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**Caltrans**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

# BID

FOR CONSTRUCTION ON STATE HIGHWAY IN PLUMAS COUNTY IN AND NEAR  
QUINCY FROM 0.1 MILE EAST OF OLD COUNTY ROAD TO 0.1 MILE EAST OF ELM  
STREET

In District 02 On Route 70

Under

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*Notice to Bidders and Special Provisions* dated April 15, 2013

*Standard Specifications* dated 2010

Project plans approved March 5, 2013

*Standard Plans* dated 2010

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Identified by

Contract No. 02-4E9804

02-Plu-70-37.5/46.2

Project ID 0212000115

Federal-Aid Project

ACSTP-P070(127)E

**Electronic Advertising Contract**

Bids open Wednesday, May 15, 2013

Dated April 15, 2013  
AADD



DH

AK

**CONTRACT NO.** 02 -4E9804

**NAME OF BIDDER** VSS International, Inc.

**BUSINESS P.O. BOX** PO Box 981330

**CITY, STATE, ZIP** West Sacramento, CA 95798

**BUSINESS STREET ADDRESS** 3785 Channel Drive

*(Include even if P.O. Box used)*

**CITY, STATE, ZIP** West Sacramento, CA 95691

**TELEPHONE NO:** **AREA CODE** ( 916 ) 373-1500

**FAX NO:** **AREA CODE** ( 916 ) 373-0183

**CONTRACTOR LICENSE NO.** 293727 A, B & C-12

1. Bidder agrees, if this bid is accepted, to enter into a contract with the Department, in the form included in the Standard Specifications, to perform the work provided in the Contract under the terms of the Contract for the price or prices bid.

For a lump sum or unit price based bid, Bidder additionally agrees to perform the work within the number of working days shown on the *Notice to Bidders*.

For a cost plus time based bid on a contract without a plant establishment period, Bidder additionally agrees to perform the work within the number of working days bid.

For a cost plus time based bid on a contract with a plant establishment period, Bidder additionally agrees to perform the non-plant establishment work within the number of working days bid for non-plant establishment work.

2. For a lump sum based bid, Bidder submits this bid with a total price in the total bid space provided on the Bid Item List. For a unit price or cost plus time based bid, Bidder submits this bid with a unit price and the item total (the product of the unit price and the quantity) for each item and a total price (the sum of the item totals) in the spaces provided on the attached Bid Item List. For a unit price with additive item based bid, Bidder submits this bid with a unit price and an item total for each item and a total base bid (the sum of the item totals) and the additive items in the spaces provided on the attached Bid Item List. Additionally, for a cost plus time based bid, Bidder submits this bid with working days bid for non-plant establishment work, total bid for time, and total bid for bid comparison in the spaces provided on the Bid Item List. Bidder agrees:
  - 2.1. If a discrepancy between the unit price and the item total exists, the unit price prevails except:
    - 2.1.1. If the unit price is illegible, omitted, or the same as the item total, item total prevails and the unit price is the quotient of the item total and the quantity.
    - 2.1.2. If a decimal error is apparent in the product of the unit price and the quantity, the Department will use either the unit price or item total based on the closest by percentage to the unit price or item total in the Department's Final Estimate.
  - 2.2. If the unit price and the item total are illegible or are omitted, the bid may be determined nonresponsive. If a lump sum total price is illegible or is omitted, the bid may be determined nonresponsive.
  - 2.3. Bids on lump sum items are item totals. If a unit price for a lump sum item is entered and it differs from the item total, the item total prevails.
  - 2.4. Entries are to be expressed in dollars or decimal fractions of a dollar. Symbols such as commas and dollar signs are ignored and have no significance in establishing unit price or item total.
  - 2.5. Unit prices and item totals are interpreted by the number of digits and decimal placement. Do not round item totals or the total bid.

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION  
**BID TO THE DEPARTMENT OF TRANSPORTATION**  
DES-OE-0102.1 (REV. 3/2011)

- 2.6. For a lump sum based bid, the item total is the bid amount the Department uses for bid comparison.  
For a unit price based bid, the sum of the item totals is the bid amount the Department uses for bid comparison.  
For a cost plus time based bid, the sum of the item totals and the total bid for time is the bid amount the Department uses for bid comparison.
- 2.7. The Department's decision on the bid amount is final.

3. Bidder has and acknowledges the following addenda:

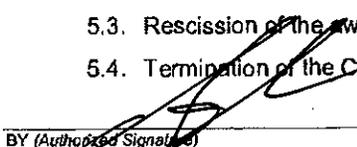
4. Bidder submits this bid with one of the following forms of bidder's security equal to at least 10 percent of the bid:

Cash \$ \_\_\_\_\_, Cashiers Check, Certified Check,  Bidder's Bond

5. Bidder's signature is an affirmation of the included certifications. Bidder is cautioned that making a false certification may result in one or more of the following:

- 5.1. Criminal prosecution
- 5.2. Rejection of the bid
- 5.3. Rescission of the award
- 5.4. Termination of the Contract

BY (Authorized Signature)

  
Alan S. Berger, Vice President

PRINTED NAME AND TITLE OF PERSON SIGNING

DATE SIGNED (Do not type)

5/14/13

**ADA Notice** For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-8410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

**BID ITEM LIST**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070030	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	2600.00
2	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	15400.00
3	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	108750.00
4	128652	PORTABLE CHANGEABLE MESSAGE SIGN (LS)	LS	LUMP SUM	LUMP SUM	<del>10700.00</del> 15,000.00
5	130100	JOB SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	500.00
6	130200	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	LUMP SUM	LUMP SUM	1500.00
7	141103	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	45,300	0.41	18573.00
8	141104	REMOVE YELLOW THERMOPLASTIC PAVEMENT MARKING (HAZARDOUS WASTE)	SQFT	460	2.58	1186.80
9	141120	TREATED WOOD WASTE	LB	18,000	0.52	9360.00
10	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	123,000	0.21	25,830.00
11	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	9,670	1.95	18856.50
12	151572	RECONSTRUCT METAL BEAM GUARD RAILING	LF	1,260	21.00	26460.00
13	152469	ADJUST UTILITY COVER TO GRADE	EA	130	463.00	60190.00
14	152500	ADJUST METAL BEAM GUARD RAILING	LF	130	21.00	2730.00
15	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	16,000	2.06	32960.00
16	378000	MICRO-SURFACING	TON	3,970	160.68	637899.60
17	390010	PREPAVING PROFILOGRAPH	LS	LUMP SUM	LUMP SUM	5700.00
18	390020	PREPAVING GRINDING DAY	EA	1	10300.00	10300.00
19	390095	REPLACE ASPHALT CONCRETE SURFACING	CY	590	308.00	181720.00
20	390132	HOT MIX ASPHALT (TYPE A)	TON	2,380	123.50	293930.00

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	397005	TACK COAT	TON	11	515.00	5665.00
22	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	2	1050.00	2100.00
23	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	11,200	3.35	37520.00
24	840560	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	LF	188,000	0.28	47040.00
25	850122	PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)	EA	6,020	5.65	34013.00
26	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	1900.00
27	861502	MODIFY SIGNAL	LS	LUMP SUM	LUMP SUM	16050.00
28	025589	MODIFY TRAFFIC COUNT STATION	LS	LUMP SUM	LUMP SUM	<del>7500.00</del> 1500.00

TOTAL BID:

\$1,621,234.00

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**SUBCONTRACTOR LIST**  
 DES-DE-0102.2 (REV 3/2011)

Bidder Name: VSS International, Inc.

