



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

July 19, 2022

CALL NO. 406
CONTRACT ID NO. 222969
ADDENDUM # 1

Subject: HOPKINS - MCLEAN - MUHLENBERG - WEBSTER COUNTIES, 121GR22M054 - FE02
Letting July 21, 2022

- (1) Revised - Scope of Work - Page 4 of 66
- (2) Revised - Special Notes - Pages 12-13, 15-17 of 66
- (3) Revised - Proposal Bid Items - Pages 63-65 of 66
- (4) Omit from the Proposal - Pages 10, 32-36, 41, 46, 51, and 66 of 66

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

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

Sincerely,

Rachel Mills,

A handwritten signature in cursive script that reads "Rachel Mills".

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

RM:mr
Enclosures

ADMINISTRATIVE DISTRICT - 02

CONTRACT ID - 222969

121GR22M054 - FE02

COUNTY - HOPKINS

PCN - MB054041A2201

FE02 054 041A B00208N 06.78

NEBO ROAD (US 41A) BRIDGE 054B00208N OVER POND CREEK AT MP 06.78 BRIDGE DECK RESTORATION & WATERPROOFING

GEOGRAPHIC COORDINATES LATITUDE 37:22:48.00 LONGITUDE 87:36:22.00

ADT

COUNTY - MCLEAN

PCN - MB07500812201

FE02 075 0081 B00074N 08.37

SACRAMENTO - RUMSEY ROAD (KY 81) BRIDGE 075B00074N OVER CYPRESS CREEK AT MP 08.37 BRIDGE DECK RESTORATION & WATERPROOFING

GEOGRAPHIC COORDINATES LATITUDE 37:49:03.00 LONGITUDE 87:24:52.00

ADT

PCN - MB07500852201

FE02 075 0085 B00070N 06.82

SACRAMENTO - ISLAND ROAD (KY 85) BRIDGE 075B00070N OVER CYPRESS CREEK AT MP 06.82 BRIDGE DECK RESTORATION & WATERPROOFING

GEOGRAPHIC COORDINATES LATITUDE 37:26:46.00 LONGITUDE 87:11:53.00

ADT

COUNTY - MUHLENBERG

PCN - MB08901892201

FE02 089 0189 B00110N 10.00

ROBERT L. DRAPER WAY (KY 189) BRIDGE 089B00110N OVER FIELD AT MP 10.00 BRIDGE DECK RESTORATION & WATERPROOFING

GEOGRAPHIC COORDINATES LATITUDE 37:12:47.00 LONGITUDE 87:11:29.00

ADT

COMPLETION DATE(S):

COMPLETED BY 07/31/2023	APPLIES TO ENTIRE PROJECT
30 CALENDAR Days	APPLIES TO 054B00208N
30 CALENDAR Days	APPLIES TO 075B00070N
30 CALENDAR Days	APPLIES TO 075B00074N
30 CALENDAR Days	APPLIES TO 089B00110N

SPECIAL NOTE FOR BRIDGE DECK RESTORATION AND WATERPROOFING WITH CONCRETE OVERLAYS

- 1. DESCRIPTION.** Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings (current editions), 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, and (7) Any other work specified as part of this contract. All construction will be in accordance with Section 606 unless otherwise specified.
- 2. 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.
- 3. CONSTRUCTION.**

 - A. Machine Preparation of Existing Slab.** Remove concrete from existing slab to a depth of at least ¼" 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 hydro-demolition 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 each existing asphalt approach to the distance indicated in the attached detailed drawings. 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 1½" is added to the approaches. The grinding depth may vary depending on 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.
 - E. Pavement Markings.** Restore pavement markings to original patterns and/or as directed by the Engineer in accordance with Sections 713, 714 and 837. See Standard Drawings TPM-115 and TPM-207 Current Edition.
 - F. Verifying Field Conditions.** The Contractor shall field verify all dimensions before ordering any material. New material that is unsuitable due to variation in existing structure shall be replaced at the Contractors expense.

G. Damage to the Structure. The Contractor shall bear all responsibility and expense for all damage to the structure during the repair work even to removal and replacement of a fallen span, should the fallen span result from the Contractor's actions.

