OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

ADDENDUM NO. 2

CONTRACT NO. 43-14-08

BRIDGE DECK REPAIR AND REHABILITATION OHIO TURNPIKE OVER NORFOLK SOUTHERN RAILROAD M.P. 147.9 LORAIN COUNTY, OHIO

OPENING DATE: 2:00 P.M. (E.D.T.), JULY 3, 2014

ATTENTION OF BIDDERS IS DIRECTED TO:

ANSWERS TO QUESTIONS RECEIVED THROUGH 12:00 P.M. JUNE 30, 2014

MODIFICATIONS TO THE CONTRACT DOCUMENTS **PLAN DRAWINGS:** SHEETS 3, 7, AND 11 OF 12

> **BID FORM:** Pages OTC-BF-2 and OTC-BF-3

SPECIAL PROVISIONS: Table of Contents Pages SP-154 and SP-155

Issued by the Ohio Turnpike and Infrastructure Commission on June 30, 2014. Issuance authorized by Robin Carlin, Deputy Executive Director, and Tommie Jo Marsilio, Director, Contracts Administration.

GISILO Tommie Jo Marsilio

bin Carlin

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION ADDENDUM NO. 2 CONTRACT NO. 43-14-08

ANSWERS TO QUESTIONS RECEIVED THROUGH 12:00 P.M., JUNE 30, 2014

- Q#1 Please clarify if the intent is to perform Hydro Demolition and the Class S Concrete Overlay on both the East & West bound structures. It appears that the only ½ the structure is quantified.
- A#1 The intent, as shown on the General Plan and Elevation and Superstructure Details sheets, is to perform the Hydro Demolition and Class S Concrete Overlay on both the Eastbound and Westbound structures. The SP516B, SP536 and SP848 quantities have been revised on plan sheets 3 and 7 of 12, as well as the bid form.
- Q#2 Will the future track shown on the revised plan sheet be in place prior to construction?
- A#2 The future track will not be in place prior to construction.
- Q#3 Is the contractor required to provide false work throughout the entire span over the Rail Road or just over the tracks?
- A#3 The falsework is required to be placed over the entire railroad, from pier to pier.
- Q#4 Is the contractor required to replace the snaps? If so, what is the method of payment?
- A#4 The SNAPs are required to be replaced, in accordance with Item "Special," Sonic Nap Alert Pattern. The quantity has been added to plan sheet 3 of 12 and the bid form.

MODIFICATIONS VIA ADDENDUM NO. 2 TO THE CONTRACT DOCUMENTS FOR CONTRACT NO. 43-14-08

Modifications to the Plan Drawings

Additions and deletions on Plan Drawings are indicated with a cloud and revision triangle thus:



The following plan sheets have been updated and the new plan sheets shall be substituted for:

- Sheet numbers 3, 7, and 11 of 12.

Modifications to the Special Provisions

Deletions in are shown with strikethrough text. Changes/Additions are shown with **bold italicized** text.

The following Contract Documents have been updated and the respective pages shall be substituted for:

- Bid Form pages OTC-BF-2 and OTC-BF-3
- Special Provision Table of Contents
- Special Provision Page SP-154 and SP-155 (Added)

Addendum No. 2 to Contract No. 43-14-08 is hereby acknowledged:

(Firm Name)

(Signature)

(Printed Name)

Date:

