



CALL NO. 408

CONTRACT ID. 227030

PIKE - KNOTT COUNTIES

FED/STATE PROJECT NUMBER 121GR22085 (FD51 FEMA D23A/4663DR)

DESCRIPTION VARIOUS ROUTES IN DISTRICT 12 - 5 LOCATIONS

WORK TYPE BRIDGE REPLACEMENT

PRIMARY COMPLETION DATE 8/1/2023

LETTING DATE: December 08,2022

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME December 08,2022. Bids will be publicly announced at 10:00 AM EASTERN STANDARD 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 - 227030
121GR22085 (FD51 FEMA D23A/4663DR)
COUNTY - KNOTT
PCN - MB06011112201
FD51 060 1111 C010 00.02 (FEMA 4663)

PRATT DRIVE (CR 1111) BRIDGE 060C010 OVER LEFT FORK TROUBLESOME CREEKBRIDGE REPLACEMENT
GEOGRAPHIC COORDINATES LATITUDE 37:20:48.00 LONGITUDE -82:57:06.00
ADT

PCN - MB06013992201
FD51 060 1399 C015 00.11 (FEMA 4663)

DUKIES LANE (CR 1399) BRIDGE 060C015 OVER RIGHT FORK OF BEAVER CREEKBRIDGE REPLACEMENT
GEOGRAPHIC COORDINATES LATITUDE 37:17:59.00 LONGITUDE 82:46:22.00
ADT

PCN - MB06015552201
FD51 060 1555 C009 00.02 (FEMA 4663)

GOLDEN ROD DRIVE (CR 1555) BRIDGE 060C009 OVER RIGHT FORK OF BEAVER CREEKBRIDGE REPLACEMENT
GEOGRAPHIC COORDINATES LATITUDE 37:18:01.00 LONGITUDE -82:46:32.00
ADT

PCN - MB06015642201
FD51 060 1564 C012 00.02 (FEMA 4663)

VERNIE MINOR LANE (CR 1564) BRIDGE 060C012 OVER CANEY FORK AT MP 00.02BRIDGE REPLACEMENT
GEOGRAPHIC COORDINATES LATITUDE 37:20:27.00 LONGITUDE 82:54:03.00
ADT

COUNTY - PIKE

PCN - MB09819712201
FD51 098 1971 C00135N 00.01 (FEMA 4662)

HYLTON CHURCH ROAD (CR 1971) BRIDGE 098C00135N OVER ELKHORN CREEKBRIDGE REPLACEMENT
GEOGRAPHIC COORDINATES LATITUDE 37:13:47.00 LONGITUDE -82:31:22.00
ADT

COMPLETION DATE(S):

COMPLETED BY 08/01/2023	APPLIES TO ENTIRE CONTRACT
50 CALENDAR Days	APPLIES TO 060C00135N
50 CALENDAR Days	APPLIES TO 060C009
50 CALENDAR Days	APPLIES TO 060C010
50 CALENDAR Days	APPLIES TO 060C012
50 CALENDAR Days	APPLIES TO 060C015

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.

October 14, 2022

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
KNOTT COUNTY
BRIDGE REPLACEMENT
CID 22-7030 ~ 121GR22M085
BRIDGE NUMBER 060C009
FEMA D23A/4663-DR**

FD51 060 1555 C009 00.02

CR 1555 (Goldenrod Drive) over Right Fork Beaver Creek

Geographic Coordinates

Latitude 37° 18' 02.00'' (37.3005)

Longitude -82° 46' 32.00'' (-82.7756)

Description

Single Steel Span (Existing)

41'-6" PPC Box Beam Span (Proposed)

**SPECIAL NOTES FOR BRIDGE REPLACEMENT
060C009**

SPECIAL NOTE FOR PLACING BRIDGE OVERLAY APPROACH PAVEMENT

SPECIAL NOTE FOR EROSION CONTROL

SPECIAL NOTE FOR CONCRETE SEALING

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

SPECIAL NOTE FOR BRIDGE PLANS

SPECIAL NOTE FOR PLACING BRIDGE OVERLAY APPROACH PAVEMENT

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, 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. Removal of existing abutment backfill, if needed.
3. Structural Granular Backfill, as needed.
4. Mill the existing pavement.
5. Place new DGA, asphalt base, and asphalt surface
6. Repair the roadway shoulders, if needed.
7. Provide Pavement Markings if needed.
8. Any other work specified as part of this contract.

II. MATERIALS

- A. Structural Granular Backfill.** See Section 8.05.11
- B. DGA.** See Section 302.
- C. Tack Coat.** This material shall be in accordance with the Standard Specifications.
- D. CL2 ASPH BASE 1.0D PG 64-22.** See Standard Specifications
- E. ASPHALT LEVEL AND WEDGE.** See Standard Specifications
- F. CL2 ASPH SURF 0.38D PG 64-22.** This material shall be in accordance with the Standard Specifications.
- G. GRANULAR EMBANKMENT.** This material shall be in accordance with the Standard Specifications.
- H. Pavement Striping.** See Section 713.

III. CONSTRUCTION

- A. Foundation Preparation.** For projects involving the removal and replacement of the asphalt and backfill behind the new abutments or end bents, the required excavation, Type IV geotextile fabric, 4" perforated pipe, and new backfill shall be constructed as shown in Figure 1 as well as any excavation and grading needed to shape the bridge approaches to match the existing roadway template. See Special Provision 69 and the Standard Drawings regarding additional construction details as required.

Backfill material used behind newly constructed abutments on county routes may be constructed with Type III soil backfill. All existing abutments, abutments on state routes, and newly constructed or existing bents must be backfilled with material meeting Structural Granular Backfill specifications.

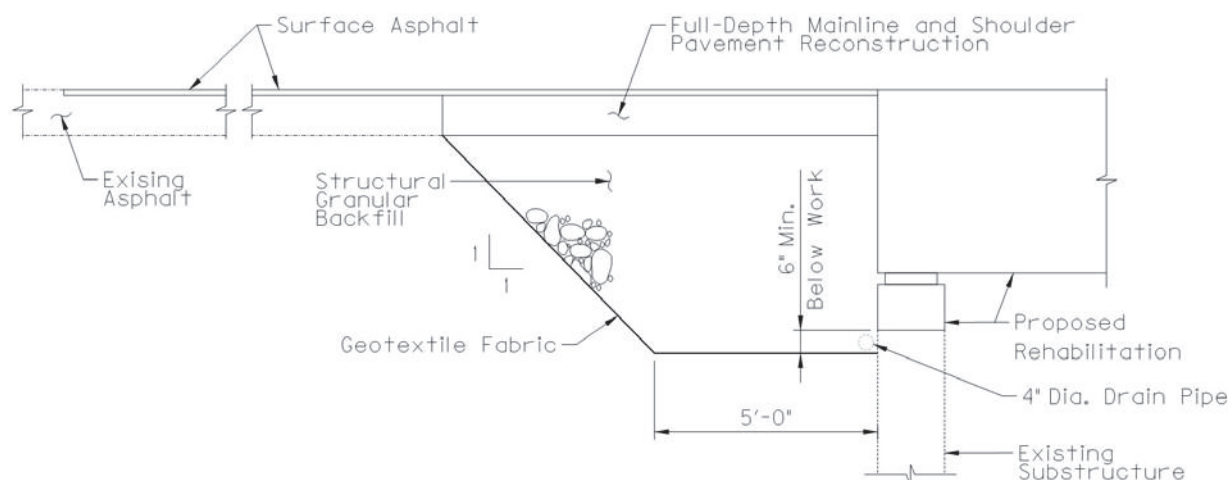


Figure 1: Detail showing proposed work for deck and superstructure replacements

- B. Remove Existing Asphalt Surface.** Remove the existing pavement material beyond the limits of full depth asphalt replacement to provide for a minimum of 1¼" new pavement surface from the bridge end extending approximately 25 feet, or as shown in the plans, into the approach pavement 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 match the elevation of the end of the full depth asphalt replacement and 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.
- C. Produce and Place New Asphalt Base.** Replace any full depth mainline and shoulder pavement removed as part of bridge backwall construction, superstructure replacement, or other work (if included in the Contract Documents) with a minimum of 8 inches of DGA, placed in two lifts of 4 inches each compacted and 8 inches of CL2 ASPH BASE 1.0D PG 64-22, placed in two lifts of 4 inches each compacted. Final elevation of the Asphalt Base at the approaches to match the width and new elevation of the riding surface on the bridge less the New Asphalt Surface to be placed. Shoulders shall receive identical treatment to the mainline pavement.
- D. Produce and Place New Asphalt Surface.** Apply an asphalt tack coat in accordance with Section 406. Produce and place the new 1 ¼" 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 PG 64-22". Place the new asphalt surface to smoothly connect the existing roadway grade at the end of the project, and/or the new abutment backwall.
- E. Granular Embankment for Guardrails.** When necessary to ensure compliance with standards, widen shoulders behind guardrail with granular embankment and cap with

DGA in accordance with plans or as directed by the Engineer. Remove existing topsoil as needed and place embankment in a manner to ensure proper compaction.

- F. Pavement Markings.** Pavement striping will be required to match the existing pavement striping on both approaches and the structure. Pavement striping shall be in accordance with applicable sections of the Standard Specifications and shall be incidental to the work. 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.

Special Note for Erosion Control

SPECIAL NOTE FOR EROSION CONTROL

The Contractor shall be responsible for filing the Kentucky Pollution Discharge Elimination System (KPDES) KYR10 permit Notice of Intent (NOI) with the Kentucky Division of Water (DOW) and any KPDES local Municipal Separate Storm Sewer System (MS4) program that has jurisdiction. The NOI shall name the contractor as the Facility Operator and include the KYTC Contract ID Number (CID) for reference.

The Contractor shall perform all temporary erosion/sediment control functions including: providing a Best Management Practice (BMP) Plan, conducting required inspections, modifying the BMP plan documents as construction progresses and documenting the installation and maintenance of BMPs in conformance with the KPDES KYR10 permit effective on December 1, 2014 or a permit re-issued to replace that KYR10 permit. This work shall be conducted in conformance with the requirements of Section 213 of KYTC 2019 Department of Highways, Standard Specifications for Road and Bridge Construction.

Contrary to Section 213.03.03, paragraph 2, the Engineer shall conduct inspections as needed to verify compliance with Section 213 of KYTC 2019 Department of Highways, Standard Specifications for Road and Bridge Construction. The Engineer's inspections shall be performed a minimum of once per month and within seven days after a storm of ½ inch or greater. Copies of the Engineer's inspections shall not be provided to the contractor unless improvements to the BMP's are required. The contractor shall initiate corrective action within 24 hours of any reported deficiency and complete the work within 5 days. The Engineer shall use Form TC 63-61 A for this report. Inspections performed by the Engineer do not relieve the Contractor of any responsibility for compliance with the KPDES permit.

