Draft 100% Submittal

STATE OF CALIFORNIA

COUNTY OF PLUMAS
DEPARTMENT OF PUBLIC WORKS

NOTICE TO BIDDERS

&

SPECIAL PROVISIONS

FOR CONSTRUCTION OF BECKWOURTH-CALPINE ROAD PAVEMENT REHABILITATION

IN

PLUMAS COUNTY, NEAR CALPINE, CA

9/16/2025

For use in connection with federally funded Local Assistance construction projects administered under the Standard Specifications Dated 2024 and Standard Plans Dated 2024 of the California Department of Transportation, and the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished.

CONTRACT NO: 2025-007
BID OPENING DATE: October 22, 2025

TABLE OF CONTENT

SPECIAL NOTICES

- Bids must be on a unit price basis.
- The number of working days for this contract is 30.
- The estimated cost of the project is $3,100,000.
- No prebid meeting is scheduled for this project.
- This contract is subject to state contract nondiscrimination and compliance requirements pursuant to Government Code, Section 12990.
- At the time of bid the contractor has the option to opt out of payment adjustments for price index fluctuations. Form DES-OE-0102.12A, "Opt Out of Payment Adjustments for Price Index Fluctuations," is included in this bid package. If the contractor does not include a completed opt out form in the bid book, then all of the requirements apply to the project.
- Under Public Contract Code § 4100 et seq., the Bidder must set forth in the bid the name, the location of the place of business, the California contractor license number, and the portion of work of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or a subcontractor licensed by the State of California who, under subcontract to the prime contractor, specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of 1 percent of the prime contractor's total bid or ten thousand dollars ($10,000), whichever is greater.
- Complete and submit with our bid Form DES-OE-0102.2C, "Subcontractor List," included in the bid documents.
- A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.
- Inquiries or questions based on alleged patent ambiguity of the plans, specifications or estimate must be communicated as a bidder inquiry prior to bid opening. Any such inquiries or questions, submitted after bid opening, will not be treated as a bid protest.
- See section 6-1.08 for the requirements for environmental product declarations for hot mix asphalt and concrete materials and products.

DEFINITIONS AND TERMS

Wherever in the Standard Specifications, Special Provisions, Notice to Bidders, Proposal, Contract, or other contract documents the following terms are used, the intent and meaning must be interpreted as follows:

County = County of Plumas, California, a legal entity organized and existing in the State of California, where reference is made to the agency administering the Contract.

Department or Department of Transportation = Plumas County Department of Public Works

Director or Director of Transportation = The Board of Supervisors of the County of Plumas

Engineer = The Director of Public Works of the County of Plumas, California, acting either directly or through duly authorized agents or consultants

Highway = Highway, road, roadway, street, avenue, lane, boulevard, or other public thoroughfare for vehicular traffic.

Transportation Laboratory or Laboratory = The established laboratory of the Plumas County Department of Public Works or laboratories authorized by the County to test materials and work involved in the contract.

Liquidated Damages = The amount prescribed in the Special Provisions, pursuant to the authority of Government Code Section 53069.85 to be paid to the County of Plumas or to be deducted from any payments due or to become due the Contractor for each day of delay in completing the whole or any specified portion of the work beyond time allowed in the Special Provisions.

State = the County of Plumas, California, a legal entity organized and existing in the State of California, where reference is made to the agency administering the Contract.

State Contract Act = All applicable provisions of the Public Contract Code (excluding Chapter 1, Division 2, Part 2, therein), Government Code, Labor Code, Civil Code, Business & Professions Code, as they apply to contracts with local public agencies, as defined in said codes.

COUNTY OF PLUMAS

DEPARTMENT OF PUBLIC WORKS

NOTICE TO BIDDERS

CONTRACT NO. _____

Sealed bids for the work shown on the plans entitled:

STATE OF CALIFORNIA
COUNTY OF PLUMAS
DEPARTMENT OF PUBLIC WORKS
PROJECT PLANS FOR BECKWOURTH-CALPINE ROAD PAVEMENT REHABILITATION

IN
PLUMAS COUNTY, NEAR CALPINE, CA

Bids will be received at the Office of the Public Works Building Conference Room, 1834 East Main Street, Quincy, CA 95971 until October 22, 2025, 3:00 PM at which time they will be publicly opened and read.

