



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Rebecca Goodman
SECRETARY

August 18, 2026

CALL NO. 401
CONTRACT ID NO. 262902
ADDENDUM # 1

Subject: Russell County, FE02 104 0127 B00002N
Letting August 20, 2026

- (1) Added - Special Note - Pages 16A-16E of 48
- (2) Revised - Material Summary - Pages 24-25 of 48
- (3) Revised - Proposal Bid Items - Pages 47-48 of 48

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

Special Note for Concrete Patching

The following sections provide the requirements for concrete patching. This includes the preparation of the site area, the removal of concrete within the repair area, cleaning and repair of the reinforcing steel, restoration of the concrete section, and quality control after the repair concrete is cured.

References to the "Department" refer to the Kentucky Department of Highways and/or consultants acting on behalf of the Department. All section references are to the KYTC Standard Specifications.

In all cases, the Department reserves the right to request raw data, field notes and/or other available information that may be necessary to evaluate the results of testing specified in this Special Provision. Upon request, provide any available information at no additional cost to the Department.

In all cases, the Department reserves the right to perform testing to obtain independent results of testing specified in this Special Provision. Upon request, provide any assistance required for Department personnel to perform such testing at no additional cost to the Department.

At the request of the Engineer, personnel representing the Contractor (including testing subcontractors) and the Department may be required to attend a pre-test meeting to discuss procedures related to testing, reports, reviews, etc. This meeting will be at no additional cost to the Department.

Unless noted otherwise, the Department will respond to the Contractor regarding acceptability of submittals referenced in this Special Provision within 6 (six) business days. A "Business Day" is defined as any day except Saturdays, Sundays and Holidays, as defined in Section 101.03 of the Standard Specifications.

Each Contractor submitting a bid for this work shall make a thorough inspection of the site prior to submitting his bid and shall thoroughly familiarize himself with existing conditions so that the work can be expeditiously performed after a contract is awarded. Submission of a bid will be considered evidence of this inspection having been made. Any claims resulting from site conditions will not be honored by the Department. Quantities given are approximate. The quantity for "Concrete Patching Repair" shall be bid with the contingency that quantities may be increased, decreased, or eliminated by the Engineer. Dispose of all removed materials entirely away from the job site as approved by the Engineer. This work is incidental to the contract unit price for "Concrete Patching Repair".

1.0 Description

This work shall consist of furnishing all materials, labor, equipment and supervision necessary for the patching of concrete, at repair areas shown in the contract plans and as directed by the Engineer.

1.1 Materials

Concrete patching materials listed in the LAM are approved for use. Where specifically called out in the plans, Class A or AA concrete as specified in Section 601 may be used.

1.2 Equipment

Furnish all labor, materials, tools, equipment, and incidental items necessary to complete the work.

1.3 Delivery, Storage, and Handling

The products shall be delivered and stored in original, unopened containers. Containers must be clearly marked with legible and intact labels listing the Manufacturer's name, brand name, product identification and batch number.

2.0 Contractor Submittals

Contractor shall submit the following documentations and obtain approval 7 days before work commences.

1. The manufacturer's product literature for all proprietary products. This includes technical information, safety data sheets and instructions for mixing, placement and curing.
2. A project safety plan that includes at minimum: any personal protective equipment to be used by the contractor's staff and procedures for emergencies and accidents.

3.0 Construction Requirements

3.1 Preparation of Site Area

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highways 2026 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, and the Contract Plans. Before work starts, safe access to the bridge must be provided. In accordance with Section 107.01.01, this must be provided for the Engineer to sound possible repair areas and for workers to complete the construction.

3.2 Removal of concrete within Repair Area

Deteriorated and delaminated concrete should be identified and marked by the Engineer before starting the removal process. Sounding, thermal imaging or other suitable methods should be used for identification (e.g. ASTM D4580).

