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ADDENDUM #2

FROM: Union County Engineers Office
Emily Wieringa

DATE: February 26, 2010

RE: **UNI-TR99-0.24 Bridge Replacement**

PAGES (including cover): 10

This addendum supplements and amends the original Drawings and Specification issued and shall be taken into account in preparing proposals, and shall become a part of the Contract Documents.

1. Revise Item 614 American Recovery and Reinvestment Act (ARRA) Sign from the "Conventional Road" to "**Urban Conventional Road**" specifications. The revised plan note is included herein the addendum.
2. A revised Proposal addressing the Item 614 change is attached herein and can be found on the Engineer's website at www.co.union.oh.us/engineer under the Bid Info section.

Please note and sign the bottom portion of 6.6 in the bid packet proposal acknowledging that this Addendum was received.

Item 614 American Recovery and Reinvestment Act (ARRA) Sign, Urban Conventional Road

This item shall consist of the furnishing, installing, maintaining and subsequent removal, of one American Recovery and Reinvestment Act (ARRA) sign on yielding post supports.

On the first day of work, install one ARRA sign near the beginning of the project in each route direction in a location as approved by the engineer. The ARRA sign consists of one 48" x 36" flat sheet sign with bottom 48" x 28" portion white on green with pictographs and top 48" x 8" portion black on orange, and one 8" x 8" diamond flat sheet sign. The sign fabrication details are found on the Office of Traffic Engineering web page at:

<http://www.dot.state.oh.us/Divisions/HighwayOps/Traffic/Pages/OTEHomePage.aspx>

Install the sign on two No. 3 yielding posts as per Standard Drawings TC-41.20 and TC-52.20. Signs in protected locations may be installed on other supports as approved by the engineer. Used signs are allowed provided they are in a condition acceptable to the engineer. Remove the ARRA sign and supports at the end of the project. Removed ARRA sign and supports are the property of the contractor.

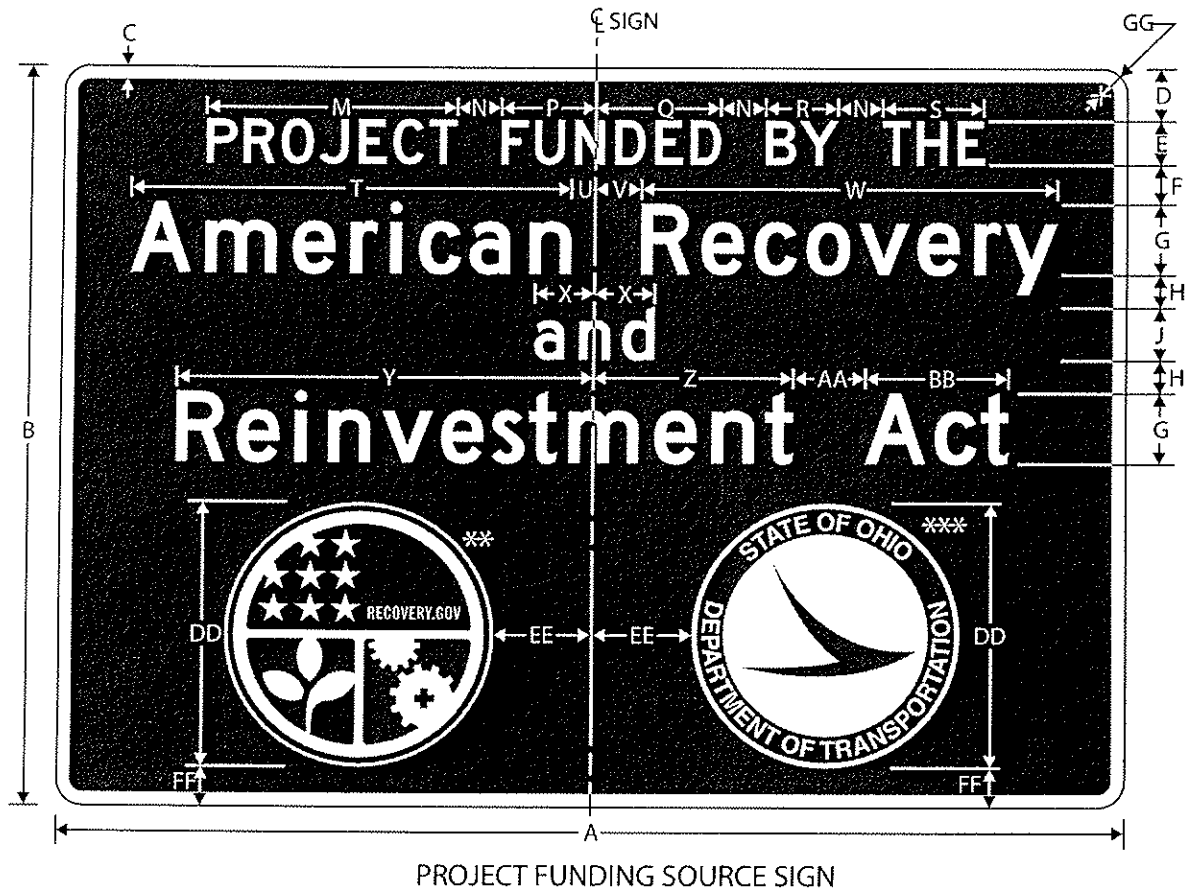
The basis of payment shall be at the contract unit bid price per each for one installed and subsequently removed ARRA sign, which shall include all labor, equipment, materials, tools and other incidentals to provide for a complete and accepted item of work.