COUNTY OF PLUMAS
DEPARTMENT OF PUBLIC WORKS
BID FOR

CONSTRUCTION OF BECKWOURTH-CALPINE ROAD PAVEMENT REHABILITATION
IN
PLUMAS COUNTY, NEAR CALPINE, CA

General work description: Road Pavement Rehabilitation

THIS PROJECT IS SUBJECT TO THE "BUY AMERICA" PROVISIONS OF THE SURFACE TRANSPORTATION ASSISTANCE ACT OF 1982 AS AMENDED BY THE INTERMODAL SURFACE TRANSPORTATION EFFICIENCY ACT OF 1991.

Bids are required for the entire work described herein.

The contractor shall possess a Class A license or a combination of classes required by the categories and types of work included in the contract at the time this contract is awarded.

This contract is subject to state contract nondiscrimination and compliance requirements pursuant to Government Code, Section 12990.

Inquiries or questions based on alleged patent ambiguity of the plans, specifications or estimate must be communicated as a bidder inquiry prior to bid opening. Any such inquiries or questions, submitted after bid opening, will not be treated as a bid protest.

Plans and specifications may be obtained for a

NONREFUNDABLE FEE OF $40.00 PER SET AT:

Plumas County Department of Public Works

1834 East Main Street

Quincy, CA 95971

OR NONREFUNDABLE FEE OF $50.00 PER SET IF MAILED.

Technical questions should be directed to the Office of the Director of Public Works, County of Plumas, in Quincy, California, telephone (530) 283–6268.

The successful bidder shall furnish a payment bond and a performance bond.

The County of Plumas affirms that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation.

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

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

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

COUNTY OF PLUMAS

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ROBERT THORMAN, P.E .

DIRECTOR OF PUBLIC WORKS

DATED _____

COPY OF BID ITEM LIST

(NOT TO BE USED FOR BIDDING PURPOSES)

ITEM NO.	F	ITEM CODE	ITEM	UNIT OF MEASURE	ESTIMATED QUANTITY
1		12 0090	CONSTRUCTION AREA SIGNS	LS	1
2		12 0100	TRAFFIC CONTROL SYSTEM	LS	1
3		13 0100	JOB SITE MANAGEMENT	LS	1
4		13 0201	WATER POLLUTION CONTROL PROGRAM	LS	1
5		19 0185	SHOULDER BACKING	TON	762
6		39 0095	REPLACE ASPHALT CONCRETE SURFACING	CY	250
7		39 0132	HOT MIX ASPHALT (TYPE A)	TON	5,850
8		39 7005	TACK COAT	TON	
9		84 0656	PAINT TRAFFIC STRIPE (2-COAT)	LF	59,925
10		99 9990	MOBILIZATION	LS	1

F – Designates a final pay item

COUNTY OF PLUMAS

DEPARTMENT OF PUBLIC WORKS

SPECIAL PROVISIONS

Annexed to Contract No. - _____

SUPPLEMENTAL TECHNICAL PROVISIONS

THE TECHNICAL PROVISIONS HEREIN HAVE BEEN PREPARED UNDER THE DIRECTION OF THE FOLLOWING LICENSED INDIVIDUALS:

Robert E. Sennett IV

Registered Professional Engineer, Structural No. 3976

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)**

PAVEMENT MARKERS, TRAFFIC LINES, AND PAVEMENT MARKINGS

A20A	**Pavement Markers and Traffic Lines - Typical Details**
A20B	**Pavement Markers and Traffic Lines - Typical Details**

PAVEMENTS

P75	**Pavement Edge Treatments - Overlays**

ORGANIZATION

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

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

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

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DIVISION I GENERAL PROVISIONS

1 GENERAL

Not Modified

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2 BIDDING

Not Modified

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3 CONTRACT AWARD AND EXECUTION

Not Modified

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4 SCOPE OF WORK

Not Modified

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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 duly authorized motor carriers of property in dump trucks for transportation charges under Bus & Prof Code § 7108.6. 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. 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.

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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.

Add to section 6-1:

6-1.08 ENVIRONMENTAL PRODUCT DECLARATIONS FOR HOT MIX ASPHALT AND CONCRETE

Section 6-1.08 includes specifications for environmental product declarations for hot mix asphalt and concrete materials and products.

See section 6-1.06B for definitions.

