



Oregon


Theodore R. Kulongoski, Governor

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DATE: November 13, 2009

Addenda No. 1

TO: PLAN HOLDERS

PREPARED BY:  MaryEllen Stesney
Region 1, Senior Specifications Writer

APPROVED BY: Floyd Harrington, P.E.
Region 1 Roadway Unit Manager  FOR FLOYD HARRINGTON

SUBJECT: OR213: Cascade Hwy S (Milk Cr Br) Mulino Section
Cascade Highway
Clackamas County
Grading, Drainage, Structures, Paving and Signing Project
(Bids to be opened and read November 19, 2009)

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>
0450	Granular Drainage Blanket	880.00	440.00

b. Name changes:

<u>Number</u>	<u>Item</u>
0990	Level 3, 1/2 Inch Dense HMAC in Leveling

c. Added items

<u>Number</u>	<u>Item</u>	<u>Unit</u>	<u>Quantity</u>
2090	Traffic Control Supervisor	Each	100.00

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. **TABLE OF CONTENTS** page - Replace these two sheets with the attached Table of Contents.
2. Subsection **00280.48 Emergency Materials** - Delete the Item "Biobag filters" from the list of emergency materials.
3. **Section 00390 - Riprap Protection** - Insert this Section immediately after Section 00350.

SECTION 00390 - RIPRAP PROTECTION

Comply with Section 00390 of the Standard Specifications modified as follows:

00390.11(b) Test Requirements - Under the "Requirement" column next to "Sediment Height" replace 8" with 8.0".

4. **Section 00445.80(a) Pipes** - Add this subsection in front of 00445.91:

00445.80(a) Pipes - In the length bullet, add ", to the nearest foot" after the word "applicable".

5. Subsection **00587.80 Measurement** - Add the following line to the list of estimated quantities of bridge rail:

Bridge No. 21142	Pedestrian Rail	150
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6. Subsection **00620.40(b) Depth 1 inch to 2 Inches** - Add the following sentence to the end of this subsection:

For further restrictions, see 00220.02.

7. Subsection **00745.48(b) Depositing** - This entire subsection is deleted.

8. Subsection **00745.49(b-3) Moving Average Maximum Density (MAMD) Method** - This subsection is added after subsection 00745.49(b-1):

00745.49(b-3) Moving Average Maximum Density (MAMD) Method - Replace the MAMD list with the following list:

Course of Construction	HMAC
First HMAC lift less than 3 inches placed on aggregate base	91.0
All other	92.0

9. Subsection **00748.20 Equipment** - Replace "0030" with "00330".
10. **Section 01070 - Mailbox Supports** - This Section is added after Section 01050:

SECTION 01070 - MAILBOX SUPPORTS

Comply with Section 01070 of the Standard Specifications.

11. **Section 02450 - Manhole and Inlet Materials** - This Section is added after Section 02110:

SECTION 02450 - MANHOLE AND INLET MATERIALS

Comply with Section 02450 of the Standard Specifications modified as follows:

02450.30 Metal Frames, Covers, Grates, and Ladders - Under the Projects on State Highways requirements, replace the "Inlet frames and grates" line with the following lines:

Inlet frames and grates	M 306	Class 35 B
	M 227 (A 663)	65
	M 270 (A 709) A 36	36
	M 103 (A 27)	65 - 35

12. **Section 02630 - Base Aggregate** - This Section is add after Section 02450:

SECTION 02630 - BASE AGGREGATE

Comply with Section 02630 of the Standard Specifications modified as follows:

OR213: Cascade Hwy S (Milk Cr Br) Mulino Section
Cascade Highway
Clackamas County
Grading, Drainage, Structure, Paving and Signing Project
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02630.10(a) Grading - In Table 02630-01, add the following sieve size line before the No. 10 sieve size line and add the following footnote at the end to the table:

No. 4 * - - - - -

* Report percent passing sieve when no grading requirements are listed

The following changes are made to the Project Plans:

1. Plan sheet GH is replaced with revised plan sheet GH.

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.

Attachments: New Bid Sheets
 Table of Contents
 Revised Plan Sheet

BID SCHEDULE

CONTRACT ID: 14146

PROJECT: OR213:CASCADE HWY SOUTH (MILK CR
BR) MULINO ROAD

PROJECT KEY: 13723

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	0100-0101000T TRAINING	HOUR	1,590.00	
0020	0210-0100000A MOBILIZATION	LS	ALL	
0030	0225-0100000A TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	LS	ALL	
0040	0225-0102000J TEMPORARY SIGNS	SQFT	1,455.00	
0050	0225-0104000E TEMPORARY BARRICADES, TYPE II	EACH	4.00	
0060	0225-0105000E TEMPORARY BARRICADES, TYPE III	EACH	9.00	
0070	0225-0119000E TEMPORARY BRIDGE CONNECTIONS	EACH	4.00	
0080	0225-0126000F TEMPORARY CONCRETE BARRIER, REFLECTORIZED	FOOT	1,063.00	
0090	0225-0132000F MOVING TEMPORARY CONCRETE BARRIER	FOOT	1,600.00	
0100	0225-0133000E TEMPORARY IMPACT ATTENUATOR	EACH	3.00	
0110	0225-0136000E MOVING TEMPORARY IMPACT ATTENUATORS	EACH	5.00	
0120	0225-0141200E REPAIR TEMPORARY IMPACT ATTENUATOR	EACH	81.00	