PROJECT FUNDING SOURCE SIGN ASSEMBLY
AMERICAN RECOVERY AND REINVESTMENT ACT
OHIO DOT SIGN LAYOUT DETAILS



PROJECT FUNDING SOURCE
SIGN ASSEMBLY

PROJECT FUNDING SOURCE SIGN ASSEMBLY AMERICAN RECOVERY AND REINVESTMENT ACT OHIO DOT SIGN LAYOUT DETAILS



PROJECT FUNDING SOURCE SIGN

NOTE: SIGN SHALL NOT BE INSTALLED WITHOUT PROJECT FUNDING SOURCE PLAQUE (SEE SHEET 3).

Dimensions in inches

A	B	C	D	E	F	G	H	J	M	N	P
120	84	1.5	6	5 D	4.5	8 D*	3.75	6 D*	27.917	5	10.831
84	60	1	5	4 C	3.5	6 C*	3	4 D*	19.047	4	7.362
48	28	0.5	2	2 D	1.5	3 D*	1.25	2.5 D*	11.167	2	4.332

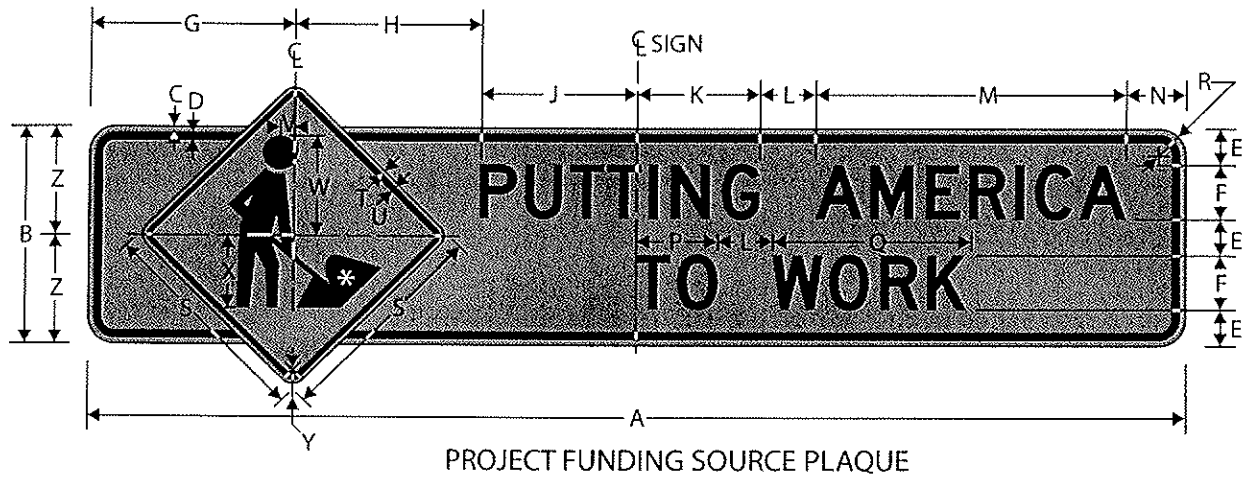
Q	R	S	T	U	V	W	X	Y	Z	AA	BB	DD	EE
14.087	8.106	11.556	49.42	2.742	5.258	46.904	6.812	46.76	22.472	8	16.288	30	11
9.484	5.162	7.763	31.722	2.415	3.585	30.552	4.542	30.911	14.737	6	10.175	21	7.5
5.635	3.242	4.622	18.533	1.028	1.972	17.589	2.838	17.535	8.427	3	6.108	8	6

FF	GG
4.5	3
2.25	2.25
1.75	1.5

* Increase character spacing 50%
 ** See Pictograph page 4
 *** See Pictograph page 5

COLORS: LEGEND, BORDER — WHITE (RETROREFLECTIVE)
 BACKGROUND — GREEN (RETROREFLECTIVE)

PROJECT FUNDING SOURCE SIGN ASSEMBLY AMERICAN RECOVERY AND REINVESTMENT ACT OHIO DOT SIGN LAYOUT DETAILS



PROJECT FUNDING SOURCE PLAQUE

NOTE: PLAQUE SHALL NOT BE INSTALLED WITHOUT SIGN (SEE SHEET 2).

