



CALL NO. 381

CONTRACT ID. 232966

KNOTT COUNTY

FED/STATE PROJECT NUMBER FE02 060 0015 B00056N 05.69

DESCRIPTION SMITHSBORO ROAD (KY 15)

WORK TYPE BRIDGE REPAIRS

PRIMARY COMPLETION DATE 11/30/2023

LETTING DATE: May 25,2023

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME May 25,2023. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

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PART I
SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 12

CONTRACT ID - 232966

FE02 060 0015 B00056N 05.69

COUNTY - KNOTT

PCN - MB06000152301

FE02 060 0015 B00056N 05.69

SMITHBORO ROAD (KY 15) BRIDGE 060 B00056N OVER CARR FORK LAKE AT MP 05.69BRIDGE REPAIRS
GEOGRAPHIC COORDINATES LATITUDE 37:13:48.00 LONGITUDE 82:59:52.00
ADT

COMPLETION DATE(S):

COMPLETED BY 11/30/2023 APPLIES TO ENTIRE CONTRACT

CONTRACT NOTES

PROPOSAL ADDENDA

All addenda to this proposal must be applied when calculating bid and certified in the bid packet submitted to the Kentucky Department of Highways. Failure to use the correct and most recent addenda may result in the bid being rejected.

BID SUBMITTAL

Bidder must use the Department's electronic bidding software. The Bidder must download the bid file located on the Bid Express website (www.bidx.com) to prepare a bid packet for submission to the Department. The bidder must submit electronically using Bid Express.

JOINT VENTURE BIDDING

Joint venture bidding is permissible. All companies in the joint venture must be prequalified in one of the work types in the Qualifications for Bidders for the project. The bidders must get a vendor ID for the joint venture from the Division of Construction Procurement and register the joint venture as a bidder on the project. Also, the joint venture must obtain a digital ID from Bid Express to submit a bid. A joint bid bond of 5% may be submitted for both companies or each company may submit a separate bond of 5%.

UNDERGROUND FACILITY DAMAGE PROTECTION

The contractor shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor's responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives. When prescribed in said directives, the contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom shall be contacted through their individual Protection Notification Center. Non-compliance with these directives can result in the enforcement of penalties.

REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

Pursuant to KRS 176.085(1)(b), an agency, department, office, or political subdivision of the Commonwealth of Kentucky shall not award a state contract to a person that is a foreign entity required by [KRS 14A.9-010](#) to obtain a certificate of authority to transact business in the Commonwealth ("certificate") from the Secretary of State under [KRS 14A.9-030](#) unless the person produces the certificate within fourteen (14) days of the bid or proposal opening. If the foreign entity is not required to obtain a certificate as provided in [KRS 14A.9-010](#), the foreign entity should identify the applicable exception. Foreign entity is defined within [KRS 14A.1-070](#).

For all foreign entities required to obtain a certificate of authority to transact business in the Commonwealth, if a copy of the certificate is not received by the contracting agency within the time frame identified above, the foreign entity's solicitation response shall be deemed non-responsive or the awarded contract shall be cancelled.

Businesses can register with the Secretary of State at <https://secure.kentucky.gov/sos/ftbr/welcome.aspx>.

SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT

Questions about projects during the advertisement should be submitted in writing to the Division of Construction Procurement. This may be done by fax (502) 564-7299 or email to kytc.projectquestions@ky.gov. The Department will attempt to answer all submitted questions. The Department reserves the right not to answer if the question is not pertinent or does not aid in clarifying the project intent.

The deadline for posting answers will be 3:00 pm Eastern Daylight Time, the day preceding the Letting. Questions may be submitted until this deadline with the understanding that the later a question is submitted, the less likely an answer will be able to be provided.

The questions and answers will be posted for each Letting under the heading "Questions & Answers" on the Construction Procurement website (www.transportation.ky.gov/contract). The answers provided shall be considered part of this Special Note and, in case of a discrepancy, will govern over all other bidding documents.

HARDWOOD REMOVAL RESTRICTIONS

The US Department of Agriculture has imposed a quarantine in Kentucky and several surrounding states, to prevent the spread of an invasive insect, the emerald ash borer. Hardwood cut in conjunction with the project may not be removed from the state. Chipping or burning on site is the preferred method of disposal.

INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES

Identification of excess material sites and borrow sites shall be the responsibility of the Contractor. The Contractor shall be responsible for compliance with all applicable state and federal laws and may wish to consult with the US Fish and Wildlife Service to seek protection under Section 10 of the Endangered Species Act for these activities.

ACCESS TO RECORDS

The contractor, as defined in KRS 45A.030 (9) agrees that the contracting agency, the Finance and Administration Cabinet, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this contract for the purpose of financial audit or program review. Records and other prequalification information confidentially

disclosed as part of the bid process shall not be deemed as directly pertinent to the contract and shall be exempt from disclosure as provided in KRS 61.878(1)(c). The contractor also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884.

In the event of a dispute between the contractor and the contracting agency, Attorney General, or the Auditor of Public Accounts over documents that are eligible for production and review, the Finance and Administration Cabinet shall review the dispute and issue a determination, in accordance with Secretary's Order 11-004.

BUILD AMERICA, BUY AMERICA ACT (BABA)

On November 15, 2021, President Biden signed into law the Infrastructure Investment and Jobs Act (IIJA), Pub. L. No. 117-58, includes the Build America, Buy America Act (“the Act”). Pub. L. No. 117-58, §§70901-52. The Act strengthens the Buy America preference to include “construction materials.” The current temporary waiver for **“construction materials”** will expire on November 10, 2022.

The Act will apply to construction materials as outlined in the guidance issued in OMB [M-22-11](#).

Construction Materials – Includes an article, material, or supply – other than an item of primarily iron or steel; a manufactured product; cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives – that is or consists primarily of:

- Non-ferrous metals
- Plastic/polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables);
- Glass (including optic glass);
- Lumber; or
- Drywall.

Construction Materials only applies to items, materials, and supplies that are consumed in, incorporated into, or affixed to an infrastructure project.

Construction Materials does not apply to tools, equipment or supplies brought to the jobsite and removed before completion.

BOYCOTT PROVISIONS

If applicable, the contractor represents that, pursuant to [KRS 45A.607](#), they are not currently engaged in, and will not for the duration of the contract engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which Kentucky can enjoy open trade.

Note: The term Boycott does not include actions taken for bona fide business or economic reasons, or actions specifically required by federal or state law.

If applicable, the contractor verifies that, pursuant to KRS 41.480, they do not engage in, and will not for the duration of the contract engage in, in energy company boycotts as defined by KRS 41.472.

LOBBYING PROHIBITIONS

The contractor represents that they, and any subcontractor performing work under the contract, have not violated the agency restrictions contained in [KRS 11A.236](#) during the previous ten (10) years, and pledges to abide by the restrictions set forth in such statute for the duration of the contract awarded.

