



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
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Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

January 26, 2021

CALL NO. 201
CONTRACT ID NO. 212955
ADDENDUM # 2

Subject: KENTON COUNTY, 059GR21M007-NHPP
Letting January 29, 2021

- (1) Revised - Special Note for Concrete Sealing - Page 29 of 153
- (2) Revised - Special Notes - Pages 34-35 of 153

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 SEALING

1. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2019 Standard Specification for Road and Bridge Construction applicable Supplemental Specifications, Standard Drawings, this Note Section references are to the Standard Specifications. This work consists of the following: (1) Furnish all labor, materials, tools, and equipment.

2. MATERIALS.

A. Concrete Sealant (Bridge Barrier Wall)

Product	Supplier
Protectosil BHN	Evonik Industries
Protectosil 300	Evonik Industries
TK-590-40 Tri-Silane 40%	TK Products
Certivex Penseal 244 O/W 80	Vexcon
Master Protect H 440 VT (formerly Hydrozo Clear 40 VOC)	BASF
SW-244-100 DOT	Chemical Products Industries, Inc.
TK-590-1 MS Tri-Silane	TK Products

3. CONSTRUCTION.

A. Seal Concrete.

Clean Concrete. Dry clean concrete surfaces to remove all loose debris. Remove all visible hydrocarbons from the surface with detergent approved by the manufacturer of the deck sealant. Pressure wash all surfaces to be sealed at 2000 to 3000 psi. Install pressure gauges at each wand to verify pressure. Use 30° fan tip or as recommended by the manufacturer of the deck sealant. Hold pressure washing wand a minimum of 45° from the deck with a maximum stand-off distance of 12 inches. This includes the entire surface area of the bridge deck, interior faces and top of parapet walls including the end bent/abutment wing walls.

Seal Concrete. All concrete to be sealed must be clean and dry. Monitor weather conditions prior to sealer application. Refer to manufacturer's recommendations for proper ambient conditions. Do not apply sealer if precipitation is anticipated within the time stated by the manufacturer. Allow the deck to dry 24 hours (after washing or rain event) before sealer application. The deck can be reopened to traffic while drying. Sealer must be applied within 48 hours of washing or the deck must be rewashed. Divide the deck into predefined areas of specific square footage to aid in determining usage. Comply with manufacturer's usage recommendation. Using a low pressure pump, apply sealer and spread evenly with broom or squeegee; do not allow pooling to remain. When each predefined area is complete, measure the amount of sealer used to verify proper usage. After sealing, follow manufacturer's recommended cure time before opening to traffic. This includes all faces of the barrier walls. See attached detailed drawings for limits, locations, etc.

8. TEMPORARY CONCTETE BARRIERS

All lane closures specified shall require temporary Concrete Barriers 9t (**NO ALTERNATIVES ALLOWED**) shall be used to protect work area in the shoulder closure and the median clear zones. All temporary barrier for shoulder closures shall be use in accordance with Standard Drawing TTC-120 C.E. All other applications of temporary barrier shall use required end treatment. If median cable barrier is present the temporary concrete barrier will not be required. Temporary Concrete Barriers shall remain the Contractor's property and shall be removed from the construction site upon completion of construction. Cost of temporary concrete barrier 9t shall be considered incidental to the "Lump Sum Bid for Maintain and Control Traffic.

9. VEHICULAR PLATFORM USE

Should the use any vehicular platform methods and equipment to complete work with specified maintenance of traffic, the Contractor must submit their deployment plan to the using vehicular platform with the required traffic control plan submittal.

10. WRECKER SERVICE

The Contractor will have continuously on call a 24-hour wrecker service that the Contractor will promptly contact to remove any disabled vehicle with in the project limits. The wrecker service should have, but not be limited to, he following items/capabilities: cell phone, gasoline, jumper cables, vehicle pushing, and tire changing. The Contractor will be charged three thousand dollars (\$3,000) liquidated damages for each 15 minute period for any incidence when the wrecker service fails to reach the disabled vehicle beyond the 30 minute allotted response time. Payment for the wrecker service shall be considered incidental to the "Lump Sum Bid for Maintain and Control Traffic.

11. MISC.

The Contractor shall reduce the speed limit to **45 MPH** in areas signed for 55 MPH. The use of Double Fine Zones may be used at the Contractor's discretion. The Engineer may elect to use Variable Message Boards when necessary.

12. NARRITIVE

Maintain two usable 11 foot minimum lanes of North Bound I-71/I-75 and South Bound I-75 at all times in each direction. Ramp closure for the KY 8 on ramp will be permitted. South Bound I-71 traffic will be detoured to South Bound I-471 for the duration of the project. See South Bound I-71 South Bound detour plans.

Maintain one 12 foot minimum lane for all work over KY 8 (Forth Street) and Fifth Street. Single temporary lane closures for rigging containment installation will be permitted over Third Street (KY approach), West Mehring Way and Augusta Street (OH approach).

13. MEASUREMENT.

A. Maintain and Control Traffic: The Department will measure the quantity as "Lump Sum".

B. Portable Changeable Message Sign: The Department will measure the quantity for "Each".

14. PAYMENT.

A. Maintain and Control Traffic (02650): Payment of the contract lump sum amount for "maintain and control traffic" shall be full compensation for all items necessary to maintain and control traffic as specified for this project. All traffic control items shall remain the property of the contractor when the work is complete.

B. Portable Changeable Message Sign (02671): Payment at "each" shall be full compensation to furnish, install, maintain and remove all portable message signs as specified.