4. **MEASUREMENT.** See Section 606 and the following:
- A. Machine Preparation of Slab, Blast Cleaning, Epoxy Sand Slurry and Bridge Overlay Approach Pavement.** The Department will measure the removal of the existing overlay in square yards.
 - B. Latex Modified Concrete for Overlay.** The Department will measure the quantity in cubic yards using the theoretical volume as follows for each bridge:

054B00208N	(5046 SFx1.50") = 23.4 CY
075B00070N	(5112 SFx1.50") = 23.7 CY
075B00074N	(3632 SFx1.50") = 16.8 CY
089B00110N	(7374 SFx1.50") = 34.1 CY
 - C. Partial Depth Patching.** 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.
 - D. Concrete Class M Full Depth Patch and Concrete Latex Overlay.** The Department will measure the quantity in cubic yards.
 - E. Steel Reinforcement.** The Department will measure any reinforcing steel necessary for the partial or full depth patch in pounds.
 - F. Pave Striping-Perm 4 Inch.** The Department will measure the quantity in lineal feet.
5. **PAYMENT.** See Section 606 and the following:
- A. Machine Preparation of Slab (08551).** The Department will make payment for the machine preparation of the existing slab.
 - B. Partial Depth Patching (24094EC).** The Department will make payment for removing existing materials, furnishing and placing all new materials completed and accepted.
 - C. Concrete Class M Full Depth Patch (08526).** The Department will make payment for removing existing materials, furnishing and placing all new materials.
 - D. Blast Cleaning (08549).** The Department will make payment for blast cleaning all surfaces specified.
 - E. Epoxy Sand Slurry (08504).** The Department will make payment for furnishing and placing all new materials as specified.
 - F. Concrete Latex Overlay (08534).** The Department will make payment for furnishing and placing all new material as specified.
 - G. Steel Reinforcement (08150).** The Department will make payment for steel reinforcement, if necessary.
 - H. Asphalt Approach Pavement (03304).** The Department will make payment for removing existing materials, furnishing and placing all new materials as specified.
 - I. Pave Striping-Perm 4 Inch (06514).** The Department will make payment for furnishing and placing permanent striping as specified.
 - J.**

**SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND
PENALTIES ON BRIDGE REPAIR CONTRACTS**

- 1. COMPLETION DATE.** The Contractor has the option of selecting the starting date for this Contract. Once selected, notify the Department in writing of the date selected at least two weeks prior to beginning work. All work is to be completed by the date listed below. An allotted number of Calendar days are assigned to each structure in this contract as shown below.

<u>STRUCTURE</u>	<u>NO. OF CALENDAR DAYS</u>	<u>COMPLETION DATE</u>
054B00208N	30	July 31, 2023
075B00070R	30	July 31, 2023
075B00074N	30	July 31, 2023
089B00110N	30	July 31, 2023

Contrary to Section 108.07.03, the Engineer will begin charging calendar days for a structure on the day the Contractor starts work or sets up traffic control on that particular structure. A **penalty of \$500.00 per day** will be assessed when the allotted number of calendar days is exceeded for each structure.

All construction must be completed in accordance with the weather limitations specified in Section 606 and/or Section 601 as applicable. No extension of Contract time will be granted due to inclement weather or temperature limitations that occur due to starting work on the Contract or a structure late in the construction season.

SPECIAL NOTE FOR TRAFFIC CONTROL ON BRIDGE REPAIR CONTRACTS

1. TRAFFIC CONTROL GENERAL

Except as provided herein, traffic shall be maintained in accordance with the Standard Specifications (current edition), Section 112. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to “Maintain and Control Traffic”. Contrary to Section 106.01, traffic control devices used on this project may be new or used in new condition, at the beginning of the work and maintained in like new condition until completion of the work.

2. TRAFFIC COORDINATOR

Furnish a Traffic Coordinator as per Section 112. The Traffic Coordinator shall inspect the project maintenance of traffic, at least three times daily, or as directed by the Engineer, during the Contractor’s operations and at any time a lane closure is in place. The personnel shall have access on the project to a radio or telephone to be used in case of emergencies or accidents. The Traffic Coordinator shall report all incidents throughout the work zone to the Engineer on the project. The Contractor shall furnish the name and telephone number where the Traffic Coordinator can be contacted at all times.

3. SIGNS

Contrary to Section 112.04.02, only long-term signs (sign intended to be continuously in place for more than 3 days) will be measured for payment; short term signs (signs intended to be left in place for 3 days or less) will not be measured for payment but will be incidental to Maintain and Control Traffic.

The contractor is to install warning signs for wide loads in advance of the bridge under the direction of the Engineer. The Department will not measure installation, maintenance, or removal for payment, and will consider these incidentals to Maintain and Control Traffic.

4. TEMPORARY PAVEMENT STRIPING

Skip lines and/or solid lines through the length of the tapers for lane closures and other striping as directed by the Engineer shall be temporarily covered with 6” black removable tape. Permanent removal of all other pavement striping for traffic control shall be considered incidental to Maintain and Control Traffic. Temporary pavement striping shall be paid only once per course in accordance with Section 112.04.07. The Contractor shall replace any temporary striping that becomes damaged or fails to adhere to the pavement before dark on the day of the notification. **A penalty of \$500.00 per day will be assessed for failing to replace temporary striping within this time limit.**

5. PROJECT PHASING & CONSTRUCTION PROCEDURES

One lane of traffic shall be maintained on each bridge in accordance with Standard Drawing No. TTC-100 and TTC-110 C.E. The minimum clear lane width required is as follows:

<u>Structure</u>	<u>Clear Lane Width</u>
054B00208N	12’-0”
075B00070N	12’-0”
075B00074N	12’-0”
089B00110N	12’-0”

6. TEMPORARY SIGNAL

Provide, install, and maintain a temporary traffic signal as specified below. The Contractor must provide a 24-hour contact person and number available to maintain the temporary signals as needed.