The contractor further represents that, pursuant to [KRS 45A.328](#), they have not procured an original, subsequent, or similar contract while employing an executive agency lobbyist who was convicted of a crime related to the original, subsequent, or similar contract within five (5) years of the conviction of the lobbyist.

February 1, 2023

SPECIAL NOTE FOR RECIPROCAL PREFERENCE

RECIPROCAL PREFERENCE TO BE GIVEN BY PUBLIC AGENCIES TO RESIDENT BIDDERS

By reference, KRS 45A.490 to 45A.494 are incorporated herein and in compliance regarding the bidders residency. Bidders who want to claim resident bidder status should complete the Affidavit for Claiming Resident Bidder Status along with their bid in the electronic bidding software. Submittal of the Affidavit should be done along the bid in Bid Express.

April 30, 2018

**SPECIAL NOTES
DISTRICT NO. 12
BRIDGE DECK REPLACEMENT
KNOTT COUNTY
CID 232966**

FE02 060 0015 B00056N 05.69

Knott County ~ KY 15 (Smithboro Road) over Carr Fork Lake

Geographic Coordinates

Latitude 37° 13' 48.00'' (37.2301)

Longitude -82° 59' 52.00'' (-82.9978)

Description

195'-235'-195' WSPG Spans, Drawing Nos. 18760 and 19541

LIST OF SPECIAL NOTES USED

Item No.

Bridge No. - Knott 060B00056N

- Special Note for Concrete Patching Repair
- Special Note for Embankment Repair
- Special Note for Epoxy Injection Crack Repair
- Special Note for Existing Concrete Removal
- Special Note for Painting Structural Steel Repairs
- Special Note for Placing Bridge Approach Pavement
- Special Note for Preventative Maintenance
- Special Note for Sealing Bridge Decks
- Special Note for Steel Repair
- Special Note for Structural Removal and Renovations
- Special Note for Local Agency Communication
- Special Note for Contract Completion Date and Penalties on Bridge Repair Contracts
- Special Note for Bridge Plans

SPECIAL NOTE FOR CONCRETE PATCHING REPAIR

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highways 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the Contract Documents. Section references are to the Standard Specifications.

This work consists of the following:

1. Furnish all labor, materials, tools, equipment, and incidental items necessary to complete the work.
2. Provide safe access to the bridge, 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. Prepare the surfaces for patching in accordance with Phoscrete Formula 3-VO Installation Guide.
5. Apply Phoscrete Primer in accordance with Phoscrete Formula 3-VO Installation Guide.
6. Place and finish Phoscrete in Phoscrete Formula 3-VO Installation Guide.
7. Apply an epoxy seal coat as directed and in accordance with the manufacturer's instructions.
8. Any other work specified as part of this contract.

II. MATERIALS

A. Epoxy Resin. Conform to Section 826.

B. Phoscrete Formula 3-VO.

C. Phoscrete Primer.

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 shown on the attached detail drawings and/or as directed by the Engineer. The removal of unsound material shall be accomplished with hand tools, hydrodemolition, 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 the concrete patch are perpendicular. Remove all deteriorated loose concrete to a minimum depth of 2". 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.

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. The Contractor must consult the Engineer before removing any concrete that is directly below the beam bearings.

- 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 Phoscrete patch. Concrete must be sound, dry, and clean prior to placement of Phoscrete Primer.
- C. Apply Phoscrete Primer in accordance with Phoscrete Primer Technical Data Guide.**
- D. Place and Finish Phoscrete Formula 3-VO in accordance with Installation Guide.**
- E. Apply Epoxy Resin Seal Coat.** As soon as 15 minutes after the final set of the last Phoscrete pour, apply a coat of epoxy resin over the entire patch and on the adjacent old concrete a minimum of two (2) inches. Be sure to work the epoxy resin seal coat thoroughly into any cracks that may have developed in the patch or in the interface of the patch and the old concrete. Place masking tape on the old concrete prior to applying this sealing coat of epoxy resin to insure a neat line. Remove tape after the sealing coat has cured adequately.

IV. MEASUREMENT

- A. Concrete Patching Repair.** The Department will measure the quantity in square feet. Double payment will not be made on both faces of corner repairs.

V. 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.

SPECIAL NOTE FOR BRIDGE EMBANKMENT REPAIR

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highways 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the Contract Documents. Section references are to the Standard Specifications.

This work consists of the following:

1. Furnish all labor, materials, tools, equipment, and incidental items necessary to complete the work.
2. Provide safe access to the Abutment 1 Embankment in accordance with Section 107.01.01 for the Engineer to determine repair areas and for workers to complete the construction.
3. Fill voids and line erosion ditches in the embankment with Channel Lining Class III partially grouted with concrete class "B" as specified in this note, the attached detail drawings, and as directed by the Engineer.
4. Any other work as specified as part of this contract.

II. MATERIALS

- A. Channel Lining Class II.** See Section 805.
- B. Concrete Class B.** See Section 601.

III. CONSTRUCTION

- A. Identify Repair Locations.** Prior to beginning the embankment repair, provide safe access to the abutment embankments, in accordance with Section 107.01.01, for the Engineer to identify repair areas.
- B. Place Fill Material.** Grade the slopes to 2H:1V or flatter where erosion occurs and fill voids in the embankment with Channel Lining Class III to a minimum thickness of 24 inches as shown on the plans. Place 24 inches of Channel Lining Class III throughout erosion ditches as shown on the plans and as directed by the Engineer. Partially grout Channel Lining Class III with Concrete Class "B" along the bottom of the ditch and up the slopes a minimum of 6 inches vertically as shown on the plans. Dispose of all collected and unused fill material entirely away from the job site or as directed by the Engineer. This work is incidental to the contract unit price for "Channel Lining Class III".

IV. MEASUREMENT

- A. Channel Lining Class III.** The Department will measure the quantity in tons. The department will not measure any excavation that may be required to place

embankment material and will consider this incidental to the pay items “Channel Lining Class III”

B. Conrete Class B. The Department will measure the quanti~~y~~ in cubic yards.

V. PAYMENT

The Department will make payment for the completed and accepted quantities of embankment repair under the following:

<u><i>Code</i></u>	<u><i>Pay Item</i></u>	<u><i>Pay Unit</i></u>
02484	Channel Lining Class III	Tons
02555	Concrete-Class B	Cubic Yards

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

SPECIAL NOTE FOR EPOXY INJECTION CRACK REPAIR

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highways 2012 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the Contract Documents. Section references are to the Standard Specifications.

This work consists of the following:

1. Furnish all labor, materials, tools, equipment, and incidental items necessary to complete the work.
2. Provide safe access to the bridge, in accordance with Section 107.01.01, for the Engineer to sound possible repair areas and for workers to complete the construction.
3. Drill injection port holes.
4. Epoxy injection.
5. Finish the repaired surface.
6. Obtain core samples for the Engineer's visual inspection.
7. Repair core holes.
8. Any other work specified as part of this contract.