* See *Standard Highway Signs* Page 6-59 for symbol design.

Dimensions in inches

A	B	C	D	E	F	G	H	J	K	L	M	N	P
120	24	0.625	0.875	4	6 D	22.349	20.370	17.281	13.28	6	34.22	6.5	8.765
84	18	0.375	0.625	3.5	4 D	16.607	15.686	9.707	10.667	4	22.813	5	5.843
48	8	0.375	0.375	1.333	2 D	4.771	4.349	5.76	4.427	2	11.407	6.167	2.922

Q	R	S	T	U	V	W	X	Y	Z
21.013	3	24	0.375	0.625	1.5	11	8	1.5	12
14.009	2.25	18	0.375	0.625	1	7	6	1.5	9
7.004	1.5	8	0.375	0.375	0.5	3.67	2.67	1.5	4

COLORS: LEGEND, BORDER — BLACK
BACKGROUND — ORANGE (RETROREFLECTIVE)

PROJECT FUNDING SOURCE SIGN ASSEMBLY
AMERICAN RECOVERY AND REINVESTMENT ACT
OHIO DOT SIGN LAYOUT DETAILS



RECOVERY
Vector-Based, Vinyl-Ready Pictograph

COLORS: LEGEND, OUTLINE	— WHITE (RETROREFLECTIVE)
BORDER	— BLUE (RETROREFLECTIVE)
BACKGROUND (UPPER)	— BLUE (RETROREFLECTIVE)
BACKGROUND (LOWER RIGHT)	— RED (RETROREFLECTIVE)
BACKGROUND (LOWER LEFT)	— GREEN (RETROREFLECTIVE)

PROJECT FUNDING SOURCE SIGN ASSEMBLY
AMERICAN RECOVERY AND REINVESTMENT ACT
OHIO DOT SIGN LAYOUT DETAILS



OHIO DEPARTMENT OF TRANSPORTATION ZEPHYR
Vector-Based, Vinyl-Ready Pictograph

COLORS: LEGEND, OUTLINE
BACKGROUND, ZEPHYR

— WHITE (RETROREFLECTIVE)
— GREEN (RETROREFLECTIVE)

UNI-TR 99 - 0.24 Bridge Replacement Proposal

TO: Board of Commissioners, Union County, Ohio
 PROJECT: UNI-TR99 - 0.24 BRIDGE REPLACEMENT

The undersigned, having full knowledge of the site(s) of the Project, the specifications applicable to the Project, and the conditions of this Proposal hereby agrees to furnish all services, labor, materials and equipment necessary to complete the Project in accordance with the Plans and Detailed Specifications, within the time specified for completion and to accept payment in accordance with the unit prices stated below as full compensation for all furnished services, labor, material & equipment.

REF#	ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE BID	BID AMOUNT
ROADWAY						
1	201	CLEARING AND GRUBBING	LUMP	1		
2	202	GUARDRAIL REMOVAL	LIN FT	559		
3	202	FENCE REMOVED	LIN FT	165		
4	203	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	CU YD	337		
5	203	EMBANKMENT	CU YD	656		
6	203	SUBGRADE COMPACTION	SQ YD	589		
7	304	6" AGGREGATE BASE	CU YD	11		
8	606	GUARDRAIL TYPE 5	LIN FT	375		
9	606	ANCHOR ASSEMBLY, TYPE A	EACH	3		
10	606	ANCHOR ASSEMBLY, TYPE T	EACH	1		
11	606	BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN	EACH	4		
			subtotal			
TRAFFIC CONTROL						
12	626	BARRIER REFLECTOR, TYPE A2	EACH	13		
13	630	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE	EACH	7		
14	630	SIGN, FLAT SHEET, TYPE F, AS PER PLAN	SQ FT	6.25		
15	630	GROUND MOUNTED SUPPORT, NO. 3 POST	LIN FT	14		
16	642	EDGE LINE, TYPE 2	MILE	0.16		
17	642	CENTER LINE, TYPE 2	MILE	0.08		
18	614	TEMPORARY CENTERLINE, CLASS II	MILE	0.16		
19	614	AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SIGN; CONVENTIONAL ROAD URBAN CONVENTIONAL ROAD	EACH	2		
			subtotal			
EROSION CONTROL						
20	601	ROCK CHANNEL PROTECTION, TYPE D	CU YD	82		
21	832	CONSTRUCTION SEEDING AND MULCHING	SQ YD	1000		
22	832	PERIMETER FILTER FABRIC FENCE	LIN FT	1000		
23	832	FILTER FABRIC DITCH CHECK	LIN FT	20		
24	832	STORM WATER POLLUTION PREVENTION PLAN	EACH	1		
25	870	SEEDING AND MULCHING	SQ YD	2088		
26	870	COMMERCIAL FERTILIZER	TON	0.19		
27	870	WATER	M GAL	6		

