



Oregon

Theodore R. Kulongoski, Governor

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Roadway Engineering Section
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DATE: May 15, 2009

Addenda No. 3

TO: PLAN HOLDERS

PREPARED BY: 
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Senior Specifications Writer

APPROVED BY: 
Floyd Harrington, P.E.
Roadway Unit Manager

SUBJECT: I-205: Glenn Jackson#09555 & Geo Abernethy#9403 Brs Project
East Portland Freeway
Multnomah, Clackamas, & Clark Counties
Structures Project
(Bids to be opened and read May 21, 2009)

The following changes are made to the Project Bid Booklet:

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

<u>Number</u>	<u>Item</u>	<u>Unit</u>	<u>Quantity</u>
0850	Tow Trucks	HOUR	550.00

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. Bidder's Booklet Cover - Replace "May 14, 2009" with May 21, 2009".
2. DESCRIPTION OF WORK page for the Bidder's Booklet - In the paragraph under TIME AND PLACE OF RECEIVING BIDS replace "14th" with "21st".
3. Special Provisions Booklet Cover - Replace "May 14, 2009" with May 21, 2009".
4. DESCRIPTION OF WORK page for the Special Provision - In the paragraph under TIME AND PLACE OF RECEIVING BIDS replace "14th" with "21st".

5. Subsection **00540.11 Classes of Concrete** - In the sentence which begins "All classes shall be at 100% of strength when traffic resumes.", replace "100%" with "75%".
6. Subsection **00557.12(d) Aggregate** - Replace the table showing percent passing sieve size with the following:

Sieve Size	Percent Passing
3/8" - 0	100
No. 16	29 - 50
No. 30	16 - 36
No. 50	5 - 20
No. 100	0 - 7
No. 200	0 - 3

7. Subsection **00557.16(b) Required Properties and Tolerances** - In Table 557 - 3, in the row that begins "Compressive Strength for Traffic", change the minimum requirements to read "2,000 psi prior to opening to traffic". In the row that begins "Modulus of Elasticity at 7 day (Min)", replace "2,000 ksi Minimum" with "1,500 ksi Minimum".
8. Subsection **00557.16(c) Modulus of Elasticity** - Replace this subsection with the following:

(c) Modulus of Elasticity – For the Glenn Jackson Bridge, cast and cure two sets of three 2" x 2" x 2" PPC specimens from laboratory-prepared sample mix for each 5 joints placed on the project according to AASHTO T 106 (minimum of one set per shift). For George Abernethy, cast and cure two sets per 25 yd³, with a minimum of one set per shift. Test one set according to ASTM C 649 to determine modulus of elasticity at 24±1/2 hours. Test the second set according to ASTM C 469 to determine modulus of elasticity at 7 days. Provide certificate of the results to the Engineer.

Do not allow traffic and equipment on the PPC overlay until the overlay has reached a minimum compressive strength of 2,000 psi as verified by the rebound number determined according to ASTM 805.

9. Subsection **00557.16(e) Bond Strength** - Add the following sentence to the beginning of this subsection.

These requirements do not apply to the Glenn Jackson structure.

10. Subsection **00557.24 Mixing Equipment** - Add the following sentence to the end of this subsection:

Alternate mixing equipment and methods may be used with permission of the Engineer.

11. Subsection **00557.91 Incidental Basis** - Replace the bullet that reads "Plugging bridge deck drains" with the following:

- Temporary blocking of bridge deck drains

12. Subsection **00585.90 Payment** - Add the following before the sentence beginning "Item (g)...":

Payment for item (c) also includes payment for the work of installing the steel dam, including all materials, labor and equipment necessary to complete the work as shown or directed.

The following changes are made to the Project Plans:

1. Plan sheet 80664 is replaced with revised plan sheet 80664.

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.