II. MATERIALS, EQUIPMENT, PERSONNEL

A. Type IV Epoxy Resin. Use either Category I or II suitable for epoxy injection applications. See Section 826. All cracks shall be injected using an adhesive suitable for the field conditions (crack width, temperature, humidity, etc.) recommended by the adhesive manufacture as shown on material data sheets.

B. Equipment. Equipment used to inject the epoxy shall meet the recommendations of the epoxy injection material manufacturer.

C. Personnel. Arrange to have a manufacturer's representative at the job site to familiarize him and the Engineer with the epoxy materials, application procedures and recommended pressure practice. The representative shall direct at least one complete crack or area injection and be assured prior to his departure from the project that the personnel are adequately informed to satisfactorily perform the remaining repairs.

Furnish the Engineer a copy of the manufacturer's comprehensive preparation, mixing and application instructions which have been developed especially for use with the proposed epoxy injection system. Ensure that any significant changes to these instructions which are recommended by the representative for an unanticipated situation have been approved by the Engineer prior to the adoption of such changes.

III. CONSTRUCTION

- A. Investigate Remedial Action.** If the crack is larger than or equal to 0.025" wide or has rust stains, repair the crack by epoxy injection. If the crack is less than 0.025" wide, the crack shall be sealed in accordance with the Special Note for Preventative Maintenance. Areas of map cracking are to be sounded by the Engineer with a hammer. If the areas are delaminated or spalled, they shall be repaired in accordance with the Special Note for Concrete Patching. Otherwise, the cracks shall be repaired in accordance with this Note.
- B. Drill Injection Port Holes.** Install injection ports or tees in cracks to be injected. Space injection ports or tees at 6 to 12 inches vertically and 6 to 18 inches horizontally but in no case closer together than the thickness of the concrete member if full depth penetration is desired unless otherwise specified or directed. Set ports or tees in dust free holes made either with vacuum drills or chipping hammers.
- C. Epoxy Injection.** Seal all surface cracks in the area to be repaired, after injection ports or tees have been inserted into the holes, with paste epoxy between ports to insure retention of the pressure injection within the confines of the member. An alternate procedure of sealing the cracks before the injection holes have been made can be submitted to the Engineer for approval. Limit the application of paste epoxy to clean and dry surfaces. Limit substrate temperatures to not less than 45°F during epoxy applications.
- Begin the epoxy injection at the bottom of the fractured area and progress upward using a port or tee filling sequence that will ensure the filling of the lowermost injection ports or tees first.
- Establish injection procedures and the depths and spacings of holes at injection ports or tees. Use epoxy with flow characteristics and injection pressure that ensure no further damage will be done to the member being repaired. Ensure that the epoxy will first fill the innermost portion of the cracked concrete and that the potential for creating voids within the crack or epoxy will be minimized.
- D. Finish the Repaired Surface.** Remove the injection ports or tees flush with the concrete surface after the fractured area has been filled and the epoxy has partially cured (24 hours at ambient temperature not less than 60°F, otherwise not less than 48 hours). Roughen the surfaces of the repaired areas to achieve uniform surface texture. Remove any injection epoxy runs or spills from concrete surfaces.
- E. Obtain Core Samples.** Obtain two 4-inch diameter core samples in the first 25 linear feet of crack repaired and one core for each 25 linear feet thereafter. Take the core samples from locations determined by the Engineer and for the full crack depth. Cores will be visibly examined by the Engineer to determine the extent of epoxy penetration.
- F. Repair Core Holes.** Repair core holes in the concrete with non-shrink grout in accordance with Section 601.03.03(B) within 24 hours.

IV. MEASUREMENT

The Department will measure the quantity in linear feet along the centerline of the cracks. The Department will not measure preparation of the site for the Engineer’s access or removal and reapplication of repairs that do not satisfy the Engineer’s approval for payment and will consider them incidental to “Epoxy Injection Crack Repair”.

V. PAYMENT.

The Department will make payment for the completed and accepted quantities of repaired concrete cracks with epoxy injection under the following:

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
23744EC	Epoxy Injection Crack Repair	Linear Feet

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

SPECIAL NOTE FOR EXISTING CONCRETE REMOVAL

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highways 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the Contract Documents. Section references are to the Standard Specifications.

This work consists of the following:

1. Furnish all labor, materials, tools, equipment, and incidental items necessary to complete the work.
2. Remove the entire existing concrete deck, railing, deck drains, expansion joint hardware, and abutment concrete as detailed in the plans.
3. Clean existing reinforcement to remain in place.
4. Mechanically clean the tops of all stringers and girders with hand held power tools.
5. Contain all debris.
6. Any other work specified as part of this contract.

II. MATERIALS

Not Applicable.

III. CONSTRUCTION

The contractor shall submit the method of concrete removal to the Department for approval. Proper care must be taken to contain all existing paint (which may contain residual lead paint). Where shown in the plans, remove concrete in a manner that will preserve sound underlying concrete and existing reinforcing steel.

Note the following:

1. Concrete sawing shall be accomplished with a concrete saw capable of sawing concrete and steel reinforcement to a *specific* depth. Full-depth sawing shall be limited to within 2 in of the top flange of existing steel girders and stringers.
2. No wrecking ball, drop hammers or rig-mounted breakers are allowed.
3. Blasting is not allowed.

Absolutely no material shall be allowed to drop in the waterway or onto the banks below. The Contractor shall submit a plan for approval to the Engineer showing a method of containment to be used. If hydrodemolition is used, this plan should contain the method for control and filtering of all water discharged during operation. All wastes, and debris removed from the structure shall be disposed of away from the project site in an approved waste area or as directed by the Engineer.

IV. MEASUREMENT

- A. Bridge Deck Removal.** The Department will measure the quantity as one lump sum. All labor, materials, tools, equipment, and incidental items necessary to remove the concrete deck, railing, deck drains, and expansion joint hardware as detailed in the plans shall be incidental to the pay item “Remove Existing Deck”.
- B. Remove Substructure Concrete.** The Department will measure the quantity in cubic yards.

V. PAYMENT

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

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
23814EC	Remove Existing Deck	Lump Sum
24440EC	Remove Substructure Concrete	Cubic Yards

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

SPECIAL NOTE FOR PAINTING STRUCTURAL STEEL REPAIRS

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highways 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the Contract Documents. Section references are to the Standard Specifications.

This work consists of the following:

1. Furnish all labor, materials, tools, equipment, and incidental items necessary to complete the work.
2. Provide safe access to the bridge, in accordance with Section 107.01.01, for the Engineer to access possible repair areas and for workers to complete the construction.
3. Clean and prime the existing structural steel in accordance with this note and the attached detail drawings.
4. Prepare and prime the new structural steel in accordance with this note and the attached detail drawings.
5. Any other work specified as part of this contract.

