested, start job site activities on the requested date. If you fail to submit a request for authorization to start job site activities as specified or if the request is not authorized, start job site activities within 15 days after receiving notice of Contract approval. Start work before October 1, 2024.

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.

12-3.20A(4) Quality Assurance

12-3.20A(4)(a) General

Temporary barrier systems must comply with MASH Test Level 3 except for Type K temporary railing.

Except for Type K temporary railing and temporary concrete barrier with cross bolt, temporary barrier systems must:

1. Be on the Authorized Materials List for highway safety features
2. Comply with the manufacturer's drawings shown on the Department's Division of Safety Programs website and the manufacturer's installation instructions

If a discrepancy exists, governing ranking in descending order is:

1. These specifications
2. Manufacturer's drawings
3. Manufacturer's installation instructions

QC sampling, testing, and inspection personnel must have an ACI Concrete Field-Testing Technician, Grade I certification.

Temporary concrete barrier segments must:

1. Comply with the requirements for tier 3 precast concrete in section 90-4
2. Be fabricated at a plant on the Authorized Facility Audit List

Concrete must be sampled and tested at the minimum frequencies shown in the following table:

Concrete QC Tests

Quality characteristic	Test method	Minimum testing frequency
Compressive strength	ASTM C172/C172M, ASTM C31/C31M, and ASTM C39/C39M	Once per 300 cu yd of concrete cast, or every day of casting, whichever is more frequent
Slump	ASTM C143/C143M	
Temperature at time of mixing	ASTM C1064/C1064M	
Density	ASTM C138	Once per 600 cu yd of concrete cast or every 7 days of batching, whichever is more frequent
Air content	ASTM C231/C231M or ASTM C173/C173M	If concrete is air entrained, once for each set of cylinders, and when conditions warrant

A daily production log of PC activities must be maintained under section 90-4.01C(4).

12-3.20A(4)(b) Quality Control

Replace damaged temporary concrete barrier segments with exposed reinforcing steel or concrete spalls 1-1/2 inches in depth and 4 inches in width or greater.

Replace damaged temporary steel barrier segments with permanent bends, tearing, or buckling as described in the signed manufacturer's replacement evaluation report.

Realign temporary barrier system within 2 days of impact or displacement when displaced more than 3 inches except when the temporary barrier system is displaced into a traveled lane realign immediately.

12-3.20B Materials

12-3.20B(1) General

Temporary barrier segment must:

1. Be a minimum 31-1/2 inches in height
2. Have at least two lifting holes
3. Be designed to be used with temporary traffic screen when required

Temporary barrier segment may have your name or logo on each barrier segment. The name or logo must be no more than 4 inches in height and must be located no more than 12 inches above the bottom of the barrier segment.

12-3.20B(2) Temporary Concrete Barriers

12-3.20B(2)(a) General

Temporary concrete barrier segment must:

1. Be precast concrete with a minimum 4,000-psi compressive strength.
2. Have reinforcement steel that complies with section 52.
3. Have a finished surface that complies with section 51-1.03F(2).
4. Include the manufacturer's name, lot number, and month and year of manufacture stamped on the top of each barrier segment except for Type K temporary railing. The stamped information must be:
 - 4.1. No more than 6 inches in height.
 - 4.2. No more than 12 inches in length.
 - 4.3. From 3/16 to 1/4 inch in depth.
 - 4.4. Centered on the top width of the barrier segment.

Segment connection hardware must be one of the following:

1. Steel bar loops and connecting pins
2. "J" hook steel plates
3. Cross bolts

Steel bar loops must comply with ASTM A36/A36M.

Connecting pins must comply with ASTM A307. A round bar of the same diameter may be substituted for the connecting pins. The round bar must:

1. Comply with ASTM A36/A36M
2. Have a minimum length of 26 inches
3. Have a 3-inch-diameter, 3/8-inch-thick plate welded on the upper end using a 3/16-inch fillet weld

"J" hook steel plates must be a minimum 18 inches in height.

Cross bolt hardware includes:

1. Cross bolts
2. Nuts complying with ASTM A563
3. Hardened washer complying with ASTM F436, Type 1
4. Plate washer complying with ASTM A36/A36M and galvanized post fabrication under section 75-1.02B

Cross bolts must:

1. Be a 7/8-inch bolt or threaded rod and comply with one of the following:
 - 1.1. HS threaded rod ASTM 193, Grade B7
 - 1.2. HS threaded rod ASTM A449, Type 1
 - 1.3. HS nonheaded anchor bolt ASTM F1554, Grade 105, Class 2A
2. Have a permanent grade symbol and manufacturer's identifier

Epoxy adhesive must have a minimum 1650 psi bond strength, except for temporary barrier with "J" Hooks.

12-3.20B(2)(b) Temporary Concrete Barrier with "J" Hooks

The steel stakes must be 1-1/2 inches in diameter and 48 inches long.

Anchor hardware must include:

1. Anchor bolt insert 1-inch diameter, 6-inch long
2. Hex head bolt 1-inch diameter with a minimum length of 11 inches plus thickness of asphalt overlay
3. Plate washer 3/8-inch by 3-inch by 3-inch
4. Retainer ring

12-3.20B(2)(c) Temporary Concrete Barrier with Cross Bolt

Reinforcement steel must comply with ASTM A615/ASTM A706, Grade 60.

Reinforcement steel must be galvanized under section 52-3, when shown.

Combinations of reinforcing steel and welded wire reinforcement are authorized. Welded wire reinforcement must comply with ASTM A1064.