If the concrete cannot be removed due to structural reasons, the structural capacity should always take precedence over the durability of the member. A structural engineer should be consulted when removing concrete where compressive stresses exist (e.g. columns). The sequence of concrete removal described in the contract document shall be followed. When a sequence is not described, the contractor shall obtain a sequence from the engineer prior to start of work. Unless specifically directed by the Engineer, depth of removal shall not exceed 4 inches.

The repair area should extend to a minimum of 3 inches beyond the deteriorated or delaminated concrete. The configuration of the repair area should be kept simple. Having a rectangular area with square corners is preferred. Reentrant corners should be avoided due to their susceptibility to cracking. The perimeter of the repair area should be saw cut to 1.0 inch depth to provide a vertical edge for the repair material.

Use abrasive blasting or high-pressure water cleaning where possible or other mechanical means to remove residual dust, debris, fractured concrete, and other contaminants that prevent proper bonding. Blowing with oil-free compressed air is necessary if dirt is still present after blasting. The final surface texture should be rough with a 1/8 to 1/4 inch of amplitude.

When removing concrete with exposed reinforcing steel, remove concrete around the exposed reinforcement to allow for cleaning and bonding with the repair material around the circumference of the reinforcement. Pneumatic, electric or other impact breakers, hydro demolition or other suitable method that does not exceed 20 pounds can be used to remove concrete. A minimum clearance of 3/4 inch between the exposed reinforcing steel and the concrete or 1/4 inch larger than the coarse aggregate in the repair material, whichever is greater should be provided. If the coarse aggregate size is not known, coarse aggregate size of 3/4 inch should be used when determining clearance. Sound concrete may have to be removed to provide adequate clearance around the reinforcing steel. The removal of concrete should extend along the reinforcing steel until there is no more delamination and cracking of concrete or significant corrosion on the reinforcing steel

3.3 Cleaning of Reinforcing Steel

Use oil-free abrasive or high-pressure water blasting to remove all bond inhibiting material such as rust, dirt, concrete slurry and loosely bonded concrete. Coat all exposed rebar with cold galvanizing compound and follow the manufacturer's recommendations for steel surface preparation. If shown in the contract documents, add cathodic protection to the reinforcing steel based on the Manufacturer's recommendations.

3.4 Repair of Reinforcing Steel

Consult the Engineer if reinforcing steel has corroded and lost more than 10% of cross-sectional area. Reinforcing steel may be repaired by adding supplemental reinforcing within the damaged steel area. Loose reinforcement should be secured in its original position to prevent movement

during placement of the repair material. Ensure that all exposed steel reinforcement is tied in accordance with Section 602.03.04. Supplemental reinforcing should be lap spliced and extend beyond the deteriorated concrete area. All added reinforcement to supplement deteriorated steel is incidental to Concrete Patching Repair.

3.5 Restoration of Concrete Section

The concrete substrate and any exposed reinforcing steel should be clean, sound and free of surface moisture and frost before placement of patching material. Final blast cleaning shall be completed within twelve (12) hours prior to placement of concrete. The patching material shall have a compressive strength equal to or greater than that of the original concrete. The patching material should be approved by the engineer. Bond strength of the repair material to the existing concrete should be a minimum of 200 psi. When compatible with the patching material, a Type V epoxy bonding agent shall be used in accordance with Section 826 of the specifications.

Cracks within the existing concrete should be stabilized by epoxy injection. Engineer shall determine areas of cracks to epoxy inject. Follow all requirements of the Special Note for Epoxy Injection of Cracks. Substrate saturation may be needed depending on the repair material. Portland cement-based materials should have a saturated surface-dry condition met prior to application of the repair mortar. Polymer bonding agents should not use a saturated surface-dry condition and should follow the manufacturer's surface preparation directions.

