



# Oregon

Theodore R. Kulongoski, Governor


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DATE: July 24, 2009

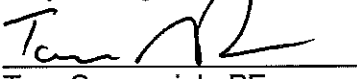
Addenda No. 1

TO: PLAN HOLDERS

PREPARED BY:

  
Jeff Potts, PE  
Project Engineer WHPacific

APPROVED BY:

  
Tom Szymoniak, PE  
Project Manager WHPacific

SUBJECT: Huntington Rd/Riverview Dr: S. Century – Burgess Rd. Section  
Various Highways  
Deschutes County  
Paving  
(Bids to be opened and read July 30, 2009)

**The following changes are made to the Project Bid Booklet:**

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

<u>Number</u>	<u>Item</u>
0060	Temporary Flexible Pavement Markers

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**.

**The following changes are made to the Project Special Provisions:**

1. Section 00165 – **Quality of Materials** – This Section is replaced with the following Section:

Comply with Section 00165 of the Standard Specifications modified as follows

**00165.10 (a) Field Tested Materials** – Add the following paragraph:

Huntington Rd/Riverview Dr: S. Century – Burgess Rd. Section  
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For this Project, use Section 5 of the MFTP. Field-testing materials will be accepted according to the Type D testing program.

2. Section 00744 Minor Hot Mixed Asphalt Concrete (MHMAC) Pavement - This Section is replaced with Section 00744. See attachment for full text.

**The following changes are made to the Project Plans:**

1. Plan sheet 2 is replaced with revised plan sheet 2  
These changes will be included in the Contract for this Project. It is understood that your Bid will be submitted accordingly.

JP:TS

Attachments: New Bid Sheets  
Replaced Special Provisions Section  
New Plan Sheet

BID SCHEDULE

CONTRACT ID: 14094

PROJECT: HUNTINGTON RD: S CENTURY  
DR-BURGESS RD PAVING

PROJECT KEY: 16474

ADDENDUM NUMBER: 1

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	0210-0100000A MOBILIZATION	LS	ALL	
0020	0225-0100000A TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	LS	ALL	
0030	0225-0102000J TEMPORARY SIGNS	SQFT	400.00	
0040	0225-0105000E TEMPORARY BARRICADES, TYPE III	EACH	2.00	
0050	0225-0145000E TEMPORARY PLASTIC DRUMS	EACH	10.00	
0060	0225-0149000E TEMPORARY FLEXIBLE PAVEMENT MARKERS	EACH	5,500.00	
0070	0225-0164000E PORTABLE CHANGEABLE MESSAGE SIGNS	EACH	2.00	
0080	0225-0168000T FLAGGERS	HOUR	500.00	
0090	0225-0172000T PILOT CARS	HOUR	120.00	
0100	0280-0100000A EROSION CONTROL	LS	ALL	
0110	0290-0100000A POLLUTION CONTROL PLAN	LS	ALL	

SECTION 0002 BASES

BID SCHEDULE

CONTRACT ID: 14094

PROJECT: HUNTINGTON RD: S CENTURY  
DR-BURGESS RD PAVING

PROJECT KEY: 16474

ADDENDUM NUMBER: 1

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0120	0620-0104000J COLD PLANE PAVEMENT REMOVAL, 0 - 2 INCHES DEEP	250.00 SQYD		
0130	0640-0100000M AGGREGATE BASE	350.00 TON		
0140	0640-0101000M AGGREGATE SHOULDERS	2,150.00 TON		

SECTION 0003 WEARING SURFACES

0150	0730-0100000M EMULSIFIED ASPHALT FOR TACK COAT	55.00 TON		
0160	0744-0302000M LEVEL 3, 1/2 INCH DENSE MHMAC MIXTURE	17,300.00 TON		
0170	0749-0100000E EXTRA FOR ASPHALT APPROACHES	72.00 EACH		
	TOTAL BID			

## **SECTION 00744 - MINOR HOT MIXED ASPHALT CONCRETE (MHMAC) PAVEMENT**

Comply with Section 00744 of the Standard Specifications modified as follows:

**00744.02 Definitions** – Add the following:

**Lot Size:** A lot is the total quantity of material or work produced per JMF per project. The following circumstances will require a different lot:

- A new JMF is used.
- The method for measuring compaction is changed.
- A change in one test procedure for measuring asphalt content to another test procedure for measuring asphalt content occurs.

The Engineer may allow material for irregular areas not completed during the main paving operations, such as driveways or guardrail flares to be evaluated as a separate lot.

**Sublot Size:** A sublot is 1,000 tons of MHMAC or the amount of MHMAC placed in a day if less than 1,000 tons is placed.

**00744.11(a) Asphalt Cement** - Replace the sentence that begins "Use PG 64-22 or..." with the following sentence:

Use PG 70-28 asphalt on this Project.