Temporary barrier segments must comply with the tolerances shown in the following table:

Precast Barrier Tolerance

Dimension	Tolerance
Length	±1 in
Insert Placement	±1/2 in
Horizontal Alignment	±1/8 in per 10 feet of length
Deviation of Ends	
Horizontal Skew	±1/4 in
Vertical Batter	±1/8 in per foot of depth

Stakes must:

1. Comply with ASTM A36/A36M-14 or ASTM A529-14 Grade 50
2. Be 1-1/2-inch-diameter-by-48-inch-long
3. Have a plate 1/2-by-3-1/2-by-3-1/2-inch welded 2 inches down from the upper end using a 1/4-inch fillet weld under AWS D1.1 or D1.4

Anchor bolts must:

1. Be a threaded rod, 1-1/8-inch-diameter-by-10-1/2-inch-long
2. Comply with ASTM 307
3. Include a nut complying with ASTM A563
4. Include a plate washer:
 - 4.1. 1/2-by-3-1/2-by3-1/2-inch with a 1-1/4-inch diameter hole in the center

- 4.2. Complying with ASTM A36/A36M
- 4.3. Galvanized post fabrication under section 75-1.02B

12-3.20B(2)(d) Type K Temporary Railing

Anchor bolts must:

- 1. Be a threaded rod, 1-inch-diameter-by-15-1/2-inch-long
- 2. Comply with ASTM 307
- 3. Include a nut complying with ASTM A563
- 4. Include a plate washer:
 - 4.1. 3/8-by-2-1/2-by-3-inch with a 1-1/8-inch diameter hole in the center
 - 4.2. Complying with ASTM A36/A36M
 - 4.3. Galvanized post fabrication under section 75-1.02B

12-3.20B(2)(e)–12-3.20B(2)(g) Reserved

12-3.20B(3) Temporary Steel Barriers

Temporary steel barriers segment must:

- 1. Be galvanized steel.
- 2. Have a joint connection.
- 3. Include permanent identification information with no more than 6 inches in height and 12 inches in length and centered on the top width of the segment. The identification information must include:
 - 3.1. Manufacturer's name.
 - 3.2. Serial number.
 - 3.3. Lot number.
 - 3.4. Month and year of manufacture.

12-3.20B(4)–12-3.20B(9) Reserved

12-3.20B(10) Temporary Terminal Sections

Reserved

12-3.20C Construction

12-3.20C(1) General

Clean temporary barrier segments at time of installation and at least every 6 months thereafter.

Install the temporary barrier system based on the requirements shown in the following table:

Minimum Clear Area Width

Barrier	Configuration	Height differentials 3 feet or less (ft)	Height differentials greater than 3 ft up to 8 feet (ft)	Edge of deck or height differentials greater than 8 feet (ft)	Fixed objects, falsework members, or temporary supports ^a (ft)
12'-6" temporary concrete barrier with "J" hooks	Freestanding	3	4	8	7
	3 stakes per segment traffic side	1	1	2	3
	2 anchor bolts per segment traffic side	1	1	2	3
20-foot temporary concrete barrier with "J" hooks	Freestanding	3	4	8	7
	4 stakes per segment traffic side	1	1	2	3
	3 anchor bolts per segment traffic side	1	1	2	3
50-foot temporary steel barrier	Staked or anchored at both ends only	6	7	9	10
	Staked or anchored every 250 feet	5	6	8	9
	Staked or anchored every 33 feet	1	1	3	4
10-foot, 20-foot & 30-foot temporary concrete barrier with cross bolts	Freestanding	1	2	5	5
20-foot Type K temporary railing	Freestanding	2	3	8	7
	2 stakes or 2 anchor bolts per segment traffic side	1	1	3	4
	4 stakes or 4 anchor bolts per segment	N/A	N/A	3	3

^aThe minimum clear area width to a falsework or temporary support footing can be 2 feet less than the clear area width shown. Measure clear area width to the footing edge closest to traffic.

Stake temporary barrier systems when placed on an asphalt concrete surface.

Anchor temporary barrier systems when placed on a concrete surface. For bridge decks, confirm the anchor will not penetrate closer than 1-1/2 inches from the bottom of the deck before placement. When temporary barrier is not shown, request the Engineer to verify the bridge deck thickness.

Stake or anchor a minimum 20 feet of temporary concrete barrier at each end of the temporary barrier system. For:

1. Temporary concrete barrier with "J" hooks, place a minimum of 6 stakes or anchors at each end, 3 on each side.
2. Temporary concrete barrier with cross bolts, place a minimum of 6 stakes or anchors at each end, 3 on each side.
3. Type K temporary railing, place 4 stakes or anchors at each end, 2 on each side.

For installations on concrete surfaces, drill holes and bond threaded rods or dowels under section 51-1.03E(5). Do not drill the top of supporting beams or girders, bridge expansion joints, or drains.

Install stakes and anchor bolts so the heads do not project above the top of the temporary barrier pocket profile.

For the approach zone before the protected area, place a minimum:

1. 60 feet temporary barrier on facilities with a posted speed of 45 mph or less
2. 100 feet temporary barrier on facilities with a posted speed greater than 45 mph

Offset the approach end of a temporary barrier system a minimum of 15 feet from the edge of an open traffic lane, use the offset rate shown in the following table:

Temporary Barrier System Offset Rate	
Posted speed (mph)	Rate ^a
0 to 45	10:1
46 to 60	15:1
61 to 70	20:1

^aRate is longitudinally to transversely with respect to the edge of the traveled way

If a 15-foot minimum offset cannot be achieved, offset the temporary barrier the maximum distance available and install an array of temporary crash cushion modules or an authorized temporary crash cushion system at the barrier approach end.

Install a reflector on the top or face of barrier segments placed within 10 feet of a traffic lane. Space reflectors at approximately 20-foot intervals. Apply adhesive for mounting the reflector under the reflector manufacturer's instructions.

Install a Type P marker panel complying with section 82 at:

1. Each end of a temporary barrier system placed adjacent to a two-lane, two-way highway
2. The end facing traffic for a temporary barrier system installed adjacent to a one-way roadbed
3. The end of the skew nearest the traveled way when a temporary barrier system is placed on a skew

Maintain a minimum height of 31-1/2 inches above surface for temporary barrier. For paving activities adjacent to temporary barrier, do not pave within 2 feet of the barrier segments unless authorized. For paving under the temporary barrier, remove and reset the barrier.

Remove temporary barrier systems when no longer required for the work. Remove stakes and anchor bolts so that minimal damage is done to surface.