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0130	0225-0145000E TEMPORARY PLASTIC DRUMS	EACH 45.00		
0140	0225-0149000E TEMPORARY FLEXIBLE PAVEMENT MARKERS	EACH 23,000.00		
0150	0225-0150000F TEMPORARY REMOVABLE TAPE	FOOT 6,300.00		
0160	0225-0153000F TEMPORARY STRIPING	FOOT 60,000.00		
0170	0225-0153100E TEMPORARY PAVEMENT LEGENDS	EACH 5.00		
0180	0225-0153200J TEMPORARY PAVEMENT BARS	SQFT 640.00		
0190	0225-0154000F STRIPE REMOVAL	FOOT 55,500.00		
0200	0225-0155100J LEGEND REMOVAL	SQFT 215.00		
0210	0225-0164000E PORTABLE CHANGEABLE MESSAGE SIGNS	EACH 2.00		
0220	0225-0168000T FLAGGERS	HOUR 2,000.00		
0230	0225-0168100E FLAGGER STATION LIGHTING	EACH 2.00		
0240	0225-0172000T PILOT CARS	HOUR 120.00		
0250	0240-0100000A TEMPORARY DRAINAGE FACILITIES	LS ALL		

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ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0260	0280-0100000A EROSION CONTROL	LS ALL		
0270	0280-0113000F SEDIMENT FENCE, UNSUPPORTED	FOOT 4,400.00		
0280	0280-0114000E INLET PROTECTION	EACH 41.00		
0290	0290-0100000A POLLUTION CONTROL PLAN	LS ALL		
0300	0290-0102000A WORK CONTAINMENT PLAN AND SYSTEM	LS ALL		
0310	0290-9Z90000A REMOVAL OF WATER PIPE WITH ASBESTOS WRAPPING	LS ALL		
0320	0290-9Z90000A REMOVE AND DISPOSE OF PAINTED METAL GUARDRAIL	LS ALL		

SECTION 0002 ROADWORK

0330	0305-0100000A CONSTRUCTION SURVEY WORK	LS ALL		
0340	0310-0103000J REMOVAL OF SURFACINGS	SQYD 763.00		
0350	0310-0106000A REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS ALL		
0360	0320-0100000A CLEARING AND GRUBBING	LS ALL		
0370	0330-0101000K DITCH EXCAVATION	CUYD 229.00		

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0380	0330-0105000K GENERAL EXCAVATION	19,500.00 CUYD		
0390	0330-0130000K EXTRA FOR SELECTED EMBANKMENT MATERIAL	2,490.00 CUYD		
0400	0331-0106000J 12 INCH SUBGRADE STABILIZATION	3,050.00 SQYD		
0410	0331-0109000J 18 INCH SUBGRADE STABILIZATION	9,050.00 SQYD		
0420	0340-0100000Q WATERING	390.00 MGAL		
0430	0350-0100000J DRAINAGE GEOTEXTILE, TYPE 1	1,063.00 SQYD		
0440	0350-0105000J SUBGRADE GEOTEXTILE	12,000.00 SQYD		
0450	0360-0102000K GRANULAR DRAINAGE BLANKET	440.00 CUYD		
0460	0390-0111000K LOOSE RIPRAP, CLASS 200	904.00 CUYD		
0470	0390-0114000K LOOSE RIPRAP, CLASS 700	935.00 CUYD		
0480	0390-0139000E RIPRAP BASINS	1.00 EACH		

SECTION 0003 DRAINAGE AND SEWERS

0490	0430-0100080F 8 INCH DRAIN PIPE	100.00 FOOT		
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0500	0445-010012AF 12 INCH CULVERT PIPE, 5 FT DEPTH	481.50 FOOT		
0510	0445-035012AF 12 INCH STORM SEWER PIPE, 5 FT DEPTH	2,002.50 FOOT		
0520	0445-035012BF 12 INCH STORM SEWER PIPE, 10 FT DEPTH	316.50 FOOT		
0530	0445-035018AF 18 INCH STORM SEWER PIPE, 5 FT DEPTH	32.50 FOOT		
0540	0445-035018BF 18 INCH STORM SEWER PIPE, 10 FT DEPTH	1,218.00 FOOT		
0550	0445-035024AF 24 INCH STORM SEWER PIPE, 5 FT DEPTH	257.90 FOOT		
0560	0445-035024CF 24 INCH STORM SEWER PIPE, 20 FT DEPTH	643.20 FOOT		
0570	0470-0101000E CONCRETE STORM SEWER MANHOLES	13.00 EACH		
0580	0470-0106000E CONCRETE MANHOLES, LARGE PRECAST	3.00 EACH		
0590	0470-0113000E CONCRETE MANHOLES, SEDIMENTATION	1.00 EACH		
0600	0470-0307000E CONCRETE INLETS, TYPE CG-2	33.00 EACH		
0610	0470-0311000E CONCRETE INLETS, TYPE D	1.00 EACH		
0620	0470-0315000E CONCRETE INLETS, TYPE G-2	7.00 EACH		

