



Oregon

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DATE: February 7, 2007

Addenda No. 1

TO: PLAN HOLDERS

PREPARED BY: 

APPROVED BY:  P.E.

SUBJECT: OR126: Durable Striping Section
Florence - Eugene Highway
Lane County
Pavement Markings Project
(Bids to be opened and read February 15, 2007)

The following changes are made to the Project Bid Booklet:

1. The following changes are made to the Project Bid Items:

a. Quantity changes:

<u>Number</u>	<u>Item</u>	<u>Quantity</u>	
		<u>Original</u>	<u>New</u>
0030	Temporary Signs	30	220
0060	Pilot Cars	24	36

b. Deleted items:

<u>Number</u>	<u>Item</u>
0040	Temporary Truck Mounted Impact Attenuators
0050	Portable Changeable Message Signs

c. Added items:

<u>Number</u>	<u>Item</u>	<u>Unit</u>	<u>Quantity</u>
0110	Flaggers	Hour	72

Make a copy of and use the new attached Bid Sheets. A Bid **not** including these new Bid Sheets **will be rejected as non-responsive**.

2. Section 00225 Work Zone Traffic Control - This Section is replaced with Section 0225. See attachment for full text.

These changes will be included in the Contract for this Project. It is understood that your Bid will be submitted accordingly.

Make copies of the new Bid Sheets to replace the Special Provisions Bid Schedule Sheets.

ST:st

Attachments: New Bid Sheets
Replaced Special Provisions Section 0225

BID SCHEDULE

REVISED:

CONTRACT ID: 13328

PROJECT: OR 126 DURABLE STRIPING

PROJECT KEY: 14534

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
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SECTION 0001 TEMPORARY FEATURES AND APPURTENANCES

0010	MOBILIZATION	LS	ALL	
0020	TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	LS	ALL	
0030	TEMPORARY SIGNS	SQFT	220.00	
0040	DELETED BID ITEM	LS	ALL	
0050	DELETED BID ITEM	LS	ALL	
0060	PILOT CARS	HOUR	36.00	
0070	EROSION CONTROL	LS	ALL	
0080	POLLUTION CONTROL PLAN	LS	ALL	

SECTION 0002 PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES

0090	THERMOPLASTIC, INVERTED PROFILE W/BUMPS	FOOT	90,300.00	
0100	PAVEMENT LINE REMOVAL	FOOT	90,300.00	

SECTION 0003 ADDED BID ITEMS

BID SCHEDULE

CONTRACT ID: 13328

PROJECT: OR 126 DURABLE STRIPING

PROJECT KEY: 14534

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0110	FLAGGERS	72.00 HOUR		
	TOTAL BID			

SECTION 00225 - WORK ZONE TRAFFIC CONTROL

Comply with Section 00225 of the Standard Specifications supplemented and/or modified as follows:

00225.01(c) Standards - Replace the paragraph that begins "Do not use the...", with the following paragraph:

Do not use the Oregon Department of Transportation's "Short Term Traffic Control Handbook". Do not use the "Traffic Control on State Highways for Short Term Work Zones" or the "Oregon Temporary Traffic Control Handbook for Operations of 3 Days or Less" except when directed by the Engineer for mobile pavement marking operations.

00225.02 General Requirements - Add the following after the last paragraph of this subsection:

Protect traffic by using the appropriate configurations as detailed on Standard Drawings RD900 and RD910.

Install a "ROAD WORK AHEAD" (W20-1-48) sign with "FINES DOUBLE" (R2-6-36) rider on the Florence - Eugene Highway, approximately 1/2 mile in advance of each end of the Project, facing incoming traffic. Also, install an "END ROAD WORK" (CG20-2A-24) sign approximately 500 feet beyond each end of the Project, facing outgoing traffic.

Install a "TRUCKS" (CW15-4-48) sign, with a "500 FEET" (W16-2-18) rider, approximately 500 feet before each point of access of all noncommercial stockpile sites, material sources, waste areas, and plant set-up areas to a public roadway.

On each through road intersecting an active work area, place one "ROAD WORK AHEAD" (W20-1-48) sign approximately 300 feet in advance of the work area. These signs do not require sign flag boards, unless otherwise directed by the Engineer.