II. MATERIALS

A. Paint. Conform to Section 607 or ASTM A123 for Galvanize.

III. CONSTRUCTION

- A. Clean and Prime existing structural steel.** All existing faying surfaces where new steel is to be installed shall be cleaned and receive the prime coat as specified in Section 607.03.23 of the Standard Specifications before any new steel is installed. Level of cleaning shall be to an **SSPC-SP 15** (Commercial Grade Power Tool Cleaning). All Power tools shall be equipped with vacuum shrouds and fitted with HEPA filters at their air exhausts. Maintain and operate all vacuum shrouded power tools to collect generated debris.
- B. Prepare and Prime new structural steel.** All new structural steel shall receive shop surface preparation and shop applied prime coating as specified. Faying surfaces shall receive only the prime coat specified. Necessary touch up/repair of the shop applied prime coat on the new steel may be performed in the field. Finish coatings shall be field applied as specified. Necessary touch up/repair of the shop applied prime coat on the new steel may be performed in the field. All finish coatings shall be field applied. In lieu of painting all new steel may be galvanized. All items necessary to complete painting as specified in this note shall be considered incidental to unit price bid for "Steel Repair" item.

C. Residual Lead. Residual lead paint may still be on bridge. The Contractor is advised to take all necessary protective measures including worker safety and environmental regulations when performing surface preparation and other work. The Department will not consider any claims based on residual lead paint.

IV. MEASUREMENT

All items of work necessary to complete cleaning and painting as specified in this Note shall be considered incidental to the unit prices bid for the structural steel repairs being completed.

V. PAYMENT

The Department will make payment for the completed and accepted quantities of cleaning and painting structural steel repairs as part of the unit prices bid for the structural steel repairs being completed. The Department will consider payment as full compensation for all work required.

SPECIAL NOTE FOR PLACING BRIDGE APPROACH PAVEMENT

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the Contract Documents. Section references are to the Standard Specifications.

This work consists of the following:

1. Furnish all labor, materials, tools, and equipment.
2. Mill the existing approach pavement.
3. Place new asphalt surface.
4. Repair the roadway shoulders, if needed.
5. Any other work specified as part of this contract.

II. MATERIALS

- A. CL2 ASPH SURF 0.38D PG 64-22.** This material shall be in accordance with the Standard Specifications.
- B. Tack Coat.** This material shall be in accordance with the Standard Specifications.
- C. DGA.** See Section 302.
- D. CL2 ASPH BASE 1.0D PG 64-22.** See Standard Specifications.

III. CONSTRUCTION

- A. Remove Existing Materials.** Remove the existing pavement material to provide for a minimum of 1½" new pavement surface from the bridge ends extending approximately 100 feet into the approach pavement at Abutment 1, 130 feet into the approach pavement at Abutment 4, and across the width of the approach pavement. The Engineer shall determine the actual length and width of the milling depending on site conditions at each bridge approach. Mill the existing surface so that the new asphalt surface will tie into the new armored edge on the newly constructed backwall and matches the elevation of the bridge end. The Engineer shall approve the Contractor's plan for restoring the approach grade prior to the removal of the existing surface. Dispose of all removed material entirely away from the job site or as directed by the Engineer.
- B. Shoulder Reconstruction.** Replace shoulders in kind at the approaches to match the width and new elevation of the riding surface on the bridge and to receive New Asphalt Surface Overlay. Shoulders shall receive identical treatment to the mainline pavement.
- C. Produce and Place New Asphalt Surface.** Apply an asphalt tack coat in accordance with Section 406. Produce and place the new 1½" asphalt surface in accordance with Section 403 and compact under Option B. The new asphalt surface mixture required for this project shall be "CL2 ASPH SURF 0.38D PG64-22". Place the new asphalt surface to smoothly connect the existing roadway grade at the end of the project, and the new abutment backwall.

D. Pavement Markings. Pavement striping will be required to match the existing pavement striping. Pavement striping shall be in accordance with applicable sections of the Standard Specifications and shall be paid accordingly. Raised pavement markers within the limits of the “Bridge Overlay Approach Pavement” shall be removed prior to the milling operation. The marker castings shall be cleaned and returned to the Engineer.

IV. MEASUREMENT

The Department will measure the quantity in square yards. The Department will measure along the centerline from each end of the structure to the point where the new pavement ties into the exiting pavement and across the width of the new pavement perpendicular to the centerline of the roadway.

V. PAYMENT

Payment at the contract unit price per square yard is full compensation for removing existing pavement markers, mobilization of milling equipment, removing specified existing pavement material, reconstruct shoulders as needed, furnishing and installing the asphalt tack coat, producing and placing the new asphalt surface, and all incidental items necessary to complete the work within the specified pay limits as specified by this note and as shown in the Contract Documents.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
03304	Bridge Overlay Approach Pavement	Square Yards

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

SPECIAL NOTE FOR PREVENTATIVE MAINTENANCE

I. 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 Attached Detailed Drawings. Section references are to the Standard Specifications. This work consists of the following: (1) Furnish all labor, materials, tools, and equipment, (2) Bridge Cleaning, (3) Pressure Washing, (4) Concrete Coatings and (5) Any other work specified as part of this contract.

II. MATERIALS

- A. Wash Water.** Use clean potable water for all pressure washing.
- B. Concrete Coatings.** See The Division of Material's list of approved materials for concrete coatings and Section 821.
- C. Rust Inhibitor.** Use the following rust inhibitor or approved equivalent:
- | Manufacturer | Lubricant |
|---------------------|------------------|
| Rhomar | Black Max |
- D. Bearing Lubricant.** Use one of the lubricants from the following manufacturers:
- | Manufacturer | Lubricant |
|---------------------|---------------------------------------|
| Bostik Inc. | Never Seez – Mariner's Choice |
| Mobil Oil | Mobil Centaur Moly NLGI Grades 1 or 2 |
| Certified Labs | Premalube #1 WG |

III. CONSTRUCTION

- A. Bridge Cleaning.** All debris shall be removed from the bridge components. See attached detailed drawings for each bridge addressing components having debris removal. Equipment for removing debris from the bridge components shall be determined by the Contractor, subject to the approval of the Engineer. The Contractor shall prevent any debris from entering any body of water, bridge drainage system, or traffic lanes. All debris removed shall be disposed of in a suitable off-site disposal facility. Prior to all cleaning work, the Contractor shall confirm that any bridge drainage system is not blocked by un-removable debris. A blocked drainage system is considered to be one from which debris cannot be removed using the means specified in this note. If the Engineer has been notified, and concurs that the drainage system is blocked prior to performing other cleaning work, then proceed at the direction of the engineer. If the Contractor does not inspect the bridge drainage system and notify the engineer prior to beginning work any blocked drains will be considered to be the result of the Contractor's operations, and all clearing and cleaning of the drainage system shall be done as part of the work of the specification. All vegetation present at areas of the bridge that are to be addressed in this proposal shall be removed as determined by the Engineer.
- All cost to complete Debris Removal, Clean Deck Drains and Remove**

Vegetation as specified shall be included in the Lump Sum price for “Bridge Cleaning”.