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0630	0470-0317000E CONCRETE INLETS, TYPE G-2M	3.00 EACH		
0640	0470-0321000E CONCRETE INLETS, TYPE M-E	6.00 EACH		
0650	0480-0100000F DRAINAGE CURBS	612.00 FOOT		
0660	0490-0104000E CONNECTION TO EXISTING STRUCTURES	2.00 EACH		
0670	0490-0117000E FILLING ABANDONED STRUCTURES	3.00 EACH		
0680	0495-0100000J TRENCH RESURFACING	910.00 SQYD		

SECTION 0004 BRIDGES

0690	0501-0100000A BRIDGE REMOVAL WORK	ALL LS		
0700	0510-0100000A SHORING, CRIBBING AND COFFERDAMS	ALL LS		
0710	0510-0101000A STRUCTURE EXCAVATION	ALL LS		
0720	0510-0108000A GRANULAR STRUCTURE BACKFILL	ALL LS		
0730	0512-0100000A FURNISH DRILLING EQUIPMENT	ALL LS		
0740	0512-0101000A DRILLED SHAFT CONCRETE	ALL LS		

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ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0750	0512-0103000A DRILLED SHAFT REINFORCEMENT	LS	ALL	
0760	0512-0104000E CSL EQUIPMENT MOBILIZATION	EACH	2.00	
0770	0512-0105000F CSL TEST ACCESS TUBES	FOOT	3,132.00	
0780	0512-0106000E CSL TESTS	EACH	12.00	
0790	0512-0110000F DRILLED SHAFT EXCAVATION, 48 INCH DIAMETER	FOOT	783.00	
0800	0530-0100000A REINFORCEMENT	LS	ALL	
0810	0530-0103000A COATED REINFORCEMENT	LS	ALL	
0820	0540-0207000K DECK CONCRETE, CLASS HPC4000	CUYD	288.00	
0830	0540-0311000K GENERAL STRUCTURAL CONCRETE, CLASS 3300	CUYD	507.00	
0840	0540-0401000J SAW CUT TEXTURING	SQYD	1,340.10	
0850	0545-0100000J REINFORCED CONCRETE BRIDGE END PANELS	SQYD	450.00	
0860	0550-9Z90000F BT-90 PRE-CAST, PRESTRESSED BOX BEAM	FOOT	1,715.00	
0870	0585-0111000A TYPE "D" PREFORMED POLYCHLOROPRENE COMPRESSION JOINT SEALS	LS	ALL	

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ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0880	0587-0100000A TEMPORARY BRIDGE RAIL	LS ALL		
0890	0587-0127000A HANDRAIL	LS ALL		
0900	0587-0130000A ORNAMENTAL RAIL	LS ALL		
0910	0589-0100000A UTILITY ATTACHMENT ON STRUCTURES	LS ALL		
0920	0596-0100000J RETAING WALL, CAST-IN-PLACE CONCRETE (PGE WALL 21143)	SQFT 1,210.00		
0930	0596-0100000J RETAINING WALL, CAST-IN-PLACE CONCRETE (SCHOOL WALL 21142)	SQFT 700.00		

SECTION 0005 BASES

0940	0610-0103000A RECONDITIONING EXISTING ROADWAY	LS ALL		
0950	0620-0120000J COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	SQYD 4,315.00		
0960	0641-0102000M AGGREGATE BASE	TON 9,106.00		

SECTION 0006 WEARING SURFACES

0970	0730-0100000M EMULSIFIED ASPHALT FOR TACK COAT	TON 10.00		
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0980	0745-0302000M LEVEL 3, 1/2 INCH DENSE HMAC	TON	8,863.00	
0990	0744-0331000M LEVEL 3, 1/2 INCH DENSE MHMAC MIXTURE IN LEVELING	TON	1,275.00	
1000	0745-0620000M PG 64-22 ASPHALT IN HMAC	TON	570.00	
1010	0748-0119000J 36 INCH ASPHALT CONCRETE PAVEMENT REPAIR	SQYD	350.00	
1020	0748-9Z90000J 3 INCH ASPHALT CONCRETE PAVEMENT REPAIR	SQYD	250.00	
1030	0749-0100000E EXTRA FOR ASPHALT APPROACHES	EACH	3.00	
1040	0749-0102000E EXTRA FOR PEDESTRIAN LANDINGS	EACH	4.00	
1050	0749-0110000E ASPHALT APPROACHES	EACH	6.00	
1060	0759-0110000F CONCRETE CURBS, STANDARD CURB	FOOT	4,236.00	
1070	0759-0118000F CONCRETE CURBS, MOUNTABLE CURB	FOOT	283.00	
1080	0759-0126000J CONCRETE DRIVEWAYS	SQFT	8,806.00	
1090	0759-0128000J CONCRETE WALKS	SQFT	11,648.00	
1100	0759-0152000J CONCRETE DRIVEWAY CONNECTIONS	SQFT	9,650.00	