When extended traffic queues develop during flagging operations, protect traffic by providing advance flagger(s) and signing according to the "Extended Traffic Queues Detail" shown on Standard Drawing RD910. The advance flagger is required when the sight distance for oncoming traffic to the end of the queue is less than 675 feet or when traffic queues extend beyond the initial work area warning signs.

Monitor the length of traffic queues and install an additional set of advance flagger signs if traffic queues extend beyond the first set of advance flagger signs. Advance flagger signs include the "BE PREPARED TO STOP" (W3-4-48) and the Flagger Symbol (CW23-2-48) signs.

Relocate the initial advance warning sign so it is the first sign visible to incoming traffic.

00225.03 Traffic Control Outside Contract Limits - Replace this subsection with the following subsection:

00225.03 Traffic Control Outside Project Site - Provide TCM outside the Project Site when required.

00225.05 Contractor's Traffic Control Plan - Add the following bullet to the end of this subsection:

- Two copies of a sketch map of the Project showing all existing tourist-oriented directional (TOD) and business logo signs and a written narrative describing how these signs will be kept in service and protected throughout all the construction stages

Replace the paragraph that begins "TCP revisions will be...", with the following:

TCP revisions will be subject to a Contract change order.

00225.10 General - Add the following paragraph to the end of this subsection:

All work zone TCD on the National Highway System (NHS) are required to comply with the NCHRP 350 report and be crashworthy. Category IV trailer mounted devices are currently exempt from the NCHRP 350 requirements, however, additional guidance will be issued by FHWA by October, 2006.

00225.11 Temporary Signing - Replace the sentence that begins "Use new temporary signs..." with the following sentence:

Use temporary signs meeting the requirements of the "Acceptable" category shown in the American Traffic Safety Services Association (ATSSA) "Quality Standards For Work Zone Traffic Control Devices" handbook and the following:

00225.11(a-2) Type - Replace the sentence that begins "Use Type "OO" signs..." with the following sentence:

Use Type "O4" signs, unless otherwise indicated in this Section or in the TCP.

Add the following bullet to the end of the bulleted list:

- Extruded aluminum panels

00225.11(a-4) Reflective Sheeting - Replace this subsection with the following subsection:

00225.11(a-4) Retroreflective Sheeting (Prismatic Lens) - Use ASTM D 4956 Type VII, Type VIII, Type IX, or Type X fluorescent orange sheeting from the QPL on all work zone signs unless otherwise indicated in this Section or in the TCP.

00225.11(a-5) Roll-up Signs - Replace the sentence with the following sentence:

Use roll-up signs with fluorescent orange roll-up sign sheeting from the QPL.

Add the following subsection:

00225.11(a-6) Light-Weight Sign Substrate - Use light-weight sign substrates from the QPL.

00225.11(b-1) Wood Sign Posts - Replace this subsection with the following subsection:

(1) **Wood Sign Posts** - Provide wood sign posts in the sizes and quantities determined from Standard Drawing TM100 and according to 02110.40 except preservative treatment is not required.

00225.11(b-3) Concrete Barrier Sign Supports - Replace the bullet that begins "Conform to Standard..." with the following bullet:

- Conform to Standard Drawing RD911

00225.11(b-4) Temporary Sign Supports - Replace this subsection, except for the heading, with the following:

Fabricate TSS according to Standard Drawing RD911 and according to 02110.40 except preservative treatment is not required.

Add the following subsection:

00225.11(b-5) Square Tube Sign Supports - Provide and use square tube sign supports from the QPL and Standard Drawing TM239. To determine proper steel post size, gauge, and number of posts for given sign size, refer to manufacturer specifications.

00225.27 Flaggers - Replace the bullet that begins "Highly visible 'STOP/SLOW' sign..." with the following bullet:

- Highly visible "STOP/SLOW" sign paddles conforming to the MUTCD and fabricated using encapsulated lens reflective sheeting or brighter, or flashing "STOP/SLOW" sign paddles from the QPL

Replace the bullet that begins "For flaggers farthest from..." with the following bullet:

- Use a STOP/SLOW paddle for advance flagging. Cover the STOP face of the STOP/SLOW paddle during flagging operation.