REF#	ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE BID	BID AMOUNT
			subtotal			
		PAVEMENT				
28	302	BITUMINOUS AGGREGATE BASE, PG 64-22	CU YD	78		
29	304	AGGREGATE BASE	CU YD	70		
30	407	TACK COAT FOR INTERMEDIATE COURSE	GAL	74		
31	408	BITUMINOUS PRIME COAT	GAL	187		
32	448	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG 64-22	CU YD	26		
33	448	ASPHALT CONCRETE SURFACE COURSE,TYPE 1, PG 64-22	CU YD	18		
34	603	6" CONDUIT, TYPE B	LIN FT	50		
35	603	6" CONDUIT , TYPE E	LIN FT	50		
36	603	6" CONDUIT, TYPE F	LIN FT	50		
37	605	AGGREGATE DRAINS	LIN FT	125		
38	611	REINFORCED CONCRETE APPROACH SLAB (T=13")	SQ YD	94		
39	614	MAINTAINING TRAFFIC	LUMP	1		
40	616	WATER	M GAL	6		
41	616	CALCIUM CHLORIDE	TON	1		
42	617	AGGREGATE SHOULDERS	CU YD	51		
			subtotal			
		BRIDGE SUPERSTRUCTURE				
43	513	STRUCTURAL STEEL: MISC PLATES, RODS, ASSEMBLIES	LB	56121		
44	513	STRUCTURAL STEEL: MISC HARDWARE	LUMP	1		
45	514	FIELD PAINTING, MISC: STAINING OF SIDING AND TRIM	SQ FT	8775		
46	514	FIELD PAINTING, MISC: ANTI-GRAFFITI	SQ FT	8775		
47	521	BRIDGE TIMBER, MISC: PRATT TRUSSES, GLULAM	MFBM	32.76		
48	521	BRIDGE TIMBER, MISC: FLOOR SYSTEM, GLULAM	MFBM	57.09		
49	521	BRIDGE TIMBER, MISC: ROOF SYSTEM, GLULAM	MFBM	14.81		
50	521	BRIDGE TIMBER, MISC: PRATT TRUSSES, MISC	MFBM	2.4		
51	521	BRIDGE TIMBER, MISC: FLOOR SYSTEM, MISC	MFBM	1.97		
52	521	BRIDGE TIMBER, MISC: ROOF SYSTEM, MISC	MFBM	4.26		
53	521	BRIDGE TIMBER, MISC: SIDING, TRIM AND AWNING	SQFT	5803		
54	521	BRIDGE TIMBER, MISC: BEARING BLOCKS	LUMP	1		
55	530	SPECIAL-STRUCTURE: METAL ROOFING	SQ FT	6857		
56	530	SPECIAL-MISC: BRIDGE SIGNAGE	LUMP	1		
			subtotal			

REF#	ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE BID	BID AMOUNT
BRIDGE SUBSTRUCTURE						
57	448	1 1/4" ASPHALT CONCRETE INTERMD.COURSE, TYPE 1, PG64-22	CU YD	16		
58	448	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22	CU YD	16		
59	503	UNCLASSIFIED EXCAVATION, AS PER PLAN	LUMP	1		
60	509	EPOXY REINFORCING STEEL	LB	14337		
61	511	CLASS C, CONCRETE ABUTMENT, INCLUDING FOOTING	CU YD	194		
62	516	1" PREFORMED EXPANSION JOINT FILLER	SQ FT	52		
63	518	POROUS BACKFILL WITH FILTER FABRIC	LUMP	1		
64	518	6" PERFORATED CORRUGATED PLASTIC PIPE	LIN FT	116		
65	518	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCL SPECIALS	LIN FT	70		
66	864	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	SQ YD	104		
67	Special	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	LIN FT	52		
68	524	DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK	LIN FT	56		
69	524	DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK	LIN FT	60		
			subtotal			
70	202	STRUCTURE REMOVED, OVER 20 FOOT SPAN	LUMP	1		
71	601	DUMPED ROCK FILL, TYPE D, AS PER PLAN	CU YD	300		
72	623	CONSTRUCTION LAYOUT STAKES	LUMP	1		
73	624	MOBILIZATION	LUMP	1		
74	806	FIELD OFFICE, TYPE A	MONTH	9		
75	SPECIAL	CONSTRUCTION SCHEDULE	LUMP	1		
76	SPECIAL	PERFORMANCE AND PAYMENT BOND	LUMP	1		

TOTAL AMOUNT OF BID FOR TR99 BRIDGE REPLACEMENT

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