SECTION 0007 PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES

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ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
1110	0810-0104000F GUARDRAIL, TYPE 2A	767.00 FOOT		
1120	0810-0107000F GUARDRAIL, TYPE 3	25.00 FOOT		
1130	0810-0109000F GUARDRAIL, TYPE 4	26.00 FOOT		
1140	0810-0120000E GUARDRAIL ANCHORS, TYPE 1 MODIFIED	2.00 EACH		
1150	0810-0122000E GUARDRAIL END PIECES, TYPE B	2.00 EACH		
1160	0810-0126000E GUARDRAIL TRANSITION	4.00 EACH		
1170	0810-0131000E GUARDRAIL TERMINALS, NON-FLARED, TEST LEVEL 2	2.00 EACH		
1180	0840-0102000E DELINEATORS, TYPE 2	14.00 EACH		
1190	0840-0104100E DELINEATORS, TYPE 4 ALTERNATE 1	6.00 EACH		
1200	0840-0106000E MILEPOST MARKER POSTS	7.00 EACH		
1210	0855-0107000E BI-DIRECTIONAL YELLOW TYPE 1AR MARKERS, RECESSED	180.00 EACH		
1220	0860-0200000F LONGITUDINAL PAVEMENT MARKINGS - PAINT	6,300.00 FOOT		

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ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
1230	0865-0107000F THERMOPLASTIC, NON-PROFILE, 120 MILS, EXTRUDED	20,700.00 FOOT		
1240	0867-0103000E PAVEMENT LEGEND, TYPE B: ARROWS	4.00 EACH		
1250	0867-0131000E PAVEMENT LEGEND, TYPE B-HS: BICYCLE LANE STENCIL	9.00 EACH		
1260	0867-0145000J PAVEMENT BAR, TYPE B	490.00 SQFT		

SECTION 0008 PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS

1270	0905-0100000A REMOVE EXISTING SIGNS	ALL LS		
1280	0910-0100000K WOOD SIGN POSTS	1,326.00 FBM		
1290	0940-0107000J TYPE "C" SIGNS IN PLACE	24.00 SQFT		
1300	0940-0113000J TYPE "G" SIGNS IN PLACE	163.40 SQFT		
1310	0940-0121000J TYPE "R" SIGNS IN PLACE	36.00 SQFT		
1320	0940-0124000J TYPE "W1" SIGNS IN PLACE	136.70 SQFT		
1330	0940-0134000J TYPE "Y1" SIGNS IN PLACE	51.00 SQFT		

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1340	0940-0137000J TYPE "Y4" SIGNS IN PLACE	9.00 SQFT		
1350	0940-0142000J TYPE "YGW" SIGNS IN PLACE	64.00 SQFT		
1360	0990-0106000A FLASHING BEACON INSTALLATION	ALL LS		

SECTION 0009 RIGHT-OF-WAY DEVELOPMENT AND CONTROL

1370	0280-0105000J EROSION CONTROL MATTING, SLOPE	4,970.00 SQYD		
1380	1030-0101000R WEED CONTROL	2.10 ACRE		
1390	1030-0109000R PERMANENT SEEDING, MIX NO. 1	0.48 ACRE		
1400	1030-0110000R PERMANENT SEEDING, MIX NO. 2	0.39 ACRE		
1410	1030-0111000R PERMANENT SEEDING, MIX NO. 3	0.57 ACRE		
1420	1030-0112000R PERMANENT SEEDING, MIX NO. 4	0.20 ACRE		
1430	1030-0118000R WATER QUALITY	0.41 ACRE		
1440	1040-0100000E SOIL TESTING	1.00 EACH		
1450	1040-0101000K TOPSOIL	40.00 CUYD		

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1460	1040-0112000E CONIFER TREES, 4 FT HEIGHT	EACH	49.00	
1470	1040-0124000E DECIDUOUS TREES, 1/2 INCH CALIPER	EACH	66.00	
1480	1040-0126000E DECIDUOUS TREES, 1 INCH CALIPER	EACH	2.00	
1490	1040-0137000E DECIDUOUS TREES, SPECIMEN	EACH	1.00	
1500	1040-0153000E SHRUBS, NO. 1 CONTAINER	EACH	740.00	
1510	1040-0155000E SHRUBS, NO. 3 CONTAINER	EACH	12.00	
1520	1040-0179000E PLANT CUTTINGS, SMALL	EACH	1,400.00	
1530	1040-0180000E PLANT CUTTINGS, LARGE	EACH	57.00	
1540	1040-0190000K COMPOST	CUYD	585.00	
1550	1040-0202000E WOODY COURSE DEBRIS	EACH	5.00	
1560	1040-0203000M BOULDERS	TON	145.00	
1570	1040-0208000J WEED CONTROL GEOTEXTILE	SQFT	2,700.00	
1580	1050-0111000E 16 FOOT SINGLE GATES	EACH	2.00	

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1590	1050-0129000F CL-4R CHAIN-LINK FENCE	243.00 FOOT		
1600	1050-0181000F CL-6R CHAIN-LINK FENCE WITH REDWOOD PICKETS	130.00 FOOT		
1610	1050-0208000E 16 FOOT X 96 INCH CHAIN-LINK DOUBLE GATES	1.00 EACH		
1620	1070-0100000E SINGLE MAILBOX SUPPORTS	3.00 EACH		
1630	1070-0101000E MULTIPLE MAILBOX SUPPORTS	3.00 EACH		
1640	1070-0102000E MAILBOX CONCRETE COLLARS	6.00 EACH		
1650	1092-0100000A WATER QUALITY SWALE	ALL LS		