FH:MS

Attachments: New Bid Sheets
Revised Plan Sheet

BID SCHEDULE

CONTRACT ID: 14030

PROJECT: I-205:GLENN JACKSON#09555 & GEO
ABERNETHY#9403 BR

PROJECT KEY: 14833

ADDENDUM NUMBER: 3

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	3,300.00 HOUR	20.00	66000.00
0020	0210-0100000A MOBILIZATION	ALL LS		

SECTION 0002 TEMPORARY FEATURES AND APPURTENANCES - GLENN JACKSON

0030	0225-0100000A TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	ALL LS		
0040	0225-0102000J TEMPORARY SIGNS	2,080.00 SQFT		
0050	0225-0104000E TEMPORARY BARRICADES, TYPE II	1.00 EACH		
0060	0225-0105000E TEMPORARY BARRICADES, TYPE III	40.00 EACH		
0070	0225-0126000F TEMPORARY CONCRETE BARRIER, REFLECTORIZED	1,000.00 FOOT		
0080	0225-0132000F MOVING TEMPORARY CONCRETE BARRIER	14,050.00 FOOT		
0090	0225-0133000E TEMPORARY IMPACT ATTENUATOR, SAND MODULE	2.00 EACH		
0100	0225-0136000E MOVING TEMPORARY IMPACT ATTENUATORS	22.00 EACH		
0110	0225-0138000E TEMPORARY IMPACT ATTENUATOR, TRUCK MOUNTED	2.00 EACH		

BID SCHEDULE

CONTRACT ID: 14030

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ADDENDUM NUMBER: 3

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0120	0225-0141200E REPAIR TEMPORARY IMPACT ATTENUATOR	EACH 10.00		
0130	0225-0141400E REPAIR TEMPORARY IMPACT ATTENUATOR, TRUCK MOUNTED	EACH 4.00		
0140	0225-0145000E TEMPORARY PLASTIC DRUMS	EACH 358.00		
0150	0225-0150000F TEMPORARY REMOVABLE TAPE	FOOT 78,000.00		
0160	0225-0152000F TEMPORARY NON-REFLECTIVE TAPE	FOOT 49,000.00		
0170	0225-0162000E SEQUENTIAL ARROW SIGNS	EACH 3.00		
0180	0225-0164000E PORTABLE CHANGEABLE MESSAGE SIGNS	EACH 6.00		
0190	0225-0168000T FLAGGERS	HOUR 880.00		
0200	0225-0169000E TRAFFIC CONTROL SUPERVISOR	EACH 70.00		
0210	0225-0172000T PILOT CARS	HOUR 880.00		
0220	0280-0100000A EROSION CONTROL	LS ALL		
0230	0290-0100000A POLLUTION CONTROL PLAN	LS ALL		
0240	0290-0102000A WORK CONTAINMENT PLAN AND SYSTEM	LS ALL		

BID SCHEDULE

CONTRACT ID: 14030

PROJECT: I-205:GLENN JACKSON#09555 & GEO
ABERNETHY#9403 BR

PROJECT KEY: 14833

ADDENDUM NUMBER: 3

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0250	1050-0128000F CL-4 MODIFIED CHAIN-LINK FENCE	60.00 FOOT		

SECTION 0003 TEMPORARY FEATURES AND APPURTENANCES - GEORGE ABERNETHY

0260	0225-0100000A TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	ALL LS		
0270	0225-0102000J TEMPORARY SIGNS	1,400.00 SQFT		
0280	0225-0105000E TEMPORARY BARRICADES, TYPE III	29.00 EACH		
0290	0225-0126000F TEMPORARY CONCRETE BARRIER, REFLECTORIZED	1,230.00 FOOT		
0300	0225-0132000F MOVING TEMPORARY CONCRETE BARRIER	7,275.00 FOOT		
0310	0225-0133000E TEMPORARY IMPACT ATTENUATOR, SAND MODULE	1.00 EACH		
0320	0225-0136000E MOVING TEMPORARY IMPACT ATTENUATORS	7.00 EACH		
0330	0225-0138000E TEMPORARY IMPACT ATTENUATOR, TRUCK MOUNTED	1.00 EACH		
0340	0225-0141200E REPAIR TEMPORARY IMPACT ATTENUATOR	10.00 EACH		
0350	0225-0141400E REPAIR TEMPORARY IMPACT ATTENUATOR, TRUCK MOUNTED	2.00 EACH		
0360	0225-0145000E TEMPORARY PLASTIC DRUMS	367.00 EACH		