Contrary to Section 213.05, bid items for temporary BMPs will not be listed and all work will instead be included in the lump sum contract cost. The schedule of values for the project should may utilize a lump sum item for "Temporary Erosion Control" to address all items included in section 213 of the Standard Specifications.

The contractor shall be responsible for applying "good engineering practices" as required by the KPDES permit. The contractor may use any temporary BMPs with the approval of the KYTC Engineer.

The contractor shall provide the Engineer copies of all documents required by the KPDES permit at the time they are prepared.

The contractor shall be responsible for the examination of the soils to be encountered and make his own independent determination of the temporary BMPs that will be required to accomplish effective erosion prevention and sediment control.

The Contractor shall be responsible for filing the KPDES permit Notice of Termination (NOT) with the Kentucky DOW and any local MS4 program that has jurisdiction. The NOT shall be filed after the Engineer agrees that the project is stabilized, or the project has been formally accepted.

SPECIAL NOTE FOR CONCRETE SEALING

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 2019 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 the bridge deck; (3) Seal the 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 300S	Evonik Industries
TK-590-40 Tri-Silane 40%	TK Products
SW-244-100	Chemical Products Industries, Inc.
TK-590-1 MS Tri-Silane	TK Products
MasterProtect H1000	BASF
Aquanil Plus 40	ChemMasters
SIL-ACT ATS-100	Advanced Chemical Technologies
Certivex Penseal BTS 100%	Vexcon
Pentreat 244-40	W.R. Meadows
Aquanil Plus 40A	ChemMasters

- B. Coverage Rate:** Follow all manufacturers recommendations for coverage rates except the application rate must not exceed the square footage coverage rate per gallon of sealer as given in the chart below. If the manufacturer recommends a coverage rate greater than given in the table below, apply sealer at the rate given in the table below for the chosen sealers silane percentage.

% Silane	Coverage rate (ft ² /gallon)
100	300
40	120
20	60

III. CONSTRUCTION.

- A. Curing Compound.** Contrary to Section 609.03.12 of the specifications, curing compound is not to be used on this deck due to potentially causing issues with the concrete sealer. During the deck pour, finishing, and tining operations the Class AA concrete shall be kept continuously moist with the use of a mister until burlap or curing blankets are applied to the surface. At no point should water be pooling or running off the surface or the surface of the concrete be allowed to become dry. After the burlap or curing blankets are installed, cure in accordance with the specifications. Include all costs in the unit price bid for Class AA concrete. Failure to properly cure the concrete in accordance with this note and the specifications may result in weakened or cracked concrete. If the concrete is weakened or cracked due to improper curing, the contractor will be responsible for providing alternates to fix the issues to the Engineer for review and the contractor will be solely responsible for all costs to do so, up to complete replacement. Do not begin any construction on fixing any issues without approval of the Engineer.
- B. 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.
- C. Sealing the Deck.** 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. On vertical surfaces, apply the sealer in a flooding application from the bottom up, so the material runs down 6 to 8 inches below the spray pattern.

D. 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 sealed.

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

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

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

<u>STRUCTURE</u>	<u>NO. OF CALENDAR DAYS</u>	<u>COMPLETION DATE</u>
060C012	50	July 1, 2023

The Contractor shall not begin any construction activities until Alice Lloyd College dismisses classes at the end of the 2023 spring semester. The start date shall be after May 9, 2023.

A **penalty of \$500.00 per day** will be assessed for all work that is not completed by the completion date of July 1, 2023.

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 Bridge Plans.
Bridge Drawing Number 28612 with Roadway Plans.

**SPECIAL NOTES
DISTRICT NO. 12
KNOTT COUNTY
BRIDGE REPLACEMENT
CID 22-7030 ~ 121GR22M085
BRIDGE NUMBER 060C010
FEMA D23A/4663-DR**

FD51 060 1111 C010 00.03

CR 1111 (Pratt Drive) over Left Fork Troublesome Creek

Geographic Coordinates

Latitude 37° 20' 48.00'' (37.3467)

Longitude -82° 57' 06.00'' (-82.9519)

Description

Steel Span (Existing)

27'-6'' PPC Box Beam Span (Proposed)

**SPECIAL NOTES FOR BRIDGE REPLACEMENT
060C010**

SPECIAL NOTE FOR PLACING BRIDGE OVERLAY APPROACH PAVEMENT

SPECIAL NOTE FOR EROSION CONTROL

SPECIAL NOTE FOR CONCRETE SEALING

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

SPECIAL NOTE FOR BRIDGE PLANS

SPECIAL NOTE FOR PLACING BRIDGE OVERLAY APPROACH PAVEMENT

I. DESCRIPTION

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This work consists of the following:

1. Furnish all labor, materials, tools, and equipment.
2. Removal of existing abutment backfill, if needed.
3. Structural Granular Backfill, as needed.
4. Mill the existing pavement.
5. Place new DGA, asphalt base, and asphalt surface
6. Repair the roadway shoulders, if needed.
7. Provide Pavement Markings if needed.
8. Any other work specified as part of this contract.

II. MATERIALS

- A. Structural Granular Backfill.** See Section 8.05.11
- B. DGA.** See Section 302.
- C. Tack Coat.** This material shall be in accordance with the Standard Specifications.
- D. CL2 ASPH BASE 1.0D PG 64-22.** See Standard Specifications
- E. ASPHALT LEVEL AND WEDGE.** See Standard Specifications
- F. CL2 ASPH SURF 0.38D PG 64-22.** This material shall be in accordance with the Standard Specifications.
- G. GRANULAR EMBANKMENT.** This material shall be in accordance with the Standard Specifications.
- H. Pavement Striping.** See Section 713.

III. CONSTRUCTION

- A. Foundation Preparation.** For projects involving the removal and replacement of the asphalt and backfill behind the new abutments or end bents, the required excavation, Type IV geotextile fabric, 4" perforated pipe, and new backfill shall be constructed as shown in Figure 1 as well as any excavation and grading needed to shape the bridge approaches to match the existing roadway template. See Special Provision 69 and the Standard Drawings regarding additional construction details as required.

Backfill material used behind newly constructed abutments on county routes may be constructed with Type III soil backfill. All existing abutments, abutments on state routes, and newly constructed or existing bents must be backfilled with material meeting Structural Granular Backfill specifications.

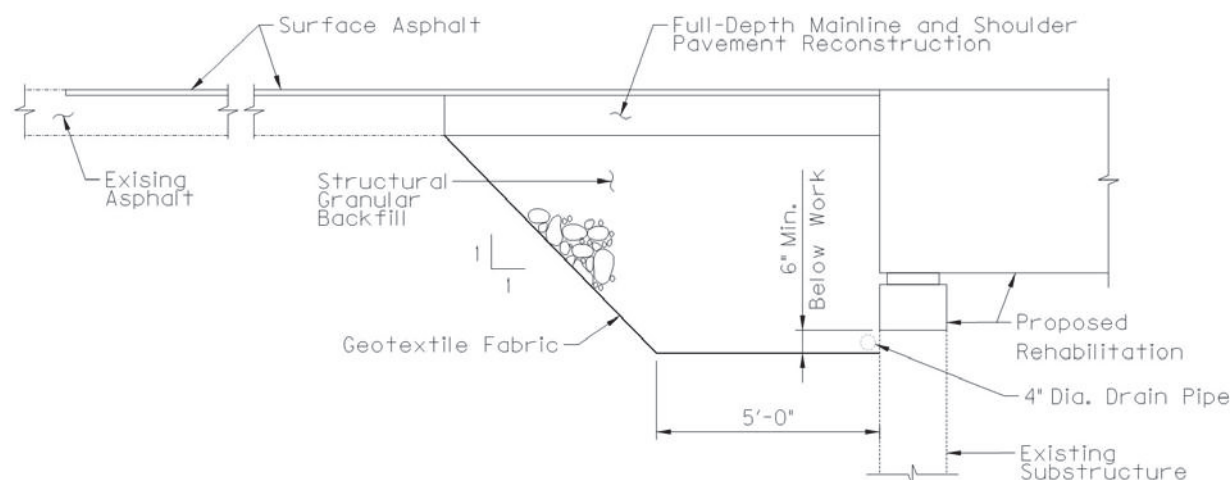


Figure 1: Detail showing proposed work for deck and superstructure replacements

- B. Remove Existing Asphalt Surface.** Remove the existing pavement material beyond the limits of full depth asphalt replacement to provide for a minimum of 1¼" new pavement surface from the bridge end extending approximately 25 feet, or as shown in the plans, into the approach pavement 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 match the elevation of the end of the full depth asphalt replacement and 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.
- C. Produce and Place New Asphalt Base.** Replace any full depth mainline and shoulder pavement removed as part of bridge backwall construction, superstructure replacement, or other work (if included in the Contract Documents) with a minimum of 8 inches of DGA, placed in two lifts of 4 inches each compacted and 8 inches of CL2 ASPH BASE 1.0D PG 64-22, placed in two lifts of 4 inches each compacted. Final elevation of the Asphalt Base at the approaches to match the width and new elevation of the riding surface on the bridge less the New Asphalt Surface to be placed. Shoulders shall receive identical treatment to the mainline pavement.
- D. Produce and Place New Asphalt Surface.** Apply an asphalt tack coat in accordance with Section 406. Produce and place the new 1 ¼" 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 PG 64-22". Place the new asphalt surface to smoothly connect the existing roadway grade at the end of the project, and/or the new abutment backwall.
- E. Granular Embankment for Guardrails.** When necessary to ensure compliance with standards, widen shoulders behind guardrail with granular embankment and cap with

DGA in accordance with plans or as directed by the Engineer. Remove existing topsoil as needed and place embankment in a manner to ensure proper compaction.

- F. Pavement Markings.** Pavement striping will be required to match the existing pavement striping on both approaches and the structure. Pavement striping shall be in accordance with applicable sections of the Standard Specifications and shall be incidental to the work. 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.

Special Note for Erosion Control

SPECIAL NOTE FOR EROSION CONTROL

The Contractor shall be responsible for filing the Kentucky Pollution Discharge Elimination System (KPDES) KYR10 permit Notice of Intent (NOI) with the Kentucky Division of Water (DOW) and any KPDES local Municipal Separate Storm Sewer System (MS4) program that has jurisdiction. The NOI shall name the contractor as the Facility Operator and include the KYTC Contract ID Number (CID) for reference.