	GENERAL SUMMARY					
ITEM	TOTAL	UNIT	DESCRIPTION			
	•		GENERAL			
IB.ART.6	LUMP	LUMP SUM	PREMIUM FOR CONTRACT PERFORMANCE BOND AND PAYMENT BOND			
SP 115	LUMP	LUMP SUM	RAILROAD PROTECTIVE LIABILITY INSURANCE			
SP 614	LUMP	LUMP SUM	MAINTAINING TRAFFIC			
SP 619	LUMP	LUMP SUM	FIELD OFFICE			
SP 623	LUMP	LUMP SUM	CONSTRUCTION LAYOUT SURVEY			
624	LUMP	LUMP SUM	MOBILIZATION			
SPECIAL	LUMP	LUMP SUM	TEMPORARY ACCESS			
254	7020		ROADWAY PAVEMENT PLANING, ASPHALT CONCRETE (T=2")			
254	7920	<i>S.Y.</i>	PAVEIMENT PLANING, ASPRALT CONCRETE (T=2)			
SP 404	441	С.Ү.	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE (PG 64-22)			
SP 404 SP 407	800	GAL.	TACK COAT			
3P 407	000	GAL.				
604	3	EACH	CATCH BASIN, ADJUSTED TO GRADE, LESS THAN 4", AS PER PLAN			
604	12	EACH	CATCH BASIN, ADJUSTED TO GRADE, ELSS THAN 4 , AS FER FLAN			
604	3	EACH	CATCH BASIN, ADJUSTED TO GRADE, GREATER THAN 12", AS PER PLAN			
604	2	EACH	CATCH BASIN GRATE AND CASTING, AS PER PLAN			
	_					
614	6	MILE	WORK ZONE EDGE LINE, CLASS 1, 740.02 TYPE 1			
614	3	MILE	WORK ZONE LANE LINE, CLASS 1, 740.02 TYPE 1			
614	3785	FOOT	WORK ZONE EDGE LINE, CLASS 1, 740.06 TYPE 1			
614	1895	FOOT	WORK ZONE LANE LINE, CLASS 1, 740.06 TYPE 1			
SP 622A	1	LUMP SUM	TEMPORARY PORTABLE BARRIER (WITHOUT GLARE SHIELD)			
SP 641C	12	MILE	REMOVAL OF PAVEMENT MARKINGS			
642	1.50	MILE	WHITE EDGE LINE, 6", TYPE 1			
642	1.50	MILE	YELLOW EDGE LINE, 6" TYPE 1			
642	3.00	MILE	WHITE LANE LINE, 6", TYPE 1			
	4.05					
SPECIAL	2.70	AHLE	SONIC NAP ALERT PATTERN (SNAP)			
SPECIAL SPECIAL	+ ^{2.70}	MILE EACH	SECURING MANHALE LID			
SFECIAL	2	EACH	SECURING INAIMAGE LID			
		1	structures			
SP 202	LUMP	LUMP SUM	PORTIONS OF STRUCTURE REMOVED			
0. 202	20111	20111 00111				
SP 509	100	LBS	EPOXY COATED REINFORCING STEEL, GRADE 60 (**)			
		1				
513	10	EACH	WELDED STUD SHEAR CONNECTORS, AS PER PLAN (**)			
SP 516A	50	LIN. FT.	CRACK REPAIR USING EPOXY INJECTION (**)			
SP 516B	{ 2140 }	LIN. FT.	SEALING OF CONSTRUCTION JOINTS			
SP 519	50	SQ. FT.	PATCHING CONCRETE STRUCTURES			
SP 527	LUMP	LUMP SUM	FALSEWORK, TEMPORARY BRACING AND PROTECTIVE STRUCTURES			
		LIN. FT.	CONTINUOUS STRIP SEAL IN STRUCTURAL STEEL JOINT			
SP 533	340	E// N. / /.				
	₽~~~~					
SP 536	{2532}	SQ. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS			
	₽~~~~					
SP 536 SP 536	2532 {2532 {550} }	SQ. YD. SQ. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS CONCRETE WEATHERPROOFING, PARAPETS			
SP 536 SP 536 SP 848	2 2532 550 2532 2532	SQ. YD. SQ. YD. SQ. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS CONCRETE WEATHERPROOFING, PARAPETS CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, USING HYDRODEMOLITION			
SP 536 SP 536 SP 848 SP 848	2 2532 550 2532 2532 2532	SQ. YD. SQ. YD. SQ. YD. SQ. YD. SQ. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS CONCRETE WEATHERPROOFING, PARAPETS CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, USING HYDRODEMOLITION SURFACE PREPARATION USING HYDRODEMOLITION			
SP 536 SP 536 SP 848 SP 848 SP 848 SP 848	2 2532 550 2532 2532 2532 49	SQ. YD. SQ. YD. SQ. YD. SQ. YD. SQ. YD. CU. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS CONCRETE WEATHERPROOFING, PARAPETS CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, USING HYDRODEMOLITION SURFACE PREPARATION USING HYDRODEMOLITION CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, (VARIABLE THICKNESS), MATERIAL ONLY			
SP 536 SP 536 SP 848 SP 848 SP 848 SP 848 SP 848	2532 550 2532 2532 2532 49 3	SQ. YD. SQ. YD. SQ. YD. SQ. YD. CU. YD. CU. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS CONCRETE WEATHERPROOFING, PARAPETS CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, USING HYDRODEMOLITION SURFACE PREPARATION USING HYDRODEMOLITION CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, (VARIABLE THICKNESS), MATERIAL ONLY CLASS S CONCRETE, USING SHRINKAGE COMPENSATING CEMENT, FOR PREPLACEMENT TESTING			
SP 536 SP 536 SP 848 SP 848 SP 848 SP 848 SP 848 SP 848	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	SQ. YD. SQ. YD. SQ. YD. SQ. YD. CU. YD. CU. YD. CU. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS CONCRETE WEATHERPROOFING, PARAPETS CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, USING HYDRODEMOLITION SURFACE PREPARATION USING HYDRODEMOLITION CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, (VARIABLE THICKNESS), MATERIAL ONLY CLASS S CONCRETE, USING SHRINKAGE COMPENSATING CEMENT, FOR PREPLACEMENT TESTING FULL DEPTH REPAIR			
SP 536 SP 536 SP 848 SP 848 SP 848 SP 848 SP 848	2532 550 2532 2532 2532 49 3	SQ. YD. SQ. YD. SQ. YD. SQ. YD. CU. YD. CU. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS CONCRETE WEATHERPROOFING, PARAPETS CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, USING HYDRODEMOLITION SURFACE PREPARATION USING HYDRODEMOLITION CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, (VARIABLE THICKNESS), MATERIAL ONLY CLASS S CONCRETE, USING SHRINKAGE COMPENSATING CEMENT, FOR PREPLACEMENT TESTING			
SP 536 SP 536 SP 848 SP 848 SP 848 SP 848 SP 848 SP 848 SP 848	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	SQ. YD. SQ. YD. SQ. YD. SQ. YD. CU. YD. CU. YD. CU. YD. CU. YD. SQ. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS CONCRETE WEATHERPROOFING, PARAPETS CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, USING HYDRODEMOLITION SURFACE PREPARATION USING HYDRODEMOLITION CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, (VARIABLE THICKNESS), MATERIAL ONLY CLASS S CONCRETE, USING SHRINKAGE COMPENSATING CEMENT, FOR PREPLACEMENT TESTING FULL DEPTH REPAIR HAND CHIPPING			
SP 536 SP 536 SP 848 SP 848 SP 848 SP 848 SP 848 SP 848	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	SQ. YD. SQ. YD. SQ. YD. SQ. YD. CU. YD. CU. YD. CU. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS CONCRETE WEATHERPROOFING, PARAPETS CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, USING HYDRODEMOLITION SURFACE PREPARATION USING HYDRODEMOLITION CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, (VARIABLE THICKNESS), MATERIAL ONLY CLASS S CONCRETE, USING SHRINKAGE COMPENSATING CEMENT, FOR PREPLACEMENT TESTING FULL DEPTH REPAIR			