For projects with bid opening dates after February 1, 2025, with a total bid over $1 million and 175 or more original working days, materials or products specified in the following table require facility-specific, product stage, environmental product declarations as informational submittals:

Material or product	Material specifications
Hot mix asphalt[a]	Section 39-2, "Hot Mix Asphalt" Excludes RHMA, OGFC, and BWC materials.
Concrete[b]	Section 28-2, "Lean Concrete Bases," Section 28-3, "Rapid Strength Concrete Base," Section 28-4, "Lean Concrete Base Rapid Setting," Section 28-5, "Concrete Base," Section 40, "Concrete Pavement," Section 47-5, "Type 6 Retaining Walls," Section 49-3, "Cast-In-Place Concrete Piling," Section 49-4, "Steel Soldier Piling," Section 51, "Concrete Structures," Section 58-2, "Masonry Block," Section 73, "Concrete Curbs and Sidewalks," Section 83, "Railings and Barriers," and Section 99, "Building Construction." Excludes volumetric-proportioned rapid strength concrete and Section 90-4 PC concrete members.

[a]For each hot mix asphalt plant providing 2,250 tons or more on the project by job mix formula.
[b]For each concrete plant providing 250 cubic yards or more on the project by mix design.

The requirements in section 6-1.08 do not apply to seasonal plants operating fewer than 6 months per year.

The requirements in section 6-1.08 do not apply to informal-bid contracts.

For product category rules for hot mix asphalt or concrete, go to the METS website. Use the product category rule in effect on the date of bid opening unless otherwise authorized. An environmental product declaration for hot mix asphalt or concrete is not required for either of the following conditions:

1. Applicable product category rule has expired without replacement as of the bid opening date.
2. Applicable product category rule was issued less than 50 days before the bid opening date.

Immediately notify the Engineer if a program operator has determined their product category rule does not allow for development of a facility-specific environmental product declaration. Include written correspondence from the program operator with your notification to the Engineer. If the Engineer determines the development of a facility-specific environmental product declaration cannot be achieved, an environmental product declaration will not be required for that material or product.

You must register on the Department’s Data Interchange for Materials Engineering (DIME) at least 15 days before submitting environmental product declarations. Follow the registration process at:

https://dime.dot.ca.gov/

Within 30 days of initial placement of each applicable material or product, submit a facility-specific, product stage, environmental product declaration informational submittal to DIME and provide proof of submission in PDF file format to the Engineer. The DIME entry information must include intended use of materials and estimated quantities of materials to be used as represented by the environmental product declaration.

Failure to provide a required environmental product declaration informational submittal will result in a $6,000 performance failure withhold for each missing declaration. The Department returns the withhold within 30 days after receipt of the compliant declaration if submitted prior to Contract acceptance. Withholds become permanent deductions if the declaration is not submitted before Contract acceptance.

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7 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

Delete the 24th paragraph of section 7-1.04.

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8 PROSECUTION AND PROGRESS

Replace the row for *Schedule* in the table in the 2nd paragraph of section 8-1.03 with:

Schedule	Baseline schedule and weekly statement of working days report

Replace the 4th and 5th paragraphs of section 8-1.05 with:

The Engineer issues a weekly statement of working days report by the end of the following week. If you disagree with a weekly statement of working days report, submit an RFI within 5 business days of receipt of the report.

The weekly statement of working days report shows:

1. Working days and non–working days during the reporting week
2. Time adjustments
3. Calculations of work completion dates, including working days remaining
4. Controlling activities

Delete the 6th paragraph of section 8-1.05.

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9 PAYMENT

Replace the 1st paragraph of section 9-1.11D with:

For progress payments, the total work completed for the TRO bid item is the number of working days shown for the pay period on the weekly statement of working days report.

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DIVISION II GENERAL CONSTRUCTION

10 GENERAL

Not Modified

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11 WELDING

Not Modified

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12 TEMPORARY TRAFFIC CONTROL

Replace section 12-3.20 with:

12-3.20 TEMPORARY BARRIER SYSTEMS

12-3.20A General

12-3.20A(1) Summary

Section 12-3.20 includes specifications for placing, maintaining, repairing, and removing temporary barrier systems.

Temporary barrier system consists of:

1. New or undamaged used interconnected barrier segments
2. Segment connection hardware
3. Stakes and anchor bolts

12-3.20A(2) Definitions

approach zone: Area immediately upstream of the work area and buffer space.

clear area width: Minimum width throughout the length of the barrier system that must be maintained clear of obstructions, objects, and work resources during non-working hours. The width is measured perpendicular from the non-traffic side toe.

departure zone: Area past the work area and the trailing end of the construction area.

height differential: May be an excavation, a downward slope greater than 4:1, or a difference in elevation. The height differential is measured down from the top of pavement.

set back distance: Space measured between the closest toe of temporary barrier and the edge of traveled way for each direction of traffic.

