

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

1727 30th Street MS-43

P.O. BOX 168041

SACRAMENTO, CA 95816-8041

FAX (916) 227-6214

TTY 711

*Flex your power!
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March 2, 2011

02-Sis-5-R25.3/R37.5

02-2E6904

Project ID 0200000595

IM-0051 (616)E

Addendum No. 3

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SISKIYOU COUNTY NEAR EDGEWOOD FROM 0.3 MILE SOUTH OF WEED ROADSIDE REST AREA TO 0.7 MILE SOUTH OF GRENADA OVERCROSSING.

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 April 6, 2011. The original bid opening date was previously postponed indefinitely under Addendum No. 2 dated February 22, 2011.

This addendum is being issued to set a new bid opening date as shown herein and revise the Project Plans, the Notice to Bidders and Special Provisions, the Bid book, and the Federal Minimum Wages with Modification Number 17 dated 02/18/11.

Project Plan Sheet 14 is revised. A copy of the revised sheet is attached for substitution for the like-numbered sheet.

In the Special Provisions, Section 10-1.19 "HOT MIX ASPHALT," subsection "MATERIALS," the first paragraph is revised as follows:

"The grade of asphalt binder mixed with aggregate for HMA Type A must be PG64-28TR."

In the Special Provisions, Section 10-1.24, "GRIND EXISTING CONCRETE PAVEMENT," is deleted.

In the Special Provisions, Section 10-1.38, "ASPHALTS" is added as attached.

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In the Bid book, in the "Bid Item List," Item 24 is deleted as attached.

To Bid book holders:

Replace page 4 of the "Bid Item List" in the Bid book with the attached revised page 4 of the Bid Item List. The revised Bid Item List is to be used in the bid.

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.

This addendum, attachments and the modified wage rates are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/02/02-2E6904

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

10-1.38 ASPHALTS

GENERAL

Summary

Comply with Section 92, "Asphalts," of the Standard Specifications.

MATERIALS

Grade

Performance graded tire rubber modified asphalt binder (PG Tire Rubber) is:

Performance Graded Tire Rubber Modified Asphalt Binder ^a

Property	AASHTO Test Method	Grade	
		PG 64-28 TR ^b	PG 76-22 TR ^b
Original Binder			
Flash Point, Minimum °C	T 48	230	230
Solubility, Minimum % ^c	T 44 ^d	97.5	97.5 ^e
Viscosity at 135°C, ^f Maximum, Pa·s	T 316	3.0	3.0
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T 315	64 1.00	76 1.00
RTFO Test, Mass Loss, Maximum, %	T 240	1.00	1.00
RTFO Test Aged Binder			
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T 315	64 2.20	76 2.20
Dynamic Shear, Test Temp. at 10 rad/s, °C Maximum (delta), %	T 315	Note g 80	Note g 80
Elastic Recovery ^h , Test Temp., °C Minimum recovery, %	T 301	25 75	25 65
PAV ⁱ Aging, Temperature, °C	R 28	100	110
RTFO Test and PAV Aged Binder			
Dynamic Shear, Test Temp. at 10 rad/s, °C Maximum G*/sin(delta), kPa	T 315	22 5000	31 5000
Creep Stiffness, Test Temperature, °C Maximum S-value, MPa Minimum M-value	T 313	-18 300 0.300	-12 300 0.300
Notes:			
a. Do not modify binder using polyphosphoric acid modification. Report type and dosage if any acid modification other than polyphosphoric acid modification is used.			
b. Supplier is required to certify 10% minimum tire rubber modifier in binder.			
c. The Engineer waives this specification if the supplier is a Quality Supplier as defined by the Department's "Certification Program for Suppliers of Asphalt."			
d. The Department allows ASTM D 5546 instead of AASHTO T 44			
e. For hot applied chip seal applications the solubility will be a minimum of 93% and a binder profile is required for supplier who is not a Quality Supplier as defined by the Department's "Certification Program for Suppliers of Asphalt."			
f. The Engineer waives this specification if the supplier certifies the asphalt binder can be adequately pumped and mixed at temperatures meeting applicable safety standards.			
g. Test temperature is the temperature at which G*/sin(delta) is 2.2 kPa. A graph of log G*/sin(delta) plotted against temperature may be used to determine the test temperature when G*/sin(delta) is 2.2 kPa. A graph of (delta) versus temperature may be used to determine delta at the temperature when G*/sin(delta) is 2.2 kPa. The Engineer also accepts direct measurement of (delta) at the temperature when G*/sin(delta) is 2.2 kPa.			
h. Tests without a force ductility clamp may be performed.			
i. "PAV" means Pressurized Aging Vessel.			

BID ITEM LIST**02-2E6904**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	394060	DATA CORE	LS	LUMP SUM	LUMP SUM	
22	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	3,470		
23	397005	TACK COAT	TON	180		
24	BLANK					
25	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	3.3		
26	511118	CLEAN EXPANSION JOINT	LF	96		
27	511124	RAPID SETTING CONCRETE (PATCH)	CF	230		
28	515041	FURNISH POLYESTER CONCRETE OVERLAY	CF	3,070		
29	515042	PLACE POLYESTER CONCRETE OVERLAY	SQFT	30,700		
30	020239	BONDED JOINT SEALS (MR 3")	LF	96		
31	820118	GUARD RAILING DELINEATOR	EA	29		
32	832003	METAL BEAM GUARD RAILING (WOOD POST)	LF	190		
33	839541	TRANSITION RAILING (TYPE WB)	EA	6		
34	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	5		
35	020240	ALTERNATIVE TERMINAL SYSTEM	EA	3		
36	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	580		
37	840560	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	LF	394,000		
38	850122	PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)	EA	6,130		
39	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
40	860930	TRAFFIC MONITORING STATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$ _____