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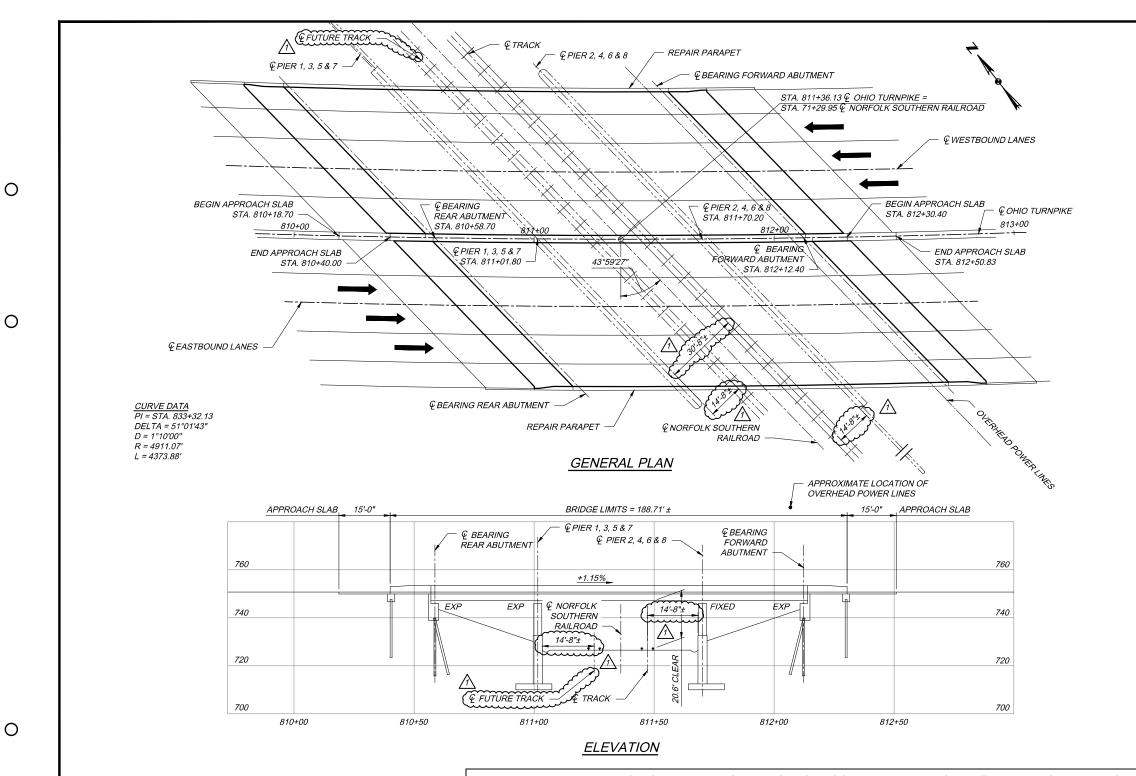
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- <u>NOTES:</u> 1. FOR GENERAL NOTES, SEE SHEET 2.
- 2. SPECIFIC STRUCTURE REHABILITATION SCOPE OF WORK AND ESTIMATED QUANTITIES ARE SHOWN ON THE GENERAL PLAN AND ELEVATION SHEET FOR EACH STRUCTURE.
- 3. (**) DESIGNATES A CONTINGENCY QUANTITY, TO BE USED AT THE DIRECTION OF THE ENGINEER.