The bidder must identify each subcontractor performing work in an amount in excess of 1/2 of 1 percent of the total bid or \$10,000, whichever is greater (Pub Cont Code § 4100 et seq.). Complete columns 1 and 4 and submit with the bid. Complete columns 2 and 3 and submit with the bid or fax to (916) 227-6282 within 24 hours after the bid opening. Failure to provide complete information in columns 1 through 4 within the time specified will result in a nonresponsive bid.

Column 1: Business Name and Location	Column 2: Bid Item Nos.	Column 3: Percentage of Bid Item Subcontracted	Column 4: Description of Subcontracted Work
KRC Safety Co, Inc. PO Box 6388 Visalia, CA 93290	2	100%	CAS
	PARTIAL 3	43.1%	PARTIAL TC
	PARTIAL 4	69.3%	PCMS
Chrisp Company 1805 E. Beamer Rd. Woodland, CA 95776	PARTIAL 3	7.7%	STRIPING/REMOVAL
	1, 7, 8, 10, 11, 23, 24, 25	100%	PARTIAL TC
DIRT Aggregate Interchange, Inc. 20905 NE Sandy Blvd. Fairview, OR 97024	9, 12, 14, 22	100%	Treated Wood Waste Reconstruct Guard Rail Adjust Guard Rail END ANCHOR ASSEMBLY Anchor
PAR Electric Contractors Inc 1465 W. 4th St. Reno, NV 89503	26, 27, 28	100%	Maintain Existing Traffic Management System Modify Signal Modify Traffic Count System
Sierra Nevada Construction 2055 E. Greg St Sparks, NV 89431	PARTIAL 3	46.4%	Utilities, Grinding, Paving
	PARTIAL 4	30%	
	13, 15, 17, 18, 19, 20, 21	100%	

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**SUBCONTRACTOR LIST**

DES-OE-0102.2 (REV 3/2011)

Bidder Name: VSS International, Inc.

The bidder must identify each subcontractor performing work in an amount in excess of 1/2 of 1 percent of the total bid or \$10,000, whichever is greater (Pub Cont Code § 4100 et seq.). Complete columns 1 and 4 and submit with the bid. Complete columns 2 and 3 and submit with the bid or fax to (916) 227-6282 within 24 hours after the bid opening. Failure to provide complete information in columns 1 through 4 within the time specified will result in a nonresponsive bid.

Column 1: Business Name and Location	Column 2: Bid Item Nos.	Column 3: Percentage of Bid Item Subcontracted	Column 4: Description of Subcontracted Work
KRC Safety Co, Inc. Po Box 6356 Visalia, CA 93290			CAS Partial TC PCMS-Partial
Chrisp Company 1805 E. Beamer Rd. Woodland, CA 95776			Striping/Removal Partial TC
DIRT Aggregate Interchange, Inc. 20905 NE Sandy Blvd. Fairview, OR 97024			Treated Wood Waste Reconstruct Guard Rail Adjust Guard Rail End Anchor Assembly Anchor
PAR Electric Contractors Inc 1465 W. 4th St. Reno, NV 89503			Maintain Existing Traffic Management System modify signal modify traffic count system
Sierra Nevada Construction 2055 E. Greg St Sparks, NV 89431			Utilities, Grinding, Paving-Partial Partial TC Partial PCMS

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DIT

We VSS International, Inc.

P O Box 981330 West Sacramento CA 95798 as Principal, and  
Western Surety Company

as Surety are bound unto the State of California, Department of Transportation, hereafter referred to as "Obligee", in the penal sum of ten percent (10%) of the total amount of the bid of the Principal submitted to the Obligee for the work described below, for the payment of which sum we bind ourselves, jointly and severally.

**THE CONDITION OF THIS OBLIGATION IS SUCH, THAT:**

WHEREAS, the Principal is submitting a bid to the Obligee, for For Construction on State Highway in Plumas County in and  
(Copy here the exact description of work, including location, as it appears on the proposal)  
near Quincy from 0.1 mile east of Old County Road to 0.1 mile east of Elm Street  
for which bids are to be opened at Sacramento, CA

(insert place where bids will be opened)

on May 17, 2013

(insert date of bid opening)

NOW, THEREFORE, if the Principal is awarded the contract and, within the time and manner required under the specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the bid, and files two bonds with the Obligee, one to guarantee faithful performance (if specified in the contract) of the contract and the other to guarantee payment for labor and materials as provided by law, then this obligation shall be null and void; otherwise, it shall remain in full force.

In the event a suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court.

Dated: April 25, 2013.

VSS International, Inc.

By: [Signature]  
Principal

Alan S. Berger  
Vice President

Correspondence or claims relating to this bond should be sent to the surety at the following address: Western Surety Company

P. O. Box 5077

Sioux Falls SD 57117-5077

Western Surety Company

By: [Signature]  
Surety  
Thomas R. Hucik Attorney-in-Fact

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Sacramento

On this April 25, 2013 before me, Rosalie A. Miszkiel, Notary Public

Date

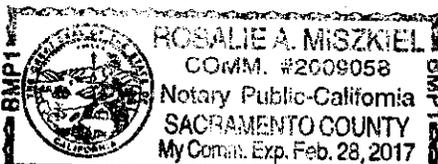
Here Insert Name and Title of the Officer

personally appeared Thomas R. Hucik

Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

Signature

[Signature]  
Signature of Notary Public  
Rosalie A. Miszkiel

ADA Notice

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## ACKNOWLEDGMENT

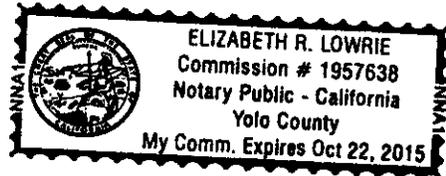
State of California  
County of Yolo

On May 2, 2013 before me, Elizabeth R. Lowrie, Notary Public  
(insert name and title of the officer)

personally appeared Alan S. Berger,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the  
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.



Signature Elizabeth R. Lowrie (Seal)

# Western Surety Company

## POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

**David Weise, Thomas R Hucik, Rosalie A Miszkiel, P A Gouker, Nicki Moon, Individually**

of Rancho Cordova, CA, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

**- In Unlimited Amounts -**

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 19th day of October, 2012.



