



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

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

April 10, 2020

CALL NO. 102
CONTRACT ID NO. 201005
ADDENDUM # 1

Subject: JEFFERSON COUNTY, NHPP IM 2641 (183)
Letting April 24, 2020

- (1) Revised - Special Notes - Page 109 of 323
- (2) Revised - Special Note for Concrete Patching Repair - Pages 224-225
- (3) Revised - Delete Page 226 of 323

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

PROJECT PHASING & CONSTRUCTION PROCEDURES

No lane closures will be allowed during the following days:

May 22-25, 2020	Memorial Day Weekend
July 3-6, 2020	Independence Day Weekend
August 6-9, 2020	Street Rod Nationals
August 20, 2020 - September 8, 2020	KY State Fair, KY Derby, Labor Day Weekend
November 26-29, 2020	Thanksgiving Weekend
December 24-27, 2020	Christmas Weekend
December 31, 2020 - January 3, 2021	New Years Weekend

5:00 a.m. to 8:00 p.m.

Monday - Friday

In the event construction extends past the specified contract completion date, additional dates restricting lane closures may apply; the Department will determine these dates.

Traffic may be reduced to one lane in each direction during the following times:

Weeknights from 8 PM until 5 AM the following morning

Weekends from 8 PM Friday night until 5 AM the following Monday morning

The existing traffic configuration must be maintained at all other times unless otherwise directed by the Engineer.

Use only one lane closure in each direction of travel at the same time during the hours specified. Lane closures may only be in the active work area. The minimum allowable clear lane width will be 11 feet; however, make provisions for the passage of wide loads up to 16 feet in width, with approval of the Engineer. Use a lane closure all times work is being performed in the lane or adjacent shoulder. Remove existing striping by water blasting. Remove edge lines throughout the project as directed and/or approved by the Engineer. Paint temporary edge lines through the lane closure. Payment for water blasting existing striping will be considered incidental to the bid item "Maintain and Control Traffic".

Approximate full depth pavement repair locations are listed in the proposal. The Engineer will determine the exact location at the time of construction. Once removal of pavement at a particular repair location has begun, work continuously within the parameters outlined above to complete the work and eliminate the "hole". Place Type III Barricades immediately in front of each pavement removal area, until the new JPC Pavement achieves 3000 PSI compressive strength. Payment for Type III Barricades will be considered incidental to the bid item "Maintain and Control Traffic".

SPECIAL NOTE FOR CONCRETE PATCHING REPAIR

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's current Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, and this Note. Section references are to the Standard Specifications.

This work consists of the following:

- (1) Furnish all labor, materials, tools, and equipment
- (2) Provide safe access to the bridge substructure (piers) in accordance with Section 107.01.01, for the Engineer to sound possible repair areas and for workers to complete the construction
- (3) Remove the deteriorated concrete
- (4) Blast clean and prepare the surfaces for patching
- (5) Prime the areas immediately prior to patching
- (6) Apply the Vertical and Overhead Patch or Class "M" Concrete
- (7) Finish the patched surface
- (8) Maintain and control traffic
- (9) Any other work specified as part of this Contract

II. MATERIALS

- A. Vertical and Overhead Patching Material.** Conform to Manufacturer's Technical Guidance.
- B. Class "M" Concrete.** Use either "M1" or "M2". See Section 601.

III. CONSTRUCTION

- A. Remove Deteriorated Concrete.** Prior to beginning the concrete repairs, provide safe access to the substructure, in accordance with Section 107.01.01, for the Engineer to sound possible repair areas. The Engineer will sound the concrete with a hammer and mark the areas of concrete to be removed and patched. All areas of deteriorated concrete found should be repaired as part of this work. Final payment for "Concrete Patching Repair" will be the field measured quantity of patching completed in accordance with this Note and as designated by the Engineer.

Remove specified areas of deteriorated concrete as directed by the Engineer. The removal of unsound material shall be accomplished with hand tools or pneumatic hammers that do not exceed twenty (20) pounds. Precautions shall be exercised to protect the underlying sound material. Saw, route, or otherwise manipulate the sides of the patch so that the interface between the old concrete and patch area are perpendicular. Remove all deteriorated loose concrete to a minimum depth of 2" for repairs using vertical and overhead patching material and 4" for repairs using Class "M" Concrete. Also ensure concrete removal in the patch area extends at least three-quarters (3/4) inch beyond any steel reinforcement more than 50 percent exposed. Dispose of all removed material entirely away from the job site or as directed by the Engineer.

SPECIAL NOTE FOR CONCRETE PATCHING REPAIR

Extreme care shall be taken when removing the existing spalled or delaminated concrete so as not to damage the existing reinforcing steel. Completely clean all existing steel reinforcement encountered free of rust and leave in place. Wire brushing may be required to thoroughly clean exposed steel reinforcement. Repair or replace any damaged steel reinforcement as directed by the Engineer at no additional cost to the Department. Ensure that all exposed steel reinforcement is tied in accordance with Section 602.03.04.

- B. Prepare Concrete Surfaces for Patching.** Prepare concrete surfaces to be patched in accordance with Section 510.03.01. Final blast cleaning shall be completed within twelve (12) hours prior to placement of the epoxy mortar patch. Concrete must be sound, dry, and clean prior to placement of epoxy resin prime coat.
- C. Apply Vertical and Overhead Patching Material or Class “M” Concrete.** The Engineer shall have the option of designating a spalled or delaminated area to be repaired using Class “M” high early strength concrete or a Vertical and Overhead Patching Material. Any material used must be approved by the Engineer. Refer to the Transportation Cabinet, Division of Materials’ List of Approved Materials for currently approved materials for vertical and overhead patching. Place either the Class “M” Concrete or Vertical and Overhead Patching Material as approved by the Engineer. Place the epoxy resin primer in accordance with the standard specifications and Manufacturer’s recommendations. Place the Vertical and Overhead Patching Material in accordance with the Manufacturer’s specifications to restore the deteriorated areas to their original dimensions as directed by the Engineer. Place Class “M” Concrete according to the Standard Specifications.

IV. MEASUREMENT

- A. Concrete Patching Repair.** The Department will measure the quantity in square feet.

V. PAYMENT

- A. Concrete Patching Repair.** Payment at the Contract unit price per square foot is full compensation for removal of deteriorated concrete, preparation of the concrete surface, application of the Vertical and Overhead Patching Material or Class “M” Concrete, application of the epoxy resin seal coat, and all incidental items necessary to complete the work in accordance with this Note.

The Department will consider payment as full compensation for all work required by this Note.