The Contractor shall perform all temporary erosion/sediment control functions including: providing a Best Management Practice (BMP) Plan, conducting required inspections, modifying the BMP plan documents as construction progresses and documenting the installation and maintenance of BMPs in conformance with the KPDES KYR10 permit effective on December 1, 2014 or a permit re-issued to replace that KYR10 permit. This work shall be conducted in conformance with the requirements of Section 213 of KYTC 2019 Department of Highways, Standard Specifications for Road and Bridge Construction.

Contrary to Section 213.03.03, paragraph 2, the Engineer shall conduct inspections as needed to verify compliance with Section 213 of KYTC 2019 Department of Highways, Standard Specifications for Road and Bridge Construction. The Engineer's inspections shall be performed a minimum of once per month and within seven days after a storm of ½ inch or greater. Copies of the Engineer's inspections shall not be provided to the contractor unless improvements to the BMP's are required. The contractor shall initiate corrective action within 24 hours of any reported deficiency and complete the work within 5 days. The Engineer shall use Form TC 63-61 A for this report. Inspections performed by the Engineer do not relieve the Contractor of any responsibility for compliance with the KPDES permit.

Contrary to Section 213.05, bid items for temporary BMPs will not be listed and all work will instead be included in the lump sum contract cost. The schedule of values for the project should may utilize a lump sum item for "Temporary Erosion Control" to address all items included in section 213 of the Standard Specifications.

The contractor shall be responsible for applying "good engineering practices" as required by the KPDES permit. The contractor may use any temporary BMPs with the approval of the KYTC Engineer.

The contractor shall provide the Engineer copies of all documents required by the KPDES permit at the time they are prepared.

The contractor shall be responsible for the examination of the soils to be encountered and make his own independent determination of the temporary BMPs that will be required to accomplish effective erosion prevention and sediment control.

The Contractor shall be responsible for filing the KPDES permit Notice of Termination (NOT) with the Kentucky DOW and any local MS4 program that has jurisdiction. The NOT shall be filed after the Engineer agrees that the project is stabilized, or the project has been formally accepted.

SPECIAL NOTE FOR CONCRETE SEALING

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 2019 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 the bridge deck; (3) Seal the 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 300S	Evonik Industries
TK-590-40 Tri-Silane 40%	TK Products
SW-244-100	Chemical Products Industries, Inc.
TK-590-1 MS Tri-Silane	TK Products
MasterProtect H1000	BASF
Aquanil Plus 40	ChemMasters
SIL-ACT ATS-100	Advanced Chemical Technologies
Certivex Penseal BTS 100%	Vexcon
Pentreat 244-40	W.R. Meadows
Aquanil Plus 40A	ChemMasters

- B. Coverage Rate:** Follow all manufacturers recommendations for coverage rates except the application rate must not exceed the square footage coverage rate per gallon of sealer as given in the chart below. If the manufacturer recommends a coverage rate greater than given in the table below, apply sealer at the rate given in the table below for the chosen sealers silane percentage.

% Silane	Coverage rate (ft ² /gallon)
100	300
40	120
20	60

III. CONSTRUCTION.

- A. Curing Compound.** Contrary to Section 609.03.12 of the specifications, curing compound is not to be used on this deck due to potentially causing issues with the concrete sealer. During the deck pour, finishing, and tining operations the Class AA concrete shall be kept continuously moist with the use of a mister until burlap or curing blankets are applied to the surface. At no point should water be pooling or running off the surface or the surface of the concrete be allowed to become dry. After the burlap or curing blankets are installed, cure in accordance with the specifications. Include all costs in the unit price bid for Class AA concrete. Failure to properly cure the concrete in accordance with this note and the specifications may result in weakened or cracked concrete. If the concrete is weakened or cracked due to improper curing, the contractor will be responsible for providing alternates to fix the issues to the Engineer for review and the contractor will be solely responsible for all costs to do so, up to complete replacement. Do not begin any construction on fixing any issues without approval of the Engineer.
- B. 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.
- C. Sealing the Deck.** 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. On vertical surfaces, apply the sealer in a flooding application from the bottom up, so the material runs down 6 to 8 inches below the spray pattern.

D. 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 sealed.

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

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

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

<u>STRUCTURE</u>	<u>NO. OF CALENDAR DAYS</u>	<u>COMPLETION DATE</u>
060C010	50	August 1, 2023

All work for installation and removal of the By-pass Diversion will be excluded from the 50 allotted calendar days.

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

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

SPECIAL NOTE FOR BRIDGE PLANS

See Project Related Information for Bridge Plans.
Bridge Drawing Number 28544 with Roadway Plans.

**SPECIAL NOTES
DISTRICT NO. 12
KNOTT COUNTY
BRIDGE SUPERSTRUCTURE REPLACEMENT
CID 22-7030 ~ 060GR22M085
BRIDGE NUMBER 060C012
FEMA D23A/4663-DR**

FD51 060 1564 C012 00.02

CR 1564 (Vernie Minor Lane) over Caney Fork

Geographic Coordinates

Latitude 37° 20' 27.00" (37.3408)

Longitude -82° 54' 03.00" (-82.8674)

Description

Single Steel Span (Existing)

34'-0" PPC Box Beam Span (Proposed)

**SPECIAL NOTES FOR BRIDGE REPLACEMENT
060C012**

SPECIAL NOTE FOR CONCRETE SEALING

SPECIAL NOTE FOR CORROSION INHIBITORS

SPECIAL NOTE FOR NON-TACKING TACK

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

SPECIAL NOTE FOR BRIDGE PLANS

SPECIAL NOTE FOR CONCRETE SEALING

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 2019 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 the bridge deck; (3) Seal the 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 300S	Evonik Industries
TK-590-40 Tri-Silane 40%	TK Products
SW-244-100	Chemical Products Industries, Inc.
TK-590-1 MS Tri-Silane	TK Products
MasterProtect H1000	BASF
Aquanil Plus 40	ChemMasters
SIL-ACT ATS-100	Advanced Chemical Technologies
Certivex Penseal BTS 100%	Vexcon
Pentreat 244-40	W.R. Meadows
Aquanil Plus 40A	ChemMasters

- B. Coverage Rate:** Follow all manufacturers recommendations for coverage rates except the application rate must not exceed the square footage coverage rate per gallon of sealer as given in the chart below. If the manufacturer recommends a coverage rate greater than given in the table below, apply sealer at the rate given in the table below for the chosen sealers silane percentage.

% Silane	Coverage rate (ft ² /gallon)
100	300
40	120
20	60

III. CONSTRUCTION.

- A. Curing Compound.** Contrary to Section 609.03.12 of the specifications, curing compound is not to be used on this deck due to potentially causing issues with the concrete sealer. During the deck pour, finishing, and tining operations the Class AA concrete shall be kept continuously moist with the use of a mister until burlap or curing blankets are applied to the surface. At no point should water be pooling or running off the surface or the surface of the concrete be allowed to become dry. After the burlap or curing blankets are installed, cure in accordance with the specifications. Include all costs in the unit price bid for Class AA concrete. Failure to properly cure the concrete in accordance with this note and the specifications may result in weakened or cracked concrete. If the concrete is weakened or cracked due to improper curing, the contractor will be responsible for providing alternates to fix the issues to the Engineer for review and the contractor will be solely responsible for all costs to do so, up to complete replacement. Do not begin any construction on fixing any issues without approval of the Engineer.
- B. 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.
- C. Sealing the Deck.** 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. On vertical surfaces, apply the sealer in a flooding application from the bottom up, so the material runs down 6 to 8 inches below the spray pattern.

D. 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 sealed.

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

2CC

SPECIAL NOTE FOR CORROSION INHIBITORS

This Special Note will apply where indicated on the plans or in the proposal. Section references herein are to the Department's 2008 Standard Specifications for Road and Bridge Construction.

1.0 DESCRIPTION. Furnish and add an approved corrosion inhibitor to the plastic concrete mixture for precast, prestressed, non-composite, concrete deck units.

2.0 MATERIALS. Use one of the following:

- 1) W. R. Grace's DCI: The aqueous solution shall contain 30 ± 1 percent calcium nitrate by weight and shall weigh 10.6 ± 0.1 pounds per gallon.
- 2) Master Builder's Rheocrete 222: Use this product only with MBVR Concentrate air entraining admixture.
- 3) SIKA's Armatec 2000.
- 4) CORTEC's MCI 2000.

3.0 CONSTRUCTION. Ensure the air entraining, water reducing, or water reducing and retarding admixtures are compatible with the corrosion inhibitor. When corrosion inhibitors act as an accelerator in addition to inhibiting corrosion of the steel, adjust the quantities of other admixtures to produce acceptable workability and setting time accordingly.

Provide material matching the manufacturer's originally approved sample based on infrared spectrum analysis.

Ensure the manufacturer of the corrosion inhibitor is available at the request of the fabricator to provide technical assistance.

3.1 DCI Solution. Add to the concrete mixture at the rate of 4.0 gallons per cubic yard. Ensure that the solution does not contact other admixtures before entering the concrete. Consider the water in the DCI solution as part of the mixing water.

3.2 Rheocrete 222. Add to the concrete mixture at the rate of one gallon per cubic yard.

3.3 Armatec 2000. Add to the concrete mixture at the rate of 1/2 gallon per cubic yard.

3.4 MCI 2000. Add to the concrete mixture at the rate of 3 pints per cubic yard.

4.0 MEASUREMENT AND PAYMENT. The Department will not measure furnishing and incorporating the corrosion inhibitor into the concrete mixture for payment. The Department will consider furnishing and incorporating the corrosion inhibitor, and furnishing a manufacturer's representative for technical assistance incidental to the concrete deck units in which the corrosion inhibitor is used.

January 1, 2008

SPECIAL NOTE FOR NON-TRACKING TACK COAT

1. DESCRIPTION AND USEAGE. This specification covers the requirements and practices for applying a non-tracking tack asphalt coating. Place this material on the existing pavement course, prior to placement of a new asphalt pavement layer. Use when expedited paving is necessary or when asphalt tracking would negatively impact the surrounding area. This material is not suitable for other uses. Ensure material can “break” within 15 minutes under conditions listed in 3.2.
2. MATERIALS, EQUIPMENT, AND PERSONNEL.

2.1 Non-Tracking Tack. Provide material conforming to Subsection 2.1.1.

2.1.1 Provide a tack conforming to the following material requirements:

Property	Specification	Test Procedure
Viscosity, SFS, 77 ° F	20 – 100	AASHTO T 72
Sieve, %	0.3 max.	AASHTO T 59
Asphalt Residue ¹ , %	50 min.	AASHTO T 59
Oil Distillate, %	1.0 max.	AASHTO T 59
Residue Penetration, 77 ° F	0 - 30	AASHTO T 49
Original Dynamic Shear (G*/sin δ), 82 ° C	1.0 min.	AASHTO T 315
Softening Point, ° F	149 min.	AASHTO T 53
Solubility, %	97.5 min.	AASHTO T 44

¹ Bring sample to 212 °F over a 10-15 minute period. Maintain 212 °F for 15-20 minutes or until 30-40 mL of water has distilled. Continue distillation as specified in T59.