WESTERN SURETY COMPANY

*Paul T. Bruffat*

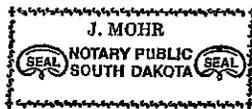
Paul T. Bruffat, Vice President

State of South Dakota }  
County of Minnehaha } ss

On this 19th day of October, 2012, before me personally came Paul T. Bruffat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2015



*J. Mohr*

J. Mohr, Notary Public

### CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 25th day of April, 2013.



WESTERN SURETY COMPANY

*L. Nelson*

L. Nelson, Assistant Secretary

**OPT OUT OF PAYMENT ADJUSTMENTS FOR PRICE INDEX FLUCTUATIONS**

DES-OE-0102.12A (REV. 8/2012)

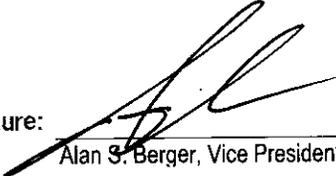
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To opt out of payment adjustments for price index fluctuations as specified, complete this form.

Bidder's Name: VSS International, Inc. Contract No. 02 - 4E9804

**I opt out of the payment adjustments for price index fluctuations.**

Date: 5/14/13

Signature:   
Alan S. Berger, Vice President

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**SMALL BUSINESS STATUS**

DES-OE-0102.4 (REV 3/2008)

**CONTRACT NO. 02 - 4E9804**

Are you certified as a "Small Business" by the Office of Small Business and DVBE Services of the Department of General Services of the State of California? Check one:

Yes: Certification number? \_\_\_\_\_  No

Note: This small business questionnaire is included for statistical reporting only.

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**CERTIFICATIONS**

**FEDERAL-AID PROJECTS DISCLOSURE OF LOBBYING ACTIVITIES CERTIFICATION**

Bidder certifies, to the best of his or her knowledge and belief:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying Activities," in conformance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 USC § 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Bidder also agrees by submitting a bid that it must require the language of this certification be included in subcontracts over \$100,000 and these subcontractors shall certify and disclose.

**INSTRUCTIONS FOR COMPLETION OF SF-LLL,  
DISCLOSURE OF LOBBYING ACTIVITIES**

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence, the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.  
(b) Enter the full names of the individual(s) performing services and include full address if different from 10(a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.

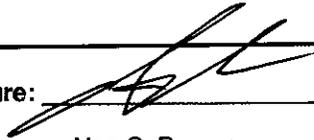
N/A

DISCLOSURE OF LOBBYING ACTIVITIES

Approved by OMB

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

0348-0046

<b>1. Type of Federal Action:</b> <input type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	<b>2. Status of Federal Action:</b> <input type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	<b>3. Report Type:</b> <input type="checkbox"/> a. Initial <input type="checkbox"/> b. material change <b>For Material Change Only:</b> year _____ quarter _____ date of last report _____
<b>4. Name and Address of Reporting Entity:</b> <input type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, <i>if known</i> Congressional District, <i>if known</i> :	<b>5. If Reporting Entity in No. 4 is Subawardee Enter Name and Address of Prime:</b>  Congressional District, <i>if known</i> :	
<b>6. Federal Department/Agency:</b>	<b>7. Federal Program Name/Description:</b>  CFDA Number, if applicable _____	
<b>8. Federal Action Number, if known:</b>	<b>9. Award Amount, if known:</b> \$	
<b>10 a. Name and Address of Lobby Registrant</b> <i>(If individual, last name, first name, MI):</i>	<b>b. Individuals Performing Services (including address if different from No. 10a)</b> <i>(last name, first name, MI):</i>	
<b>11. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b>	<b>Signature:</b>  <b>Print Name:</b> Alan S. Berger <b>Title:</b> Vice President <b>Telephone No.:</b> 916 373-1500 <b>Date:</b> 5/14/13	
<b>Federal Use Only:</b>		<b>Authorized for Local Reproduction Standard Form - LLL (Rev. 7-97)</b>

### EQUAL EMPLOYMENT OPPORTUNITY REGULATION CERTIFICATION

Bidder X, proposed subcontractor \_\_\_\_\_, certifies that he  has  has not participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, if required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the filing requirements.

Notes:

- The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)
- Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.
- Prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless the Contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

### TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29, DEBARMENT AND SUSPENSION CERTIFICATION

Bidder, under penalty of perjury, certifies that, except as noted below, it or any other person associated therewith in the capacity of owner, partner, director, officer, manager:

- is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgement rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

### UNDOCUMENTED ALIENS EMPLOYMENT

Under Pub Cont Code § 6101, the Bidder certifies compliance with state and federal law respecting the employment of undocumented aliens.

### NONCOLLUSION

#### NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

Under PCC 7106 and 23 USC 112, the bidder declares as follows:

State of California County of Yolo

Alan S. Berger, being first duly sworn, deposes and says that he or she is

Vice President of VSS International, Inc. the party

making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

### CHILD SUPPORT COMPLIANCE ACT

Under Pub Cont Code § 7110, the contractor acknowledges that:

1. The contractor recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Chapter 8 (commencing with section 5200) of Part 5 of Division 9 of the Family Code; and
2. The contractor to the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the Employment Development Department.

### NATIONAL LABOR RELATIONS BOARD

Under Pub Cont Code § 10232, the contractor, swears under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the contractor within the immediately preceding two year period because of the contractor's failure to comply with an order of a federal court which orders the contractor to comply with an order of the National Labor Relations Board.

### VIOLATION OF LAW OR A SAFETY REGULATION

Under Pub Cont Code § 10162, the Bidder must complete, under penalty of perjury, the following questionnaire:

Has the Bidder, any officer of the Bidder, or any employee of the Bidder who has a proprietary interest in the Bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes

No

If the answer is yes, explain the circumstances in the following space.

### ANTITRUST LAW

Under Pub Con Code § 10285.1, the Bidder declares under penalty of perjury under the laws of the State of California that the Bidder  has  has not been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Pub Cont Code § 1101, with any public entity, as defined in Pub Cont Code § 1100, including the Regents of the University of California or the Trustees of the California State University. The term "Bidder" includes any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

If the Bidder has been convicted of an offense within the past 3 years, provide the conviction details including the date and ultimate resolution of each conviction in the space below.

### PERMITS, LICENSES, AGREEMENTS, CERTIFICATIONS, AND RAILROAD RELATIONS AND INSURANCE REQUIREMENTS

Bidder acknowledges that permits, licenses, agreements, certifications, and the requirements in the document titled "Railroad Relations and Insurance Requirements" are components of the Contract under section 5-1.02 of the *Standard Specifications*.