SECTION 0010 MULINO WATER DISTRICT

1660	0445-9Z90000E CRADLES/SPACERS	14.00 EACH		
1670	0445-9Z90000E END SEALS	4.00 EACH		
1680	0445-9Z90000E PIPE HANGERS	29.00 EACH		
1690	1140-0113000F 8 INCH DUCTILE IRON POTABLE WATER PIPE WITH CLASS B BACKFILL	941.00 FOOT		
1700	1140-0195000E BLOWOFF ASSEMBLY, 2 INCH	7.00 EACH		

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1710	1140-9Z90000E 2 INCH RW GATE VALVE	EACH 1.00		
1720	1140-9Z90000E 4 INCH TAPPING VALVE	EACH 1.00		
1730	1140-9Z90000E 6 INCH MEGALUG TYPE DI COUPLING	EACH 3.00		
1740	1140-9Z90000E 6 INCH MEGALUG TYPE PVC COUPLING	EACH 4.00		
1750	1140-9Z90000E 6 INCH SLEEVE	EACH 1.00		
1760	1140-9Z90000E 6 INCH TAPPING VAVLVE	EACH 3.00		
1770	1140-9Z90000E 8 INCH 11 DEGREE BEND FITTING	EACH 3.00		
1780	1140-9Z90000E 8 INCH 22 DEGREE BEND FITTING	EACH 17.00		
1790	1140-9Z90000E 8 INCH 22 DEGREE BEND FITTING (FLG X MJ)	EACH 1.00		
1800	1140-9Z90000E 8 INCH 22 DEGREE BEND FITTING (MJ X MJ)	EACH 1.00		
1810	1140-9Z90000E 8 INCH 45 DEGREE BEND FITTING	EACH 4.00		
1820	1140-9Z90000E 8 INCH GATE VALVE (FLG)	EACH 9.00		
1830	1140-9Z90000E 8 INCH GATE VALVE (MJ X FLG)	EACH 5.00		

BID SCHEDULE

CONTRACT ID: 14146

PROJECT: OR213:CASCADE HWY SOUTH (MILK CR
BR) MULINO ROAD

PROJECT KEY: 13723

ADDENDUM NUMBER: 1

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
1840	1140-9Z90000E 8 INCH MEGALUG TYPE DI COUPLING	EACH 34.00		
1850	1140-9Z90000E 8 INCH MEGALUG TYPE PVC COUPLING	EACH 32.00		
1860	1140-9Z90000E 8 INCH SLEEVE	EACH 4.00		
1870	1140-9Z90000E 8 INCH TAPPING VALVE	EACH 2.00		
1880	1140-9Z90000E 8 INCH TEE FITTING (FLG)	EACH 1.00		
1890	1140-9Z90000E 8 INCH TEE FITTING (MG X FLG)	EACH 1.00		
1900	1140-9Z90000E 8 INCH TEE FITTING (MJ)	EACH 2.00		
1910	1140-9Z90000E 8 INCH X 4 INCH MJ REDUCER	EACH 2.00		
1920	1140-9Z90000E 8 INCH X 6 INCH MJ REDUCER	EACH 2.00		
1930	1140-9Z90000E 8 INCH X 6 INCH TEE FITTING (MJ X FLG)	EACH 3.00		
1940	1140-9Z90000E REMOVE 8 INCH TAPPING VALVE	EACH 1.00		
1950	1140-9Z90000F C900 PVC 8 INCH POTABLE WATER PIPE WITH CLASS A BACKFILL	FOOT 1,441.00		

BID SCHEDULE

CONTRACT ID: 14146

PROJECT: OR213: CASCADE HWY SOUTH (MILK CR BR) MULINO ROAD

PROJECT KEY: 13723

ADDENDUM NUMBER: 1

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
1960	1140-9Z90000F C900 PVC 8 INCH POTABLE WATER PIPE WITH CLASS B BACKFILL	FOOT	580.00	
1970	1140-9Z90000F C900 PVC 8 INCH POTABLE WATER PIPE WITH CLASS E BACKFILL	FOOT	2.00	
1980	1140-9Z90000F HDPE 8 INCH DIAMETER POTABLE WATER PIPE WITH CLASS A BACKFILL	FOOT	97.00	
1990	1140-9Z90000F HDPE 8 INCH DIAMETER POTABLE WATER PIPE WITH CLASS E BACKFILL	FOOT	63.00	
2000	1140-9Z90000F HDPE 8 INCH DIAMETER POTABLE WATER PIPE WITHOUT BACKFILL	FOOT	170.00	
2010	1140-9Z90000F INSTALL 8 INCH POTABLE WATER PIPE WITH CLASS A BACKFILL	FOOT	1,000.00	
2020	1150-0213000E 2 INCH COMBINATION AIR RELEASE/AIR VACUUM VALVE ASSEMBLY, NEW	EACH	2.00	
2030	1150-0213000E 2 INCH COMBINATION AIR RELEASE/AIR VACUUM VALVE ASSEMBLY, USED	EACH	1.00	
2040	1160-0100000E HYDRANT ASSEMBLIES	EACH	2.00	
2050	1160-0102000E MOVING EXISTING HYDRANTS	EACH	1.00	
2060	1170-0100000E 3/4 INCH WATER SERVICE CONNECTIONS	EACH	25.00	