•		-			-	-	
2			CAC	6/2014			
NO.			BY	DATE			
IN	OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION						
	ESTIMATED QUANTITIES STRUCTURE M.P. 147.9 LORAIN COUNTY						
DES	SIGNED: CAC	CHECKED:	СММ	DATE:	4/01/20	014	
DR/	AWN: CAC	IN CHARGE:	ADY	SCALE:	N.T.S	S.	
PROJECT 43-14-08 SHEET 3 OF 12							



ITEM	TOTAL	UNIT	DESCRIPTION
SP 202	LUMP	LUMP SUM	PORTIONS OF STRUCTURE REMOVED
SP 509	100	LBS.	EPOXY COATED REINFORCING STEEL, GRADE 60
513	∧ 10	EACH	WELDED STUD SHEAR CONNECTORS, AS PER PLAN
SP 516A	2-50	LIN. FT.	CRACK REPAIR USING EPOXY INJECTION
SP 516B	{ 2140 }	LIN. FT.	SEALING OF CONSTRUCTION JOINTS
SP 519	50	SQ. FT.	PATCHING CONCRETE STRUCTURES
SP 527	∧ LUMP	LUMP SUM	FALSEWORK, TEMPORARY BRACING AND PROTECTIVE STRUCTURES
SP 533	2 340	LIN. FT.	CONTINUOUS STRIP SEAL IN STRUCTURAL STEEL JOINT
SP 536	{ 2532}	SQ. YD.	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS
SP 536	550	SQ. YD.	CONCRETE WEATHERPROOFING, PARAPETS
SP 848	<i>2532</i>	SQ. YD.	CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT, USING HYDRODEMOLITION
SP 848	\$ 2532 \$	SQ. YD.	SURFACE PREPARATION USING HYDRODEMOLITION
SP 848	49	CU. YD.	CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT (VARIABLE THICKNESS), MATERIAL ONLY
SP 848		CU. YD.	CLASS S CONCRETE, USING SHRINKAGE COMPENSATING CEMENT, FOR PRE-PLACEMENT TESTING
SP 848	1	CU. YD.	FULL-DEPTH REPAIR
SP 848	9	SQ. YD.	HAND CHIPPING
SPECIAL	378	LIN. FT.	REPLACEMENT OF PARAPET REINFORCING STEEL

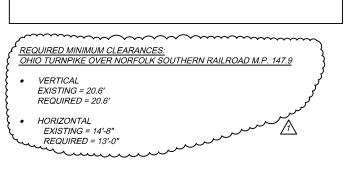
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EXISTING/PROPOSED STRUCTURE

3 SPAN NON-COMPOSITE STEEL BEAMS WITH

TYPE:

	REINFORCED CONCRETE DECK, REINFORCED
	CONCRETE ABUTMENTS, CAP AND COLUMN TYPE
	PIERS.
SPANS:	42'-4 5/16 "±, 67'-10 1/16 "±, AND 42'-4 5/16 "± C/C BEARINGS
ROADWAY:	59'-10" TOE/TOE OF PARAPETS
SKEW:	46°26'52" RIGHT FORWARD
WEARING SURFACE:	MONOLITHIC CONCRETE
APPROACH SLABS:	15'-0" LONG
ALIGNMENT:	1°10'00" CURVE LEFT
BUILT:	1954 (REHABILITATED IN 1986, THIRD LANE ADDED IN
	1996)
SFN:	4729587
OTIC MILEPOST:	147.9
COORDINATES:	LATITUDE: 41°22'54" N. LONGITUDE: 82°04'07" W
000/12/10/1/EO.	

