



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Matthew G. Bevin
Governor

Greg Thomas
Secretary

June 20, 2018

CALL NO. 104
CONTRACT ID NO. 182908
ADDENDUM # 2

Subject: BOYD COUNTY, NHPP 2601 (030)
Letting June 22, 2018

- (1) Revised - Special Note for Bridge Restoration and Waterproofing -
Pages 40-41 of 138
- (2) Revised - Proposal Bid Items - Page 138-138(a) of 138

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures



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SPECIAL NOTE FOR BRIDGE RESTORATION AND WATERPROOFING WITH CONCRETE OVERLAYS

- I. DESCRIPTION.** Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2012 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the attached detail drawings. Section references are to the Standard Specifications.

This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Machine prep the existing slab; (3) Complete full-depth and partial depth repairs as directed by the Engineer; (4) Repair/replace damaged and corroded reinforcing bars; (5) Place new concrete overlay and epoxy-sand slurry in accordance with Section 606; (6) Complete asphalt approach pavement; (7) Maintain and control traffic; and (8) Any other work specified as part of this contract.

All construction will be in accordance with Section 606 unless otherwise specified.

II. MATERIALS.

- A. Latex Concrete.** See Section 606.03.17.
- B. Class "M" Concrete.** Use either "M1" or "M2". See Section 601.
- C. Bituminous Asphalt.** Use CL2 ASPH SURF 0.38D PG64-22.
- D. Epoxy-Sand Slurry.** See Section 606.03.10.

III. CONSTRUCTION.

- A. Machine prep of existing slab.** Remove concrete from existing slab to a depth of 3/4" below the existing surface, and remove all patches completely, in accordance with the requirements of Section 606.03.03.
- B. Partial Depth Slab Repair and Latex Overlay.** Remove areas determined to be unsound by the Engineer via hydrodemolition or via hand held jackhammers weighing less than 45lbs in accordance with Section 606.02.10 D. Repair/Replace all damaged or severely corroded reinforcing bars prior to partial depth repair operation. The Department will not measure material removal and will consider this work incidental to the bid item "PARTIAL DEPTH PATCHING". Mix and place Latex Modified Concrete Overlay in accordance with Sections 606.03.08 and 606.03.17.
- C. Asphalt Approach Pavement.** Mill the existing asphalt approach for a distance of 3' from the bridge end, on the Ohio approach only. Remove the bituminous material uniformly by making an edge key, so as to provide a smooth transition to the finished bridge when a new bituminous overlay of compacted depth of approximately 1 1/2" is added to the approaches. The grinding depth may vary depending of the condition of the existing approach and final elevation of bridge end. Dispose of all removed material away from the site.
- D. Surface Texturing.** Texture the concrete surface of the overlay in accordance with Section 609.03.10.

- IV. MEASUREMENT.** See Section 606 and the following:

- A. Latex Modified Concrete for Overlay.** The Department will measure the quantity in cubic yards using the theoretical volume as follows for the bridge:

Kentucky approach + bridge + Ohio approach

$$(185 \times 30) + (2278' \times 25') + (0.5(80+25) \times 50) \times 1.25' = 251.25 \text{ cuyd}$$

- B. Latex Modified Concrete for Partial Depth Patching and variable thickness of Overlay.** The Department will measure the quantity in cubic yards by deducting the theoretical volume of bridge deck overlay (LMC) from the total volume (as indicated by the batch quantity tickets) of Concrete required to obtain the finished grade shown on the Plans or established by the Engineer.
- C. Machine Prep of Slab.** The Department will measure the machine preparation of the existing bridge deck in square yards, which shall include all labor, equipment, and material needed to complete this work.
- D. Steel Reinforcement.** The Department will measure any reinforcing steel necessary for the partial or full depth patch in pounds, which shall include all labor, equipment, and material needed to complete this work.
- E. Asphalt Approach Pavement.** The Department will measure the quantity in square yards, which shall include all labor, equipment, and material needed to complete this work.
- V. PAYMENT.** See Section 606 and the following:
- A. Latex Modified Concrete for Overlay.** The Department will make payment for the Latex Modified Concrete under bid item #08534 "CONCRETE OVERLAY – LATEX" for the quantity in cubic yards complete in place.
- B. Latex Modified Concrete for Partial Depth Patching and variable thickness of Overlay.** The Department will make payment for the Partial Depth Patching under bid item #24094EC "PARTIAL DEPTH PATCHING". Payment will be for the quantity per cubic yard complete in place.
- C. Machine Prep of Slab.** The Department will make payment for the removal of the existing overlay under bid item #08551 "MACHINE PREP OF SLAB". Payment will be for the square yard complete.
- D. Steel Reinforcement.** The Department will make payment for steel reinforcement, if necessary, under bid item #08150 "STEEL REINFORCEMENT". Payment will be at the unit price per pound.
- E. Asphalt Approach Pavement.** The Department will make payment for the completed and accepted quantity of this work under the bid item #03304 "BRIDGE OVERLAY APPROACH PAVEMENT".