### BIDDER RESPONSIBILITY QUESTIONNAIRE

Failure to truthfully answer the following questions will result in a finding that the bid is nonresponsive. The Bidder must complete, under penalty of perjury, the following questionnaire:

1. Within the past 10 years, has the Bidder been found to be a nonresponsive bidder by any public entity, including federal, State, local, or regional entities?  
 Yes  No
2. Within the past 10 years, have any of the Bidder's officers or employees with a proprietary interest in the Bidder been determined to be a nonresponsive bidder by a public entity, including federal, State, local or regional entities?  
 Yes  No
3. Is there any officer or employee of the Bidder who now has or has had any proprietary interest in another company that bid or bids on public works projects whose company has been determined to be a nonresponsive bidder by any public entity, including federal, State, local, or regional entities?  
 Yes  No
4. If the answer to any of the 3 preceding questions is yes, disclose all pertinent details of the determination of nonresponsibility, including:
  - 4.1. Date of each nonresponsibility determination
  - 4.2. Name of each public agency issuing the nonresponsibility determination and a contact person at that agency who would have information about the determination
  - 4.3. Contract number for each nonresponsibility determination

### END CERTIFICATIONS

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

1727 30<sup>th</sup> Street MS-43

P.O. BOX 168041

SACRAMENTO, CA 95816-8041

FAX (916) 227-6214

TTY 711



*Flex your power!  
Be energy efficient!*

May 2, 2013

02-Plu-70-37.5/46.2

02-4E9804

Project ID 0212000115

ACSTP-P070(127)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN PLUMAS COUNTY IN AND NEAR QUINCY FROM 0.1 MILE EAST OF OLD COUNTY ROAD TO 0.1 MILE EAST OF ELM STREET.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Wednesday, May 15, 2013.

This addendum is being issued to revise *Notice to Bidders and Special Provisions*.

In the Special Provisions, Section 39, "Hot Mix Asphalt," is replaced as attached.

To *Bid* book holders:

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the *Notice to Bidders* section of the *Notice to Bidders and Special Provisions*.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the *Bid* book.

Submit bids in the *Bid* book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

Addendum No. 1  
Page 2  
May 2, 2013

02-Plu-70-37.5/46.2  
02-4E9804  
Project ID 0212000115  
ACSTP-P070(127)E

This addendum and attachments are available for the Contractors' download on the Web site:

**[http://www.dot.ca.gov/hq/esc/oe/project\\_ads\\_addenda/02/02-4E9804](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/02/02-4E9804)**

If you are not a *Bid* book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,



JOHN BULINSKI  
District Director

Attachments

## 39 HOT MIX ASPHALT

### Add to section 39-1.01:

Produce and place HMA Type A under the Standard construction process.

### Add to section 39-1.01A:

For HMA Type A, B, and HMA with warm mix asphalt technology do not pave on the traveled way between November 1 and May 1 if:

1. The quantity of HMA is greater than 1000 tons or
2. The project elevation is greater than 1500 feet

For HMA-O, RHMA-G, RHMA-O, or RHMA-O-HB do not pave on the traveled way between September 15 and May 1.

### Replace the 1st paragraph of section 39-1.02B with:

Tack coat must comply with the specifications for asphaltic emulsion or asphalts. Use CRS2, CQS1, asphalt binder, or PMCRS2 asphaltic emulsion.

### Add to section 39-1.02C:

Asphalt binder used in HMA Type A must be PG 64-28 M.

### Add to section 39-1.02E:

Aggregate used in HMA Type A must comply with the 1/2-inch HMA Types A and B gradation.

If aggregate source is from Modoc, Siskiyou, or Shasta County, submit aggregate samples to the Engineer at least 30 days before the aggregate's intended use.

Treat HMA aggregate with lime using the slurry method.

### Add to the 4th table of section 39-1.02E:

**Aggregate Quality**

Quality characteristic	Test method	HMA type			
		A	B	RHMA-G	OGFC
Sodium sulfate soundness (% max loss) <sup>c</sup>	California Test 214	25	25	25	25
Coarse durability index (min) <sup>d</sup>	California Test 229	65	65	65	65
Fine durability index (min)	California Test 229	50	50	50	50
Plasticity Index	California Test 204	<10	<10	<10	--

<sup>c</sup> Requirement applies only if aggregate source is from Modoc, Siskiyou, or Shasta County.

<sup>d</sup> Requirement applies only if aggregate source is from Lassen, Modoc, Siskiyou or Shasta County.

Replace the 2nd row of the 4th table of section 39-1.02E with:

<b>Aggregate Quality</b>					
Quality characteristic	Test method	HMA type			
		A	B	RHMA-G	OGFC
Los Angeles Rattler (% max.)	California				
Loss at 100 rev.	Test 211	12	--	12	12
Loss at 500 rev.		25	25	25	25

Replace the 3rd paragraph of section 39-1.03A with:

Laboratories testing aggregate qualities, RAP, and preparing the mix design and JMF must be qualified under the Department's Independent Assurance Program. Take samples under California Test 125.

When doing your mix design take three 80 lb RAP samples from stockpiles under California Test 125. Split each sample into 2 parts:

1. Each part must weigh at least 40 lb.
2. Submit 1 part to the Engineer with the JMF.
3. Use 1 part for your testing.

Add to the 1st table of the RSS for section 39-1.03B:

<b>HMA Mix Design Requirements</b>				
Quality characteristic	Test method	HMA type		
		A	B	RHMA-G
Optimum Bitumen Content (OBC)	California Test 367	--	--	7.0% min
Moisture susceptibility (minimum dry strength, psi)	California Test 371	100	100	100
Moisture susceptibility (tensile strength ratio, %) <sup>b</sup>	California Test 371	≥80	≥80	≥80

<sup>b</sup> After lime treatment.

<sup>c</sup> Determine the following using AASHTO T84: bulk specific gravity (SSD) of fine aggregate, bulk specific gravity (oven dry) of fine aggregate,  $G_r$ , and absorption of fine aggregate.

Replace the 1st and 2nd rows of the 1st table of the RSS for section 39-1.03B with:

**HMA Mix Design Requirements**

Quality characteristic	Test method	HMA type		
		A	B	RHMA-G
Air void content (%)	California Test 367	4.0	4.0	3.5
Voids in mineral aggregate (% min.)	California Test 367 <sup>c</sup>	17.0	17.0	--
No. 4 grading		15.0	15.0	--
3/8" grading		14.0	14.0	18.0-23.0
1/2" grading		13.0	13.0	18.0-23.0

Replace the 2nd table in the RSS for section 39-1.03B with:

**Additional HMA Mix Design Requirements  
for RAP Substitution Rate Greater Than 15 Percent**

Quality characteristic	Test method	HMA type		
		A	B	RHMA-G
Hamburg wheel track (minimum number of passes at 0.5 inch average rut depth)	AASHTO T 324 (Modified)	10,000	10,000	--
PG-58		15,000	15,000	--
PG-64		20,000	20,000	--
PG-70		25,000	25,000	--
Hamburg wheel track (inflection point minimum number of passes)	AASHTO T 324 (Modified)	10,000	10,000	--
PG-58		10,000	10,000	--
PG-64		12,500	12,500	--
PG-70		15,000	15,000	--

**Add to section 39-1.03B:**

If the project is greater than 1500 feet elevation, perform a mix design that produces the quality characteristic shown in the table when mixed with the asphalt used on the project in the amount determined to be optimum by California Test 367:

Quality Characteristic	Test	Requirement
Surface abrasion	California Test 360	Loss not to exceed 0.4 g/cm <sup>2</sup>

**Replace the 4th and 5th paragraphs of section 39-1.03C with:**

For HMA Type A, B or RHMA-G submit test results with the JMF submittal for:

1. California Test 204 plasticity index
2. California Test 371 for treated and untreated HMA for:
  - 2.1. Tensile strength ratio
  - 2.2. Minimum dry strength
3. AASHTO T 324 (Modified), for RAP substitution greater than 15 percent

**Replace the 6th paragraph of section 39-1.03C with:**

For HMA Type A, B or RHMA-G submit the California Test 371 tensile strength ratio, California Test 371 minimum dry strength, and AASHTO T 324 (Modified) test results to:

1. The Engineer
2. Moisture\_Tests@dot.ca.gov

**Delete the last two paragraphs of the RSS for Section 39-1.03C.**

**Delete the last paragraph of section 39-1.03E.**

**Delete "If required," from the 5th item in the 2nd paragraph of the RSS for section 39-1.03G.**

**Replace the 3rd paragraph of the RSS for section 39-1.03G with:**

With an accepted modified JMF submittal, the Engineer verifies each modified JMF within 10 business days of receiving all verification samples.

**Replace the 4th paragraph of the RSS for section 39-1.03G with:**

The Engineer verifies the modified JMF after the modified JMF HMA is placed on the project and verification samples are taken within the first 750 tons following sampling requirements in section 39-1.03E, "Job Mix Formula Verification." The Engineer tests verification samples for compliance with:

1. Stability as shown in the table titled "HMA Mix Design Requirements"
2. Air void content at
  - 2.1. Design value  $\pm 2.0$  percent for HMA Type A and Type B
  - 2.2. Design value  $\pm 1.5$  percent for RHMA-G
3. Voids in mineral aggregate as shown in the table titled "HMA Mix Design Requirements"
4. Voids filled with asphalt, report only
5. Dust proportion, report only
6. Optimum Bitumen Content
7. Tensile Strength Ratio
8. Minimum Dry Strength
9. Hamburg Wheel Track for RAP substitution greater than 15 percent, as shown in the table titled "Additional HMA Mix Design Requirements for RAP Substitution Rate Greater Than 15 Percent"

**Replace the last paragraph of the RSS for section 39-1.03G with:**

The Engineer deducts \$4,000 from payments for each modified JMF verification.

**Add to section 39-1.08A:**

On the first production day and once during production of the first 5,000 tons, submit:

1. Samples split from your HMA production sample for California Test 371 to:
  - 1.1 The Engineer
  - 1.2 The Transportation Laboratory, Attention: Moisture Test.
2. The California Test 371 results to:
  - 2.1 The Engineer
  - 2.2 Moisture\_Tests@dot.ca.gov

After the 1st production day and production of the first 5,000 tons, submit the California Test 371 results for each 5,000 tons to:

1. The Engineer
2. Moisture\_Tests@dot.ca.gov

**Add to section 39-1.11A of the RSS for section 39-1.11:**

Place RHMA-G only when the atmospheric temperature is 70 degrees F or greater.

Use a material transfer vehicle (MTV) if:

1. The project quantity of hot mix asphalt to be paved is greater than 1000 tons, and
2. Any of the following exists:
  - 2.1. Paving is allowed and the atmospheric 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.

The MTV must:

1. Either receive HMA directly from the truck or use a pickup head to load it from a windrow than can be deposited on the roadway surface for a maximum of 100 feet in length.
2. Remix the HMA, with augers, before loading the paver.
3. Transfer HMA directly into the paver's receiving hopper or feed system.
4. Have sufficient capacity to prevent stopping the paver.

The MTV requirements will not apply to replace asphalt concrete surfacing under section 39-1.21.

Remove pavement markers prior to applying tack coat or placing HMA.

If there is no bid item for remove pavement markers, removing pavement markers is included in HMA (Type A).

**Replace the 2nd, 3rd, and 4th paragraphs of section 39-1.11B(1) of the RSS for section 39-1.11 with:**

Place HMA on adjacent traveled way lanes so that at the end of each work shift the distance between the ends of HMA layers on adjacent lanes is from 5 to 10 feet. Place additional HMA along the transverse edge at each lane's end and along the exposed longitudinal edges between adjacent lanes. Hand rake and compact the additional HMA to form temporary conforms. You may place Kraft paper or another authorized bond breaker under the conform tapers to facilitate the taper removal when paving operations resume.

**Delete section 39-1.11B(2) of the RSS for section 39-1.11.**

**Replace the headings and paragraphs in section 39-1.12 with:**

**Replace section 39-1.12E of the RSS for section 39-1.12 with:**

**39-1.12E Prepaving Must-Grinds**

Section 39-1.12E applies to existing asphalt concrete areas receiving an HMA overlay of less than 0.25 foot.

Prepaving profilograph includes taking profiles of the existing pavement, determining must-grinds, and submitting profilograms.

Prepaving grinding day includes correcting must-grinds and taking profiles of the corrected areas and submitting profilograms.

Before starting paving operations, determine must-grinds on the existing pavement under California Test 526. Take 2 profiles within each traffic lane, 3 feet from and parallel with the edge of each lane. Profile the pavement in the Engineer's presence.

Submit profilograms and locations of must-grinds.

Notify the Engineer of those must-grinds that cannot be corrected by prepaving grinding. The Engineer responds to your notification within 5 business days.

For those must-grinds that cannot be corrected by grinding, the Engineer may order you to either (1) not correct the must-grinds or (2) correct must-grinds by a different method and take profiles of the corrected areas with a profilograph.

Corrective work not performed by prepaving grinding, including taking profiles of the corrected areas and associated traffic control, is change order work.

Correct prepaving must-grinds that you predict will cause the top layer of HMA to be noncompliant with the smoothness specifications. After correcting prepaving must-grinds, take profiles of the corrected area and submit profilograms.

Dispose of grinding residue.

Pave within 7 days of correcting areas.

The HMA pavement top layer must comply with section 39-1.12. The 2nd paragraph of section 39-1.12A and the 3rd paragraph of section 39-1.12C do not apply regardless of the type of HMA used.

If ordered not to correct prepaving must-grinds, the smoothness specifications do not apply to the top layer of HMA placed in those areas.

Smoothness correction of the top layer of HMA must leave at least 75 percent of the specified HMA thickness. If ordered, core the pavement at the locations determined by the Engineer. Coring, including traffic control, is change order work. Remove and replace deficient pavement areas where the overlay thickness is less than 75 percent of the thickness specified as determined by the Engineer.

#### **39-1.12F Smoothness Correction**

If the final surface of the pavement does not comply with section 39-1.12D, grind the pavement to within specified tolerances, remove and replace it, or place an overlay of HMA. Do not start corrective work until your method is authorized.