After removing the temporary barrier systems:

1. Restore the area to its previous condition or construct it to its planned condition if temporary excavation or embankment was used to accommodate the temporary barrier.
2. Remove all threaded rods or dowels to a depth of at least 1 inch below the top of a concrete surface. Fill the resulting holes with mortar under section 51-1 except cure the mortar by the water method or by the curing compound method using curing compound no. 6.
3. Repair a damaged asphalt surface by providing a clean, smooth edge around the damaged area. Repair any heaving caused by stake removal to provide a uniform surface. Remove loose debris and use compressed air to clean out the stake hole. Comply with manufacturer's requirements except fill the stake hole with grout to existing pavement elevation under section 51-1.

If the Engineer orders a lateral move of a temporary barrier system and repositioning is not shown, the lateral move is change order work except for work area access, clear area width compliance, or because of your means and methods to perform the work.

12-3.20C(2) Temporary Concrete Barriers

12-3.20C(2)(a) General

Before placing temporary concrete barrier on the job site and after each described relocation, paint the exposed surfaces of the segments with white paint complying with specifications for acrylic emulsion paint for exterior masonry.

Place and maintain the abutting ends of segments in alignment without substantial offset from each other.

Install temporary barrier systems with the last segment extending a minimum of 60 feet past the length of the protected area.

12-3.20C(2)(b) Temporary Concrete Barrier with "J" Hooks

Install a minimum 200 feet of temporary concrete barrier with "J" hooks.

Place the temporary barrier system on a concrete or asphalt concrete surface. The asphalt concrete surface must have a minimum 2 inches of asphalt concrete over 6 inches of compacted subbase.

Install two parallel temporary barrier systems, one for each direction of travel, when placed between two-way traffic. Maintain the minimum clear area as shown in the table titled "Minimum Clear Area Width" between the two systems. Maintain a minimum 1-foot set back distance.

12-3.20C(2)(c) Temporary Concrete Barrier with Cross Bolts

Install a minimum 210 feet of temporary concrete barrier with cross bolts.

Place the temporary barrier system on a concrete or asphalt concrete surface.

Do not stake or anchor down temporary barrier system, except for 20 feet at end of the barrier system.

Intermix segments of different lengths within a temporary barrier system when necessary.

For a temporary barrier system placed on a curved layout, maintain the minimum curve radius shown in the following table:

Minimum Curve Radius	
Segment length (ft)	Curve radius (ft)
10	125
20	265
30	400

Maintain a minimum 1-foot set back distance when placed between two-way traffic.

12-3.20C(2)(d) Type K Temporary Railing

Do not install Type K temporary railing on projects advertised after December 31, 2026.

Install a minimum 160 feet of Type K temporary railing.

Excavate and backfill under section 19-3.

Do not compact earth fill placed behind Type K temporary railing in a curved layout.

Place temporary barrier system on a firm, stable surface. Grade the area to provide a uniform bearing surface throughout the entire length of the system.

Anchor or stake down the first and last segment and every other segment with four stakes as shown when placed between two-way traffic. Maintain a minimum 1-foot set back distance.

12-3.20C(2)(e)–12-3.20C(2)(g) Reserved

12-3.20C(3) Temporary Steel Barriers

12-3.20C(3)(a) General

Install temporary barrier system under manufacturer's instructions.

12-3.20C(3)(b) 50-Foot Temporary Steel Barriers

Use 50-foot temporary steel barriers with or without rubber pads.

Install a minimum 250 feet of 50-foot temporary steel barrier. The last segment must extend a minimum 25 feet past the length of the protected area.

Place the temporary barrier system on a concrete or asphalt concrete surface. Do not place the system on a dirt surface.

Anchor or stake down the first and last segment of the temporary barrier system.

Maintain a minimum radius of 800 feet for segments placed on a curved layout. For tighter curves down to a 250-foot radius, contact the manufacturer before installation and provide manufacturer's written recommendation for the installation.

Maintain a minimum 2-foot set back distance on both sides of a temporary barrier system used with traffic on both sides of the barrier.

12-3.20C(3)(c)–12-3.20C(3)(h) Reserved

12-3.20C(4)–12-3.20C(9) Reserved

12-3.20C(10) Temporary Terminal Sections

Reserved

12-3.20D Payment

The payment quantity for types of temporary barrier systems is the length measured along the top of the barrier segments.

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 10 minutes before closing the lane or shoulder or when directed by the Engineer.

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.

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

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	H xx	xx	xx	xxx							
	SD xx										
x	xx	H xx	xx	xxx							
		SD xx									
	xx	xx	H xx	xx	xxx						
			SD xx								
x	xx	xx	xx	H xx	xxx						
				SD xx	xxx						
				xx	H xx	xxx					
					SD xx						
					xx	H xx	xxx				
						SD xx					
						x	H xx	xxx			
					x	xx	H* xx	xx	xx	xx	xxx
							SD xx				
Legend:											
	Refer to lane requirement charts.										
x	The full width of the traveled way must be open for use by traffic after 1200.										
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 0800.										
H	Designated holiday										
H*	Thanksgiving Holiday – The full width of the traveled way must be open for use by traffic between Tuesday at 1200 until the following Monday at 0800.										
SD	Special day										

**Replace section 12-4.02C(3)(k) with:
12-4.02C(3)(k) Conventional Highway Lane Requirement Charts**

Comply with the requirements for the conventional highway lane closures shown in the following chart:

Chart No. K1_ Conventional Highway Lane Requirements																									
County: San Luis Obispo							Route/Direction: 229/NB+SB							Post Mile: 1.16+ 5.58											
Closure limits:																									
Hour	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mon– Thu									R	R	R	R	R	R	R	R	R								
Fri									R	R	R	R	R	R	R										
Sat																									
Sun																									
Legend:																									
<input type="checkbox"/> R	Provide at least 1 through traffic lane not less than 10 feet in width for use by both directions of travel. (Reversing Control)																								
<input type="checkbox"/>	Work is allowed within the highway where a shoulder or lane closure is not required.																								
REMARKS:																									
Max length of closure in ½ mile and maximum delay is 10 minutes. EA: 1Q5601 Date: 3/6/2023 Chart valid for one year prior to advertisement.																									