<u>Structure</u>	<u>Signal</u>
054B00208N	2 Phase
075B00070N	2 Phase
075B00074N	2 Phase
089B00110N	2 Phase

7. MEASUREMENT.

Temporary Signs:

The Cabinet will measure this item by “Square Feet”.

Maintain and Control Traffic:

The Cabinet will measure this item by “Lump Sum”.

Lane Closure, and Temp Signal 2 Phase:

The Cabinet will measure this item by “Each”.

Pave Striping-Temp Rem Tape-B, W, and Y:

The Department will measure the quantity in “Linear Feet”.

8. PAYMENT.

Temporary Signs (02562)

Payment at the contract unit price for “Square Feet” is full compensation for all items to complete this work as specified.

Maintain and Control Traffic (02650):

Payment at the contract unit price for “Lump Sum” is full compensation for all items to complete this work as specified.

Lane Closure (02653) and Temp Signal 2 Phase (04933):

Payment at the contract unit price “Each” is full compensation for all items to complete this work as specified.

Pave Striping-Temp Rem Tape-B (06549), W (06550), and Y (06551):

Payment at the contract unit price “Lineal Feet” is full compensation for all items to complete this work as specified.

PROPOSAL BID ITEMS

Report Date 7/19/22

Section: 0001 - BRIDGES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02562		TEMPORARY SIGNS - 054B00208N	145.00	SQFT		\$	
0020	02650		MAINTAIN & CONTROL TRAFFIC - 054B00208N	1.00	LS		\$	
0030	02653		LANE CLOSURE - 054B00208N	2.00	EACH		\$	
0040	03294		EXPAN JOINT REPLACE 1 1/2 IN - 054B00208N	92.20	LF		\$	
0050	03304		BRIDGE OVERLAY APPROACH PAVEMENT - 054B00208N	1,011.00	SQYD		\$	
0060	04933		TEMP SIGNAL 2 PHASE - 054B00208N	1.00	EACH		\$	
0070	06514		PAVE STRIPING-PERM PAINT-4 IN - 054B00208N	780.00	LF		\$	
0080	06549		PAVE STRIPING-TEMP REM TAPE-B - 054B00208N	1,000.00	LF		\$	
0090	06550		PAVE STRIPING-TEMP REM TAPE-W - 054B00208N	2,000.00	LF		\$	
0100	06551		PAVE STRIPING-TEMP REM TAPE-Y - 054B00208N	2,000.00	LF		\$	
0110	08150		STEEL REINFORCEMENT - 054B00208N	270.00	LB		\$	
0120	08504		EPOXY SAND SLURRY - 054B00208N	30.00	SQYD		\$	
0130	08526		CONC CLASS M FULL DEPTH PATCH - 054B00208N	1.00	CUYD		\$	
0140	08534		CONCRETE OVERLAY-LATEX - 054B00208N	23.40	CUYD		\$	
0150	08549		BLAST CLEANING - 054B00208N	591.00	SQYD		\$	
0160	08551		MACHINE PREP OF SLAB - 054B00208N	561.00	SQYD		\$	
0170	24094EC		PARTIAL DEPTH PATCHING - 054B00208N	11.70	CUYD		\$	

Section: 0002 - BRIDGES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0180	02562		TEMPORARY SIGNS - 075B00074N	145.00	SQFT		\$	
0190	02650		MAINTAIN & CONTROL TRAFFIC - 075B00074N	1.00	LS		\$	
0200	02653		LANE CLOSURE - 075B00074N	2.00	EACH		\$	
0210	03299		ARMORED EDGE FOR CONCRETE - 075B00074N	55.00	LF		\$	
0220	03304		BRIDGE OVERLAY APPROACH PAVEMENT - 075B00074N	612.00	SQYD		\$	
0230	04933		TEMP SIGNAL 2 PHASE - 075B00074N	1.00	EACH		\$	
0240	06514		PAVE STRIPING-PERM PAINT-4 IN - 075B00074N	678.00	LF		\$	