Smoothness correction of the final pavement surface must leave at least 75 percent of the specified HMA thickness. If ordered, core the pavement at the locations determined by the Engineer. Coring, including traffic control, is change order work. Remove and replace deficient pavement areas where the overlay thickness is less than 75 percent of the thickness specified as determined by the Engineer.

If you choose to correct OGFC, the Engineer determines if the corrective method causes raveling. OGFC that is raveling must be removed and replaced.

Corrected HMA pavement areas must be uniform rectangles with edges:

1. Parallel to the nearest HMA pavement edge or lane line
2. Perpendicular to the pavement centerline

On ground areas not to be overlaid with OGFC, apply fog seal coat under section 37-2.

Where corrections are made within areas requiring testing with IP, reprofile the entire lane length with the IP device.

Where corrections are made within areas requiring testing with a 12-foot straightedge, retest the corrected area with the straightedge.

#### **39-1.12H Prepaving Grinding**

Section 39-1.12H applies to existing asphalt concrete areas receiving an HMA overlay of less than or equal to 0.20 foot.

Correct areas of localized roughness greater than 140 in/mi.

Prepaving grinding day includes correcting areas of localized roughness, taking profiles of the corrected areas, and submitting profile data as specified in section 39-1.12B.

Notify the Engineer of those areas of localized roughness that cannot be corrected by prepaving grinding. The Engineer responds to your notification within 5 business days.

For those areas of localized roughness that cannot be corrected by grinding, the Engineer may order you to either (1) not correct the areas of localized roughness or (2) correct areas of localized roughness by a different method and take profiles of the corrected areas with an IP.

Corrective work not performed by prepaving grinding, including taking profiles of the corrected areas and associated traffic control, is change order work.

Correct prepaving areas of localized roughness that you predict will cause the final surface of HMA pavement to be noncompliant with the smoothness specifications. After correcting prepaving areas of localized roughness, take profiles of the corrected area and submit profile data as specified in section 39-1.12B.

Dispose of grinding residue.

Pave within 7 days of correcting areas.

The final pavement surface must comply with section 39-1.12D.

If ordered not to correct areas of localized roughness, the smoothness specifications do not apply to the final pavement surface placed in those areas.

**Replace section 39-1.19 with:**

**39-1.19 HOT MIX ASPHALT AGGREGATE LIME TREATMENT—SLURRY METHOD**

**39-1.19A General**

**39-1.19A(1) Summary**

Treat HMA aggregate with lime using the slurry method and place it in stockpiles to marinate.

**39-1.19A(2) Submittals**

Determine the exact lime proportions for treated aggregate stockpiles and resulting combined aggregate. Submit them as part of the proposed JMF.

Submit the averaged aggregate quality test results to the Engineer within 24 hours of sampling.

Submit a treatment data log from the slurry proportioning device in the following order:

1. Treatment date
2. Time of day the data is captured
3. Aggregate size being treated
4. Wet aggregate flow rate collected directly from the aggregate weigh belt
5. Moisture content of the aggregate just before treatment, expressed as a percent of the dry aggregate weight
6. Dry aggregate flow rate calculated from the wet aggregate flow rate
7. Lime slurry flow rate measured by the slurry meter
8. Dry lime flow rate calculated from the slurry meter output
9. Authorized lime ratio for each aggregate size being treated
10. Actual lime ratio calculated from the aggregate weigh belt and the slurry meter output, expressed as a percent of the dry aggregate weight
11. Calculated difference between the authorized lime ratio and the actual lime ratio
12. Dry lime and water proportions at the slurry treatment time

Every day during lime treatment, submit the treatment data log on electronic media in tab delimited format on a removable CD-ROM storage disk. Each continuous treatment data set must be a separate record using a line feed carriage return to present the specified data on 1 line. The reported data must include data titles at least once per report.

**39-1.19A(3) Quality Control and Assurance**

The QC plan must include aggregate quality control sampling and testing during aggregate lime treatment. Sample and test in compliance with frequencies in the following table:

Quality characteristic	Test method	Minimum sampling and testing frequency
Sand equivalent	California Test 217	Once per 1,000 tons of aggregate treated with lime
Course durability index (D <sub>c</sub> ) (min) <sup>e</sup>	California Test 229	1 per 3,000 tons of aggregate treated with lime
Fine durability index (D <sub>f</sub> ) (min)	California Test 229	
Percent of crushed particles	California Test 205	As necessary and as designated in the QC plan
Los Angeles Rattler	California Test 211	
Fine aggregate angularity	California Test 234	
Flat and elongated particles	California Test 235	

Note: During lime treatment, sample coarse and fine aggregate from individual stockpiles. Combine aggregate in the JMF proportions. Run tests for aggregate quality in triplicate and report test results as the average of 3 tests.

<sup>e</sup>Requirement applies only if aggregate source is from Lassen, Modoc, Siskiyou or Shasta County.

For any of the following, the Engineer orders proportioning operations stopped if you:

1. Do not submit the treatment data log
2. Do not submit the aggregate quality control data
3. Submit incomplete, untimely, or incorrectly formatted data
4. Do not take corrective actions
5. Take late or unsuccessful corrective actions
6. Do not stop treatment when proportioning tolerances are exceeded
7. Use malfunctioning or failed proportioning devices

If you stop treatment, notify the Engineer of any corrective actions taken and conduct a successful 20-minute test run before resuming treatment.

For the aggregate to be treated, determine the moisture content at least once during each 2 hours of treatment. Calculate moisture content under California Test 226 or 370 and report it as a percent of dry aggregate weight. Use the moisture content calculations as a set point for the proportioning process controller.

**39-1.19B Materials**

High-calcium hydrated lime and water must comply with section 24-2.02.

Before virgin aggregate is treated, it must comply with the aggregate quality specifications. Do not test treated aggregate for quality control except for gradation. The Engineer does not test treated aggregate for acceptance except for gradation.

The Engineer determines the combined aggregate gradation during HMA production after you have treated the aggregate. If RAP is used, the Engineer determines combined aggregate gradations containing RAP under Laboratory Procedure LP-9.

Treated aggregate must not have lime balls or clods.

### 39-1.19C Construction

#### 39-1.19C(1) General

Notify the Engineer at least 24 hours before the start of aggregate treatment.

Treat aggregate separate from HMA production.

Do not treat RAP.

Add lime to the aggregate as slurry consisting of mixed dry lime and water at a ratio of 1 part lime to from 2 to 3 parts water by weight. The slurry must completely coat the aggregate.

Lime treat and marinate coarse and fine aggregate stockpiles separately.

Immediately before mixing lime slurry with the aggregate, water must not visibly separate from the aggregate.

Treat the aggregate and stockpile for marination only once.

The lime ratio is the pounds of dry hydrated lime per 100 lb of dry virgin aggregate expressed as a percentage. Water content of slurry or untreated aggregate must not affect the lime ratio.