Add to the end of section 12-4.02C(7)(b):

For a stationary one-way-reversing traffic-control lane closure, you may stop traffic in 1 direction for periods not to exceed 10 minutes. After each stoppage, all accumulated traffic for that direction must pass through the work zone before another stoppage is made.

Link to the Standard Specifications applicable to the 2023 Edition of the Standard Specifications by reference made a part of the Agreement are available at:

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	229	1.16, 3.12, 5.58	1	7



INDEX OF PLANS

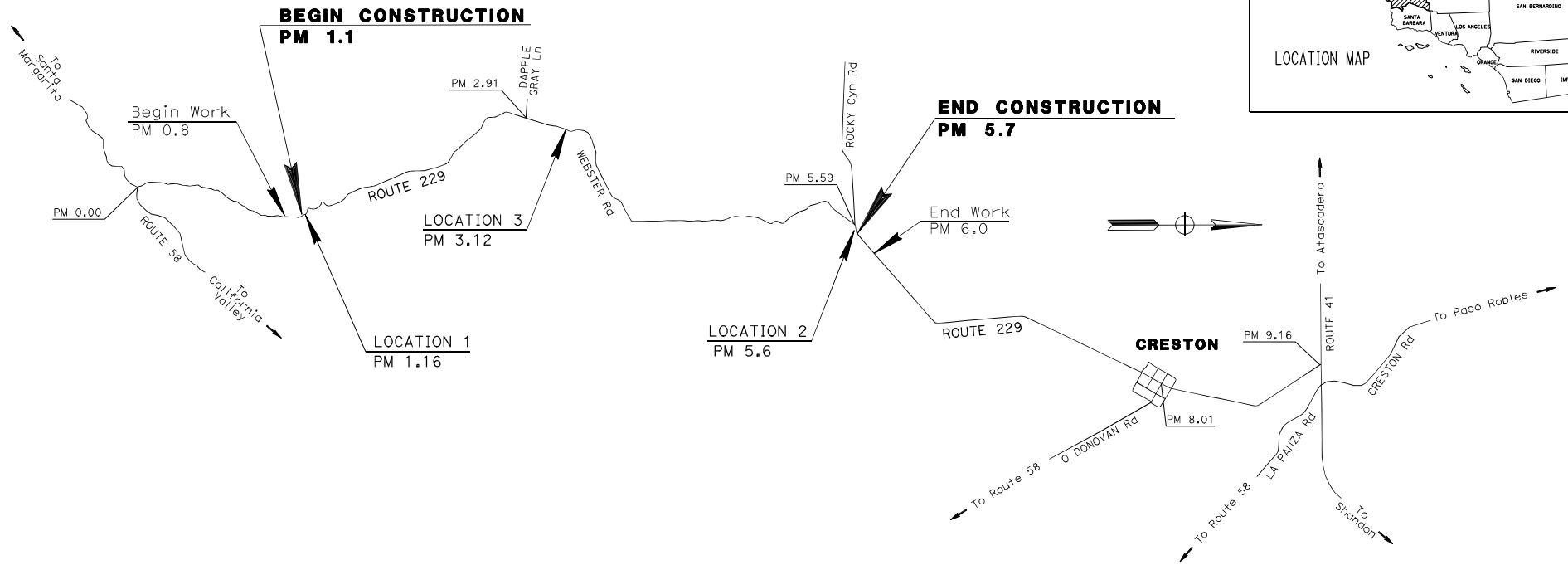
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-4	DRAINAGE PLAN AND PROFILE
5	DRAINAGE QUANTITIES AND DETAILS
6	CONSTRUCTION AREA SIGNS
7	REVISED STANDARD PLANS

**STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION**

**PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY**

**IN SAN LUIS OBISPO COUNTY
NEAR CRESTON AT VARIOUS LOCATIONS
FROM 1.2 MILES NORTH OF ROUTE 58
TO ROCKY CANYON RD**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2023



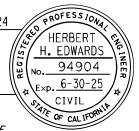
PROJECT MANAGER
ANDREW S. ROSE

DESIGN MANAGER
ANDREW S. ROSE

Herbert H. Edwards 1-16-24
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
 No. 94904
 Exp. 6-30-25
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE
 January 18, 2024

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.



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

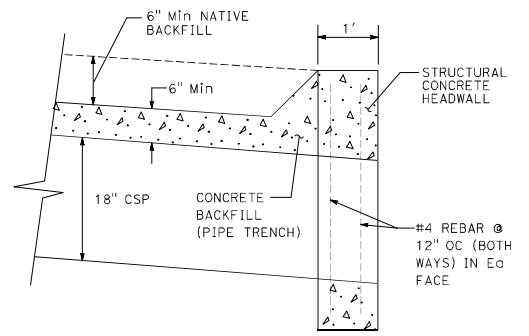
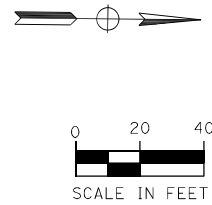
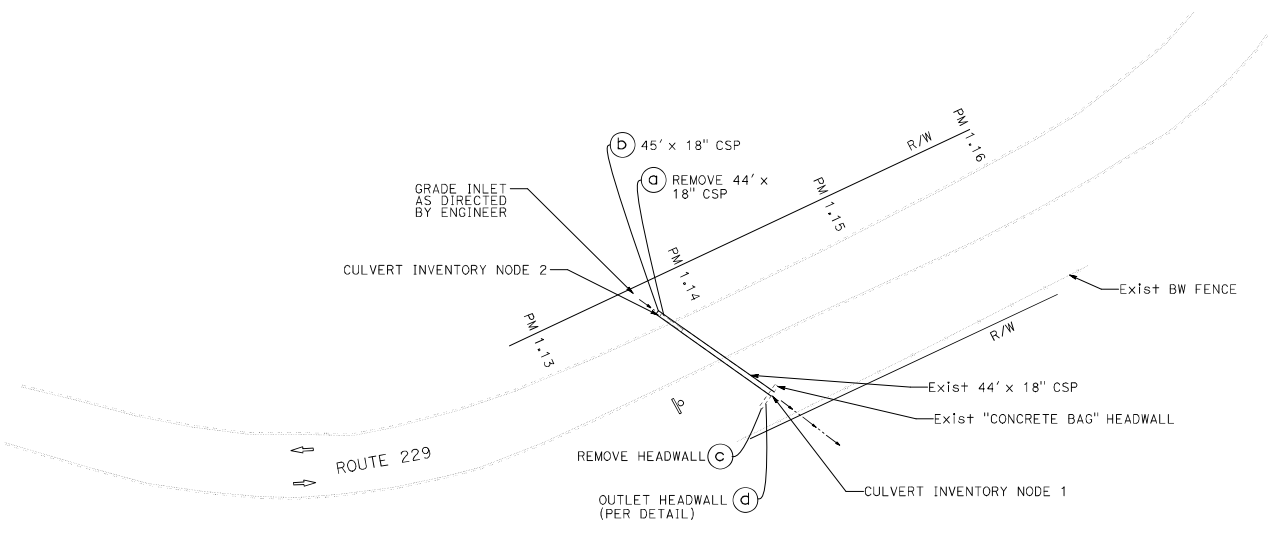
NO SCALE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	229	1.16, 3.12, 5.58	2	7