**00744.13 Job Mix Formula (JMF) Requirements** – Replaced the sentence that begins "Provide a JMF for the Project meeting the following..." with the following sentence:

Do not begin production of MHMAC for use on the Project until the JMF is reviewed by the ODOT Pavement Services Engineer and written consent is provided to proceed. A new JMF is required if the asphalt cement grade, any additives, or the source of the aggregate changes during production. Provide a JMF for the Project meeting the following criteria:

**00744.16 MHMAC Acceptance** - Replace this subsection with the following subsection:

**00744.16 MHMAC Acceptance** - A CAT-1 shall perform a minimum of one asphalt content, gradation, mix moisture, and Maximum Specific Gravity (AASHTO T 209) test per sublot and provide results to the Engineer by the middle of the following work shift.

MHMAC acceptance for this Project will be according to Type D of the MFTP.

For Independent Quality Assurance testing, the Contractor shall also provide split samples to the Engineer when requested.

Testing for irregular areas not completed during the main paving operations, such as driveways and guardrail flares may be waived upon written notice and accepted visually by the Engineer according to Section 4(B) of the MFTP.

When three or more tests are performed on a project, a price adjustment will be calculated according to 00744.95.

Add the following subsection:

**00744.17 Small Quantity Acceptance** - When less than three test results are obtained on a project and testing has not been waived by the Engineer, the MHMAC will be accepted according to the following:

**(a) Within Specification Limits** - If all subplot sample test results are within specification limits for all constituents (including compaction) the material will be accepted and the full bid price will be paid for the material represented by that test.

**(b) Outside Specification Limits** - If a subplot sample test result for any constituent is outside the specification limit the Engineer will have the backup sample tested.

**(1) Backup Within Specifications** - If the backup sample test results for all constituents are within specification, the material will be accepted and the full bid price will be paid for the material represented by that test.

**(2) Backup Out of Specifications** - If the backup sample test results are out of specification, the Contractor may choose to accept the price adjustment calculated according to 00744.95 or may choose to sample the in-place material for further testing. The price adjustments will be computed using all original test results as well as all backup test results. (If there are less than three tests, average the two tests you have and use the average as the third test result). In no case will the composite pay factor (CPF) be greater than 1.0.

**(3) In-Place Samples** - If the in-place material is sampled, the Engineer will select and sample from three random locations from the area represented by the lot in question. Those samples will be tested and if found to be within specification the material will be accepted and paid for at the full bid price. If the material proves to be outside of the specification limits, the material will be accepted and paid for at an adjusted price according to 00744.95. In no case will the CPF be above 1.0.

Add the following subsection:

**00744.25 – Asphalt Pavers** – Provide asphalt pavers equipped with automatic level controls. Automatic level controls shall consist of a joint matcher and a leveling beam as follows:

**(a) Joint Matcher** – Joint matcher shall be a short shoe riding on the previously laid asphalt mat. Shoe shall be connected to an automatic sensor to automatically control the screed.

**(b) Leveling Beam** – Leveling beam shall a minimum 30 feet in length. Leveling beam shall consist of series of spring loaded feet so that the beam adopts an average height. Beam must be parallel to the paver and held firmly upright while maintaining free movement at all connections and leveling feet. Care must be taken to keep the traveling surface under the feet free of debris.

**00744.49 Compaction** - Replace this subsection with the following subsection:

**00744.49 Compaction** - Immediately after the MHMAC has been spread, struck off, and surface irregularities and other defects remedied, roll it uniformly with rollers meeting the requirements of 00744.24 until compacted to a minimum of 91% of MAMD. Perform finish rolling and continue until all roller marks are eliminated. Determine the density of each subplot by averaging five QC tests performed at random locations by a CDT with the nuclear gauge operated in the backscatter mode according to WAQTC TM 8. Calculate MAMD according to ODOT TM 305. When less than three subplot test results are obtained on a project, the MHMAC will be accepted according to 00744.17. Perform a minimum of one subplot density test per day.

Compaction to specified density will not be required on temporary surfacing, guardrail flares, mailbox turnouts, road approaches, minor pavement repair, and areas of restrict width (less than 8 feet wide) or limit length, regardless of thickness. Compaction in these areas in accordance with Section 00749.45.

**00744.80 Measurement** - Delete the paragraph that begins "No separate measurement will be made...".

**00744.90 Payment** - Delete the paragraph that begins "No separate or additional payment will be made for the asphalt tack...".

Add the following subsection:

**00744.95 MHMAC Price Adjustments** - The Composite Pay Factor (CPF), calculated according to 00165.40 will be applied to the Contract unit price for the pay items of 00744.90 and to the applicable lot quantities. The CPF will be made available to the Contractor within 24 hours of receipt of the required quality control test results. If less than three samples are tested, the CPF will be computed as outlined in 00744.17. The maximum CPF for any case will be 1.0.