12-3.20A(3) Submittals

Submit as informational submittal for each type of temporary barrier system:

1. Certificate of compliance.
2. Manufacturer's installation instructions except for temporary concrete barriers with loop and pin and temporary concrete barriers with cross bolt.
3. Manufacturer's concrete QC test results and daily production log of precast concrete activities, through the Data Interchange for Materials Engineering (DIME) website, except for Type K temporary railing. For QC test results, use project identifier 88887 in the DIME sample record. QC test results must include the concrete mix design number, barrier stamped ID, and must be submitted within 3 business days of QC test completion.

Submit test reports for cross bolts that certify compliance with the applicable ASTM requirements. The test reports must be from a laboratory that is accredited to International Standards Organization/International Electrotechnical Commission 17025 by the American Association for Laboratory Accreditation (A2LA) or the ANSI-ASQ National Accreditation Board.

Submit a signed manufacturer's replacement evaluation report within 10 days of damage to a temporary steel barrier system.

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 temporary concrete barriers with loop and pin and temporary concrete barriers 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 1 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 as 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 precast concrete 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. Repair minor damage under section 51-1.03F(2), for temporary concrete barriers with loop and pin and temporary concrete barriers with cross bolt.

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 5,000-psi compressive strength, except for Type K Temporary Railing.

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. From 3/16 to 1/4 inch in depth
   4.3. Centered on the top width of the barrier segment
5. Use one of the following segment connections:
   5.1. Loop and pin
   5.2. "J" hook
   5.3. Cross bolt
6. Comply with the tolerances shown in the following table:

Precast Barrier Tolerances

Dimension	Tolerance(±)
Length (in)	1
Insert placement (in)	1/2
Horizontal alignment (in)	1/8 per 10 feet of length
Deviation of ends (in):	
Horizontal skew	1/4
Vertical batter	1/8 per foot of depth

Reinforcement steel must:

1. Comply with ASTM A615 or ASTM A706, Grade 60
2. Be galvanized under section 52-3, when required

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

Stake must:

1. Comply with ASTM A36/A36M-14 or ASTM A529-14, Grade 50
2. Be 1-1/2 inches in diameter and 36 inches long, except "J" Hook must be 48 inches long
3. Have a 1/2-by-3-1/2-by-3-1/2-inch plate welded 2 inches down from the upper end using a 3/8-inch fillet weld under AWS D1.1 or D1.4

Anchor bolt must:

1. Be a bolt or threaded rod 1-1/8 inches in diameter
2. Comply with ASTM A307
3. Include a 1/2-by-3-1/2-by-3-1/2-inch plate washer:
   3.1. With a 1-3/8-inch-diameter hole in the center
   3.2. Complying with ASTM A36/A36M
   3.3. Galvanized post fabrication under section 75-1.02B

Threaded rod must include a nut complying with ASTM A563.

Anchor steel plate must:

1. Be 1/2 inch thick
2. Comply with ASTM A572, Grade 50
3. Be galvanized post fabrication under section 75-1.02B

Chemical adhesive must be on the Authorized Materials List for chemical adhesives and must be for a threaded rod at least 1 inch in diameter.

12-3.20B(2)(b) Temporary Concrete Barriers with Cross Bolt

Cross bolt hardware includes:

1. Cross bolt
2. Nut 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 bolt must:

1. Be a 7/8-inch bolt or threaded rod and comply with one of the following:
   1.1. HS threaded rod ASTM A193, 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

12-3.20B(2)(c) Temporary Concrete Barriers with Loop and Pin

12-3.20B(2)(c)(i) General

Not Used

12-3.20B(2)(c)(ii) Temporary Barrier Systems CAL F-23

Connecting loop must:

1. Be a steel bar 3/4 inch in diameter
2. Comply with ASTM A36/A36M, cold roll
3. Be galvanized after fabrication

Connecting pin must:

1. Comply with ASTM A449
2. Be forged, no welds
3. Be 1 inch in diameter and a minimum 30-1/4 inches long
4. Be galvanized under ASTM F2329 and A153

12-3.20B(2)(c)(iii) Type K Temporary Railings

Connecting pin must comply with ASTM A307, be 1-1/4 inch in diameter, and be a minimum 26 inches long. A round bar of the same diameter and length may be substituted for the connecting bolt. The round bar must:

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

Stake must:

1. Comply with ASTM A706, Grade 60
2. Be 1 inch in diameter and 24 inches long
3. Have a 2-3/4-inch-diameter, 1/2-inch-thick plate, welded 1 inch down from the upper end using a 3/8-inch fillet welds under AWS D1.1 or D1.4

Anchor bolt must:

1. Be a threaded rod, 1 inch in diameter and 15-1/2 inches long
2. Comply with ASTM A307
3. Include a nut complying with ASTM A563
4. Include a 3/8-by-2-1/2-by-3-inch plate washer:
   4.1. 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)(d) Temporary Concrete Barriers with "J" Hook

"J" hook must:

1. Comply with ASTM A36/A36M
2. Be 3/8-inch-thick steel plate
3. Be a minimum 18 inches in height

Anchor hardware must include:

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

12-3.20B(3) Temporary Steel Barriers

Temporary steel barrier 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

Temporary steel barrier 19-foot segment must be filled to a depth of 11-13/16 inches with concrete ballast.

12-3.20C Construction

12-3.20C(1) General

Install the minimum length of application for temporary barrier systems, including:

1. Approach zone
2. Work area
3. Departure zone

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

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

Minimum Clear Area Width

Barriers	Configuration	Height differentials 3 feet or less (ft)	Height differentials greater than 3 feet 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)
10-foot & 30-foot temporary concrete barrier with cross bolt	Freestanding	1	2	5	5
	3 stakes or anchor bolts per segment traffic side	1	1	2	3
20-foot temporary concrete barrier with cross bolt	Freestanding	1	2	5	5
	4 stakes or anchor bolts per segment traffic side	1	1	2	3
12-foot temporary concrete barrier CAL F-23	Freestanding	4	5	8	8
	3 stakes or anchor bolts per segment traffic side	1	1	2	3
20-foot temporary concrete barrier CAL F-23	Freestanding	4	5	8	8
	4 stakes or anchor bolts per segment traffic side	1	1	2	3
12.5-foot temporary concrete barriers with "J" hook	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 barriers with "J" hook	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 barriers	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
19-foot temporary steel barriers	Freestanding	4	5	7	8
12-foot-9-inch temporary steel barriers	Staked every 30 feet	1	2	4	5
	Freestanding	2	3	8	7

20-foot Type K temporary railings (NCHRP 350)	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

[a]The 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.

Place temporary barrier systems on concrete or asphalt concrete pavement.

When required, stake temporary barrier systems placed on asphalt concrete pavement.

When required, anchor temporary barrier systems placed on concrete pavement. 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.

For installations on concrete pavement, drill holes and bond anchor bolts, 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.

Offset the approach zone of temporary barrier systems a minimum of 15 feet from the edge of an open traffic lane and stake or anchor barrier ends as shown. Taper the temporary barrier approach zone toward the edge of the open traffic lane at the rate shown in the following table:

Temporary Barrier System Taper Rate

Posted speed (mph)	Rate[a]
0 to 45	10:1
46 to 60	15:1
61 to 65	20:1

[a]Rate is longitudinally to transversely with respect to the edge of the traveled way

When a 15-foot minimum tapered offset cannot be achieved, offset temporary barrier systems the maximum distance available, place the first segment at the approach end parallel to the road, and install an authorized temporary crash cushion system at each barrier approach end. Ensure the temporary barrier approach zone length is a minimum:

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

Place a minimum 60 feet temporary barrier departure zone length.

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 pavement for temporary barrier systems. For paving activities adjacent to temporary barriers, 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 pavement.

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 concrete pavement. 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 damaged asphalt pavement 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 barrier systems 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.

For freestanding temporary barrier systems, you may extend the taper by 60 feet beyond the required 15-foot tapered offset instead of anchoring the barrier ends.

Install stakes or anchors as shown and maintain a minimum 1-foot set back distance on both sides of barrier, when temporary barrier systems are placed with traffic on both sides.

12-3.20C(2)(b) Temporary Concrete Barriers with Cross Bolt

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

For temporary barrier systems 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

12-3.20C(2)(c) Temporary Concrete Barriers with Loop and Pin

12-3.20C(2)(c)(i) General

Not Used

12-3.20C(2)(c)(ii) Temporary Concrete Barriers CAL F-23

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

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

Minimum Curve Radius

Segment length (ft)	Curve radius (ft)
12	100
20	165

12-3.20C(2)(c)(iii) Type K Temporary Railings

Do not install Type K temporary railings 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 railings in a curved layout.