B. Stratified and Pack Rust Removal. Stratified and pack rust shall be removed from all bearing devices and specified limits of beams. All existing bearing lubrication shall be removed. See attached detailed drawings for each bridge showing location and quantity of the bearing devices. Hand tools including wire brushes, scrapers or impact devices (hand hammers or power chisels) are to be used for removing stratified and pack rust. All surfaces to have stratified and pack rust removed shall be cleaned to an SSPC SP-2 level. All debris collected shall be disposed of in a suitable off-site disposal facility. **All cost to complete Stratified, Pack Rust Removal and removal of existing bearing lubricant shall be considered incidental to the unit price bid for “Lubricate Bearing”.**

C. Pressure Washing. Specified bridge components shall be pressure washed. See attached detailed drawings for each bridge addressing components to be pressure washed. All equipment for pressure washing shall be operated at a minimum pressure of up 4,000 psi with 0 degree spinner tip and/or fan tips as determined by the engineer at the working location with a minimum flow rate of 3.5 gal/minute provided that these pressures do not damage any components of the structure. Pressure and flow rates shall be reduced to a level satisfactory to the Engineer should any damage occur due to power washing procedures. Pressure washing shall be operated at distance of approximately six inches from and perpendicular to the surface. All pressure washing wands shall be equipped with a gauge to accurately determine the amount pressure used. Pressure washing of any bridge element will proceed from top of wash area to bottom of wash area. Wash water will not be released to a bridge element previously washed. Preform all pressure washing at temperatures above 40 degrees Fahrenheit.

All cost to complete Pressure Washing as specified shall be included in the Lump Sum price for Lump Sum price for “Bridge Cleaning”.

D. Concrete Coatings Application. Specified bridge components shall have concrete coating applied to as specified after debris removal and power washing. See attached detailed drawings for addressing the bridge components. Use compressed air to remove any loose debris from the surfaces that are to be coated after power washing. See concrete coating diagram. All coatings shall be applied within manufacturers recommended dry film thickness range. For recommended conditions for application, see Section 614.03.02 and coatings supplier specifications. Allow the surfaces to be coated to dry before any coating is applied. The coating must be applied to a clean and dry surface. All coating application shall be executed using brushes, rollers, etc. No spray application will be permitted. The Department requires acceptance testing of samples obtained on a per-lot basis per-shipment. The Division of Materials will perform acceptance testing. See Section 821.04. The finish coat shall be Light Gray for Concrete. See Section 821.02.

All cost to complete Concrete Coating Application as specified shall be included in the Lump Sum price for “Concrete Coatings”.

- E. Rust Inhibitor Application.** After all stratified rust is removed from the member surface. The specified rust inhibitor shall be applied to the rusted areas of the structural steel within 4 feet of the joint or centerline of pier. This includes all primary steel members (beams, stringers, floor beams, diaphragms, etc.) in the specified limits. **All cost to complete Rust Inhibitor Application as specified shall be included in the unit price Each for “Bearing Lubrication”.**
- F. Bearing Lubrication Application.** After all stratified rust is removed from the member surface. The specified rust inhibitor shall be applied to the rusted areas of the structural steel within 4 feet of the joint or centerline of pier. This includes all primary steel members (beams, stringers, floor beams, diaphragms, etc.) in the specified limits. **All cost to complete Rust Inhibitor Application as specified shall be included in the unit price Each for “Bearing Lubrication”.**
- G. Sequence of Work.** Complete the work in the sequence below.
- 1) Debris Removal
 - 2) Stratified Rust Removal
 - 3) Pressure Washing
 - 4) Concrete Coating Application
 - 5) Rust Inhibitor Application
 - 6) Bearing Lubrication Application
- H. Inspection.** The Cabinet will provide inspection for all items required in this contract. Visual inspection will be required upon completion of each work item for each structure component or at the discretion of the Engineer at any time. All visual inspection shall be performed within arm’s length distance.
- 1) **Debris Removal:** Visual Inspection
 - 2) **Stratified Rust or Pack Rust Removal:** Visual Inspection and Scraper Test
any surface cleaned to SSPC SP2 will be inspected by a dull scraper test to ascertain adherence of existing coating and a hammer test for tightness of pack rust.
 - 3) **Power Washing:** Visual Inspection
 - 4) **Concrete Coating:**
Prime Coat Application Check for wet film thickness*, and defects in the Paint.
Finish Coat Application Check for wet film thickness*, paint appearance, color and quality of application.
 - 5) **Bearing Lubrication:** Visual Inspection
- I. Verifying Field Conditions.** The Contractor shall be familiar with all conditions at each bridge site. The Cabinet will not consider any claims due to the Contractor having not familiarized themselves with requirements of this work.
- J. Residual Lead.** Residual lead paint may still be on bridge. The Contractor is advised to take all necessary protective measures including worker safety and environmental regulations when performing surface preparation. The Department

will not consider any claims based on residual lead paint.

- K. Damage to the Structure.** The Contractor shall bear all responsibility and expense for any and all damage to the structure during the repair work, even to the removal and replacement of a fallen span, should the fallen span result from the contractors actions.

IV. MEASUREMENT

- A. Bridge Cleaning.** The Cabinet will measure this item by Lump Sum, completed and accepted.
- B. Concrete Coating.** The Cabinet will measure this item by Lump Sum, completed and accepted.
- C. Bearing Lubrication:** The Cabinet will measure this item by Each, completed and accepted.

V. PAYMENT

- A. Bridge Cleaning (24981EC).** Payment at the contract unit price for “Lump Sum” is full compensation for Debris Removal, Deck Drain Cleaning, Pressure Washing and all incidental items required to complete this with as specified in this note and attached detailed drawings.
- B. Concrete Coating (24982EC).** Payment at the contract unit price for “Lump Sum” is full compensation for applying the concrete coatings and all incidental items required to complete this work as specified in this note and attached detailed drawings.
- C. Bearing Lubrication (24983EC):** Payment at the contract unit price “Each” is full compensation for applying bearing lubrication and all incidental items required to complete this work as specified in this note and attached detailed drawings.

SPECIAL NOTE FOR SEALING BRIDGE DECKS

These Notes or designated portions thereof, apply where so indicated on the plans, proposals or bidding instruction.

- I. DESCRIPTION.** Perform all work in accordance with the Department's 2012 Standard Specifications, and applicable Supplemental Specifications, the attached sketches, and these Notes. Section references are to the Standard Specifications.

This work consists of: (1) Furnish all labor, materials, tools, and equipment; (2) Clean existing bridge deck; (3) Seal the existing bridge deck; (4) Maintain & control traffic; and, (5) Any other work specified as part of this contract.