BID SCHEDULE

CONTRACT ID: 14030

PROJECT: I-205:GLENN JACKSON#09555 & GEO
ABERNETHY#9403 BR

PROJECT KEY: 14833

ADDENDUM NUMBER: 3

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0370	0225-0150000F TEMPORARY REMOVABLE TAPE	20,500.00 FOOT		
0380	0225-0152000F TEMPORARY NON-REFLECTIVE TAPE	500.00 FOOT		
0390	0225-0162000E SEQUENTIAL ARROW SIGNS	2.00 EACH		
0400	0225-0164000E PORTABLE CHANGEABLE MESSAGE SIGNS	6.00 EACH		
0410	0225-0168000T FLAGGERS	350.00 HOUR		
0420	0225-0169000E TRAFFIC CONTROL SUPERVISOR	42.00 EACH		
0430	0225-0172000T PILOT CARS	350.00 HOUR		
0440	0280-0100000A EROSION CONTROL	ALL LS		
0450	0280-0114000E INLET PROTECTION	8.00 EACH		
0460	0280-0114000E INLET PLUG	41.00 EACH		
0470	0290-0100000A POLLUTION CONTROL PLAN	ALL LS		
0480	0290-0102000A WORK CONTAINMENT PLAN AND SYSTEM	ALL LS		

SECTION 0004 ROADWORK - GEORGE ABERNETHY

BID SCHEDULE

CONTRACT ID: 14030

PROJECT: I-205:GLENN JACKSON#09555 & GEO
ABERNATHY#9403 BR

PROJECT KEY: 14833

ADDENDUM NUMBER: 3

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0490	0305-0100000A CONSTRUCTION SURVEY WORK	LS ALL		
0500	0310-0113000A REMOVAL OF GUARDRAIL	LS ALL		

SECTION 0005 ROADWORK - GLENN JACKSON

0510	0305-0100000A CONSTRUCTION SURVEY WORK	LS ALL		
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SECTION 0006 GEORGE ABERNATHY BRIDGE

0520	0501-0100000A BRIDGE REMOVAL WORK	LS ALL		
0530	0530-0100000A REINFORCEMENT	LS ALL		
0540	0540-0307000A DECK CONCRETE, CLASS 4000 (HIGH EARLY)	LS ALL		
0550	0540-9Z90000K FURNISH POLYESTER POLYMER CONCRETE	CUYD 1,400.00		
0560	0558-0102000J CLASS 2 PREPARATION	SQYD 1,000.00		
0570	0558-9Z90000J CONSTRUCT POLYESTER POLYMER CONCRETE OVERLAY	SQYD 32,066.00		
0580	0581-9Z90000E ADJUST DECK DRAINS	EACH 31.00		
0590	0584-0100000F ELASTOMERIC CONCRETE NOSING	FOOT 390.00		

BID SCHEDULE

CONTRACT ID: 14030

PROJECT: I-205:GLENN JACKSON#09555 & GEO
ABERNETHY#9403 BR

PROJECT KEY: 14833

ADDENDUM NUMBER: 3

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0600	0585-0106000A POURED JOINT SEALS	LS	ALL	
0610	0585-0114000A INSTALL PREFORMED ELASTOMERIC STRIP SEAL	LS	ALL	
0620	0585-9Z90000F REPLACE NEOPRENE GLAND	FOOT	96.00	

SECTION 0007 GLENN JACKSON BRIDGE

0630	0501-0100000A BRIDGE REMOVAL WORK	LS	ALL	
0640	0530-0100000A REINFORCEMENT	LS	ALL	
0650	0540-0203000A DECK CONCRETE, CLASS 4000 (HIGH/EARLY)	LS	ALL	
0660	0540-9Z90000K FURNISH POLYESTER POLYMER CONCRETE	CUYD	8.00	
0670	0558-9Z90000J CONSTRUCT POLYESTER POLYMER CONCRETE OVERLAY	SQYD	533.00	
0680	0585-0114000A PREFORMED ELASTOMERIC STRIP SEALS	LS	ALL	
0690	0585-0115000A TYPE "2" MODULAR EXPANSION JOINT SEALS	LS	ALL	
0700	0585-0116000A TYPE "3" MODULAR EXPANSION JOINT SEALS	LS	ALL	
0710	0585-0117000A TYPE "4" MODULAR EXPANSION JOINT SEALS	LS	ALL	

SECTION 0008 BASES - GEORGE ABERNETHY

BID SCHEDULE

CONTRACT ID: 14030

PROJECT: I-205:GLENN JACKSON#09555 & GEO
ABERNETHY#9403 BR

PROJECT KEY: 14833

ADDENDUM NUMBER: 3

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0720	0620-0111000J COLD PLANE PAVEMENT REMOVAL, 1 - 2 INCHES DEEP	SQYD	67.00	
0730	0620-9Z90000J DIAMOND GRIND CONCRETE PAVEMENT, 0 - 1/2 INCH DEEP	SQYD	1,800.00	