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

12-3.20C(2)(d) Temporary Concrete Barriers with "J" Hook

When temporary barrier systems are placed with traffic on both sides, install on each side:

1. 2 anchors or stakes for 12.5-foot segments
2. 3 anchors or stakes for 20-foot segments

12-3.20C(3) Temporary Steel Barriers

12-3.20C(3)(a) General

Install temporary barrier systems 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.

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.

Stake or anchor segments every 33 feet and maintain a minimum 2-foot set back distance on both sides of barrier, when temporary barrier systems are placed with traffic on both sides.

12-3.20C(3)(c) 19-Foot Temporary Steel Barriers

Install a minimum 323 feet of 19-foot temporary steel barrier.

Maintain a minimum radius of 262 feet for segments placed on a curved layout.

Maintain a minimum 5-foot set back distance on both sides of barrier, when temporary barrier systems are placed with traffic on both sides.

12-3.20C(3)(d) 12-Foot-9-Inch Temporary Steel Barriers

Install a minimum 260 feet of 12-foot-9-inch temporary steel barrier.

Maintain a minimum radius of 755 feet for segments placed on a curved layout.

Stake or anchor segments and maintain a minimum 2-foot set back distance on both sides of barrier, when temporary barrier systems are placed with traffic on both sides.

12-3.20D Payment

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

Add to section 12-4.01A:

Submit a traffic control system plan for review and approval. Allow 10 business days for review.

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

Add to the end of section 12-4.02C(3)(a):

If work vehicles or equipment is parked on the shoulder within 6 feet of a traffic lane, close the shoulder area with fluorescent-orange traffic cones or portable delineators. Place the cones or delineators on a taper in advance of the parked vehicles or equipment and along the edge of the traveled way at 25-foot intervals to a point not less than 25 feet past the last vehicle or piece of equipment. Use at least 9 cones or delineators for the taper. Place advance warning signs as specified in section 12-4.02C(8).

Keep a minimum of 1 paved traffic lane at least 12 feet wide open for traffic.

Add to section 12-4.02C(7)(a):

The traffic control system for maintaining one lane of traffic through the construction site includes all temporary traffic control devices including signage, temporary signal systems, flagging, or other devices used to safely direct the public through the construction site during construction. The temporary traffic control devices must comply with section 12-3.

^^

13 WATER POLLUTION CONTROL

Not Modified

^^

14 ENVIRONMENTAL STEWARDSHIP

Not Modified

^^

15 EXISTING FACILITIES

Not Modified

^^

16 TEMPORARY FACILITIES

Not Modified

^^

DIVISION III EARTHWORK AND LANDSCAPE

17 GENERAL

Not Modified

^^^

18 DUST PALLIATIVES

Not Modified

^^^

19 EARTHWORK

Not Modified

^^^

20 LANDSCAPE

Not Modified

^^^

21 EROSION CONTROL

Not Modified

^^^

22 FINISHING ROADWAY

Not Modified

^^

DIVISION IV SUBBASES AND BASES

23 GENERAL

Not Modified

^^^

24 STABILIZED SOILS

Not Modified

^^^

25 AGGREGATE SUBBASES

Not Modified

^^^

26 AGGREGATE BASES

Not Modified

^^^

27 CEMENT TREATED BASES

Not Modified

^^^

28 CONCRETE BASES

Not Modified

^^

29 TREATED PERMEABLE BASES

Not Modified

^^

30 RECYCLED PAVEMENT

Not Modified

^^

31–35 RESERVED

Not Modified

^^

DIVISION V SURFACINGS AND PAVEMENTS

36 GENERAL

Not Modified

^^

37 SEAL COATS

Not Modified

^^

38 RESERVED

Not Modified

^^

39 ASPHALT CONCRETE

Add to the table in the 1st paragraph of section 39-2.01A(4)(h)(iii)(B):

Coarse durability index[c]	AASHTO T 210	1 per 3,000 tons or 1 per paving day, whichever is greater
Fine durability index	AASHTO T 210	1 per 3,000 tons or 1 per paving day, whichever is greater
Sodium sulfate soundness[d]	AASHTO T 104	1 per project

[c]The test is required only if the aggregate source is in Lassen, Modoc, Siskiyou, or Shasta County.
[d]The test is required only if the aggregate source is in Modoc, Siskiyou, or Shasta County.

Replace section 39-2.01B(2)(b) with:

39-2.01B(2)(b) Hot Mix Asphalt Treatments

Determine the plasticity index of the aggregate blend under California Test 204. Use only the aggregate blend with plasticity index equal to or less than 10.