II. MATERIALS.

- A. Sealer.** Use one of the following:

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

III. CONSTRUCTION.

- A. Cleaning the Deck.** Dry clean the deck 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.
- B. Sealing the Deck.** All concrete to be sealed must be clean, dry, and structurally sound. When concrete has been repaired, follow repair material manufacturer's recommended cure time prior to application of sealer. Allow new concrete to cure a minimum 28 days prior to application of sealer. 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.

C. Inspection: Monitor all aspects of the project to assure compliance to this specification. Observe and document general conditions during the entirety of the project. Verify that each phase of work has been satisfactorily completed prior to beginning the next phase. Phases are described as follows:

1. Dry cleaning to remove loose debris, verify and document:
 - a. All debris has been removed and disposed of properly.
2. Removal of hydrocarbons, verify and document:
 - a. The manufacturer's recommended detergent is used for removal.
 - b. Hydrocarbons have been satisfactorily removed.
3. Pressure washing, verify and document:
 - a. Washing pressure at the wand.
 - b. Tip size used.
 - c. Wash angle and stand-off distance.
 - d. The deck is satisfactorily cleaned.
4. Sealer application, verify and document:
 - a. Proper cure time for new concrete.
 - b. Deck surface is dry.
 1. Document time since washed.
 2. Was deck opened to traffic after washing?
 - c. Ambient conditions.
 1. Document ambient temperature, surface temperature, relative humidity, and dew point.
 - d. Application and distribution method.
 - e. Coverage to be complete and even.
 - f. Material is not allowed to remain pooled.
 - g. Monitor material usage.
 - h. No traffic until proper cure time is allowed.

IV. MEASUREMENT

- A. Concrete Sealing.** The Department will measure the quantity per square feet of each area restored.

V. PAYMENT

- A. Concrete Sealing.** Payment at the contract unit price per square feet is full compensation for the following: (1) Furnish all labor, materials, tools, and

equipment; (2) Clean existing bridge deck; (3) Seal the existing bridge deck; (4) Maintain & control traffic; and, (5) Any other work specified as part of this contract.

SPECIAL NOTE FOR STEEL REPAIR

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highways 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the Contract Documents. Section references are to the Standard Specifications.

This work consists of the following:

1. Furnish all labor, materials, tools, equipment, and incidental items necessary to complete the work.
2. Provide safe access to the bridge, in accordance with Section 107.01.01, for the Engineer to sound possible repair areas and for workers to complete the construction.
3. Prepare steel surfaces.
4. Install bearing repairs in accordance with this note and the attached drawings.
5. Contain all debris.
6. Any other work as specified as part of this contract.

II. MATERIALS

A. Structural Steel. ASTM A709 Grade 36 Minimum. See Section 812 of the Specifications.

B. Welding. See Section 813

III. CONSTRUCTION

A. Surface Preparation. Clean and prime the existing flange in accordance with the Special Note for Painting Structural Steel Repairs. New steel is to be shop prepared in accordance with the Special Note for Painting Structural Steel Repairs.

B. Bearing Repairs. Install bearing repair as specified in the attached detail drawings and in accordance with the Specifications. Perform field welding in accordance with AWS D1.5 current edition. Remove all loose mill scale, paint, grease oil, rust, moisture, and other materials prior to field welding. Grind the bottom flange to remove pitting or irregularities. Separation of steel parts in close contact greater than 1/16" requires an increase in the fillet weld leg as detailed equal to the separation distance. Grind the top surface of the new and existing bearing plates smooth once welding is complete.

C. Painting Structural Steel Repairs. Paint girder and repair angle in accordance with the Special Note for Painting Structural Steel Repairs and as directed by the Engineer.

IV. Measurement

All items of work necessary to complete cleaning and painting as specified in this Note shall be considered incidental to the unit prices bid for the structural steel repairs being completed.

V. Payment

The Department will make payment for the completed and accepted quantities of steel repairs as part of the unit prices bid for the structural steel repairs being completed. The Department will consider payment as full compensation for all work required.

SPECIAL NOTE FOR STRUCTURE REMOVAL AND RENOVATIONS

Notice of Intent (NOI) to Division of Air Quality

The roadway contractor is required to file a Notice of Intent (NOI) to the Division of Air Quality ten (10) business days (M-F) prior to the start of any demolition or rehabilitation work on the bridge superstructure (060B00056N). Please use the KY Environmental and Energy Cabinet eForm Portal to complete this task.

<https://dep.gateway.ky.gov/eForms/Account/Home.aspx>

It is also advised that copies of the submittal are to be sent to the Regional Office of the Kentucky Division of Air Quality [KY DAQ Regional Offices](#) to complete the notification

SPECIAL NOTE FOR LOCAL AGENCY COMMUNICATION

The Contractor shall be responsible for providing their work schedule and direct communication for informing when work is to commence or any changes to the work schedule to the following local agencies:

US AMRY CORPS OF ENGINEERS
843 SASSAFRAS CREEK ROAD
SASSAFRAS, KY 41759-8806
Phone - 606-642-3308
Email – jesse.b.saylor@usace.army.mil

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

- 1. COMPLETION DATE.** All work is to be completed by the date listed below:

STRUCTURE

COMPLETION DATE

060B00056N

November 30, 2023

Contrary to Section 108.07.03, A **penalty of \$10,000.00 per day** will be assessed for each day passed the November 30, 2023 Completion Date if not complete.

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 BRIDGE PLANS

See Project Related Information for 11x17 Bridge Plan Set.
Bridge Drawing Number 28771.



Andy Beshear
GOVERNOR

TRANSPORTATION CAB INET
200 Mero Street
Frankfort, Kentucky 406 01

Jim Gray
SECRETARY

Asbestos Inspection Survey

To: Tom Mathews

District: Central Office

Date: April 7, 2023

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

Project and Structure Identification

Project Number: Knott County

Structure ID: 060B00056N

Structure Location: KY 15 (Smithboro Road) over Carr Fork Lake

Sample Description: Any suspect materials collected were negative for asbestos.

Inspection Date: March 31, 2023

Results and Recommendations

The results of the samples collected were negative for the presence of asbestos above 1%.
No abatement is required at this time.

It is recommended that this report accompany the 10-Day Notice of Intent for Demolition ([Notification Form DEP 7036](#)) which is to be submitted to the Kentucky Division of Air Quality prior to abatement, demolition, or renovation of any building or structure in the Commonwealth.

MRS, Inc. Analytical Laboratory Division

(502) 495-1212
Fax: (502) 491-7111

BULK SAMPLE ASBESTOS ANALYSIS

Analysis N#	# 3304042	Address:	Knott County 060 B00056N
Client Name:	K Y T C		
Sampled By:	O'Dail Lawson		

[illegible]

Reviewed By: Winters Mena
Signature

The test relates only to the items tested. This report does not represent endorsement by NVLAP or any agency of the U.S. Government. Partial Reproduction of any part of this report is strictly prohibited. Samples shall be retained for (30) days.