The following aggregate gradations must have the lime ratio ranges shown in the following table:

Aggregate gradation	Lime ratio percent
Coarse virgin stockpiles <sup>a</sup>	0.4–1.0
Fine virgin stockpiles <sup>a</sup>	1.5–2.0
Combined virgin aggregate	1.0–1.5

<sup>a</sup> Stockpiles containing predominately coarse aggregate are coarse aggregate stockpiles. Stockpiles containing predominately fine aggregate are fine aggregate stockpiles.

For OGFC, you may reduce the combined virgin aggregate lime ratio to 0.5–1.0 percent.

The lime ratio for fine and coarse virgin aggregate stockpiles must be within  $\pm 0.2$  percent of the lime ratio in the accepted JMF. The lime ratio must be within  $\pm 0.2$  percent of the authorized lime ratio when you combine the individual aggregate sizes in the JMF proportions. The lime ratio must be determined before the addition of RAP.

If 3 consecutive sets of recorded treatment data indicate deviation more than 0.2 percent above or below the lime ratio in the accepted JMF, stop treatment.

If a set of recorded treatment data indicates a deviation of more than 0.4 percent above or below the lime ratio in the accepted JMF, stop treatment and do not use the material represented by that set of data in HMA.

If 20 percent or more of the total daily treatment indicates deviation of more than 0.2 percent above or below the lime ratio in the accepted JMF, stop treatment and do not use the day's total treatment in HMA.

If you stop treatment for noncompliance, you must implement corrective action and successfully treat aggregate for a 20-minute period. Notify the Engineer before beginning the 20-minute treatment period.

#### **39-1.19C(2) Lime Slurry Proportioning**

Proportion lime and water with a continuous or batch operation.

The device controlling slurry proportioning must produce a treatment data log. The log consists of a series of data sets captured at 10-minute intervals throughout daily treatment. The data must be a treatment activity register and not a summation. The material represented by the data set is the quantity produced 5 minutes before and 5 minutes after the capture time. For the Contract's duration, collected data must be stored by the controller.

#### **39-1.19C(3) Proportioning and Mixing Lime Slurry Treated Aggregate**

Treat HMA aggregate by proportioning lime slurry and aggregate by weight in a continuous operation.

Marinate treated aggregate in stockpiles from 24 hours to 60 days before using in HMA. Do not use aggregate marinated longer than 60 days.

#### **39-1.19D Payment**

Payment for treating aggregates with lime slurry is included in payment for the HMA involved.

**Replace section 39-1.21 with:**

#### **39-1.21 REPLACE ASPHALT CONCRETE SURFACING**

##### **39-1.21A General**

Remove existing asphalt concrete surfacing and underlying base and replace with HMA. The Engineer determines the exact limits of replaced asphalt concrete surfacing.

##### **39-1.21B Materials**

HMA for replace asphalt concrete surfacing must be Type A.

Asphalt binder for the HMA must be PG 64-28 M.

The aggregate for the HMA must comply with the 3/4-inch grading.

##### **39-1.21C Construction**

Place replacement HMA under section 39-3.

Replace asphalt concrete in a lane before the lane is specified to be opened to traffic under section 12-4.

Before removing asphalt concrete, outline the replacement area and cut neat lines with a saw or grind to full depth of the existing asphalt concrete. Do not damage asphalt concrete and base remaining in place.

Dispose of removed material.

If the base is excavated beyond the specified plane, replace it with HMA. The Department does not pay for this HMA.

##### **39-1.21D Payment**

Replace asphalt concrete surfacing is measured based on the specified dimensions and any adjustments ordered.

You may request authorization to leave rejected replacement HMA in place. If authorized, you must accept a reduction in the payment for the rejected replacement HMA.

Add to the first table of the RSS for section 39-2.02B:

**Minimum Quality Control—Standard Construction Process**

Quality characteristic	Test method	Minimum sampling and testing frequency	HMA type			
			A	B	RHMA-G	OGFC
Coarse durability index (min) <sup>k,m</sup>	California Test 229	1 per 3,000 tons during production, but not less than 1 per paving day	65	65	65	65
Fine durability index (min) <sup>k</sup>	California Test 229		50	50	50	50

<sup>k</sup> Obtain sample from stockpile before lime treatment.

<sup>l</sup> Determine the following using AASHTO T84: bulk specific gravity (SSD) of fine aggregate, bulk specific gravity (oven dry) of fine aggregate,  $G_r$ , and absorption of fine aggregate.

<sup>m</sup> Requirement applies only if aggregate source is from Lassen, Modoc, Siskiyou or Shasta County.

Replace the 7th, 10th, 14th, 18th and 19th rows of the first table of the RSS for section 39-2.02B with:

**Minimum Quality Control—Standard Construction Process**

Quality characteristic	Test method	Minimum sampling and testing frequency	HMA type			
			A	B	RHMA-G	OGFC
Air void content (%) <sup>c,f</sup>	California Test 367	1 per 4,000 tons or 2 per 5 business days, whichever is greater	4 ± 2	4 ± 2	3.5 ± 1.5	--
Los Angeles Rattler (% max) <sup>k</sup> Loss at 100 rev. Loss at 500 rev.	California Test 211	1 per 3,000 tons during production, but not less than 1 per paving day	12 25	-- 25	12 25	12 25
Voids in mineral aggregate(% min) <sup>i</sup> No. 4 grading 3/8" grading 1/2" grading 3/4" grading	California Test 367 <sup>l</sup>		17.0 15.0 14.0 13.0	17.0 15.0 14.0 13.0	-- -- 18.0–23.0 18.0–23.0	-- --
Moisture susceptibility (minimum dry strength, psi)	California Test 371	1 per 10,000 tons or 1 per project whichever is greater	100	100	100	--
Moisture susceptibility (tensile strength ratio, %)	California Test 371	1 per 10,000 tons or 1 per project whichever is greater	80	80	80	--

CONTRACT NO. 02-4E9804

REPLACED PER ADDENDUM NO. 1 DATED MAY 2, 2013

Add to the first table of the RSS for section 39-2.03A:

**HMA Acceptance—Standard Construction Process**

Quality characteristic	Test method	HMA type			
		A	B	RHMA-G	OGFC
Coarse durability index (min) <sup>k, m</sup>	California Test 229	65	65	65	65
Fine durability index (min) <sup>k</sup>	California Test 229	50	50	50	50

<sup>k</sup> Obtain sample from stockpile before lime treatment.

<sup>l</sup> Determine the following using AASHTO T84: bulk specific gravity (SSD) of fine aggregate, bulk specific gravity (oven dry) of fine aggregate, G<sub>r</sub>, and absorption of fine aggregate.

<sup>m</sup> Requirement applies only if aggregate source is from Lassen, Modoc, Siskiyou or Shasta County.