SECTION 0009 WEARING SURFACES - GEORGE ABERNETHY

0740	0745-0402000M LEVEL 4, 1/2 INCH DENSE HMAC	TON	160.00	
0750	0749-0100000E EXTRA FOR ASPHALT APPROACHES	EACH	2.00	
0760	0758-0202000J REINFORCED CONCRETE PAVEMENT REPAIR	SQYD	27.00	

SECTION 0010 PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES - GEO ABERNETHY

0770	0810-0104000F GUARDRAIL, TYPE 2A	FOOT	262.50	
0780	0810-0107000F GUARDRAIL, TYPE 3	FOOT	12.50	
0790	0810-0126000E GUARDRAIL TRANSITION	EACH	1.00	
0800	0810-0130000E GUARDRAIL TERMINALS, FLARED	EACH	2.00	
0810	0855-0100000E MONO-DIRECTIONAL WHITE TYPE 1 MARKERS	EACH	41.00	

BID SCHEDULE

CONTRACT ID: 14030

PROJECT: I-205:GLENN JACKSON#09555 & GEO
ABERNETHY#9403 BR

PROJECT KEY: 14833

ADDENDUM NUMBER: 3

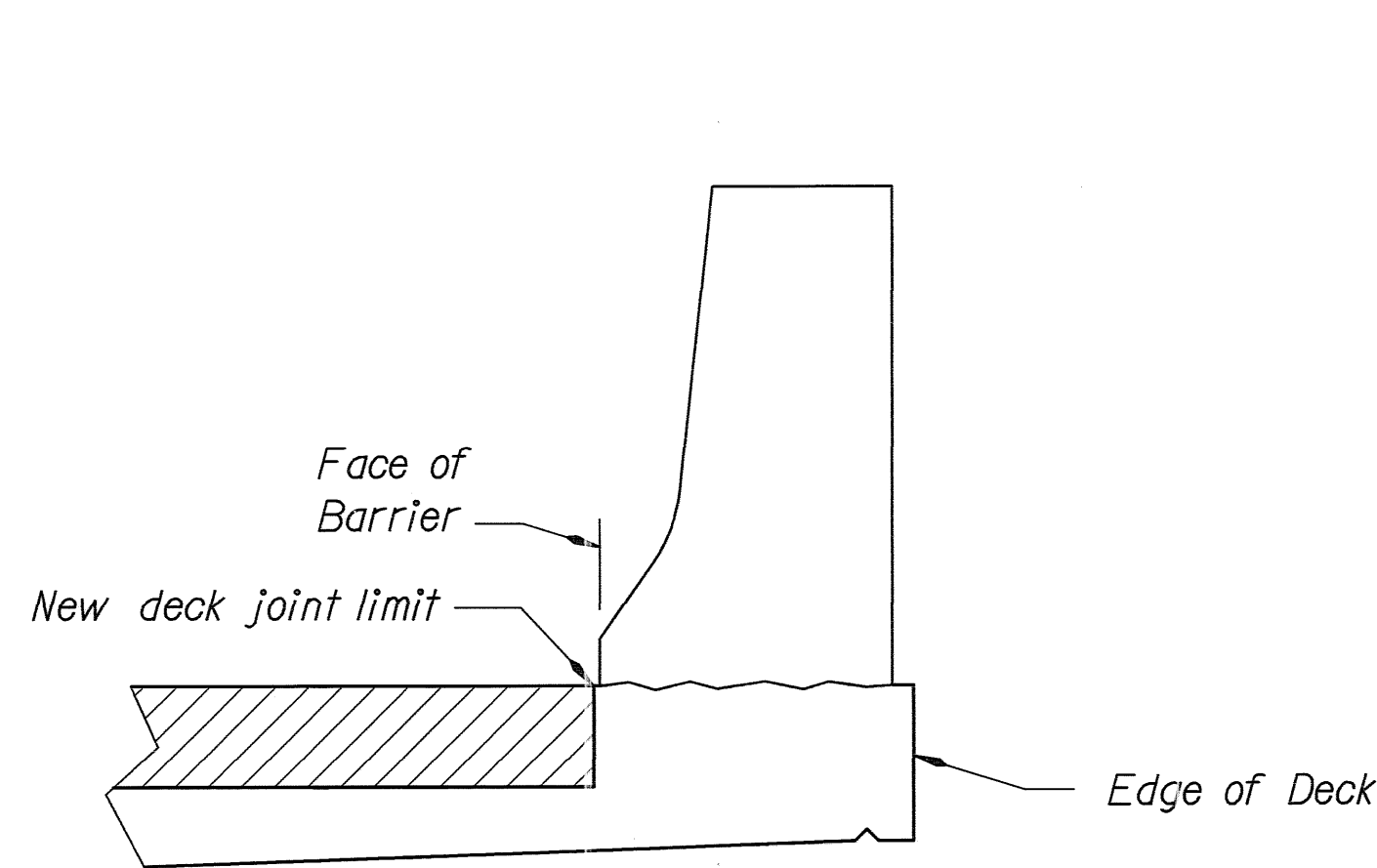
ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0820	0865-0107000F THERMOPLASTIC, NON-PROFILE, 120 MILS, EXTRUDED	12,500.00 FOOT		