REGISTERED CIVIL ENGINEER No. 94904 Exp. 6-30-25 CIVIL STATE OF CALIFORNIA	1-16-24 DATE January 18, 2024 PLANS APPROVAL DATE
--	--

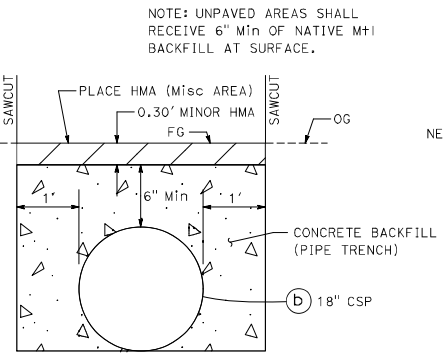
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Kelly's Maintenance DESIGN
 FUNCTIONAL SUPERVISOR
 KELLY McCLAIN
 HERB EDWARDS
 XXX
 DESIGNED BY
 CHECKED BY
 REVISIONS
 DATE
 REVISIONS
 DATE

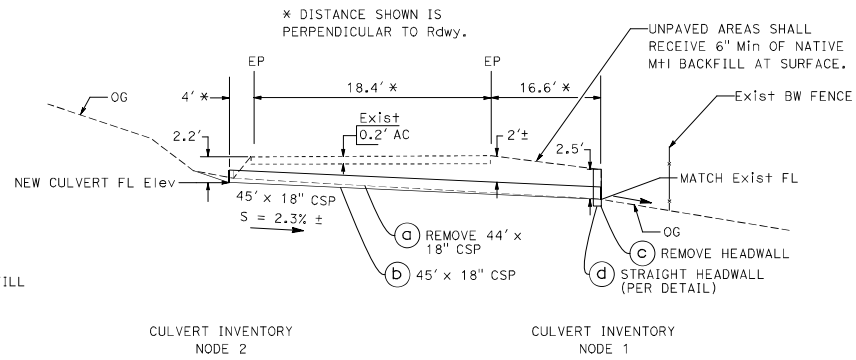


NOTES:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

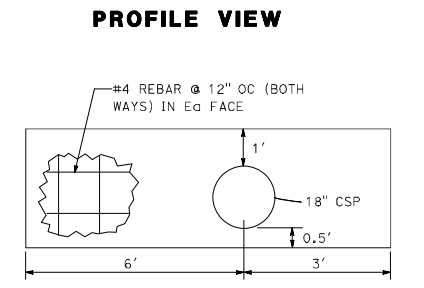
DRAINAGE SYSTEM No. 1 PLAN
CULVERT INVENTORY SYSTEM No. 492294000116
PM 1.16



TYPICAL TRENCH DETAIL
 NO SCALE



DRAINAGE SYSTEM No. 1 PROFILE
CULVERT INVENTORY SYSTEM No. 492294000116
PM 1.16
 NO SCALE



OUTLET HEADWALL DETAIL
 NO SCALE

DRAINAGE PLAN AND PROFILE

LAST REVISION DATE PLOTTED => 24-JAN-2024
 12-21-23 TIME PLOTTED => 14:33

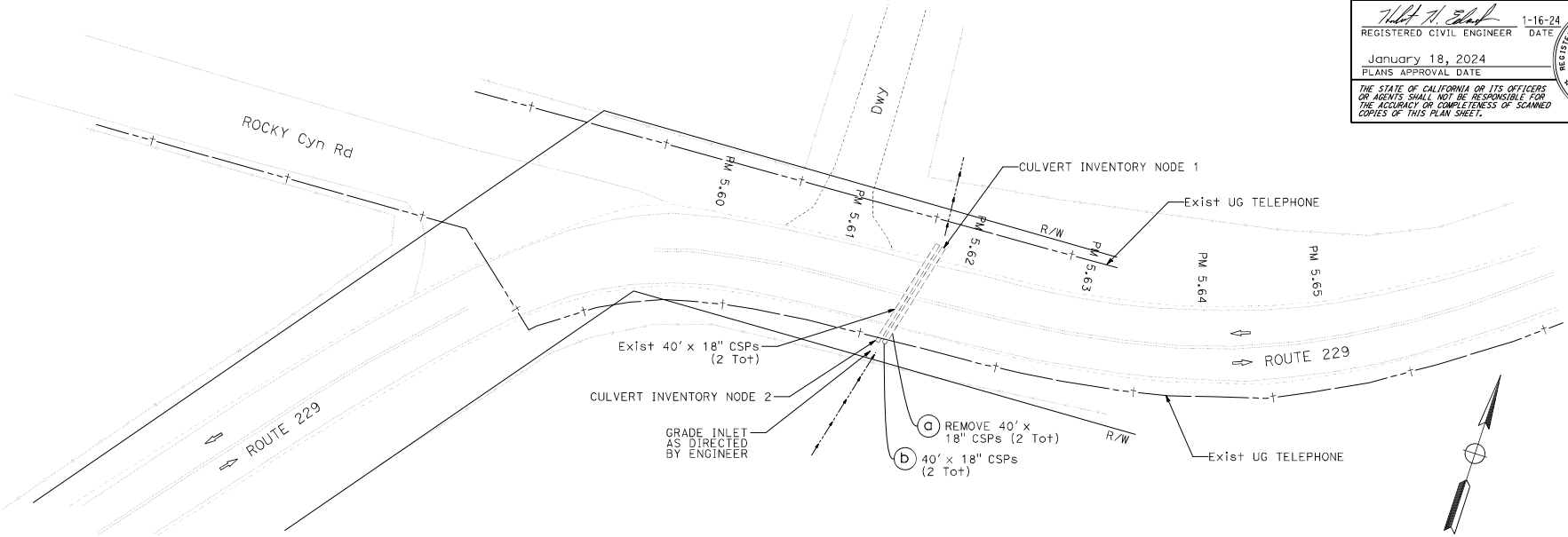
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	229	1.16, 3.12, 5.58	3	7