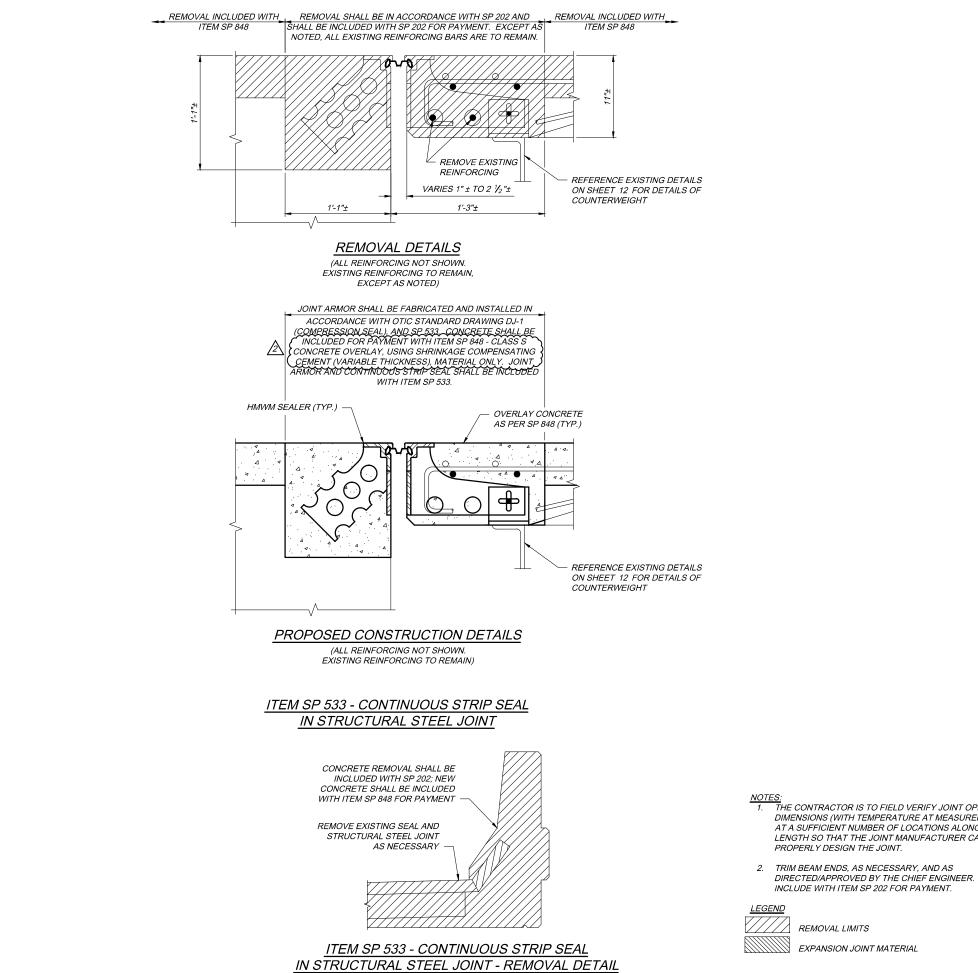


PROPOSED REHABILITATION SCOPE OF WORK: OHIO TURNPIKE OVER NORFOLK SOUTHERN RAILROAD M.P. 147.9

- INSTALL TEMPORARY FALSEWORK BENEATH PORTIONS OF THE 1. STRUCTURE TO BE REPAIRED OVER THE NORFOLK SOUTHERN RAILROAD IN ACCORDANCE WITH SP 527 AND SP 827B.
- 2. REMOVE EXISTING CONCRETE WEARING SURFACE OF BRIDGE DECK AND ABUTMENT SLABS USING HYDRODEMOLITION AS PER SP 848.
- 3. REPLACE REAR ABUTMENT AND FORWARD ABUTMENT EXPANSION JOINTS PER 533. SEE SHEET 11 FOR ADDITIONAL JOINT REPAIR DETAILS.
- 4. EPOXY INJECT ALL CRACKS \mathcal{Y}_8 " WIDE OR LARGER PER SP 516A.
- 5. PLACE CONCRETE OVERLAY PER SP 848.
- 6. SEAL ALL TRANSVERSE JOINTS, CONSTRUCTION JOINTS, AND TOE OF PARAPET WITH HMWM RESIN PER SP 516B.
- 7. REPAIR OUTSIDE PARAPETS IN ACCORDANCE WITH ITEM SPECIAL -REPLACEMENT OF PARAPET REINFORCING STEEL.
- 8. REPAIR AREAS OF DETERIORATED PARAPET CONCRETE AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH SP 519.
- 9. WEATHERPROOF SUPERSTRUCTURE CONCRETE AS SHOWN IN THE PLANS.
- 10. PAINT EDGE AND LANE LINES PER ODOT CMS 642, AS PER PLAN.