Replace the 7th, 9th, 13th, 17th and 18th rows of the first table of the RSS for section 39-2.03A with:

**HMA Acceptance—Standard Construction Process**

Quality characteristic	Test method	HMA type			
		A	B	RHMA-G	OGFC
Air void content (%) <sup>d, g</sup>	California Test 367	4 ± 2	4 ± 2	3.5 ± 1.5	--
Los Angeles Rattler (% max) <sup>k</sup>	California Test 211				
Loss at 100 rev.		12	--	12	12
Loss at 500 rev.		25	25	25	25
Voids in mineral aggregate (% min) <sup>l</sup>	California Test 367 <sup>l</sup>				
No. 4 grading		17.0	17.0	--	--
3/8" grading		15.0	15.0	--	--
1/2" grading		14.0	14.0	18.0–23.0	
3/4" grading		13.0	13.0	18.0–23.0	
Moisture susceptibility (minimum dry strength, psi)	California Test 371	100	100	100	--
Moisture susceptibility (tensile strength ratio, %)	California Test 371	80	80	80	--

Add to the first table of the RSS for section 39-3.02A:

**HMA Acceptance—Method Construction Process**

Quality characteristic	Test method	HMA type			
		A	B	RHMA-G	OGFC
Coarse durability index (min) <sup>h,i</sup>	California Test 229	65	65	65	65
Fine durability index (min) <sup>h</sup>	California Test 229	50	50	50	50

<sup>h</sup> Obtain sample from stockpile before lime treatment.

<sup>i</sup> Determine the following using AASHTO T84: bulk specific gravity (SSD) of fine aggregate, bulk specific gravity (oven dry) of fine aggregate,  $G_r$ , and absorption of fine aggregate.

<sup>l</sup> Requirement applies only if aggregate source is from Lassen, Modoc, Siskiyou or Shasta County.

Replace the 7th, 12th, 16th and 17th rows of the first table of the RSS for section 39-3.02A with:

**HMA Acceptance—Method Construction Process**

Quality characteristic	Test method	HMA type			
		A	B	RHMA-G	OGFC
Los Angeles Rattler(% ,max) <sup>h</sup>	California Test 211				
Loss at 100 rev. Loss at 500 rev.		12 25	-- 25	12 25	12 25
Voids in mineral aggregate (% min) <sup>f</sup>	California Test 367 <sup>i</sup>				
No. 4 grading		17.0	17.0	--	--
3/8" grading		15.0	15.0	--	--
1/2" grading 3/4" grading		14.0 13.0	14.0 13.0	18.0-23.0 18.0-23.0	
Moisture susceptibility (minimum dry strength, psi)	California Test 371	100	100	100	--
Moisture susceptibility (tensile strength ratio, %)	California Test 371	80	80	80	--

Add to the first table of the RSS for section 39-4.02C:

**Minimum Quality Control—QC/QA Construction Process**

Quality characteristic	Test method	Minimum sampling and testing frequency	HMA Type			Location of sampling	Maximum reporting time allowance
			A	B	RHMA-G		
Coarse durability index(min) <sup>k, m</sup>	California Test 229	1 per 3,000 tons during production, but not less than 1 per paving day	65	65	65	Stockpile	48 hours
Fine Durability index (min) <sup>k</sup>	California Test 229		50	50	50	Stockpile	48 hours

<sup>k</sup> Obtain sample from stockpile before lime treatment.

<sup>l</sup> Determine the following using AASHTO T84: bulk specific gravity (SSD) of fine aggregate, bulk specific gravity (oven dry) of fine aggregate, G<sub>r</sub>, and absorption of fine aggregate.

<sup>m</sup> Requirement applies only if aggregate source is from Lassen, Modoc, Siskiyou or Shasta County.

Replace the 8th, 10th, 14th, 18th and 19th rows of the first table of the RSS for section 39-4.02C with:

**Minimum Quality Control—QC/QA Construction Process**

Quality characteristic	Test method	Minimum sampling and testing frequency	HMA Type			Location of sampling	Maximum reporting time allowance
			A	B	RHMA-G		
Air void content (%) <sup>f, g</sup>	California Test 367	1 per 4,000 tons or 2 per 5 business days, whichever is greater	4 ± 2	4 ± 2	3.5 ± 1.5	Loose Mix Behind Paver See California Test 125	48 hours
Los Angeles Rattler (% max) <sup>k</sup> : Loss at 100 rev. Loss at 500 rev.	California Test 211	1 per 3,000 tons during production, but not less than 1 per paving day	12 25	-- 25	12 25	Stockpile	48 hours
Voids in mineral aggregate (% min.) <sup>i</sup>  No. 4 grading 3/8" grading 1/2" grading 3/4" grading	California Test 367 <sup>l</sup>	As designated in QC plan.  At least once per project.	17.0 15.0 14.0 13.0	17.0 15.0 14.0 13.0	-- -- 18.0–23.0 18.0–23.0	California Test 367 <sup>l</sup>	48 hours
Moisture susceptibility (minimum dry strength, psi)	California Test 371	1 per 10,000 tons or 1 per project whichever is greater	100	100	100	--	
Moisture susceptibility (tensile strength ratio, %)	California Test 371	1 per 10,000 tons or 1 per project whichever is greater	80	80	80	--	

Delete the "i" from the footnote in the quality characteristic column of the 16th row of the 1st table of the RSS for section 39-4.02C.

Add to the first table of the RSS for section 39-4.04A:

**HMA Acceptance—QC/QA Construction Process**

Index (i)	Quality characteristic	Weighting factor (w)	Test method	HMA type		
				A	B	RHMA-G
	Coarse durability index (min) <sup>k, m</sup>		California Test 229	65	65	65
	Fine durability index(min) <sup>k</sup>		California Test 229	50	50	50

<sup>k</sup> Obtain sample from stockpile before lime treatment.

<sup>l</sup> Determine the following using AASHTO T84: bulk specific gravity (SSD) of fine aggregate, bulk specific gravity (oven dry) of fine aggregate, G<sub>r</sub>, and absorption of fine aggregate.

<sup>m</sup> Requirement applies only if aggregate source is from Lassen, Modoc, Siskiyou or Shasta County.

Replace the 6th, 9th, 12th, 17th and 18th rows of the first table of the RSS for section 39-4.04A with:

**HMA Acceptance—QC/QA Construction Process**

Index (i)	Quality characteristic	Weighting factor (w)	Test method	HMA type		
				A	B	RHMA-G
	Air void content (%) <sup>l, 9</sup>		California Test 367	4 ± 2	4 ± 2	3.5 ± 1.5
	Los Angeles Rattler (% max) <sup>k</sup> Loss at 100 rev. Loss at 500 rev.		California Test 211	12 25	-- 25	12 25
	Voids in mineral aggregate (% min) <sup>i</sup> No. 4 grading 3/8" grading 1/2" grading 3/4" grading		California Test 367 <sup>l</sup>	17.0 15.0 14.0 13.0	17.0 15.0 14.0 13.0	-- -- 18.0–23.0 18.0–23.0
	Moisture susceptibility (minimum dry strength, psi)		California Test 371	100	100	100
	Moisture susceptibility (tensile strength ratio %)		California Test 371	80	80	80