<i>Herb H. Edwards</i>		1-16-24
REGISTERED CIVIL ENGINEER	DATE	
January 18, 2024		
PLANS APPROVAL DATE		

REGISTERED PROFESSIONAL ENGINEER	HERBERT H. EDWARDS
No.	94904
Exp.	6-30-25
CIVIL	STATE OF CALIFORNIA

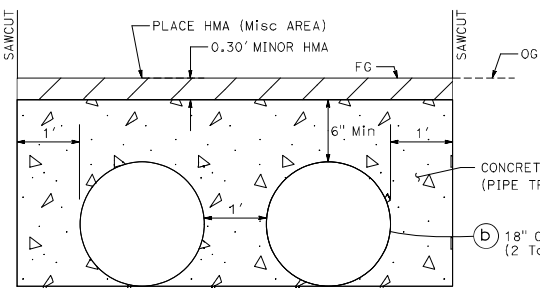
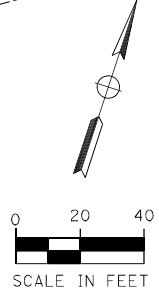
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: KELLY MCCLAIN
 DESIGNED BY: HERB EDWARDS
 CHECKED BY: XXX
 REVISED BY: DATE REVISED

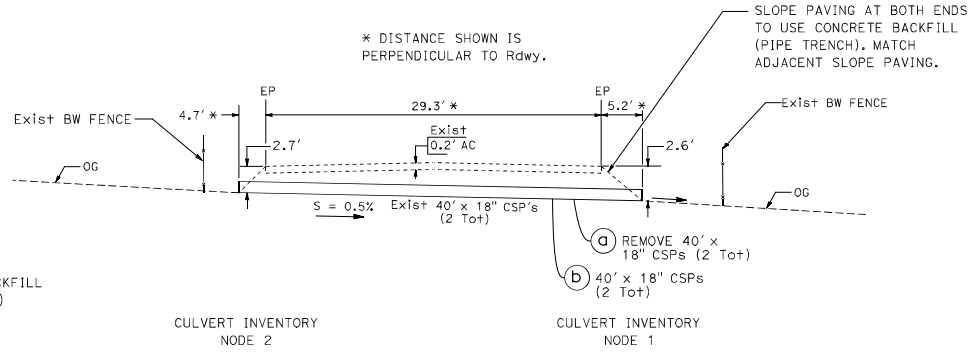


- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - LOCATIONS OF UTILITIES SHOWN IS APPROXIMATE ONLY. LOCATE UTILITIES BEFORE DIGGING.

DRAINAGE SYSTEM No. 2 PLAN
CULVERT INVENTORY SYSTEM No. 492291200558
PM 5.6



TYPICAL TRENCH DETAIL
 NO SCALE



DRAINAGE SYSTEM No. 2 PROFILE
CULVERT INVENTORY SYSTEM No. 492291200558
PM 5.6
 NO SCALE

DRAINAGE PLAN AND PROFILE
D-2

LAST REVISION: DATE PLOTTED => 24-JAN-2024
 12-21-23 TIME PLOTTED => 14:33

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	229	1.16, 3.12, 5.58	4	7

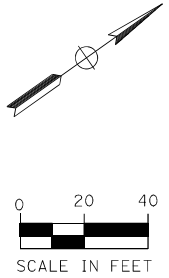
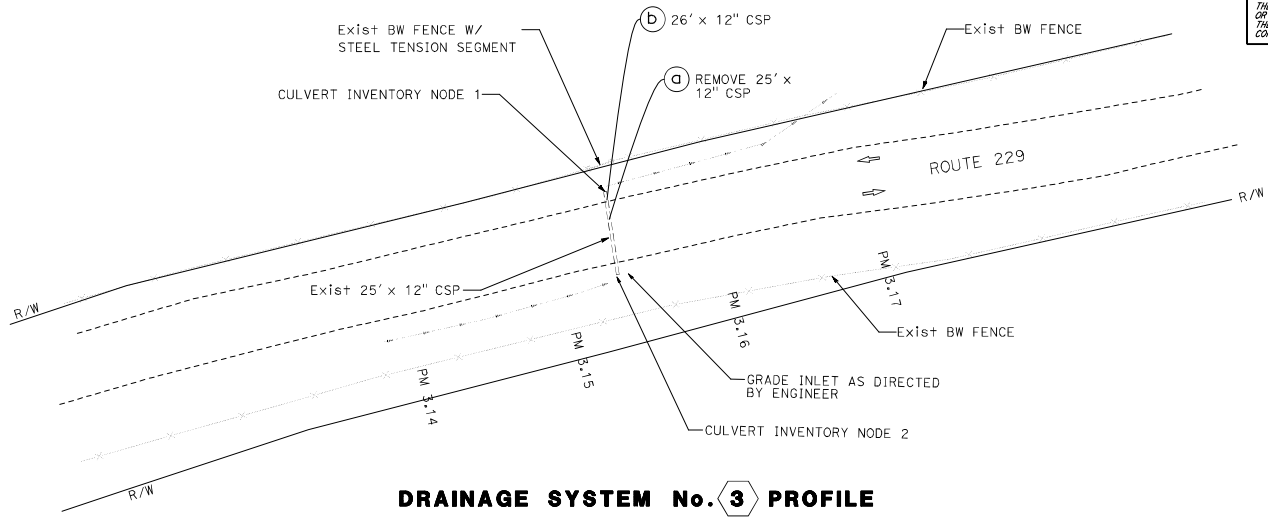
<i>Herb H. Edwards</i>		1-16-24
REGISTERED CIVIL ENGINEER	DATE	
January 18, 2024		
PLANS APPROVAL DATE		