- 2.2. Equipment. Provide a distributor truck capable of heating, circulating, and spraying the tack between 170 °F and 180 °F. Do not exceed 180 °F. Circulate the material while heating. Provide the correct nozzles that is recommend by the producer to ensure proper coverage of tack is obtained. Ensure the bar can be raised to between 14” and 18” from the roadway.
- 2.3. Personnel. Ensure the tack supplier has provided training to the contractor on the installation procedures for this product. Make a technical representative from the supplier available at the request of the Engineer.

3. CONSTRUCTION.

3.1 Surface Preparation. Prior to the application of the non-tracking tack, ensure the pavement surface is thoroughly dry and free from dust or any other debris that would inhibit adhesion. Clean the surface by scraping, sweeping, and the use of compressed air. Ensure this preparation process occurs shortly before application to prevent the return of debris on to the pavement. If rain is expected within one hour after application, do not apply material. Apply material only when the surface is dry, and no precipitation is expected.

3.2 Non-tracking Tack Application. Placement of non-tracking tack is not permitted from October 1st to May 15th. When applying material, ensure the roadway temperature is a minimum of 40°F and rising. Prior to application, demonstrate competence in applying the tack according to this note to the satisfaction of the Engineer. Heat the tack in the distributor to between 170 – 180 °F. After the initial heating, between 170 – 180 °F, the material may be sprayed between 165 °F and 180 °F. Do not apply outside this temperature range. Apply material at a minimum rate of 0.70 pounds (0.08 gallons) per square yard. Ensure full coverage of the material on the pavement surface. Full coverage of this material is critical. Increase material application rate if needed to achieve full coverage. Schedule the work so that, at the end of the day's production, all non-tracking tack is covered with the asphalt mixture. If for some reason the non-tracking tack cannot be covered by an asphalt mixture, ensure the non-tracking tack material is clean and reapply the non-tracking tack prior to placing the asphalt mixture. Do not heat material more than twice in one day.

3.3 Non-tracking Tack Certification. Furnish the tack certification to the Engineer stating the material conforms to all requirements herein prior to use.

3.4 Sampling and Testing. The Department will require a sample of non-tracking tack be taken from the distributor at a rate of one sample per 15,000 tons of mix. Take two 1 gallon samples of the heated material and forward the sample to the Division of Materials for testing within 7 days. Ensure the product temperature is between 170 and 180 °F at the time of sampling.

4. MEASUREMENT. The Department will measure the quantity of non-tracking tack in tons. The Department will not measure for payment any extra materials, labor, methods, equipment, or construction techniques used to satisfy the requirements of this note. The Department will not measure for payment any trial applications of non-tracking tack, the cleaning of the pavement surface, or furnishing and placing the non-tracking tack. The Department will consider all such items incidental to the non-tracking tack.
5. PAYMENT. The Department will pay for the non-tracking tack at the Contract unit bid price and apply an adjustment for each manufacturer's lot of material based on the degree of compliance as defined in the following schedule. Non-tracking tack will not be permitted for use from October 1st to May 15th. During this timeframe, the department will allow the use of an approved asphalt emulsion in lieu of a non-tracking tack product but will not adjust the unit bid price of the material. When a sample fails on two or more tests, the Department may add the deductions, but the total deduction will not exceed 100 percent.

Non-Tracking Tack Price Adjustment Schedule						
Test	Specification	100% Pay	90% Pay	80% Pay	50% Pay	0% Pay
Viscosity, SFS, 77 ° F	20 – 100	19 - 102	17 - 18	15 - 16	14	≤13
			103 - 105	106 - 107	108 - 109	≥ 110
Sieve, %	0.30 max.	≤ 0.40	0.41 - 0.50	0.51 - 0.60	0.61 - 0.70	≥ 0.71
Asphalt Residue, %	50 min.	≥49.0	48.5 – 48.9	48.0 – 48.4	47.5-47.9	≤ 47.4
Oil Distillate, %	1.0 max.	≤1.0	1.1-1.5	1.6 - 1.7	1.8-1.9	>2.0
Residue Penetration, 77 ° F.	30 max.	≤ 31	32 - 33	34 - 35	36 - 37	≥ 38
Original Dynamic Shear (G*/sin δ), 82 ° C	1.0 min.	≥0.95	0.92 – 0.94	0.90 – 0.91	0.85 - 0.89	≤ 0.84
Softening Point, ° F	149 min.	≥145	142 - 144	140 - 141	138 - 139	≤ 137
Solubility, %	97.5 min.	≥ 97.0	96.8 – 96.9	96.6 – 96.7	96.4 – 96.5	≤ 96.3

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24970EC	Asphalt Material for Tack Non-Tracking	Ton

Revised: May 23, 2022

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

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

<u>STRUCTURE</u>	<u>NO. OF CALENDAR DAYS</u>	<u>COMPLETION DATE</u>
060C012	50	July 1, 2023

The Contractor shall not begin any construction activities until Alice Lloyd College dismisses classes at the end of the 2023 spring semester. The start date shall after May 9, 2023.

A **penalty of \$500.00 per day** will be assessed for all work that is not completed by the completion date of July 1, 2023.

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 Bridge Plans.
Bridge Drawing Number 28594 with Roadway Plans.

**SPECIAL NOTES
DISTRICT NO. 12
KNOTT COUNTY
BRIDGE REPLACEMENT
CID 22-7030 ~ 121GR22M085
BRIDGE NUMBER 060C015
FEMA D23A/4663-DR**

FD51 060 1399 C015 00.11

CR 1299 (Dukies Lane) over Right Fork Beaver Creek

Geographic Coordinates

Latitude 37° 17' 59.00'' (37.2998)

Longitude -82° 46' 22.00'' (-82.7727)

Description

Steel Span (Existing)

42'-6" PPC Box Beam Span (Proposed)

**SPECIAL NOTES FOR BRIDGE REPLACEMENT
060C015**

SPECIAL NOTE FOR SEALING BRIDGE DECKS

SPECIAL NOTE FOR TRAFFICE CONTROL PLAN

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

SPECIAL NOTE FOR BRIDGE PLANS

LOW WATER CROSSING DETAIL

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.

**TRAFFIC CONTROL PLAN
DUKIES LN. (CR-1399) OVER BEAVER CREEK BRIDGE REPLACEMENT
KNOTT COUNTY**

ITEM NO. 12-0290

FEMA NO. 4663-DR

DEPT. OBJECT CODE D23A

THIS PROJECT IS FOR A COUNTY ROUTE.
--

TRAFFIC CONTROL GENERAL

Except as provided herein, "Maintain and Control Traffic" shall be in accordance with the 2019 Standard Specifications and the 2020 Standard Drawings, current editions. Except for the roadway and traffic control bid items included in the project, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic". All diversions used on the Project will be in compliance with the appropriate Standard Drawings and the Manual on Uniform Traffic Control Devices (MUTCD), current edition.

Contrary to Section 106.01, traffic control devices used on this project may be new, or used in like new condition at the beginning of the work and maintained in like new condition until completion of the work. Traffic control devices will conform to current MUTCD specifications.

PROJECT PHASING & CONSTRUCTION PROCEDURES

This project has a fixed completion date. See the special note for Fixed Completion Date and Liquidated Damages.

Note that a temporary diversion will be required for the project. The minimum lane width shall be 12 feet. Construct in accordance to the MUTCD and Standard Drawings.

PHASE I

DUKIES LANE

Traffic patterns shall remain in place during the installation of all signs necessary to complete work. Complete all activities required to construct the temporary diversion. Diversion construction includes 4 inches of crushed stone base laid on top of 4 inches of crushed stone no. 2's, 3's, or 23's. Level and wedge along existing pavement to ensure a smooth transition, as directed by the engineer.

PHASE II

DUKIES LANE

Install Type III Temporary Barricades at existing bridge ends and using traffic channelizing

devices (i.e. traffic drums) shift traffic to the temporary diversion. Complete all work contracted work to bridge and bridge approaches.

Traffic channelizing devices are to remain in place for the duration of the project. Contractor will be expected to maintain all damaged or moved channelizing devices during the entirety of construction.

PHASE III
DUKIES LANE

After all other work is completed, or when approved by the Engineer, redirect traffic back to the newly constructed Dukies Lane Bridge. Remove temporary diversion and return area to preconstruction condition.

COORDINATION OF WORK

The Contractor is advised that other projects may be in progress within or in the near vicinity of this project. The traffic control of those projects may affect this project and the traffic control of this project may affect those projects. The Contractor will coordinate the work on this project with the work of the other contractors. In case of conflict, the Engineer will determine the relative priority to give to work phasing on the various projects.

SIGNS

Additional traffic control signs in addition to normal lane closure signing detailed on the Standard Drawings may be required by the Engineer. Additional signs needed for lane closures may include, but are not limited to, additional “END ROAD WORK” AND “ROAD WORK AHEAD”.

Contrary to section 112, individual signs will be measured only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. Replacements for damaged signs or signs directed to be replaced by the Engineer due to poor legibility or reflectivity will not be measured for payment.

Temporary Sign Summary				
Type	Description	Area (SF)	QTY	Total Area (SF)
G20-2	End Road Work	4.5	2	9
W20-1	Road Work Ahead	9	2	18
			Total	27

PAVEMENT EDGE DROP-OFFS

Pavement edge drop-offs will be protected by a lane or shoulder closure. Lane closures will be

protected with plastic drums, vertical panels, or barricades as shown on the Standard Drawings.

Pavement edges that traffic is not expected to cross, except accidentally, shall be treated as follows:

Less than 2" – Protect with a lane closure.

2" to 4" – Protect with a lane closure. Place plastic drums, vertical panels, or barricades every 50 feet. Construct a wedge with compacted cuttings from milling, trenching, or asphalt mixtures with a 3:1 or flatter slope, when work is not active in the drop-off area. Place Type III Barricades at the beginning of the lane closures, and place additional Type III Barricades spaced at 2,500 feet during the time the lane closure is in place.

4" and greater - Drop-offs 4" or greater will be allowed during duration of the project. Protect with a lane or shoulder closure using drums, cones, or barricades. Place drums, or barricades with spacing not to exceed 20 feet and appropriate lighting should be utilized to illuminate the area during nighttime operations. Place Type III Barricades facing oncoming traffic at each drop off. If for any reason traffic must be maintained less than 6 feet from the drop off, wedge with DGA on 3:1 or flatter slope when work is not actively in progress in the drop-off area. Once excavation begins, work continuously to construct DGA and asphalt base to eliminate the drop-off. Drop-offs greater than 4 inches within 6 feet of traffic will not be allowed during non-working hours.