Application of the repair material on small areas of repair shall be completed by the following process. Scrub a thin bond coat of the repair material into the substrate and ensure pores are filled. Apply adequate pressure to the repair material and thoroughly consolidate the repair material into the corners of the patched area and around any exposed reinforcement to ensure full encapsulation. If a second lift is required, roughen the surface of the first lift to maintain a bond between the two lifts. Cure the repair according to the manufacturer's recommendations. For cement-based repair materials, perform fogging, wetting, and/or any appropriate method approved by the Engineer. For large repair areas, formwork may be used and placed around the damaged section. The formwork should be mortar tight when vibrated. Formwork should be removed only when the repair material has gained sufficient strength.

4.0 Field QC/QA

After completion of the curing, tensile bond testing shall be performed. The testing shall be in accordance with ICRI Technical Guideline 210.3R and ASTM C1583/C1583M. Up to one location per substructure unit and one location per span shall be performed, as directed by the Engineer.

5.0 Measurement

Concrete patching areas shall be measured by the horizontal or vertical square foot of exposed face, regardless of depth patched.

6.0 Payment

The Department will make payment for the completed and accepted quantities of concrete patching under the following:

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
22146EN	Concrete Patching Repair	Square Feet

The Department will consider payment as full compensation for all work required herein.

MATERIAL SUMMARY

CONTRACT ID: 262902

FE02 104 0127 B00002N

MB10400802601

KY 80 (HIGHWAY 80) BRIDGE 104B00034N (KY 80) OVER GOOSE CREEK AT MILE POINT 09.45 BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	02562	TEMPORARY SIGNS	145.00	SQFT
0010	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0015	02653	LANE CLOSURE	2.00	EACH
0020	03304	BRIDGE OVERLAY APPROACH PAVEMENT	667.00	SQYD
0025	04933	TEMP SIGNAL 2 PHASE	1.00	EACH
0030	06514	PAVE STRIPING-PERM PAINT-4 IN	1,625.00	LF
0035	06549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF
0040	06550	PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF
0045	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0050	08150	STEEL REINFORCEMENT	270.00	LB
0055	08504	EPOXY SAND SLURRY	76.30	SQYD
0060	08526	CONC CLASS M FULL DEPTH PATCH	3.60	CUYD
0065	08534	CONCRETE OVERLAY-LATEX	14.40	CUYD
0070	08549	BLAST CLEANING	346.30	SQYD
0075	08551	MACHINE PREP OF SLAB	343.40	SQYD
0080	24094EC	PARTIAL DEPTH PATCHING	7.20	CUYD
0085	24981EC	BRIDGE CLEANING - APPLIES TO 104B00034N	1.00	LS
0090	24982EC	CONCRETE COATING - APPLIES TO 104B00034N	1.00	LS
0095	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 262902 FE02 104 0127 B00002N MB10401272601

US 127 (US BUSINESS 127) BRIDGE 104B00002N (US 127) OVER GREASY CREEK AT MILE POINT 00.21
BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	02562	TEMPORARY SIGNS	145.00	SQFT
0010	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0015	02653	LANE CLOSURE	2.00	EACH
0020	03294	EXPAN JOINT REPLACE 1 1/2 IN	96.00	LF
0025	03299	ARMORED EDGE FOR CONCRETE	96.00	LF
0030	03304	BRIDGE OVERLAY APPROACH PAVEMENT	266.70	SQYD
0035	04933	TEMP SIGNAL 2 PHASE	1.00	EACH
0040	06514	PAVE STRIPING-PERM PAINT-4 IN	2,200.00	LF
0045	06549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF
0050	06550	PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF
0055	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0060	08150	STEEL REINFORCEMENT	270.00	LB
0065	08504	EPOXY SAND SLURRY	324.10	SQYD
0070	08526	CONC CLASS M FULL DEPTH PATCH	24.40	CUYD
0075	08534	CONCRETE OVERLAY-LATEX	48.70	CUYD
0080	08549	BLAST CLEANING	594.10	SQYD
0085	08551	MACHINE PREP OF SLAB	1,166.70	SQYD
0090	24094EC	PARTIAL DEPTH PATCHING	24.40	CUYD
0095	24981EC	BRIDGE CLEANING - APPLIES TO 104B00002N	1.00	LS
0100	24982EC	CONCRETE COATING - APPLIES TO 104B00002N	1.00	LS
0105	02569	DEMOBILIZATION	1.00	LS
0110	40101	CONCRETE PATCHING - (ADDED 8-18-26)	1,500.00	SQFT