REGISTERED PROFESSIONAL ENGINEER	HERBERT H. EDWARDS
No.	94904
Exp.	6-30-25
CIVIL	STATE OF CALIFORNIA

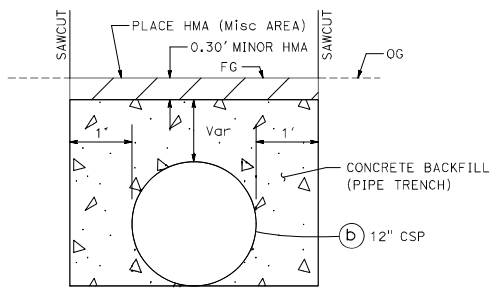
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NOTES:

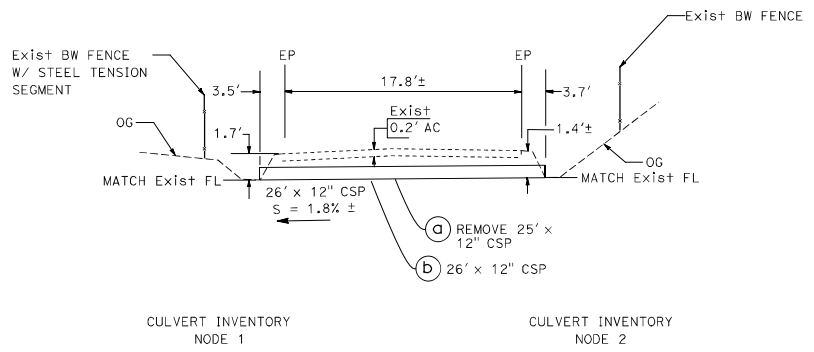
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



DRAINAGE SYSTEM No. 3 PROFILE
CULVERT INVENTORY SYSTEM No. 492290000312
PM 3.12



TYPICAL TRENCH DETAIL
NO SCALE



DRAINAGE SYSTEM No. 3 PROFILE
CULVERT INVENTORY SYSTEM No. 492290000312
PM 3.12
 NO SCALE

DRAINAGE PLAN AND PROFILE
D-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISIONS
Caltrans MAINTENANCE DESIGN	KELLY McCLAIN	HERB EDWARDS DATE REVISION XXX
CALCULATED BY	CHECKED BY	DESIGNED BY

LAST REVISION: DATE PLOTTED => 24-JAN-2024 12:21:23 TIME PLOTTED => 14:33

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	229	1.16, 3.12, 5.58	5	7

Herb H. Edwards
 REGISTERED CIVIL ENGINEER DATE 1-16-24
 No. 94904
 Exp. 6-30-25
 CIVIL ENGINEER
 STATE OF CALIFORNIA

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.

PAVEMENT DELINEATION QUANTITIES

SHEET No.	POST MILE	DETAIL No.	6" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	
			WHITE	YELLOW
			LF	LF
D-1	1.16	27B	20	
D-2	5.58	21 27B		20
D-3	3.12	27B	20	
SUBTOTAL			60	20
TOTAL			80	

APC ALLOWABLE PIPE MATERIALS

PIPE TYPE	COATING	MINIMUM THICKNESS INCH
CORRUGATED STEEL PIPE, HELICAL CORRUGATIONS 2 2/3" x 1/2" CORRUGATIONS	PLAIN GALVANIZED	0.079
	ALUMINIZED STEEL (TYPE 2)	0.079
	BITUMINOUS	0.079
	POLYMERIC SHEET	0.064
CORRUGATED STEEL PIPE, ANNULAR CORRUGATIONS 2 2/3" x 1/2" CORRUGATIONS	POLYMERIC SHEET	0.064
CORRUGATED ALUMINUM PIPE, HELICAL CORRUGATIONS 2 2/3" x 1/2" CORRUGATIONS		0.060
CORRUGATED ALUMINUM PIPE, ANNULAR CORRUGATIONS 2 2/3" x 1/2" CORRUGATIONS		0.060

OBJECT MARKERS

SHEET No.	RESET MARKER	OBJECT MARKER (TYPE L-1)
D-1	1	
D-2	2	2
D-3	2	
TOTAL	3	2

DRAINAGE QUANTITIES

DRAINAGE SHEET No.	DRAINAGE SYSTEM No.	DRAINAGE UNIT	REMOVE CULVERT	REMOVE HEADWALL	STRUCTURAL CONCRETE, HEADWALL	BAR REINFORCING STEEL	ALTERNATE PIPE CULVERT		CONCRETE BACKFILL (PIPE TRENCH)	MAXIMUM HEIGHT OF COVER	MINOR HMA	DESCRIPTION	CULVERT INVENTORY SYSTEM No.	CULVERT INVENTORY SYSTEM NODE		
							12"	18"								
D-1	1	a	44						45	11.6	2.0'	1.2	REMOVE 18" CSP 18" APC	492294000116	2 TO 1	
		b														
		c		1										REMOVE HEADWALL (SACK CONCRETE)		
		d			1.0	57								"STRAIGHT" HEADWALL (OUTLET)		
D-2	2	a	80								2.5'		REMOVE 18" CSPS (2 To+) 18" APC	492291200558	2 TO 1	
		b							80	19.7		3.2				
D-3	3	a	25								1.5'		REMOVE 12" CSP	492290000312	2 TO 1	
		b						26		6.0		1.2	12" APC			
TOTAL			149	1	1.0	57	26	125	37.3		5.6					