PROPOSAL BID ITEMS

Report Date 6/20/18

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Section: 0001 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	01921		STANDARD BARRIER MEDIAN TYPE 4	9.00	SQYD		\$	
0020	02014		BARRICADE-TYPE III	10.00	EACH		\$	
0025	02115		SAW-CLEAN-RESEAL TVERSE JOINT (REVISED: 6-20-18)	1,475.00	LF		\$	
0030	02562		TEMPORARY SIGNS	1,000.00	SQFT		\$	
0040	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 010B00040N	1.00	LS		\$	
0050	02653		LANE CLOSURE	2.00	EACH		\$	
0060	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0070	02775		ARROW PANEL	2.00	EACH		\$	
0080	03171		CONCRETE BARRIER WALL TYPE 9T	80.00	LF		\$	
0090	03295		EXPAN JOINT REPLACE 2 IN (REVISED: 6-20-18)	450.00	LF		\$	
0100	03299		ARMORED EDGE FOR CONCRETE	118.00	LF		\$	
0110	03304		BRIDGE OVERLAY APPROACH PAVEMENT (REVISED: 6-13-18)	27.00	SQYD		\$	
0120	06510		PAVE STRIPING-TEMP PAINT-4 IN	6,500.00	LF		\$	
0130	06514		PAVE STRIPING-PERM PAINT-4 IN	12,000.00	LF		\$	
0140	06549		PAVE STRIPING-TEMP REM TAPE-B	500.00	LF		\$	
0150	06550		PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF		\$	
0160	06551		PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF		\$	
0170	06568		PAVE MARKING-THERMO STOP BAR-24IN	100.00	LF		\$	
0180	06569		PAVE MARKING-THERMO CROSS-HATCH	800.00	SQFT		\$	
0190	06573		PAVE MARKING-THERMO STR ARROW	4.00	EACH		\$	
0200	06574		PAVE MARKING-THERMO CURV ARROW	12.00	EACH		\$	
0210	06575		PAVE MARKING-THERMO COMB ARROW	4.00	EACH		\$	
0220	08150		STEEL REINFORCEMENT	2,839.00	LB		\$	
0230	08504		EPOXY SAND SLURRY (REVISED: 6-13-18)	653.00	SQYD		\$	
0240	08526		CONC CLASS M FULL DEPTH PATCH (REVISED: 6-13-18)	20.00	CUYD		\$	
0250	08534		CONCRETE OVERLAY-LATEX (REVISED: 6-20-18)	251.25	CUYD		\$	
0260	08549		BLAST CLEANING (REVISED: 6-20-18)	7,889.00	SQYD		\$	
0270	08551		MACHINE PREP OF SLAB (REVISED: 6-20-18)	7,236.00	SQYD		\$	
0280	22146EN		CONCRETE PATCHING REPAIR (REVISED: 6-13-18)	200.00	SQFT		\$	
0290	22664EN		WATER BLASTING EXISTING STRIPE	12,000.00	LF		\$	
0300	23010EN		PAVE MARK TEMP PAINT STOP BAR-24 IN	100.00	LF		\$	
0310	23839EC		REMOVE CONCRETE MEDIAN	9.00	SQYD		\$	
0320	23875NC		REMOVE THERMOPLASTIC ARROWS	8.00	EACH		\$	
0330	24094EC		PARTIAL DEPTH PATCHING	171.10	CUYD		\$	
0340	24544EC		REMOVE THERMOPLASTIC MARKING	400.00	LF		\$	

Section: 0002 - DEMOBILIZATION

PROPOSAL BID ITEMS

Report Date 6/20/18

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0350	02569		DEMOBILIZATION	1.00	LS		\$	