NOTES: • THE PLAN DETAILS SHOWN ARE FROM THE ORIGINAL CONSTRUCTION AND REHABILITATION PLANS, WHICH MAY NOT BE DRAWN TO SCALE AND ARE FOR INFORMATION ONLY.

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2		ADDENDU	12		CAC	6/2014	
1		ADDENDU	/ 1		CAC	6/2014	
NO.		REVISION	s		BY	DATE	
IN	OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION						
	GENERAL PLAN AND ELEVATION OHIO TURNPIKE OVER NORFOLK SOUTHERN RR M.P. 147.9 LORAIN COUNTY						
DE	SIGNED: CAC	CHECKED:	СММ	DATE:	4/01/20	014	
DR/	AWN: CAC	IN CHARGE	E ADY	SCALE:	N.T.S	S.	
PROJECT 43-14-08 SHEET 7 OF 12							



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THE JOINT.	

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2			ADDENDUM 2			CAC	6/2014
NO.	REVISIONS						DATE
IN	OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION						
	DECK JOINT DETAILS STRUCTURE M.P. 147.9 LORAIN COUNTY						UNTY
DES	SIGNED:	CAC	CHECKED:	CMM	DATE:	4/01/20)14
DR/	AWN:	CAC	IN CHARGE:	ADY	SCALE:	N.T.S	s.
PF	PROJECT 43-14-08 SHEET 11 OF 12					12	

BID FORM PROJECT NO. 43-14-08

Ref.			Appr
No.	Item No.	Item Description	Quan
		GENERAL (Ref. Nos. 1 - 7)	
1	IB.ART.6	PREMIUM FOR CONTRACT PERFORMANCE BOND AND PAYMENT BOND	1
2	SP 115	RAILROAD PROTECTIVE LIABILTY INSURANCE	1
3	SP 614	MAINTAINING TRAFFIC	1
4	SP 619	FIELD OFFICE	1
5	SP 623	CONSTRUCTION LAYOUT SURVEY	1
6	624	MOBILIZATION	1
7	SPECIAL	TEMPORARY ACCESS	1
			TOT

Ref.			Approx.			Extended Bid
No.	Item No.	Item Description	Quantity	Unit	Unit Cost	Amount
		GENERAL (Ref. Nos. 1 - 7)				
1	IB.ART.6	PREMIUM FOR CONTRACT PERFORMANCE BOND AND PAYMENT BOND		LUMP		
2	SP 115	RAILROAD PROTECTIVE LIABILTY INSURANCE	1	LUMP		
3	SP 614	MAINTAINING TRAFFIC	1	LUMP		
4	SP 619	FIELD OFFICE	1	LUMP		
5	SP 623	CONSTRUCTION LAYOUT SURVEY	1	LUMP		
6	624	MOBILIZATION	1	LUMP		
7	SPECIAL	TEMPORARY ACCESS	1	LUMP		
			TOTAL -	GENERAL		
		ROADWAY (Ref. Nos. 8 - 25)				
8	254	PAVEMENT PLANING, ASPHALT CONCRETE (T=2")	7920	SQ. YD.		
9	SP 404	ASPHALT CONCRETE SURFACE COURSE, USING CRUSHED STONE (PG 64-22)	441	CU. YD.		
10	SP 407	TACK COAT	800	GAL.		
11	604	CATCH BASIN, ADJUSTED TO GRADE, LESS THAN 4", AS PER PLAN	3	EACH		
12	604	CATCH BASIN, ADJUSTED TO GRADE, 4" - 12", AS PER PLAN	12	EACH		
13	604	CATCH BASIN, ADJUSTED TO GRADE, GREATER THAN 12", AS PER PLAN	3	EACH		
14	604	CATCH BASIN GRATE AND CASTING, AS PER PLAN	2	EACH		
15	614	WORK ZONE EDGE LINE, CLASS 1, 740.02 TYPE 1	6	MILE		
16	614	WORK ZONE LANE LINE, CLASS 1, 740.02 TYPE 1	3	MILE		
17	614	WORK ZONE EDGE LINE, CLASS 1, 740.06 TYPE 1	3785	FOOT		
18	614	WORK ZONE LANE LINE, CLASS 1, 740.06 TYPE 1	1895	FOOT		
19	SP 622A	TEMPORARY PORTABLE BARRIER (WITHOUT GLARE SHIELD)	1	LUMP		
20		REMOVAL OF PAVEMENT MARKINGS	12	MILE		
21	642	WHITE EDGE LINE, 6", TYPE 1	1.50	MILE		
22		YELLOW EDGE LINE, 6", TYPE 1	1.50	MILE		
23		WHITE LANE LINE, 6", TYPE 1	3.00	MILE		
24		"SNAP" MILL AND FILL	1.35	MILE		
24A		SONIC NAP ALERT PATTERN (SNAP)	2.70	MILE		
25		SECURING MANHOLE LID	2	EACH		
					//////	