SECTION 0011 PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES-GLENN JACKSON

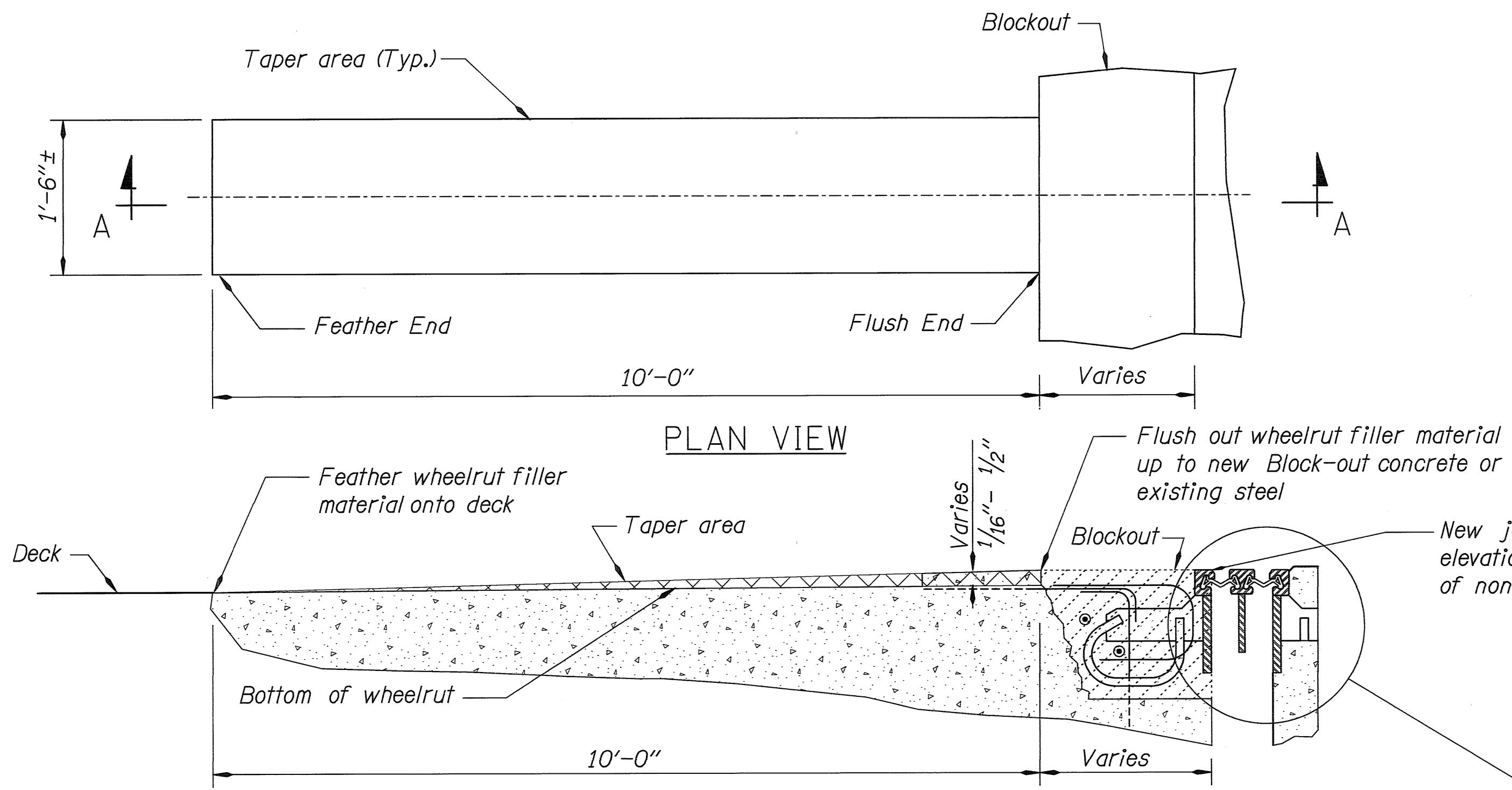
0830	0865-0107000F THERMOPLASTIC, NON-PROFILE, 120 MILS, EXTRUDED	9,100.00 FOOT		
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SECTION 0012 ADDED BID ITEMS