Treat aggregate with lime slurry with marination.

Replace *0.8–1.5* in the row for *Combined* in the table in the 7th paragraph of section 39-2.01B(4)(c)(i) with:

1.0–1.5

Replace the 2nd sentence in the paragraph of section 39-2.01B(10) with:

Choose from CRS2, CQS1, or PMCRS2 asphaltic emulsion or asphalt binder.

Replace the table in the 3rd paragraph of section 39-2.01C(3)(f) with:

Tack Coat Application Rates for HMA

HMA over:	Minimum residual rates (gal/sq yd)	
	CRS2 and CQS1 asphaltic emulsion	Asphalt binder and PMCRS2 asphaltic emulsion
New HMA (between layers)	0.03	0.02
Concrete pavement and existing asphalt concrete surfacing	0.04	0.03
Planed pavement	0.06	0.04

Replace the 2nd paragraph of section 39-2.02A(1) with:

Produce Type A HMA using a WMA additive technology.

Add to section 39-2.02A(1):

Do not place Type A HMA on the traveled way from November 1 to May 1.

Replace the 2nd paragraph of section 39-2.02A(1) with:

Produce Type A HMA using a WMA additive technology.

Add to the table in the 1st paragraph of section 39-2.02A(4)(b)(ii):

Coarse durability index[e], D_c	AASHTO T 210	1 per 3,000 tons or 1 per paving day, whichever is greater
Fine durability index, D_f	AASHTO T 210	1 per 3,000 tons or 1 per paving day, whichever is greater
Sodium sulfate soundness (max loss @ 5 cycles, %)[f]	AASHTO T 104	1 per project

[e]Perform this test if the aggregate source is in Lassen, Modoc, Siskiyou, or Shasta County.
[f]Perform this test if the aggregate source is in Modoc, Siskiyou, or Shasta County.

Replace *40* in the row for *Los Angeles Rattler* in the table in item 1 in the list in the paragraph of section 39-2.02A(4)(e) with:

25

Add to the table in item 1 in the list in the paragraph of section 39-2.02A(4)(e):

Coarse durability index, D_c (min)[e]	AASHTO T 210	65
Fine durability index, D_f (min)	AASHTO T 210	50
Sodium sulfate soundness (max loss @ 5 cycles, %)[f]	AASHTO T 104	25

[e]Perform this test if the aggregate source is in Lassen, Modoc, Siskiyou, or Shasta County.
[f]Perform this test if the aggregate source is in Modoc, Siskiyou, or Shasta County.

Delete the row for *For RAP substitution equal to or less than 15%* of the RSS for the table in item 3 in the list in the paragraph of section 39-2.02A(4)(e).

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

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

Moisture susceptibility (min, tensile strength ratio)	AASHTO T 283	80

Add to the table in item 3 in the list in the paragraph of section 39-2.02A(4)(e):

Surface abrasion loss (max, g/cm^2)	California Test 360	0.4

Delete the row for *For RAP substitution equal to or less than 15%* of the RSS for the table in the 1st paragraph of section 39-2.02B(2).

Delete the row for *For RAP substitution greater than 15%* of the RSS for the table in the 1st paragraph of section 39-2.02B(2).

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

Moisture susceptibility (min, tensile strength ratio)	AASHTO T 283[c]	80

Add to the table in the 1st paragraph of section 39-2.02B(2):

Surface abrasion loss (max, g/cm^2)	California Test 360	0.4

Replace *Reserved* in section 39-2.02B(3) with:

The grade of asphalt binder for Type A HMA must be PG 64-28.

For Type A HMA using RAP substitution of greater than 15 percent of the aggregate blend, the virgin binder grade must comply with the PG binder grade specified above with 6 degrees C reduction in the upper and lower temperature classification.

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

Replace *40* in the row for *Los Angeles Rattler* in the table in the paragraph of section 39-2.02B(4)(a) with:

25

Add to the table in the paragraph of section 39-2.02B(4)(a):

Coarse durability index, D_c (min)[c]	AASHTO T 210	65
Fine durability index, D_f (min)	AASHTO T 210	50
Sodium sulfate soundness (max loss @ 5 cycles, %)[d]	AASHTO T 104	25

[c]Perform this test if the aggregate source is in Lassen, Modoc, Siskiyou, or Shasta County.
[d]Perform this test if the aggregate source is in Modoc, Siskiyou, or Shasta County.