Use the following table to determine price adjustments in the CPF for constituents of MHMAC.

Gradation Constituents	Dense Graded MHMAC Type		
	Weighting Factor (f)		
All Aggregate Passing	3/4"	1/2"	3/8"
1"	1		
3/4"	1	1	
1/2"	1	1	1
3/8"	–	–	1

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No. 4	5	5	5
No. 8	5	6	6
No. 30	3	3	3
No. 200	10	10	10

**Other Constituents**

Asphalt Content	26	26	26
Moisture Content	8	8	8
Compaction	40	40	40

Those MHMAC constituents statistically evaluated will be eligible for a maximum PF of 1.00 (see 00165.50(b-1)), unless otherwise specified.

If these specifications do not require measurement of a constituent, its individual PF will be considered 1.00 in calculating the CPF according to 00165.40.

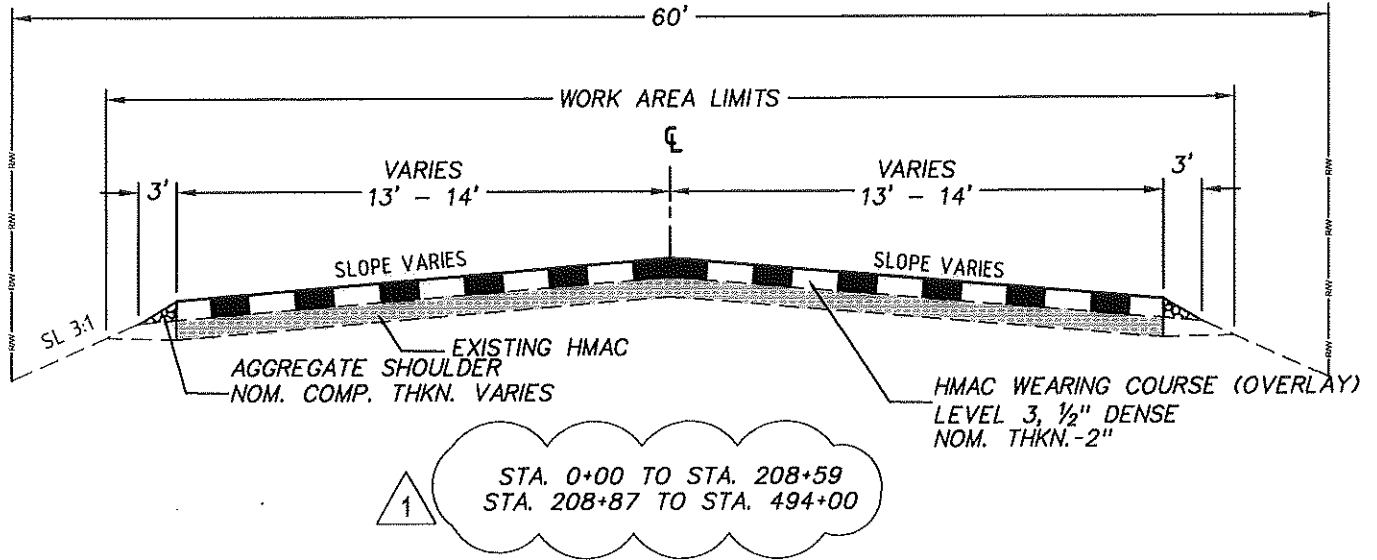
A price adjustment will be determined by the following formula:

$$(CPF - 1) \times \text{MHMAC Unit Price} \times (LQ) = \underline{\hspace{2cm}}$$

Where: LQ is the quantity of mixture in the lot

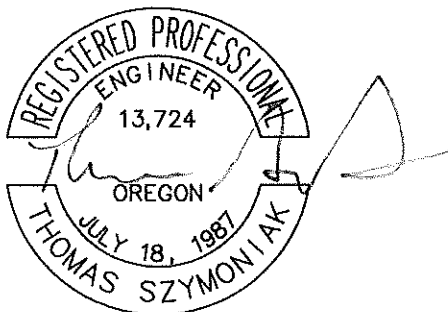
# HUNTINGTON RD/RIVERVIEW DR: S CENTURY - BURGESS RD SECTION VARIOUS HIGHWAYS DESCHUTES COUNTY

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**NOTE:**

1. NO STAGING OF EQUIPMENT OR MATERIALS SHALL BE OUTSIDE THE LIMITS OF THE EXISTING GRAVEL SHOULDERS.
2. COLD PLANE PAVEMENT REMOVAL AT BEGINNING AND END OF PROJECT AND AT STATE REC ROAD, ACCORDING TO STD DWG RD610.



EXP. 06/30/10

## TYPICAL SECTIONS

1 ADDENDUM NO.1

DESIGNED BY: TS DRAFTED BY: CB		SHEET No. 2
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