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

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

<u>STRUCTURE</u>	<u>NO. OF CALENDAR DAYS</u>	<u>COMPLETION DATE</u>
060C015	50	August 1, 2023

All work for installation and removal of the By-pass Diversion will be excluded from the 50 allotted calendar days.

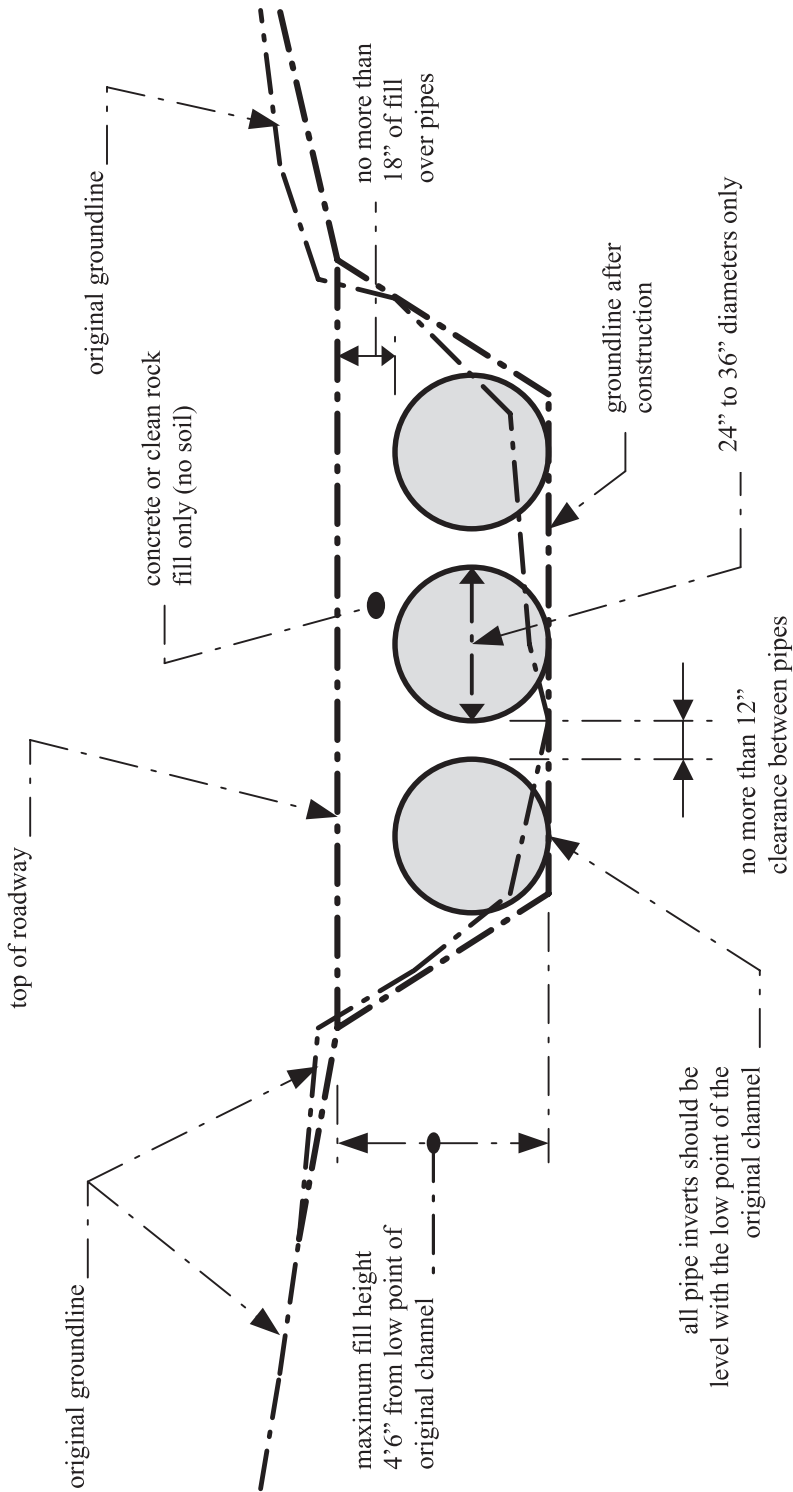
Contrary to Section 108.07.03, the Engineer will begin charging calendar days for a structure on the day the Contractor starts work or sets up traffic control on that particular structure. A **penalty of \$500.00 per day** will be assessed when the allotted number of calendar days is exceeded for each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

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

SPECIAL NOTE FOR BRIDGE PLANS

See Project Related Information for Bridge Plans.
Bridge Drawing Number 28604 with Roadway Plans.

ATTACHMENT 1



NOTES:

1. This is a conceptual drawing. The number and size of pipes and other details will vary depending on specific site conditions.
2. The pipes and backfill must be contained within the stream channel as shown above. During the construction of the approaches and access roadway across the floodplain, unstable and unconsolidated materials unsuitable for roadways may be excavated and replaced with riprap, crushed stone, or other stable road construction materials. This may only be done, however, with the following provisions: (1) the disposal of excess, unconsolidated materials thus excavated must be outside of the floodplain and (2) the finished surface of the completed road may be no more than three inches (3") above the pre-construction surface of the floodplain at any point beyond the top of banks.

LOW-WATER CROSSING

STANDARD DRAWING
Not to Scale

**SPECIAL NOTES
DISTRICT NO. 12
PIKE COUNTY
BRIDGE REPLACEMENT
CID 22-7030 ~ 121GR22M085
BRIDGE NUMBER 098C00135N
FEMA D23A/4663-DR**

FD51 098 1971 C00135N 00.01

CR 1971 (Hylton Church Road) over Elkhorn Creek

Geographic Coordinates

Latitude 37° 13' 47.00'' (37.2296)

Longitude -82° 31' 22.00'' (-82.5229)

Description

Single Steel Span (Existing)
(Proposed)

SPECIAL NOTES FOR BRIDGE REPLACEMENT
098C00135N

SPECIAL NOTE FOR PLACING BRIDGE OVERLAY APPROACH PAVEMENT

SPECIAL NOTE FOR EROSION CONTROL

SPECIAL NOTE FOR CONCRETE SEALING

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

SPECIAL NOTE FOR BRIDGE PLANS

SPECIAL NOTE FOR PLACING BRIDGE OVERLAY APPROACH PAVEMENT

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, 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. Removal of existing abutment backfill, if needed.
3. Structural Granular Backfill, as needed.
4. Mill the existing pavement.
5. Place new DGA, asphalt base, and asphalt surface
6. Repair the roadway shoulders, if needed.
7. Provide Pavement Markings if needed.
8. Any other work specified as part of this contract.

II. MATERIALS

- A. Structural Granular Backfill.** See Section 8.05.11
- B. DGA.** See Section 302.
- C. Tack Coat.** This material shall be in accordance with the Standard Specifications.
- D. CL2 ASPH BASE 1.0D PG 64-22.** See Standard Specifications
- E. ASPHALT LEVEL AND WEDGE.** See Standard Specifications
- F. CL2 ASPH SURF 0.38D PG 64-22.** This material shall be in accordance with the Standard Specifications.
- G. GRANULAR EMBANKMENT.** This material shall be in accordance with the Standard Specifications.
- H. Pavement Striping.** See Section 713.

III. CONSTRUCTION

- A. Foundation Preparation.** For projects involving the removal and replacement of the asphalt and backfill behind the new abutments or end bents, the required excavation, Type IV geotextile fabric, 4" perforated pipe, and new backfill shall be constructed as shown in Figure 1 as well as any excavation and grading needed to shape the bridge approaches to match the existing roadway template. See Special Provision 69 and the Standard Drawings regarding additional construction details as required.

Backfill material used behind newly constructed abutments on county routes may be constructed with Type III soil backfill. All existing abutments, abutments on state routes, and newly constructed or existing bents must be backfilled with material meeting Structural Granular Backfill specifications.

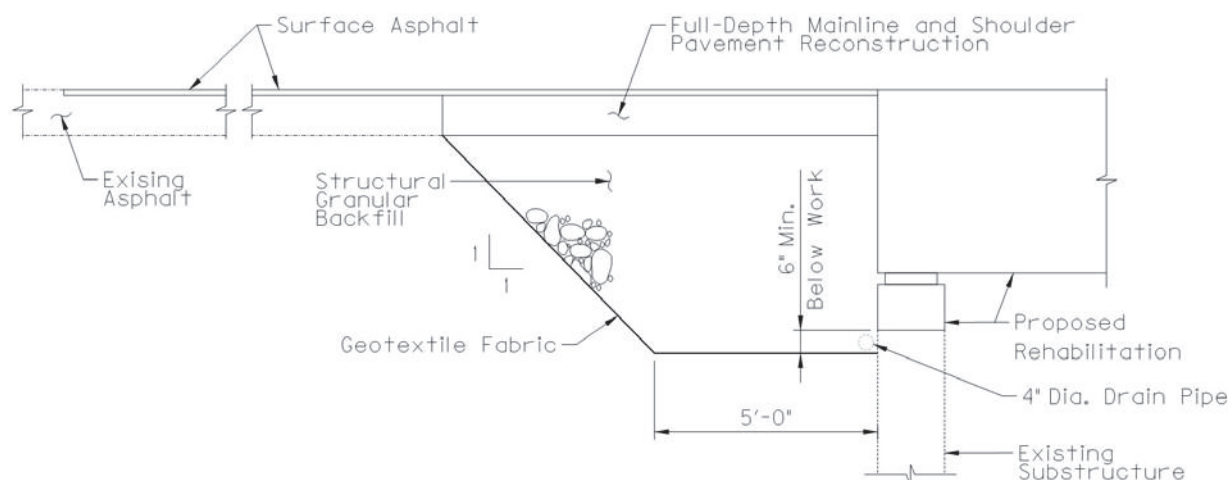


Figure 1: Detail showing proposed work for deck and superstructure replacements

- B. Remove Existing Asphalt Surface.** Remove the existing pavement material beyond the limits of full depth asphalt replacement to provide for a minimum of 1¼" new pavement surface from the bridge end extending approximately 25 feet, or as shown in the plans, into the approach pavement 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 match the elevation of the end of the full depth asphalt replacement and 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.
- C. Produce and Place New Asphalt Base.** Replace any full depth mainline and shoulder pavement removed as part of bridge backwall construction, superstructure replacement, or other work (if included in the Contract Documents) with a minimum of 8 inches of DGA, placed in two lifts of 4 inches each compacted and 8 inches of CL2 ASPH BASE 1.0D PG 64-22, placed in two lifts of 4 inches each compacted. Final elevation of the Asphalt Base at the approaches to match the width and new elevation of the riding surface on the bridge less the New Asphalt Surface to be placed. Shoulders shall receive identical treatment to the mainline pavement.
- D. Produce and Place New Asphalt Surface.** Apply an asphalt tack coat in accordance with Section 406. Produce and place the new 1 ¼" 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 PG 64-22". Place the new asphalt surface to smoothly connect the existing roadway grade at the end of the project, and/or the new abutment backwall.
- E. Granular Embankment for Guardrails.** When necessary to ensure compliance with standards, widen shoulders behind guardrail with granular embankment and cap with

DGA in accordance with plans or as directed by the Engineer. Remove existing topsoil as needed and place embankment in a manner to ensure proper compaction.