BID SCHEDULE

CONTRACT ID: 14146

PROJECT: OR213:CASCADE HWY SOUTH (MILK CR
BR) MULINO ROAD

PROJECT KEY: 13723

ADDENDUM NUMBER: 1

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
2070	1170-0101000E 1 INCH WATER SERVICE CONNECTIONS	EACH 1.00		
2080	1170-0103000E 2 INCH WATER SERVICE CONNECTIONS	EACH 2.00		

SECTION 0011 ADDED BID ITEMS

2090	0225-0169000E TRAFFIC CONTROL SUPERVISOR	EACH 100.00		
	TOTAL BID			

**OR213: Cascade Hwy S (Milk Cr Br) Mulino Section
Grading, Drainage, Structure, Paving and Signing**

TABLE OF CONTENTS FOR SPECIAL PROVISIONS

REQUIRED CONTRACT PROVISIONS FOR FEDERAL-AID CONTRACTS (FHWA-1273)
ON-SITE WORKFORCE AFFIRMATIVE ACTION REQUIREMENTS FOR WOMEN AND
MINORITIES ON FEDERAL-AID CONTRACTS
EQUAL EMPLOYMENT OPPORTUNITY PROVISIONS
EQUAL EMPLOYMENT OPPORTUNITY-ASPIRATIONAL TARGET
DBE AND MWESB PROVISIONS
ASSIGNED CONTRACT GOAL AND TARGET
REIMBURSABLE FEDERAL ON-THE-JOB AND APPRENTICESHIP TRAINING
PROJECT WAGE RATES
WEB SITE ADDRESSES
WORK TO BE DONE..... 1
SECTION 00110 - ORGANIZATION, CONVENTIONS, ABBREVIATIONS AND
DEFINITIONS 2
SECTION 00120 - BIDDING REQUIREMENTS AND PROCEDURES 2
SECTION 00130 - AWARD AND EXECUTION OF CONTRACT 2
SECTION 00140 - SCOPE OF WORK..... 2
SECTION 00150 - CONTROL OF WORK..... 3
SECTION 00160 - SOURCE OF MATERIALS 4
SECTION 00165 - QUALITY OF MATERIALS 5
SECTION 00170 - LEGAL RELATIONS AND RESPONSIBILITIES 5
SECTION 00180 - PROSECUTION AND PROGRESS 7
SECTION 00190 - MEASUREMENT OF PAY QUANTITIES 10
SECTION 00195 - PAYMENT 10
SECTION 00196 - PAYMENT FOR EXTRA WORK 13
SECTION 00197 - PAYMENT FOR FORCE ACCOUNT WORK 13
SECTION 00199 - DISAGREEMENTS, PROTESTS, AND CLAIMS 14
SECTION 00210 - MOBILIZATION 15
SECTION 00220 - ACCOMMODATIONS FOR PUBLIC TRAFFIC 15
SECTION 00225 - WORK ZONE TRAFFIC CONTROL 17
SECTION 00280 - EROSION AND SEDIMENT CONTROL 20
SECTION 00290 - ENVIRONMENTAL PROTECTION 22
SECTION 00297 - REMOVAL AND DISPOSAL OF PAINTED METAL
GUARDRAIL 32
SECTION 00298 - ASBESTOS-CONTAINING MATERIALS 34
SECTION 00305 - CONSTRUCTION SURVEY WORK 36
SECTION 00310 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS 55
SECTION 00320 - CLEARING AND GRUBBING 56
SECTION 00330 - EARTHWORK 57
SECTION 00331 - SUBGRADE STABILIZATION 58
SECTION 00340 - WATERING 58
SECTION 00350 - GEOSYNTHETIC INSTALLATION 58
SECTION 00390 - RIPRAP PROTECTION 59
SECTION 00360 - DRAINAGE BLANKETS 59
SECTION 00395 - RIPRAP BASIN 59
SECTION 00405 - TRENCH EXCAVATION, BEDDING, AND BACKFILL 61
SECTION 00440 - COMMERCIAL GRADE CONCRETE 61
SECTION 00442 - CONTROLLED LOW STRENGTH MATERIALS 61