Ref. No.	Item No.	Item Description	Approx. Quantity	Unit	Unit Cost	Extended Bid Amount
		STRUCTURES (Ref. Nos. 26 - 42)				
26	SP 202	PORTIONS OF STRUCTURE REMOVED	1	LUMP		
27	SP 509	EPOXY COATED REINFORCING STEEL, GRADE 60	100	LBS.		
28	513	WELDED STUD SHEAR CONNECTORS, AS PER PLAN	10	EACH		
29	SP 516A	CRACK REPAIR USING EPOXY INJECTION	50	LIN. FT.		
30	SP 516B	SEALING OF CONSTRUCTION JOINTS	1470-2140	LIN. FT.		
31	SP 519	PATCHING CONCRETE STRUCTURES	50	SQ. FT.		
32	SP 527	FALSEWORK, TEMPORARY BRACING AND PROTECTIVE STRUCTURES	1	LUMP		
33	SP 533	CONTINUOUS STRIP SEAL IN STRUCTURAL STEEL JOINT	340	LIN. FT.		
34	SP 536	CONCRETE WEATHERPROOFING, DECK, ABUTMENT SLABS AND APPROACH SLABS	1044 2532	SQ. YD.		
35	SP 536	CONCRETE WEATHERPROOFING, PARAPETS	515 550	SQ. YD.		
36	SP 848	CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT USING HYDRODEMOLITION	1267 2532	SQ. YD.		
37		SURFACE PREPARATION USING HYDRODEMOLITION	1267 2532	SQ. YD.		
38	SP 848	CLASS S CONCRETE OVERLAY, USING SHRINKAGE COMPENSATING CEMENT (VARIABLE THICKNESS), MATERIAL ONLY	9 49	CU. YD.		
39	SP 848	CLASS S CONCRETE, USING SHRINKAGE COMPENSATING CEMENT, FOR PREPLACEMENT TESTING	3	CU. YD.		
40	SP 848	FULL DEPTH REPAIR	1	CU. YD.		
41	SP 848	HAND CHIPPING	9	SQ. YD.		
42	SPECIAL	REPLACEMENT OF PARAPET REINFORCING STEEL	378	LIN. FT.		

BID SUMMARY

The total amount of the preceding Bid, based upon the approximate quantities given above, and the Unit Prices and Lump Sum specified by the undersigned, amounts to the sum of:

TOTAL BASE BID (INCLUDES REF. NO. 1 THRU REF. NO. 42) ------>

THE BID, FOR PROJECT No. 43-14-08, OF UNIT PRICE EXTENSIONS IS ALL LABOR, EQUIPMENT AND MATERIALS, FOR THE SUM OF:

(Sum in words)_

Item No.'s that do not have an IB or SP designation are items drawn from the 2010 ODOT CMS. Bidders should refer to the 2010 ODOT CMS for information and guidance concerning these items.

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION SPECIAL PROVISIONS FOR PROJECT NO. 43-14-08

Provision No.

Description

Page No.