(N) - NOT A SEPARATE BID ITEM

**DRAINAGE QUANTITIES
DQ-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: KELLY McCLAIN
 REVISIONS: HERB EDWARDS
 CALCULATED, DESIGNED BY: XXX
 CHECKED BY: XXX

LAST REVISION DATE PLOTTED => 24-JAN-2024
 12-21-23 TIME PLOTTED => 14:33

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	229	1.16, 3.12, 5.58	6	7

REGISTERED CIVIL ENGINEER
 1-16-24 DATE
 HERBERT H. EDWARDS
 No. 94904
 Exp. 6-30-25
 CIVIL
 STATE OF CALIFORNIA

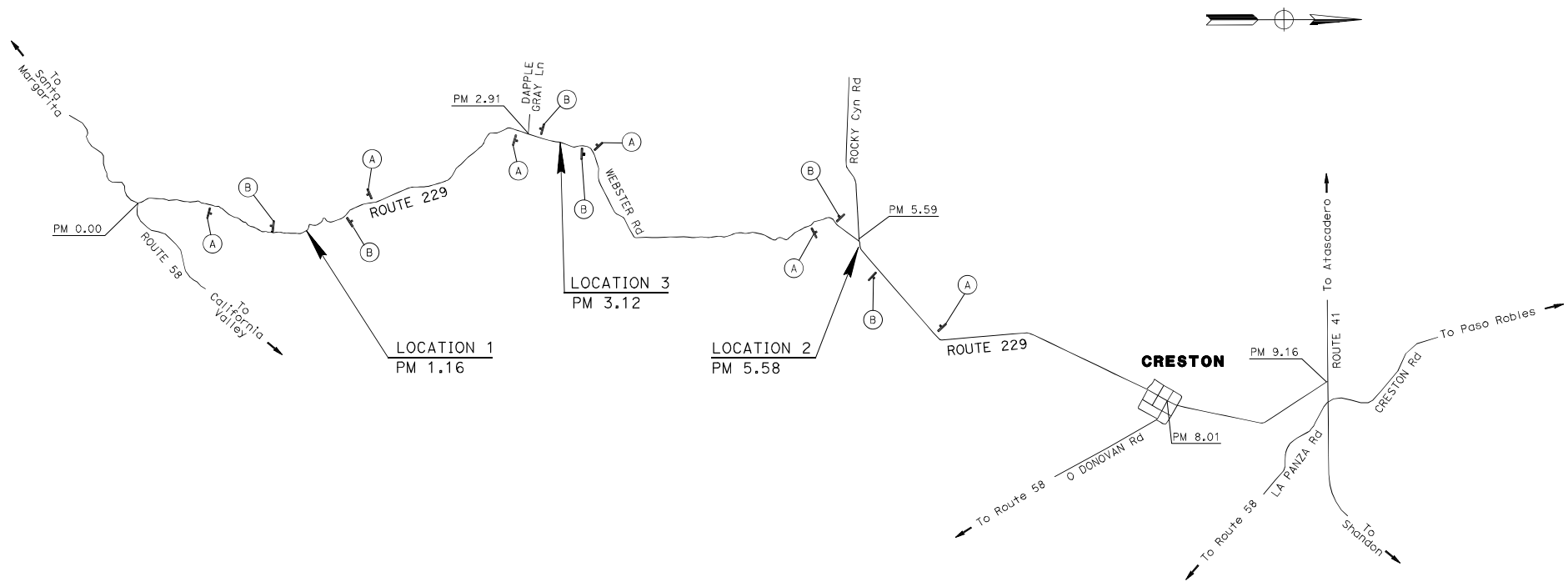
January 18, 2024
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:
 LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN DESIGNATION	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
A	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 4"	6
B	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: KELLY McCLAIN
 CALCULATED BY: HERB EDWARDS
 DESIGNED BY: XXX
 CHECKED BY: XXX
 REVISED BY: XXX
 DATE REVISED: XXX





CONSTRUCTION AREA SIGNS
 NO SCALE **CS-1**

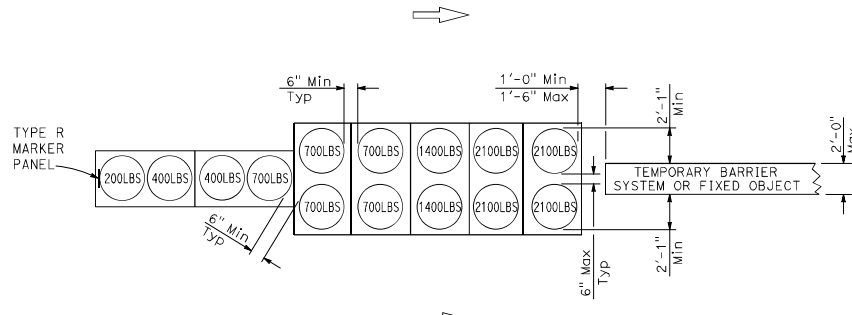
APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

LAST REVISION: DATE PLOTTED => 24-JAN-2024
 12-21-23 TIME PLOTTED => 14:33

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	229	1.16, 3.12, 5.58	7	7

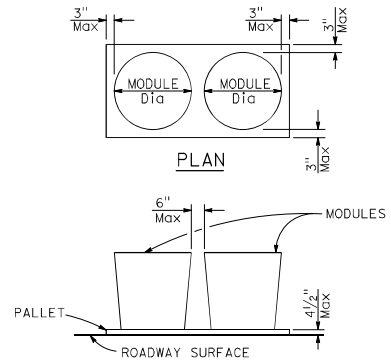
 REGISTERED CIVIL ENGINEER		
January 22, 2024 PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>		

TO ACCOMPANY PLANS DATED JANUARY 18, 2024



ARRAY 'TU14M'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal. Sand must contain no more than 7 percent water.
3. Refer to Standard Plan A73B for marker details.
4. Approach speeds indicated conform to MASH criteria.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JANUARY 22, 2024 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2023 - PAGE 311 OF THE STANDARD PLANS BOOK DATED 2023.

REVISED STANDARD PLAN RSP T1A

2023 REVISED STANDARD PLAN RSP T1A