Add to the beginning of section 39-2.02C:

Use a material transfer vehicle when placing Type A HMA if:

1. Quantity of HMA to be paved is greater than 1,000 tons.
2. Any of the following exists:
   2.1. Paving is allowed and the ambient air temperature is below 70 degrees F.
   2.2. Time from discharge to truck at the HMA plant until transfer to the paver's hopper is 90 minutes or greater.

^^

40 CONCRETE PAVEMENT

Not Modified

^^

41 EXISTING CONCRETE PAVEMENT

Not Modified

^^

42 GROOVE AND GRIND CONCRETE

Not Modified

^^

43–44 RESERVED

Not Modified

^^^

DIVISION VI STRUCTURES

45 GENERAL

Not Modified

^^

46 GROUND ANCHORS AND SOIL NAILS

Not Modified

^^^

47 EARTH RETAINING SYSTEMS

Not Modified

^^^

48 TEMPORARY STRUCTURES

Not Modified

^^^

49 PILING

Not Modified

^^^

50 PRESTRESSING CONCRETE

Not Modified

^^^

51 CONCRETE STRUCTURES

Not Modified

^^^

52 REINFORCEMENT

Not Modified

^^^

53 SHOTCRETE

Not Modified

^^^

54 WATERPROOFING

Not Modified

^^^

55 STEEL STRUCTURES

Not Modified

^^^

56 OVERHEAD SIGN STRUCTURES, STANDARDS, AND POLES

Not Modified

^^^

57 WOOD AND PLASTIC LUMBER STRUCTURES

Not Modified

^^^

58 SOUND WALLS

Not Modified

^^^

59 STRUCTURAL STEEL COATINGS

Not Modified

^^

60 EXISTING STRUCTURES

Not Modified

^^

DIVISION VII DRAINAGE FACILITIES

61 GENERAL

Not Modified

^^

62 STORMWATER TREATMENT

Not Modified

^^

63 RESERVED

Not Modified

^^

64 PLASTIC PIPE

Not Modified

^^

65 CONCRETE PIPE

Not Modified

^^

66 CORRUGATED METAL PIPE

Not Modified

^^

67 STRUCTURAL PLATE CULVERTS

Not Modified

^^

68 SUBSURFACE DRAINS

Not Modified

^^

69 OVERSIDE DRAINS

Not Modified

^^

70 MISCELLANEOUS DRAINAGE FACILITIES

Not Modified

^^

71 EXISTING DRAINAGE FACILITIES

Not Modified

^^

DIVISION VIII MISCELLANEOUS CONSTRUCTION

72 SLOPE PROTECTION

Not Modified

^^^

73 CONCRETE CURBS AND SIDEWALKS

Not Modified

^^^

74 PUMPING EQUIPMENT AND CONTROLS

Not Modified

^^^

75 MISCELLANEOUS METAL

Not Modified

^^^

76 WELLS

Not Modified

^^^

77 LOCAL INFRASTRUCTURE

Not Modified

^^^

78 INCIDENTAL CONSTRUCTION

Not Modified

^^^

79 RESERVED

Not Modified

^^^

80 FENCES

Not Modified

^^

DIVISION IX TRAFFIC CONTROL DEVICES

81 MISCELLANEOUS TRAFFIC CONTROL DEVICES

Not Modified

^^^

82 SIGNS AND MARKERS

Not Modified

^^^

83 RAILINGS AND BARRIERS

Not Modified

^^^

84 MARKINGS

Add to the end of the 1st paragraph of section 84-2.02F:

The paint must be slow-curing epoxy traffic paint.

^^^

85 RESERVED

Not Modified

^^

DIVISION X ELECTRICAL WORK

86 GENERAL

Not Modified

^^^

87 ELECTRICAL SYSTEMS

Not Modified

^^^

88 RESERVED

Not Modified

^^

DIVISION XI MATERIALS

89 AGGREGATE

Not Modified

^^^

90 CONCRETE

Not Modified

^^^

91 PAINT

Not Modified

^^^

92 ASPHALT BINDERS

Not Modified

^^^

93 RESERVED

Not Modified

^^^

94 ASPHALTIC EMULSIONS

Not Modified

^^

95 EPOXY

Not Modified

^^

96 GEOSYNTHETICS

Not Modified

^^

97–98 RESERVED

Not Modified

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DIVISION XII BUILDING CONSTRUCTION

99 BUILDING CONSTRUCTION

Not Modified