SP 1	GENERAL - INCLUDING MODIFICATIONS TO OHIO TURNPIKE GENERAL CONDITIONS	
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SP 103	CONSTRUCTION PHASING AND TIME OF COMPLETION	2
SP 104	ACCESS TO TURNPIKE AND RESTRICTIONS	2
SP 105	DISPOSAL OF EXCESS MATERIALS	4
SP 106	HOURS OF WORK	4
SP 107	TIME OF THE ESSENCE - LIQUIDATED DAMAGES	4
SP 108	CONCRETE PLANT CERTIFICATION	
SP 109	HAULING OVER LOCAL ROADS	
SP 110	PROJECT SAFETY	5
SP 111	PROHIBITION ON USE OF SLAG	.11
SP 112	ENVIRONMENTAL POLLUTION CONTROL	
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SP 114	NOT USED	.13
SP 115	RAILROAD PROTECTIVE LIABILITY INSURANCE	
SP 116	FURNISHING RIGHT OF WAY/UTILITY RELOCATIONS	
SP 117	FIBER OPTIC CABLES	.13
SP 202	PORTIONS OF STRUCTURE REMOVED	
	ASPHALT CONCRETE SURFACING	
SP 509	EPOXY COATED REINFORCING STEEL	.50
SP 511A	CLASS S CONCRETE, FOR SUPERSTRUCTURES	. 51
SP 514A	FIELD PAINTING OF EXISTING STRUCTURES - SYSTEM OZEU	. 57
SP 516A	CRACK REPAIR	.76
	SEALING OF CONSTRUCTION JOINTS	
	PATCHING CONCRETE STRUCTURES	
SP 527	FALSEWORK, TEMPORARY BRACING AND PROTECTIVE STRUCTURES	
	CONTINUOUS STRIP SEAL IN STRUCTURAL STEEL JOINT	
SP 536	CONCRETE WEATHERPROOFING	
SP 614	MAINTAINING TRAFFIC	
	FIELD OFFICE	
	TEMPORARY PORTABLE BARRIER	
	CONSTRUCTION LAYOUT SURVEY	
	RAISED PAVEMENT MARKERS	
	REMOVAL OF PAVEMENT MARKING	
	TRAFFIC SIGN AND SUPPORT MATERIAL	
SP 802	BARRIER REFLECTORS	
	PROTECTION OF NORFOLK SOUTHERN RAILWAY INTEREST	
	BRIDGE DECK REPAIR AND OVERLAY WITH CONCRETE USING HYDRODEMOLITION	
	NON-SHRINK, NON-METALLIC EPOXY GROUT	
SPECIAL	SONIC NAP ALERT PATTERN (SNAP)	154

OHIO DEPARTMENT OF TRANSPORTATION – SUPPLEMENTAL SPECIFICATIONS

SS 821 – ARROW BOARD

SS 921 – ARROW BOARD

SS 1021 – ARROW BOARD PRE-QUALIFICATION PROCEDURE

APPENDIX

APPENDIX A – STANDARD CONSTRUCTION RIGHT OF ENTRY AGREEMENT APPENDIX B – TEMPORARY TRAFFIC CONTROL ON THE OHIO TURNPIKE

SPECIAL SONIC NAP ALERT PATTERN (SNAP) (12/10)

A. Description

This Item shall consist of the installation of the Sonic Nap Alert Pattern (SNAP).

B. Construction Methods

Construct the SNAP grooves to the dimensions and spacing as shown on the Ohio Turnpike and Infrastructure Commission Standard Drawing TCR-13 and at the locations shown in the Plans.

The method of cutting shall be either milling or grinding. The cutting head shall be capable of producing a sixteen (16) inch wide cut in one (1) pass. If the milling method is used, the outer drum shall have a maximum diameter of twenty-four (24) inches with a minimum of fifty (50) carbide cutting tips or sufficient diamond blades to provide a smooth surface. The rotation speed of the drum shall be at a cutting rate of three thousand (3,000) SNAP grooves per hour of operation.

The cutting machine shall be equipped with guides or a guidance system, clearly visible to the operator, to provide for consistent alignment of each SNAP groove at the offset from the edge line as indicated on the Plans.

Where Work is required at a location that abuts an already grooved area, the Contractor shall adjust the alignment and spacing of new grooves to blend with that of the existing grooves. SNAP grooves shall not be installed on concrete bridge decks, abutment slabs or approach slabs.

The Contractor may dispose of millings or grinding slurry outside the edge of the paved shoulder. Grinding slurry shall not be discharged within fifty (50) feet of a stream or local road crossing and where streams are adjacent to the toe of an embankment. The shoulder area shall be returned to a debris-free state prior to reopening for traffic.

Traffic control procedures shall be as stated on the Plans and Special Provisions and as shown on the Standard Drawings.

The Contractor shall perform a test section prior to performing any Work, at a location and time set forth by the Chief Engineer. The test section will be performed to insure that the machine is capable of milling or diamond grinding the SNAP in accordance with the Ohio Turnpike and Infrastructure Commission Standard Drawing TCR-13.

C. Method of Measurement

The quantity of SNAP grooves shall be the actual number of miles (to the nearest hundredth) of completed grooves to the satisfaction of the Chief Engineer.

D. Basis of Payment

Payment for all labor and equipment necessary to accomplish the Work shall be made at the Contract unit bid price for each mile of SNAP grooves completed to the satisfaction of the Chief Engineer. No separate payment shall be made for the removal and disposal of millings or grindings. No separate payment shall be made for the test strip.

Payment will be made under:

<u>ltem</u>	<u>Unit</u>	Description
Special	Mile	Sonic Nap Alert Pattern (SNAP)

SPECIAL – SONIC NAP ALERT PATTERN (SNAPS)