0840	0745-0640000M PG 70-22 ASPHALT IN HMAC	9.00 TON		
0850	0380-9Z90000T TOW TRUCKS	550.00 HOUR		
	TOTAL BID			



NEW DECK JOINT LIMIT
 (Up to but not on face of Barrier)
 No Scale



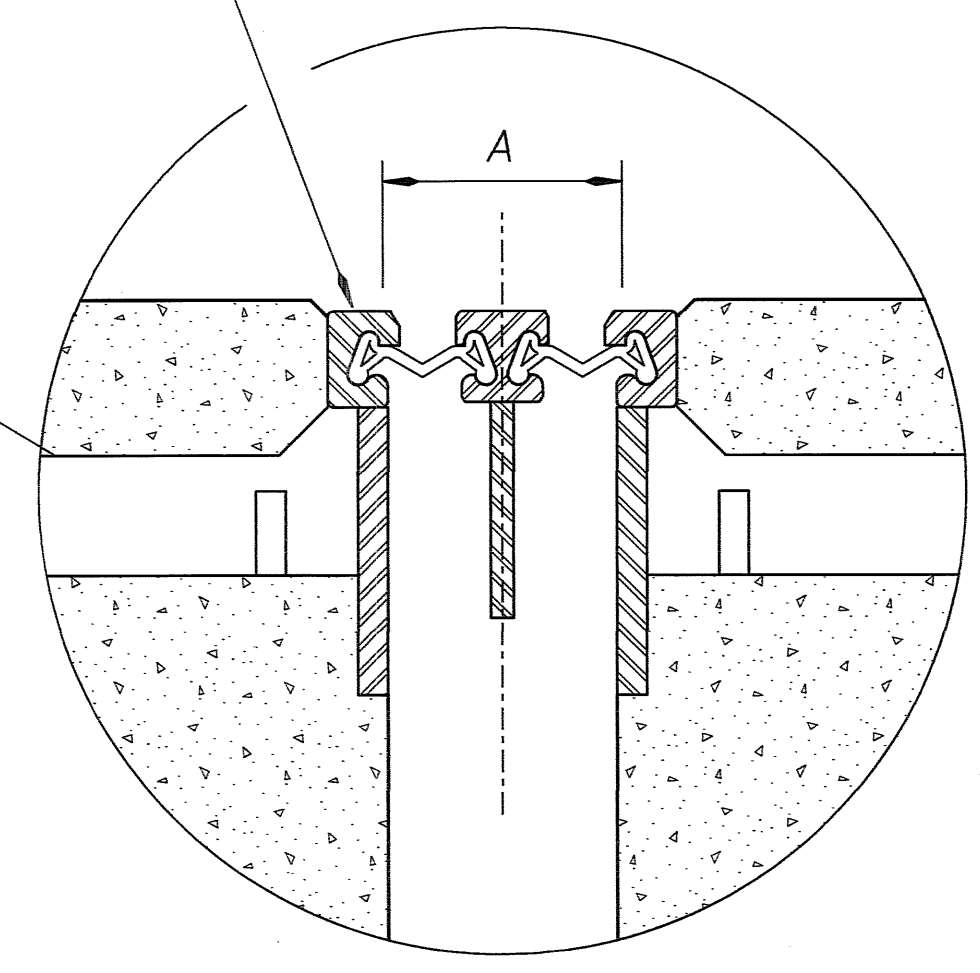
ELEVATION VIEW (SECTION A-A)

WHEELRUT: FILL DETAIL

(Typical both sides each Joint: Joints 2 thru 9 shown)
 No Scale

WHEELRUT REPAIR SEQUENCE (JOINTS 1 - 10):

1. See Special Provisions (00557: Polyester Polymer Concrete) for appropriate wheelrut filler material.
2. Install per manufacturers' instructions using approved aggregates. See Special Provisions (00557).
3. Feather/Flush out wheelrut filler material up to existing steel (Joints 1 & 10) and new block out concrete (Joints 2 thru 9), depth varies 1/16" - 1/2".