Replace the bullet that begins "Portable, self-contained two-way..." with the following bullet:

- Portable, self contained two-way radio and repeaters, as required, with a range suitable for communications throughout the Project limits

00225.31 Qualifications - Replace this subsection with the following subsection:

00225.31 Qualifications - Use flaggers, TCS, signal operators, and pilot car operators that meet the following requirements:

- Have a valid drivers license
- Are at least 18 years old
- Have the mental and physical ability to provide timely, clear, and positive guidance to the traveling public

- Have a sense of responsibility for public and work crew safety
- Have a professional appearance
- Have a courteous but firm manner
- Have completed an approved work zone traffic control flagging course within the past three years and have in their possession a current, official state Flagger Certification card from either Oregon, Washington, Idaho, or Montana

00225.32 Traffic Control Supervisor - Replace the paragraph that begins "When the bid schedule does not..." and the bullets after that paragraph with the following paragraph and bullets:

When the bid schedule does not include an item for a TCS, appoint a qualified and competent person on the jobsite during working hours and on call at all other times who:

- Meets the requirements of 00225.31
- Is responsible for maintaining all TCD in proper position and condition
- Is equipped with a two-way radio with a range suitable for the Project
- Has the authority to assign and control flagging operations
- Files his/her name and phone number with the Engineer and local police

00225.41 Temporary Signage - Add the following paragraph to the end of this subsection:

Install temporary signs according to 00940.47.

00225.41(a) Orange Construction Speed Zone Signage - Delete this subsection in its entirety.

00225.41(b-2) Portable Sign Supports - Replace the last bullet with the following bullet:

- Use only with roll-up signs from the QPL

00225.41(b-4) Temporary Sign Supports - Replace the second bullet with the following bullet:

- When not practical to post-mount due to location or when utility conflicts exist

Add the following bullet to the end of this subsection:

- When TSS, as shown on RD911, is not in use, move the sign support outside the clear zone or cover and delineate with Type III barricades

Add the following subsection:

00225.41(b-5) Square Tube Sign Supports - Square tube sign supports may be used as a substitute for wood sign posts. Install square tube sign supports according to Standard Drawing TM100 and TM239.

In the second bullet, replace "RD800" with "TM570".

Replace the fourth bullet with the following bullet:

- Remove after a new edge stripe has been painted and new delineators are in place

Add the following bullets:

- Between traffic and the abrupt edge
- Place delineation immediately

00225.47 Flaggers - Replace the paragraph that begins "Locate flaggers far enough..." with the following paragraph:

Locate flaggers far enough in advance of the work area to permit adequate time for the motorist to respond to the flagger's instruction. All flaggers, including advance flaggers, shall use the STOP/SLOW paddle.

00225.80(a) Quantity Limitations - Replace this subsection with the following:

(a) Quantity Limitations - The quantities for work zone traffic control measures will be limited to the following, unless otherwise specified:

- The initial installation of quantities necessary to complete the Project based on the Schedule of Items
- The initial installation of additional TCD and TCM that the Engineer and Contractor agree are necessary to ensure a safe work zone
- The replacement of TCD and TCM, except temporary signing and temporary electrical signs, damaged by public traffic and replaced by the Contractor
- The quantities approved in contract change orders

Temporary signing and temporary electrical signs damaged by public traffic and replaced or repaired by the Contractor will not be measured.

00225.81(a) Signs - Add the following to the end of this subsection:

Route markers and other signs fastened to the face of larger signs will be measured as separate signs.

00225.83(e) Striping and Stripe Removal Mobilization - Replace this subsection with the following subsection:

(e) Striping and Stripe Removal Mobilization - No separate measurement will be made for mobilization to perform striping or stripe removal, or for mobilization to place or remove temporary flexible pavement markers.

00225.90(a) Pay Quantities - Replace the first sentence of the paragraph that begins "All TCD damaged by ..." with the following sentence:

All TCD damaged by public traffic and replaced by the Contractor, except temporary signing and temporary electrical signs will be paid for at the Contract price for the pay items listed in the Schedule of Items or in approved Contract change orders, unless otherwise specified.

In the second list of bullets, replace the first bullet with the following bullet:

- Moving and reinstalling signs, barricades, plastic drums, delineators, sequential arrow signs, and portable changeable message signs required by stage construction

00225.93 Temporary Traffic Delineation - Add the following paragraph to the end of this subsection:

No separate or additional payment will be made for mobilization to perform striping or stripe removal, or for mobilization to place or remove temporary flexible pavement markers. Payment is incidental and included in payment made for the appropriate pay items.