**OR213: Cascade Hwy S (Milk Cr Br) Mulino Section
Grading, Drainage, Structure, Paving and Signing**

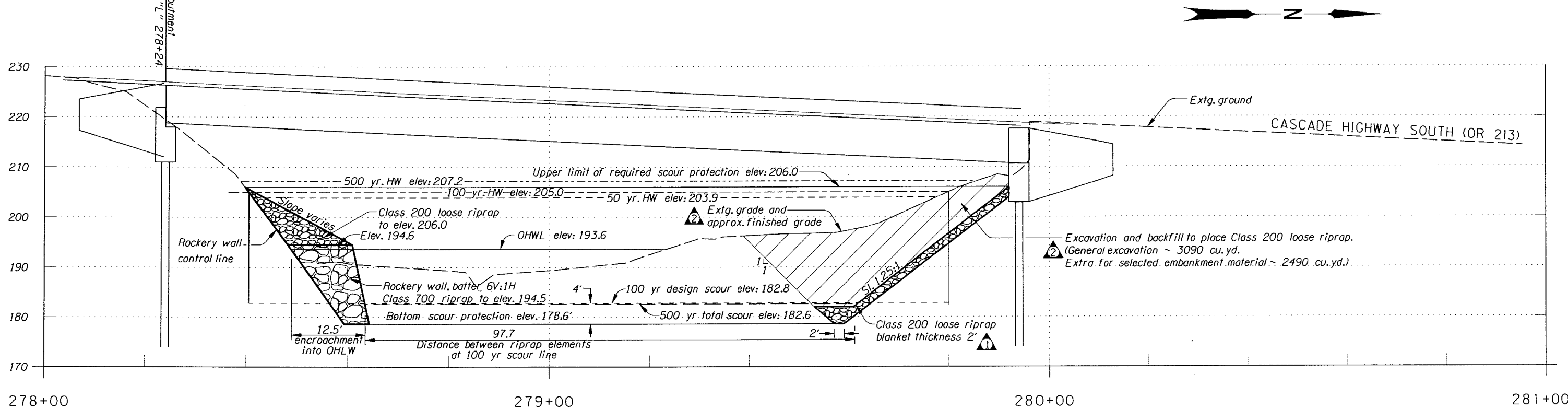
SECTION 00445 - SANITARY, STORM, CULVERT, SIPHON, AND IRRIGATION PIPE	61
SECTION 00470 - MANHOLES, CATCH BASINS, AND INLETS	61
SECTION 00480 - DRAINAGE CURBS	61
SECTION 00490 - WORK ON EXISTING SEWERS AND STRUCTURES	61
SECTION 00495 - TRENCH RESURFACING	62
SECTION 00501 - BRIDGE REMOVAL	63
SECTION 00510 - STRUCTURE EXCAVATION AND BACKFILL	63
SECTION 00512 - DRILLED SHAFTS	71
SECTION 00530 - STEEL REINFORCEMENT FOR CONCRETE	72
SECTION 00535 - RESIN BONDED ANCHOR SYSTEMS	72
SECTION 00540 - STRUCTURAL CONCRETE	72
SECTION 00542 - ARCHITECTURAL/FASCIA TREATMENT	82
SECTION 00545 - REINFORCED CONCRETE BRIDGE END PANELS	84
SECTION 00550 - PRECAST PRESTRESSED CONCRETE MEMBERS	84
SECTION 00585 - EXPANSION JOINTS	84
SECTION 00587 - BRIDGE RAILS	85
SECTION 00589 - UTILITY ATTACHMENTS ON STRUCTURES	86
SECTION 00596 - RETAINING WALLS	88
SECTION 00610 - RECONDITIONING EXISTING ROADWAY	89
SECTION 00620 - COLD PLANE PAVEMENT REMOVAL	89
SECTION 00641 - AGGREGATE SUBBASE, BASE, AND SHOULDERS	89
SECTION 00730 - EMULSIFIED ASPHALT TACK COAT	90
SECTION 00745 - HOT MIXED ASPHALT CONCRETE (HMAC)	90
SECTION 00748 - ASPHALT CONCRETE PAVEMENT REPAIR	95
SECTION 00749 - MISCELLANEOUS ASPHALT CONCRETE STRUCTURES	95
SECTION 00759 - MISCELLANEOUS PORTLAND CEMENT CONCRETE STRUCTURES	95
SECTION 00810 - METAL GUARDRAIL	96
SECTION 00820 - CONCRETE BARRIER	96
SECTION 00840 - DELINEATORS AND MILEPOST MARKER POSTS	96
SECTION 00850 - COMMON PROVISIONS FOR PAVEMENT MARKINGS	96
SECTION 00855 - PAVEMENT MARKERS	97
SECTION 00860 - LONGITUDINAL PAVEMENT MARKINGS - PAINT	97
SECTION 00865 - LONGITUDINAL PAVEMENT MARKINGS - DURABLE	98
SECTION 00867 - TRANSVERSE PAVEMENT MARKINGS - LEGENDS AND BARS	98
SECTION 00905 - REMOVAL AND REINSTALLATION OF EXISTING SIGNS	99
SECTION 00910 - WOOD SIGN POSTS	99
SECTION 00940 - SIGNS	99
SECTION 00950 - REMOVAL OF ELECTRICAL SYSTEMS	99
SECTION 00960 - COMMON PROVISIONS FOR ELECTRICAL SYSTEMS	99
SECTION 00962 - METAL ILLUMINATION AND TRAFFIC SIGNAL SUPPORTS	99
SECTION 00990 - TRAFFIC SIGNALS	100
SECTION 01030 - SEEDING	101
SECTION 01040 - PLANTING	105
SECTION 01050 - FENCES	112
SECTION 01070 - MAILBOX SUPPORTS	112
SECTION 01092 - STORMWATER CONTROL FACILITIES	113
SECTION 02110 - POSTS, BLOCKS, AND BRACES	116
SECTION 02450 - MANHOLE AND INLET MATERIALS	116