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PROPOSAL BID ITEMS

Report Date 8/18/26

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Section: 0001 - BRIDGE - 100B00034N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02562		TEMPORARY SIGNS	145.00	SQFT		\$	
0020	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0030	02653		LANE CLOSURE	2.00	EACH		\$	
0040	03304		BRIDGE OVERLAY APPROACH PAVEMENT	667.00	SQYD		\$	
0050	04933		TEMP SIGNAL 2 PHASE	1.00	EACH		\$	
0060	06514		PAVE STRIPING-PERM PAINT-4 IN	1,625.00	LF		\$	
0070	06549		PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF		\$	
0080	06550		PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF		\$	
0090	06551		PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF		\$	
0100	08150		STEEL REINFORCEMENT	270.00	LB		\$	
0110	08504		EPOXY SAND SLURRY	76.30	SQYD		\$	
0120	08526		CONC CLASS M FULL DEPTH PATCH	3.60	CUYD		\$	
0130	08534		CONCRETE OVERLAY-LATEX	14.40	CUYD		\$	
0140	08549		BLAST CLEANING	346.30	SQYD		\$	
0150	08551		MACHINE PREP OF SLAB	343.40	SQYD		\$	
0160	24094EC		PARTIAL DEPTH PATCHING	7.20	CUYD		\$	
0170	24981EC		BRIDGE CLEANING APPLIES TO 104B00034N	1.00	LS		\$	
0180	24982EC		CONCRETE COATING APPLIES TO 104B00034N	1.00	LS		\$	

Section: 0002 - BRIDGE - 100B00002N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0190	02562		TEMPORARY SIGNS	145.00	SQFT		\$	
0200	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0210	02653		LANE CLOSURE	2.00	EACH		\$	
0220	03294		EXPAN JOINT REPLACE 1 1/2 IN	96.00	LF		\$	
0230	03299		ARMORED EDGE FOR CONCRETE	96.00	LF		\$	
0240	03304		BRIDGE OVERLAY APPROACH PAVEMENT	266.70	SQYD		\$	
0245	40101		CONCRETE PATCHING (ADDED 8-18-26)	1,500.00	SQFT		\$	
0250	04933		TEMP SIGNAL 2 PHASE	1.00	EACH		\$	
0260	06514		PAVE STRIPING-PERM PAINT-4 IN	2,200.00	LF		\$	
0270	06549		PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF		\$	
0280	06550		PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF		\$	
0290	06551		PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF		\$	
0300	08150		STEEL REINFORCEMENT	270.00	LB		\$	
0310	08504		EPOXY SAND SLURRY	324.10	SQYD		\$	
0320	08526		CONC CLASS M FULL DEPTH PATCH	24.40	CUYD		\$	
0330	08534		CONCRETE OVERLAY-LATEX	48.70	CUYD		\$	
0340	08549		BLAST CLEANING	594.10	SQYD		\$	
0350	08551		MACHINE PREP OF SLAB	1,166.70	SQYD		\$	
0360	24094EC		PARTIAL DEPTH PATCHING	24.40	CUYD		\$	

Report Date 8/18/26

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0370	24981EC		BRIDGE CLEANING APPLIES TO 104B00002N	1.00	LS		\$	
0380	24982EC		CONCRETE COATING APPLIES TO 104B00002N	1.00	LS		\$	

Section: 0003 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0390	02569		DEMOBILIZATION	1.00	LS		\$	