AJHA #1 02459

TEAM KENTUCKY

200 Mero Street, 4th Floor West
Frankfort, Kentucky 40622
(502) 564-7250 fax (502) 564-5655

ENVIRONMENTAL TRAINING CONCEPTS, INC
P.O Box 99603 Louisville, KY 40269
(502)640-2951

Certification Number: ETC-AIR-032223-00200

O'Dail Lawson

has on 03-22-2023 attended and successfully completed the requirements and passed the examination with a score of 70% of better on the entitled course.

ASBESTOS INSPECTOR REFRESHER

Training was in accordance with 40 CFR Part 763 (AHERA) approved by the Commonwealth of Kentucky, the Indiana Department of Environmental Management, Tennessee Department of Environment & Conservation and The Arkansas Department of Environmental Quality. The above student received requisite training for Asbestos Accreditation under Title II of the Toxic Substance Act (TSCA).

Conducted at: 1520 Alliant Ave., Louisville, KY

Name - Training Manager

Expiration Date: 03-22-2024

Name - Instructor

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

STANDARD SPECIFICATIONS

Any reference in the plans or proposal to previous editions of the *Standard Specifications for Road and Bridge Construction* and *Standard Drawings* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2019* and *Standard Drawings, Edition of 2020*.

SUPPLEMENTAL SPECIFICATIONS

The contractor shall use the Supplemental Specifications that are effective at the time of letting. The Supplemental Specifications can be found at the following link:
<http://transportation.ky.gov/Construction/Pages/Kentucky-Standard-Specifications.aspx>

STANDARD DRAWINGS THAT APPLY

BRIDGE:

Rail System 40” Single Slope	BHS-010
Thrie-Beam Guardrail Transition TL-3	BHS-014
Armored Edges	BJE-001-14
Expansion Joints	BJE-002

ROADWAY:

Crash Cushion Type VI-BT	RBE-100-10
Guardrail End Treatment Type 2A	RBI-003-09
Concrete Barrier Wall Type 9T (Temporary)	RBM-115-10
Box Beam Stiffening PF Temporary Concrete Barrier	RBM-120-02
Guardrail System Transition	RBR-018

TRAFFIC:

Lane Closure Using Traffic Signals	TTC-110-04
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PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

**TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS**

**LABOR AND WAGE REQUIREMENTS
APPLICABLE TO OTHER THAN FEDERAL-AID SYSTEM PROJECTS**

- I. Application
- II. Nondiscrimination of Employees (KRS 344)

I. APPLICATION

1. These contract provisions shall apply to all work performed on the contract by the contractor with his own organization and with the assistance of workmen under his immediate superintendence and to all work performed on the contract by piecework, station work or by subcontract. The contractor's organization shall be construed to include only workmen employed and paid directly by the contractor and equipment owned or rented by him, with or without operators.

2. The contractor shall insert in each of his subcontracts all of the stipulations contained in these Required Provisions and such other stipulations as may be required.

3. A breach of any of the stipulations contained in these Required Provisions may be grounds for termination of the contract.

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age forty (40) and over, in admission to, or employment in any program established to provide apprenticeship or other training.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

Revised: January 25, 2017

II. NONDISCRIMINATION OF EMPLOYEES

**AN ACT OF THE KENTUCKY
GENERAL ASSEMBLY TO PREVENT
DISCRIMINATION IN EMPLOYMENT
KRS CHAPTER 344
EFFECTIVE JUNE 16, 1972**

The contract on this project, in accordance with KRS Chapter 344, provides that during the performance of this contract, the contractor agrees as follows:

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (forty and above); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age forty (40) and over. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, except that such a notice or advertisement may indicate a preference, limitation, or specification based on religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, when religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, is a bona fide occupational qualification for employment.

EXECUTIVE BRANCH CODE OF ETHICS

In the 1992 regular legislative session, the General Assembly passed and Governor Brereton Jones signed Senate Bill 63 (codified as KRS 11A), the Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (7) provides:

No present or former public servant shall, within six (6) months following termination of his office or employment, accept employment, compensation, or other economic benefit from any person or business that contracts or does business with, or is regulated by, the state in matters in which he was directly involved during the last thirty-six (36) months of his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, or for which he received, prior to his state employment, a professional degree or license, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved during the last thirty-six (36) months of his tenure in state government. This subsection shall not prohibit the performance of ministerial functions, including but not limited to filing tax returns, filing applications for permits or licenses, or filing incorporation papers, nor shall it prohibit the former officer or public servant from receiving public funds disbursed through entitlement programs.

KRS 11A.040 (9) states:

A former public servant shall not represent a person or business before a state agency in a matter in which the former public servant was directly involved during the last thirty-six (36) months of his tenure, for a period of one (1) year after the latter of:

- a) The date of leaving office or termination of employment; or
- b) The date the term of office expires to which the public servant was elected.

This law is intended to promote public confidence in the integrity of state government and to declare as public policy the idea that state employees should view their work as a public trust and not as a way to obtain private benefits.

If you have worked for the executive branch of state government within the past six months, you may be subject to the law's prohibitions. The law's applicability may be different if you hold elected office or are contemplating representation of another before a state agency.

Also, if you are affiliated with a firm which does business with the state and which employs former state executive-branch employees, you should be aware that the law may apply to them.

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, 1025 Capital Center Drive, Suite 104, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: May 23, 2022

Kentucky Equal Employment Opportunity Act of 1978

The requirements of the Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) shall apply to this Contract. The apparent low Bidder will be required to submit EEO forms to the Division of Construction Procurement, which will then forward to the Finance and Administration Cabinet for review and approval. No award will become effective until all forms are submitted and EEO/CC has certified compliance. The required EEO forms are as follows:

- EEO-1: Employer Information Report
- Affidavit of Intent to Comply
- Employee Data Sheet
- Subcontractor Report

These forms are available on the Finance and Administration's web page under ***Vendor Information, Standard Attachments and General Terms*** at the following address:
<https://www.eProcurement.ky.gov>.

Bidders currently certified as being in compliance by the Finance and Administration Cabinet may submit a copy of their approval letter in lieu of the referenced EEO forms.

For questions or assistance please contact the Finance and Administration Cabinet by email at **finance.contractcompliance@ky.gov** or by phone at 502-564-2874.

EMPLOYEE RIGHTS UNDER THE FAIR LABOR STANDARDS ACT

THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION

FEDERAL MINIMUM WAGE

\$7.25

 PER HOUR

BEGINNING JULY 24, 2009

OVERTIME PAY

At least $1\frac{1}{2}$ times your regular rate of pay for all hours worked over 40 in a workweek.