PROPOSAL BID ITEMS

Report Date 7/19/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0250	06549		PAVE STRIPING-TEMP REM TAPE-B - 075B00074N	1,000.00	LF		\$	
0260	06550		PAVE STRIPING-TEMP REM TAPE-W - 075B00074N	2,000.00	LF		\$	
0270	06551		PAVE STRIPING-TEMP REM TAPE-Y - 075B00074N	2,000.00	LF		\$	
0280	08150		STEEL REINFORCEMENT - 075B00074N	270.00	LB		\$	
0290	08504		EPOXY SAND SLURRY - 075B00074N	38.00	SQYD		\$	
0300	08526		CONC CLASS M FULL DEPTH PATCH - 075B00074N	1.00	CUYD		\$	
0310	08534		CONCRETE OVERLAY-LATEX - 075B00074N	16.80	CUYD		\$	
0320	08549		BLAST CLEANING - 075B00074N	442.00	SQYD		\$	
0330	08551		MACHINE PREP OF SLAB - 075B00074N	404.00	SQYD		\$	
0340	24094EC		PARTIAL DEPTH PATCHING - 075B00074N	8.40	CUYD		\$	

Section: 0003 - BRIDGES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0350	02562		TEMPORARY SIGNS - 075B00070N	145.00	SQFT		\$	
0360	02650		MAINTAIN & CONTROL TRAFFIC - 075B00070N	1.00	LS		\$	
0370	02653		LANE CLOSURE - 075B00070N	2.00	EACH		\$	
0380	03294		EXPAN JOINT REPLACE 1 1/2 IN - 075B00070N	67.00	LF		\$	
0390	03304		BRIDGE OVERLAY APPROACH PAVEMENT - 075B00070N	745.00	SQYD		\$	
0400	04933		TEMP SIGNAL 2 PHASE - 075B00070N	1.00	EACH		\$	
0410	06514		PAVE STRIPING-PERM PAINT-4 IN - 075B00070N	514.00	LF		\$	
0420	06549		PAVE STRIPING-TEMP REM TAPE-B - 075B00070N	1,000.00	LF		\$	
0430	06550		PAVE STRIPING-TEMP REM TAPE-W - 075B00070N	2,000.00	LF		\$	
0440	06551		PAVE STRIPING-TEMP REM TAPE-Y - 075B00070N	2,000.00	LF		\$	
0450	08150		STEEL REINFORCEMENT - 075B00070N	270.00	LB		\$	
0460	08504		EPOXY SAND SLURRY - 075B00070N	42.00	SQYD		\$	
0470	08534		CONCRETE OVERLAY-LATEX - 075B00070N	23.70	CUYD		\$	
0480	08549		BLAST CLEANING - 075B00070N	610.00	SQYD		\$	
0490	08551		MACHINE PREP OF SLAB - 075B00070N	568.00	SQYD		\$	

PROPOSAL BID ITEMS

Report Date 7/19/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0500	24094EC		PARTIAL DEPTH PATCHING - 075B00070N	11.80	CUYD		\$	

Section: 0004 - BRIDGES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0510	02562		TEMPORARY SIGNS - 089B00110N	145.00	SQFT		\$	
0520	02650		MAINTAIN & CONTROL TRAFFIC - 089B00110N	1.00	LS		\$	
0530	02653		LANE CLOSURE - 089B00110N	2.00	EACH		\$	
0540	03294		EXPAN JOINT REPLACE 1 1/2 IN - 089B00110N	91.20	LF		\$	
0550	03299		ARMORED EDGE FOR CONCRETE - 089B00110N	91.20	LF		\$	
0560	03304		BRIDGE OVERLAY APPROACH PAVEMENT - 089B00110N	1,011.00	SQYD		\$	
0570	04933		TEMP SIGNAL 2 PHASE - 089B00110N	1.00	EACH		\$	
0580	06514		PAVE STRIPING-PERM PAINT-4 IN - 089B00110N	730.00	LF		\$	
0590	06549		PAVE STRIPING-TEMP REM TAPE-B - 089B00110N	1,000.00	LF		\$	
0600	06550		PAVE STRIPING-TEMP REM TAPE-W - 089B00110N	2,000.00	LF		\$	
0610	06551		PAVE STRIPING-TEMP REM TAPE-Y - 089B00110N	2,000.00	LF		\$	
0620	08150		STEEL REINFORCEMENT - 089B00110N	270.00	LB		\$	
0630	08504		EPOXY SAND SLURRY - 089B00110N	97.00	SQYD		\$	
0640	08526		CONC CLASS M FULL DEPTH PATCH - 089B00110N	1.00	CUYD		\$	
0650	08534		CONCRETE OVERLAY-LATEX - 089B00110N	34.20	CUYD		\$	
0660	08549		BLAST CLEANING - 089B00110N	917.00	SQYD		\$	
0670	08551		MACHINE PREP OF SLAB - 089B00110N	820.00	SQYD		\$	
0680	24094EC		PARTIAL DEPTH PATCHING - 089B00110N	17.10	CUYD		\$	

Section: 0006 - DEMOB

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0840	02569		DEMOBILIZATION	1.00	LS		\$	