* Dimensions shown for roadway width are horizontal from face of barrier to face of barrier. Typical deck slope is ±0.02 ft/ft. Verify joint length in the field.

** Replace neoprene seal only.

*** 3" Measured gland size, Contractor to confirm size and manufacturer.

Note:
 Reinforcement locations shown are approximate. See "As-Builts." Electronically map deck and block-out regions as needed to find, preserve and protect existing, mild, post tensioning and tendon steel.

EXPANSION JOINT TABLE

	JOINT NO.	OLD GLANDS	NEW GLANDS	D1-ANCHOR	ANCHOR-TOP	ANCHOR-BOTTOM	TOP & BOTTOM BOX	* JOINT LENGTH	A @ 52° F	ADJUSTMENT PER 10° F	D2-BOX OVERHANG	D3-BOX GIRDER
NORTH BOUND	1	1	1***	N/A	N/A	N/A	N/A	97'	**	**	N/A	N/A
	2	2	2	11"	17"	11"	14"	80'	6 7/8"	1/4"	12"	13"
	3	2	2	11"	17"	11"	14"	75'	6 1/2"	9/16"	12"	13"
	4	5	4	11"	17"	11"	20"	68'	11 3/8"	3/4"	14"	14"
	5	6	4	11"	17"	11"	20"	68'	14 15/16"	3/4"	14"	14"
	6	4	4	11"	17"	11"	20"	68'	10 7/8"	13/16"	14"	14"
	7	3	3	11"	17"	11"	17"	68'	11 1/4"	9/16"	14"	14"
	8	3	3	11"	17"	11"	17"	68'	9 1/4"	9/16"	14"	14"
	9	2	2	11"	17"	11"	14"	68'	8 3/4"	1/4"	14"	14"
	10	1	1***	N/A	N/A	N/A	N/A	68'	**	**	N/A	N/A
SOUTH BOUND	1	1	1***	N/A	N/A	N/A	N/A	106'	**	**	N/A	N/A
	2	2	2	11"	17"	11"	14"	80'	7 1/8"	1/2"	12"	13"
	3	2	2	11"	17"	11"	14"	75'	7	9/16"	12"	13"
	4	5	3	11"	17"	11"	17"	68'	12 7/8"	13/16"	14"	14"
	5	6	4	11"	17"	11"	20"	68'	15 3/4"	1/8"	14"	14"
	6	4	3	11"	17"	11"	17"	68'	12 3/16"	5/8"	14"	14"
	7	3	3	11"	17"	11"	17"	68'	9 7/16"	3/8"	14"	14"
	8	3	3	11"	17"	11"	17"	68'	8 3/4"	3/16"	14"	14"
	9	2	2	11"	17"	11"	14"	68'	8 7/16"	1/16"	14"	14"
	10	1	1***	N/A	N/A	N/A	N/A	68'	**	**	N/A	N/A

DATE: 5-13-09	REVISION: Text Correction	BY: APS	DRAFTER: Tony Johnson			STRUCTURE NO. 09555	COLUMBIA RIVER N. CHANNEL, HWY 64 (GLENN JACKSON) BRIDGE I-205: GLENN JACKSON #09555 & GEO ABERNETHY #9403 BRS PROJECT E. PORTLAND HWY, M.P. 26.58 CLARK & MULTNOMAH COUNTIES	SHEET 3 OF 5
			DESIGNER: Terry Faris			DATE: March - 2009		DRAWING NO. 80664
			CHECKER: Nowzar Ardalan			CALC. BOOK: 6071		
			REVIEWER: Antony P. Stratis			 REGION 1 BRIDGE ENGINEERING 123 NW FLANDERS STREET PORTLAND, OR 97209 (503) 731-8200		JOINT DETAILS