- F. Pavement Markings.** Pavement striping will be required to match the existing pavement striping on both approaches and the structure. Pavement striping shall be in accordance with applicable sections of the Standard Specifications and shall be incidental to the work. 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.

Special Note for Erosion Control

SPECIAL NOTE FOR EROSION CONTROL

The Contractor shall be responsible for filing the Kentucky Pollution Discharge Elimination System (KPDES) KYR10 permit Notice of Intent (NOI) with the Kentucky Division of Water (DOW) and any KPDES local Municipal Separate Storm Sewer System (MS4) program that has jurisdiction. The NOI shall name the contractor as the Facility Operator and include the KYTC Contract ID Number (CID) for reference.

The Contractor shall perform all temporary erosion/sediment control functions including: providing a Best Management Practice (BMP) Plan, conducting required inspections, modifying the BMP plan documents as construction progresses and documenting the installation and maintenance of BMPs in conformance with the KPDES KYR10 permit effective on December 1, 2014 or a permit re-issued to replace that KYR10 permit. This work shall be conducted in conformance with the requirements of Section 213 of KYTC 2019 Department of Highways, Standard Specifications for Road and Bridge Construction.

Contrary to Section 213.03.03, paragraph 2, the Engineer shall conduct inspections as needed to verify compliance with Section 213 of KYTC 2019 Department of Highways, Standard Specifications for Road and Bridge Construction. The Engineer's inspections shall be performed a minimum of once per month and within seven days after a storm of ½ inch or greater. Copies of the Engineer's inspections shall not be provided to the contractor unless improvements to the BMP's are required. The contractor shall initiate corrective action within 24 hours of any reported deficiency and complete the work within 5 days. The Engineer shall use Form TC 63-61 A for this report. Inspections performed by the Engineer do not relieve the Contractor of any responsibility for compliance with the KPDES permit.

Contrary to Section 213.05, bid items for temporary BMPs will not be listed and all work will instead be included in the lump sum contract cost. The schedule of values for the project should may utilize a lump sum item for "Temporary Erosion Control" to address all items included in section 213 of the Standard Specifications.

The contractor shall be responsible for applying "good engineering practices" as required by the KPDES permit. The contractor may use any temporary BMPs with the approval of the KYTC Engineer.

The contractor shall provide the Engineer copies of all documents required by the KPDES permit at the time they are prepared.

The contractor shall be responsible for the examination of the soils to be encountered and make his own independent determination of the temporary BMPs that will be required to accomplish effective erosion prevention and sediment control.

The Contractor shall be responsible for filing the KPDES permit Notice of Termination (NOT) with the Kentucky DOW and any local MS4 program that has jurisdiction. The NOT shall be filed after the Engineer agrees that the project is stabilized, or the project has been formally accepted.

SPECIAL NOTE FOR CONCRETE SEALING

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 2019 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 the bridge deck; (3) Seal the 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 300S	Evonik Industries
TK-590-40 Tri-Silane 40%	TK Products
SW-244-100	Chemical Products Industries, Inc.
TK-590-1 MS Tri-Silane	TK Products
MasterProtect H1000	BASF
Aquanil Plus 40	ChemMasters
SIL-ACT ATS-100	Advanced Chemical Technologies
Certivex Penseal BTS 100%	Vexcon
Pentreat 244-40	W.R. Meadows
Aquanil Plus 40A	ChemMasters

B. Coverage Rate: Follow all manufacturers recommendations for coverage rates except the application rate must not exceed the square footage coverage rate per gallon of sealer as given in the chart below. If the manufacturer recommends a coverage rate greater than given in the table below, apply sealer at the rate given in the table below for the chosen sealers silane percentage.

% Silane	Coverage rate (ft ² /gallon)
100	300
40	120
20	60

III. CONSTRUCTION.

- A. Curing Compound.** Contrary to Section 609.03.12 of the specifications, curing compound is not to be used on this deck due to potentially causing issues with the concrete sealer. During the deck pour, finishing, and tining operations the Class AA concrete shall be kept continuously moist with the use of a mister until burlap or curing blankets are applied to the surface. At no point should water be pooling or running off the surface or the surface of the concrete be allowed to become dry. After the burlap or curing blankets are installed, cure in accordance with the specifications. Include all costs in the unit price bid for Class AA concrete. Failure to properly cure the concrete in accordance with this note and the specifications may result in weakened or cracked concrete. If the concrete is weakened or cracked due to improper curing, the contractor will be responsible for providing alternates to fix the issues to the Engineer for review and the contractor will be solely responsible for all costs to do so, up to complete replacement. Do not begin any construction on fixing any issues without approval of the Engineer.
- B. 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.
- C. Sealing the Deck.** 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. On vertical surfaces, apply the sealer in a flooding application from the bottom up, so the material runs down 6 to 8 inches below the spray pattern.

D. 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 sealed.

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

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

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

<u>STRUCTURE</u>	<u>NO. OF CALENDAR DAYS</u>	<u>COMPLETION DATE</u>
098C00135N	50	August 1, 2023

All work for installation and removal of the By-pass Diversion will be excluded from the 50 allotted calendar days.

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

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

SPECIAL NOTE FOR BRIDGE PLANS

See Project Related Information for Bridge Plans.
Bridge Number 28578 with Roadway Plans



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
transportation.ky.gov

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

Asbestos Inspection Report

To: Tom Mathews

District: Central Office

Date: September 19, 2022

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

Project and Structure Identification

Project Number: Knott 060C009

Structure ID: 060C009

Structure Location: Goldenrod Drive (Cr 1555) over Right Fork Beaver Creek

Sample Description: There were no suspect materials present on this structure.

Inspection Date: September 19, 2022

Results and Recommendations

There were no suspect materials observed during this inspection; No samples collected.

*** 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.

ENVIRONMENTAL TRAINING CONCEPTS, INC

P.O Box 99603 Louisville, KY 40269
(502)640-2951

Certification Number: ETC-AIR-031522-00137

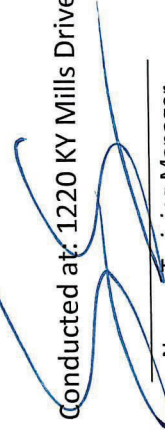
O'Dail Lawson


has on 03-15-2022, 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: 1220 KY Mills Drive, Louisville, KY


Name – Training Manager


Expiration Date: 03-15-2023
Name - Instructor



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
transportation.ky.gov

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

Asbestos Inspection Report

To: Tom Mathews

District: Central Office

Date: September 19, 2022

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

Project and Structure Identification

Project Number: Knott 060C010

Structure ID: 060C010

Structure Location: Pratt Drive (CR 1111) over Left Fork Troublesome Creek

Sample Description: There were no suspect materials present on this structure.

Inspection Date: September 19, 2022

Results and Recommendations

There were no suspect materials observed during this inspection; No samples collected.

*** 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.

ENVIRONMENTAL TRAINING CONCEPTS, INC

P.O Box 99603 Louisville, KY 40269
(502)640-2951

Certification Number: ETC-AIR-031522-00137

O'Dail Lawson

has on 03-15-2022, 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: 1220 KY Mills Drive, Louisville, KY

Name - Training Manager

Expiration Date: 03-15-2023

Name - Instructor



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TRANSPORTATION CABINET
transportation.ky.gov

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

Asbestos Inspection Report

To: Tom Mathews

District: Central Office

Date: September 19, 2022

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

Project and Structure Identification

Project Number: Knott 060C012

Structure ID: 060C012N

Structure Location: Vernie Minor Lane (CR 1564) over Caney Fork

Sample Description: There were no suspect materials present on this structure.

Inspection Date: September 19, 2022

Results and Recommendations

There were no suspect materials observed during this inspection; No samples collected.

*** 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.

ENVIRONMENTAL TRAINING CONCEPTS, INC

P.O Box 99603 Louisville, KY 40269
(502)640-2951

Certification Number: ETC-AIR-031522-00137

O'Dail Lawson

has on 03-15-2022, attended and successfully completed the requirements and passed the examination with a score of 70% or 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: 1220 KY Mills Drive, Louisville, KY

Name - Training Manager

Expiration Date: 03-15-2023

Name - Instructor



Asbestos Inspection Report

To: David Waldner, Director Environmental Services
Palmer Engineering

From: Ralph Schuler, JR.
Palmer Engineering
Kentucky Accredited Asbestos Inspector #ETC-AIR-120121-00900

Date: September 22, 2022

Project and Structure Identification

Project: Knott County: Item No. NA
Structure ID: #060C015
Structure Location: Dukies Lane Over RT FK Beaver Creek, Knott County, Kentucky
Sample Description: No suspect asbestos containing (ACM) were observed
Inspection Date: September 14, 2022

Results and Recommendations

The asbestos inspection was performed in accordance with current United States Environmental Protection Agency (US EPA) regulations, specifically 40 CFR Part 61, Asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP) revision, final rule effective November 20, 1990. It is recommended that this report accompany the 10-Day Notice of Intent for Demolition (DEP7036 Form) 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. No suspect asbestos containing (ACM) were observed.



Bulk Asbestos Analysis

Point Counting Procedure
By Polarized Light Microscopy
EPA Method: 600/R-93/116 and



Customer: Palmer Engineering
400 Shoppers Drive
Winchester, KY 40391

Attn: Ralph Schuler

Lab Order ID: 10006181
Analysis: PT4
Date Received: 09/15/2022
Date Reported: 09/19/2022

Project: 12407 - Dukes Ln Over Rt Fk Beaver Cr.

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
1	Rt Abuttment #1 concrete	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10006181_0001					Crushed
2	Rt Abuttment #2 concrete	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10006181_0002					Crushed
3	Decking #1 concrete	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10006181_0003					Crushed
4	Decking #2 concrete	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10006181_0004					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the AIHA IHPAT program. IHPAT Laboratory ID: 173190. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 1%.