**OR213: Cascade Hwy S (Milk Cr Br) Mulino Section
Grading, Drainage, Structure, Paving and Signing**

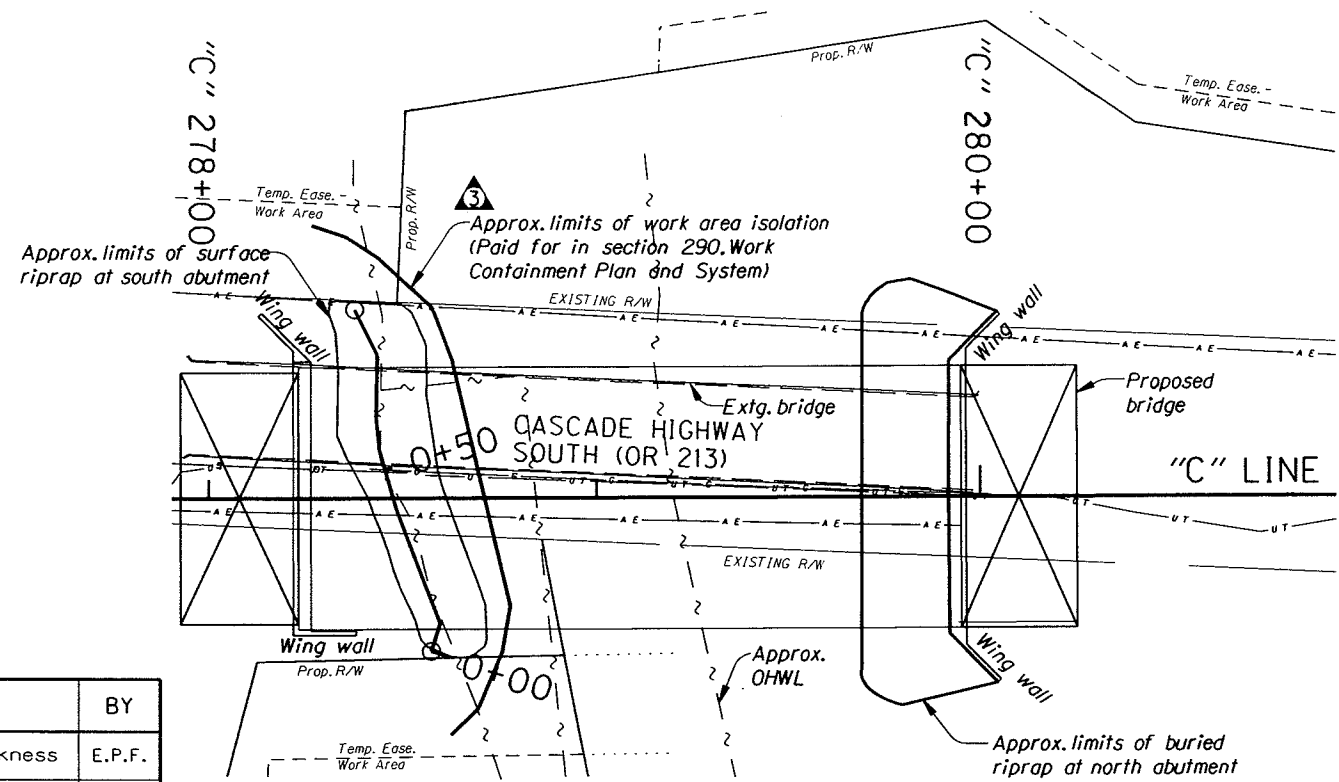
SECTION 02630 - BASE AGGREGATE	116
SECTION 02920 - COMMON ELECTRICAL MATERIALS.....	116
SECTION 02925 - TRAFFIC SIGNAL MATERIALS.....	117
SECTION 00406 - TUNNELING, BORING, AND JACKING.....	119
SECTION 01140 - POTABLE WATER PIPE AND FITTINGS	120
SECTION 01150 - POTABLE WATER VALVES	121
SECTION 01160 - HYDRANTS AND APPURTENANCES.....	122
SECTION 01170 - POTABLE WATER SERVICE CONNECTIONS, 2 INCH AND SMALLER.....	122
BID SCHEDULE	

OR213: MILK CREEK BRIDGE SCOUR PROTECTION

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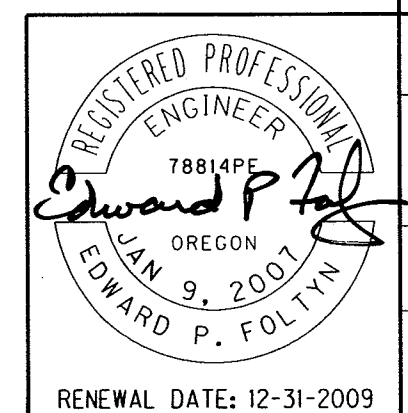


PROFILE
Scale: 1" = 20'



PLAN
Scale: 1" = 20'

No.	DATE	REVISIONS	BY
①	11-06-09	Modified note for proper thickness	E.P.F.
②	11-06-09	Added notes	E.P.F.
③	11-12-09	Added note for riprap work isolation	E.P.F.



OREGON DEPARTMENT OF TRANSPORTATION

REGION 1 - Geo/Hydro/HazMat Unit

OR213: CASCADE HWY S. (MILK CR BR) MULINO SEC.
CASCADE HIGHWAY SOUTH
CLACKAMAS COUNTY

Reviewed By - Bruce Council
Designed By - Ed Foltyn
Drafted By - Charlotte Gerken

**BRIDGE SCOUR
COUNTERMEASURE**

SHEET NO.
GH