CHILD LABOR

An employee must be at least **16** years old to work in most non-farm jobs and at least **18** to work in non-farm jobs declared hazardous by the Secretary of Labor.

Youths **14** and **15** years old may work outside school hours in various non-manufacturing, non-mining, non-hazardous jobs under the following conditions:

No more than

- **3** hours on a school day or **18** hours in a school week;
- **8** hours on a non-school day or **40** hours in a non-school week.

Also, work may not begin before **7 a.m.** or end after **7 p.m.**, except from June 1 through Labor Day, when evening hours are extended to **9 p.m.** Different rules apply in agricultural employment.

TIP CREDIT

Employers of "tipped employees" must pay a cash wage of at least \$2.13 per hour if they claim a tip credit against their minimum wage obligation. If an employee's tips combined with the employer's cash wage of at least \$2.13 per hour do not equal the minimum hourly wage, the employer must make up the difference. Certain other conditions must also be met.

ENFORCEMENT

The Department of Labor may recover back wages either administratively or through court action, for the employees that have been underpaid in violation of the law. Violations may result in civil or criminal action.

Employers may be assessed civil money penalties of up to \$1,100 for each willful or repeated violation of the minimum wage or overtime pay provisions of the law and up to \$11,000 for each employee who is the subject of a violation of the Act's child labor provisions. In addition, a civil money penalty of up to \$50,000 may be assessed for each child labor violation that causes the death or serious injury of any minor employee, and such assessments may be doubled, up to \$100,000, when the violations are determined to be willful or repeated. The law also prohibits discriminating against or discharging workers who file a complaint or participate in any proceeding under the Act.

ADDITIONAL INFORMATION

- Certain occupations and establishments are exempt from the minimum wage and/or overtime pay provisions.
- Special provisions apply to workers in American Samoa and the Commonwealth of the Northern Mariana Islands.
- Some state laws provide greater employee protections; employers must comply with both.
- The law requires employers to display this poster where employees can readily see it.
- Employees under 20 years of age may be paid \$4.25 per hour during their first 90 consecutive calendar days of employment with an employer.
- Certain full-time students, student learners, apprentices, and workers with disabilities may be paid less than the minimum wage under special certificates issued by the Department of Labor.

For additional information:



1-866-4-USWAGE

(1-866-487-9243)

TTY: 1-877-889-5627



WWW.WAGEHOUR.DOL.GOV

PART IV

INSURANCE

Refer to
Kentucky Standard Specifications for Road and Bridge Construction,
current edition

PART V

BID ITEMS

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	113.00	TON		\$	
0020	00212		CL2 ASPH BASE 1.00D PG64-22	34.00	TON		\$	
0030	00301		CL2 ASPH SURF 0.38D PG64-22	10.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0040	02003		RELOCATE TEMP CONC BARRIER	765.00	LF		\$	
0050	02014		BARRICADE-TYPE III	2.00	EACH		\$	
0060	02351		GUARDRAIL-STEEL W BEAM-S FACE	326.00	LF		\$	
0080	02369		GUARDRAIL END TREATMENT TYPE 2A	2.00	EACH		\$	
0090	02372		REMOVE GUARDRAIL CON TO BR END	4.00	EACH		\$	
0100	02381		REMOVE GUARDRAIL	400.00	LF		\$	
0110	02562		TEMPORARY SIGNS	93.00	SQFT		\$	
0120	02585		EDGE KEY	172.00	LF		\$	
0130	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0140	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0150	02898		RELOCATE CRASH CUSHION	2.00	EACH		\$	
0160	03171		CONCRETE BARRIER WALL TYPE 9T	786.00	LF		\$	
0170	03304		BRIDGE OVERLAY APPROACH PAVEMENT	811.00	SQYD		\$	
0180	04935		TEMP SIGNAL	1.00	LS		\$	
0190	06510		PAVE STRIPING-TEMP PAINT-4 IN	4,236.00	LF		\$	
0200	08901		CRASH CUSHION TY VI CLASS BT TL2	2.00	EACH		\$	
0210	23010EN		PAVE MARK TEMP PAINT STOP BAR-24 IN	24.00	LF		\$	
0220	25078ED		THRIE BEAM GUARDRAIL TRANSITION TL-3	4.00	EACH		\$	

Section: 0003 - BRIDGE - 28771 - 060B00056N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0230	01691		FLUME INLET TYPE 2	1.00	EACH		\$	
0240	02484		CHANNEL LINING CLASS III	303.00	TON		\$	
0250	02555		CONCRETE-CLASS B	9.00	CUYD		\$	
0260	03299		ARMORED EDGE FOR CONCRETE	65.00	LF		\$	
0270	08001		STRUCTURE EXCAVATION-COMMON	99.00	CUYD		\$	
0280	08104		CONCRETE-CLASS AA	599.00	CUYD		\$	
0290	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	1,272.00	EACH		\$	
0300	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	1,258.00	EACH		\$	
0310	08150		STEEL REINFORCEMENT	1,342.00	LB		\$	
0320	08151		STEEL REINFORCEMENT-EPOXY COATED	229,203.00	LB		\$	
0330	08170		SHEAR CONNECTORS	1.00	LS		\$	
0340	08469		EXPANSION DAM-1.5 IN NEOPRENE	32.50	LF		\$	
0350	08472		EXPANSION DAM-4 IN NEOPRENE	32.50	LF		\$	
0360	22146EN		CONCRETE PATCHING REPAIR	287.00	SQFT		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0370	23218EC		FLOORBEAM REPAIR	2.00	EACH		\$	
0380	23378EC		CONCRETE SEALING	36,012.00	SQFT		\$	
0390	23387EC		WALKWAY GRATING	26.00	LF		\$	
0400	23494EC		INSPECTION WALKWAY	30.00	LF		\$	
0410	23744EC		EPOXY INJECTION CRACK REPAIR	185.00	LF		\$	
0420	23813EC		DECK DRAIN	8.00	EACH		\$	
0430	23814EC		REMOVE EXISTING DECK	1.00	LS		\$	
0440	23853EC		BEARING REPAIR	2.00	EACH		\$	
0450	24404EC		MECHANICAL REINF COUPLER-#7 EPOXY COATED	26.00	EACH		\$	
0460	24423EC		TEMPORARY SHORING	1.00	LS		\$	
0470	24440EC		REMOVE SUBSTRUCTURE CONCRETE	41.00	CUYD		\$	
0480	24981EC		BRIDGE CLEANING 060B00056N	1.00	LS		\$	
0490	24982EC		CONCRETE COATING 060B00056N	1.00	LS		\$	
0500	24983EC		BEARING LUBRICATION	4.00	EACH		\$	
0510	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	1,382.00	LF		\$	
0520	25047EC		STRIP SEAL EXPANSION JOINT - 4 INCH	65.00	LF		\$	

Section: 0004 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0530	02569		DEMOBILIZATION	1.00	LS		\$	