Scientific Analytical Institute
4604 Dundas Dr. Greensboro, NC 27407
Phone: 336.292.3888 Fax: 336.292.3313
www.sailab.com lab@sailab.com

Lab Use Only
Lab Order ID: 10006181
Client Code: _____

Company Contact Information

Company: <i>Palmer Engineering</i>	Contact: <i>Ralph Schuler</i>
Address: <i>400 Shoppers Dr</i>	Phone <input type="checkbox"/> :
<i>Winchester Ky 40391</i>	Fax <input type="checkbox"/> :
	Email <input checked="" type="checkbox"/> : <i>rschuler@palmer.net</i>

Billing/Invoice Information

Turn Around Times

Company: <i>Palmer Engineering</i>	90 Min. <input type="checkbox"/>	48 Hours <input checked="" type="checkbox"/>
Contact: <i>Monica Redmon</i>	3 Hours <input type="checkbox"/>	72 Hours <input type="checkbox"/>
Address: <i>400 Shoppers Dr</i>	6 Hours <input type="checkbox"/>	96 Hours <input type="checkbox"/>
<i>Winchester Ky 40391</i>	12 Hours <input type="checkbox"/>	120 Hours <input type="checkbox"/>
	24 Hours <input type="checkbox"/>	144+ Hours <input type="checkbox"/>

PO Number:

Project Name/Number: 12407-Dukies Ln over RT FK Beaver Cr

Asbestos Test Types

PLM EPA 600/R-93/116 (PLM)	<input type="checkbox"/>
Positive stop	<input type="checkbox"/>
PLM Point Count 400 (PT4)	<input checked="" type="checkbox"/>
PLM Point Count 1000 (PTM)	<input type="checkbox"/>
PCM NIOSH 7400-A Rules (PCM)	<input type="checkbox"/>
B Rules (PCB) <input type="checkbox"/> TWA (PTA) <input type="checkbox"/>	
TEM AHERA (AHE)	<input type="checkbox"/>
TEM Level II (LII)	<input type="checkbox"/>
TEM NIOSH 7402 (TNI)	<input type="checkbox"/>
TEM Bulk Qualitative (TBL)	<input type="checkbox"/>
TEM Bulk Chatfield (TBS)	<input type="checkbox"/>
TEM Bulk Quantitative (TBQ)	<input type="checkbox"/>
TEM Wipe ASTM D6480-05	<input type="checkbox"/>
TEM Microvac ASTM D5755-02	<input type="checkbox"/>
TEM Water EPA 100.2 (TW1)	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>

Sample ID #		Volume/Area	Comments
1	RT Abuttment #1, concrete		
2	RT Abuttment #2 concrete		
3	Decking #1 concrete		
4	Decking #2 concrete		
			Accepted <input checked="" type="checkbox"/>
			Rejected <input type="checkbox"/>

Total # of Samples

Relinquished by <i>Rafael Cabral Jr</i>	Date/Time <i>9-14-22/5:00</i>	Received by <i>Clu</i>	Date/Time <i>9/15/10:30am</i>
--	----------------------------------	---------------------------	----------------------------------



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
transportation.ky.gov

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

Asbestos Inspection Report

To: Tom Mathews

District: Central Office

Date: September 19, 2022

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

Project and Structure Identification

Project Number: Pike 12-0178

Structure ID: 098C00135N

Structure Location: Hylton Church Road (CR 1971) over Elkhorn Creek

Sample Description: There were no suspect materials present on this structure.

Inspection Date: September 19, 2022

Results and Recommendations

There were no suspect materials observed during this inspection; No samples collected.

*** 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.

ENVIRONMENTAL TRAINING CONCEPTS, INC

P.O Box 99603 Louisville, KY 40269
(502)640-2951

Certification Number: ETC-AIR-031522-00137

O'Dail Lawson

has on 03-15-2022, attended and successfully completed the requirements and passed the examination with a score of 70% or 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: 1220 KY Mills Drive, Louisville, KY

Name - Training Manager

Expiration Date: 03-15-2023

Name - Instructor



KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF RIGHT OF WAY & UTILITIES

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RIGHT OF WAY CERTIFICATION

<input checked="" type="checkbox"/> Original	<input type="checkbox"/> Re-Certification	RIGHT OF WAY CERTIFICATION	
ITEM #	COUNTY	PROJECT # (STATE)	PROJECT # (FEDERAL)
12-0284.OTH	KNOTT	060C009	FEMA (D23A & 4663-DR)
PROJECT DESCRIPTION			
Replace bridge at Golden Rod Drive (CR 1555) over Right Fork of Beaver Creek			
<input checked="" type="checkbox"/> No Additional Right of Way Required			
Construction will be within the limits of the existing right of way. The right of way was acquired in accordance to FHWA regulations under the Uniform Relocation Assistance and Real Property Acquisitions Policy Act of 1970, as amended. No additional right of way or relocation assistance were required for this project.			
<input type="checkbox"/> Condition # 1 (Additional Right of Way Required and Cleared)			
All necessary right of way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Just Compensation has been paid or deposited with the court. All relocations have been relocated to decent, safe, and sanitary housing or that KYTC has made available to displaced persons adequate replacement housing in accordance with the provisions of the current FHWA directive.			
<input type="checkbox"/> Condition # 2 (Additional Right of Way Required with Exception)			
The right of way has not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Just Compensation has been paid or deposited with the court for most parcels. Just Compensation for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract			
<input type="checkbox"/> Condition # 3 (Additional Right of Way Required with Exception)			
The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. All remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary right of way will not be fully acquired, and/or some occupants will not be relocated, and/or the just compensation will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction.			
Total Number of Parcels on Project		EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION
Number of Parcels That Have Been Acquired			
Signed Deed			
Condemnation			
Signed ROE			
Notes/ Comments (Text is limited. Use additional sheet if necessary.)			
1 parcel acquired by Consent and Release			
LPA RW Project Manager		Right of Way Supervisor	
Printed Name	Rex Alexander	Printed Name	Joe Tackett
Signature	<i>Rex Alexander</i>	Signature	<i>Joe Tackett</i>
Date	November 4, 2022	Date	November 7, 2022
Right of Way Director		FHWA	
Printed Name	2022.11.07	Printed Name	No Signature Required
Signature	<i>Charles Hale</i>	Signature	as per FHWA-KYTC
Date	09:30:03	Date	Current Stewardship Agreement
	-05'00'		




KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF RIGHT OF WAY & UTILITIES

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RIGHT OF WAY CERTIFICATION

<input checked="" type="checkbox"/> Original	<input type="checkbox"/> Re-Certification	RIGHT OF WAY CERTIFICATION	
ITEM #	COUNTY	PROJECT # (STATE)	PROJECT # (FEDERAL)
12-0285.OTH	KNOTT	N/A	FEMA (D23A & 4663-DR)
PROJECT DESCRIPTION			
Pratt Drive (CR 1111) over Left Fork of Troublesome Creek			
<input checked="" type="checkbox"/> No Additional Right of Way Required			
Construction will be within the limits of the existing right of way. The right of way was acquired in accordance to FHWA regulations under the Uniform Relocation Assistance and Real Property Acquisitions Policy Act of 1970, as amended. No additional right of way or relocation assistance were required for this project.			
<input type="checkbox"/> Condition # 1 (Additional Right of Way Required and Cleared)			
All necessary right of way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Just Compensation has been paid or deposited with the court. All relocations have been relocated to decent, safe, and sanitary housing or that KYTC has made available to displaced persons adequate replacement housing in accordance with the provisions of the current FHWA directive.			
<input type="checkbox"/> Condition # 2 (Additional Right of Way Required with Exception)			
The right of way has not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Just Compensation has been paid or deposited with the court for most parcels. Just Compensation for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract			
<input type="checkbox"/> Condition # 3 (Additional Right of Way Required with Exception)			
The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. All remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary right of way will not be fully acquired, and/or some occupants will not be relocated, and/or the just compensation will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction.			
Total Number of Parcels on Project		EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION
Number of Parcels That Have Been Acquired			
Signed Deed			
Condemnation			
Signed ROE			
Notes/ Comments (Text is limited. Use additional sheet if necessary.)			
One parcel acquired by Consent and Release			
LPA RW Project Manager		Right of Way Supervisor	
Printed Name	Rex Alexander	Printed Name	Joe Tackett
Signature		Signature	
Date	November 3, 2022	Date	11/4/22
Right of Way Director		FHWA	
Printed Name	2022.11.04	Printed Name	
Signature		Signature	
Date	08:36:54	Date	
	-04'00'		

No Signature Required
as per FHWA-KYTC
Current Stewardship Agreement

		KENTUCKY TRANSPORTATION CABINET Department of Highways DIVISION OF MAINTENANCE		TC 71-14 Rev. 03/2019 Page 1 of 1
CONSENT & RELEASE				
SECTION 1: LOCATION INFORMATION				
COUNTY <u>Knotts</u>	ROUTE # <u>550E</u>	MILE POINT <u>13.8</u>		
ROAD NAME	LATITUDE	LONGITUDE		
SECTION 2: PROPERTY OWNER INFORMATION				
FIRST NAME	LAST NAME	PHONE #		
ADDRESS <u>2326 East Highway 550</u>	CITY <u>Leburn</u>	STATE <u>Ky</u>	ZIP <u>41831</u>	
SECTION 3: AGREEMENT				
WHEREAS, the Transportation Cabinet, Commonwealth of Kentucky, in order to protect Highway No. _____ finds it necessary to do the following work: <u>Enter Property to build a temporary Entrance to Pratt Dr. For the duration the old bridge is removed and a new bridge is constructed Across Troublesome Creek.</u>				
<u>And Replace Chain link Fence</u> <u>Larry Dixon</u>				
The work will be done on the land of the property owner listed in Section 2.				
NOW, THEREFORE, in consideration of the above and the incidental benefits accruing to the property, I hereby consent and agree that the Transportation Cabinet may come upon the above property and do the work as set out above, and do further agree that I will assert no claim for damages against the Transportation Cabinet by reason of said work, but by these presents shall be forever barred.				
<u>LARRY Dixon</u> PROPERTY OWNER (print)	<u>Larry Dixon</u> PROPERTY OWNER SIGNATURE	<u>10-2-2022</u> DATE		
<u>Bobby W. Smith</u> WITNESS (print) CITY SUPERINTENDENT/ DESIGNATED REPRESENTATIVE	<u>Bobby W. Smith</u> WITNESS SIGNATURE CITY SUPERINTENDENT/ DESIGNATED REPRESENTATIVE	<u>9-26-22</u> DATE		
<u>Mary Westfall-Holbrook</u> CHIEF DISTRICT ENGINEER (print)	<u>Mary Westfall-Holbrook</u> CHIEF DISTRICT ENGINEER SIGNATURE	<u>10/3/2022</u> DATE		



KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF RIGHT OF WAY AND UTILITIES

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CONSENT & RELEASE

COUNTY	ITEM NO.	PARCEL	NAME
KNOTT	12-0285.00		Meredith Pratt Hayet
PROJECT NO.	FEDERAL NUMBER	PROJECT	
N/A	FEMA No. 4663-DR/Object D23A	Pratt Drive (CR 1111) over Left Fork of Troublesome Creek	

WHEREAS, the Transportation Cabinet, Commonwealth of Kentucky, finds it necessary to do the following work within, along, and/or adjacent to the existing right of way and has requested permission to:

CR1555 Allow the contractor to place a temporary stream crossing (pipes covered by gravel road) within 100 feet upstream and/or 100 feet downstream side of the previous existing bridge location and to also allow contractor to place construction equipment and materials on-site and within this area to construct temporary and permanent bridge placement.

Work will be completed within 5 months from the initiation of construction.

On the Real Property of Property Owner(s): Meredith Pratt Hayes

Address of Property where work is to be done: Pratt Drive at KY 550

WHEREAS, the Transportation Cabinet is willing to maintain the property owner's reasonable access or other property rights, the above mentioned property owner(s) are voluntarily allowing the Transportation Cabinet to enter upon the above referenced property and do work set out above;

The Transportation Cabinet agrees that reasonable care will be taken by itself and its authorized contractors to avoid damage during this operation and to correct, within reason, any damage done to the property.

I hereby agree that I will assert no claim for damages against the Transportation Cabinet by reason of said work, but these presents shall be forever barred.

This Consent and Release was signed on the 1st day of November 20 22.

SIGNATURES OF AGENTS FOR TRANSPORTATION CABINET	SIGNATURES OF PROPERTY OWNERS
	Meredith Pratt Hayes



KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF RIGHT OF WAY & UTILITIES

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RIGHT OF WAY CERTIFICATION



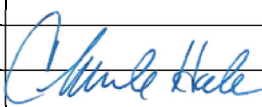
<input checked="" type="checkbox"/>	Original	<input type="checkbox"/>	Re-Certification	RIGHT OF WAY CERTIFICATION	
ITEM #		COUNTY		PROJECT # (STATE)	PROJECT # (FEDERAL)
12-287.OTH		Knott			FEMA No. 4663-DR
PROJECT DESCRIPTION					
Construction of new bridge with minor widening on the approaches to match bridge width at Vernie Minor Lane.					
<input checked="" type="checkbox"/>	No Additional Right of Way Required				
Construction will be within the limits of the existing right of way. The right of way was acquired in accordance to FHWA regulations under the Uniform Relocation Assistance and Real Property Acquisitions Policy Act of 1970, as amended. No additional right of way or relocation assistance were required for this project.					
<input type="checkbox"/>	Condition # 1 (Additional Right of Way Required and Cleared)				
All necessary right of way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Just Compensation has been paid or deposited with the court. All relocations have been relocated to decent, safe, and sanitary housing or that KYTC has made available to displaced persons adequate replacement housing in accordance with the provisions of the current FHWA directive.					
<input type="checkbox"/>	Condition # 2 (Additional Right of Way Required with Exception)				
The right of way has not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Just Compensation has been paid or deposited with the court for most parcels. Just Compensation for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract					
<input type="checkbox"/>	Condition # 3 (Additional Right of Way Required with Exception)				
The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. All remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary right of way will not be fully acquired, and/or some occupants will not be relocated, and/or the just compensation will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction.					
Total Number of Parcels on Project		0	EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION	
Number of Parcels That Have Been Acquired		0			
Signed Deed		0			
Condemnation		0			
Signed ROE		0			
Notes/ Comments (Text is limited. Use additional sheet if necessary.)					
No additional Right of Way will be necessary. All work outside of existing Right of Way shall be completed with a Consent & Release Agreement.					
LPA RW Project Manager			Right of Way Supervisor		
Printed Name	Jim Wray		Printed Name	Joe Tackett	
Signature	<i>Jim Wray</i>		Signature	<i>Joe Tackett</i>	
Date	11/7/22		Date	11/7/22	
Right of Way Director			FHWA		
Printed Name			Printed Name		
Signature	<i>Chad Hale</i>		Signature	No Signature Required as per FHWA-KYTC Current Stewardship Agreement	
Date	2022.11.18 08:36:03 -05'00'		Date		



KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF RIGHT OF WAY & UTILITIES

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RIGHT OF WAY CERTIFICATION

<input checked="" type="checkbox"/>	Original	<input type="checkbox"/>	Re-Certification	RIGHT OF WAY CERTIFICATION	
ITEM #		COUNTY		PROJECT # (STATE)	PROJECT # (FEDERAL)
12-0290.OTH		Knott			FEMA No. 4663-DR
PROJECT DESCRIPTION					
Replacement of Bridge (060C015) on CR 1399 Dukies Ln over Right Fork of Beaver Creek					
<input checked="" type="checkbox"/>	No Additional Right of Way Required				
Construction will be within the limits of the existing right of way. The right of way was acquired in accordance to FHWA regulations under the Uniform Relocation Assistance and Real Property Acquisitions Policy Act of 1970, as amended. No additional right of way or relocation assistance were required for this project.					
<input type="checkbox"/>	Condition # 1 (Additional Right of Way Required and Cleared)				
All necessary right of way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Just Compensation has been paid or deposited with the court. All relocations have been relocated to decent, safe, and sanitary housing or that KYTC has made available to displaced persons adequate replacement housing in accordance with the provisions of the current FHWA directive.					
<input type="checkbox"/>	Condition # 2 (Additional Right of Way Required with Exception)				
The right of way has not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Just Compensation has been paid or deposited with the court for most parcels. Just Compensation for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract					
<input type="checkbox"/>	Condition # 3 (Additional Right of Way Required with Exception)				
The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. All remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary right of way will not be fully acquired, and/or some occupants will not be relocated, and/or the just compensation will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction.					
Total Number of Parcels on Project		0	EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION	
Number of Parcels That Have Been Acquired		0			
Signed Deed		0			
Condemnation		0			
Signed ROE		0			
Notes/ Comments (Text is limited. Use additional sheet if necessary.)					
No additional Right of Way will be necessary. All work outside of existing Right of Way shall be completed via Consent & Release Agreement signed by the adjacent property owners. (See Attached Signed Consent & Release Agreements.)					
LPA RW Project Manager			Right of Way Supervisor		
Printed Name	Kevin Damron		Printed Name	Joe Tackett	
Signature			Signature		
Date	11-07-22		Date	11/7/22	
Right of Way Director			FHWA		
Printed Name	2022.11.07		Printed Name		
Signature			Signature	No Signature Required as per FHWA-KYTC Current Stewardship Agreement	
Date	13:07:53 -05'00'		Date		



KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF MAINTENANCE

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Rev. 03/2019
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CONSENT & RELEASE

SECTION 1: LOCATION INFORMATION

COUNTY Knott	ROUTE # CR 1399	MILE POINT N/A
ROAD NAME Dukies Lane over Right Fk of Beaver	LATITUDE 37.29984564 N	LONGITUDE 82.77271269 W

SECTION 2: PROPERTY OWNER INFORMATION

FIRST NAME Autumn Wenner	LAST NAME Wenner	PHONE # 937-823-7183
ADDRESS 55 Dukies Lane	CITY Dema	STATE KY
		ZIP 41859

SECTION 3: AGREEMENT

WHEREAS, the Transportation Cabinet, Commonwealth of Kentucky, in order to protect Highway No. CR-1399 finds it necessary to do the following work:

The proposed work involves removing the existing bridge and constructing a new bridge at the existing location. A temporary low water crossing of the stream will be installed by the contractor to access both sides of the bridge. At the conclusion of construction, any disturbed property will be graded and returned to satisfaction of the property owner.

The work will be done on the land of the property owner listed in Section 2.

NOW, THEREFORE, in consideration of the above and the incidental benefits accruing to the property, I hereby consent and agree that the Transportation Cabinet may come upon the above property and do the work as set out above, and do further agree that I will assert no claim for damages against the Transportation Cabinet by reason of said work, but by these presents shall be forever barred.

Autumn Dawn Wenner
PROPERTY OWNER (print)

The Estate of Donald Wayne Hall

Kevin Damron

WITNESS (print)
CITY SUPERINTENDENT/
DESIGNATED REPRESENTATIVE

Mary Westfall-Holbrook
CHIEF DISTRICT ENGINEER (print)

Autumn Wenner
PROPERTY OWNER SIGNATURE

Administratrix of the Estate of Donald Wayne Hall

Kevin F. Damron

WITNESS SIGNATURE
CITY SUPERINTENDENT/
DESIGNATED REPRESENTATIVE

Mary Westfall-Holbrook
CHIEF DISTRICT ENGINEER SIGNATURE

11/7/22
DATE

11-07-22
DATE

11/07/2022
DATE

AOC-805
Rev. 2-17
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IN RE: Estate of

Donald Wayne Hall

ORDER

- ☒ Petition filed this 17 day of August, 2020
☐ Will tendered this _____ day of _____, 2____.

Upon hearing, the Will offered was proven by _____ and **ORDERED**
PROBATED as the Last Will and Testament of Decedent this _____ day of _____, 2____.

The Court appoints: Audra W. Leane as ☐ Executor/Executrix OR

- ☒ Administrator/Administratrix of said estate and fixes bond in the sum of \$ 10,000 ☐ with surety OR
☒ without surety.

August 27, 2020
Date

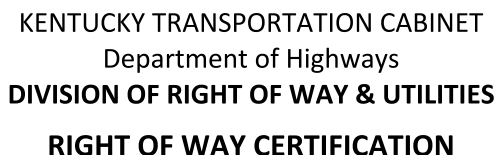
[Signature]
Judge's Signature

FILED
RECEIVED
THIS 27 DAY OF Aug, 2020
LISA BOLEN, CLERK
BY: [Signature] D.C.


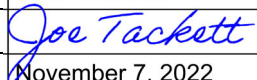
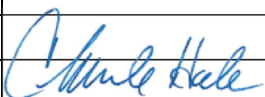
Filed: 08/27/2020 01:34:36 PM
I, Maurica Cornett, County Clerk of Knott County, KY
herby certify that the foregoing instrument
has been duly recorded in my office.

BY: RUIE HAYS

Distribution: Case File
Revenue Cabinet



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<input checked="checked" type="checkbox"/> Original	<input type="checkbox"/> Re-Certification	RIGHT OF WAY CERTIFICATION	
ITEM #	COUNTY	PROJECT # (STATE)	PROJECT # (FEDERAL)
12-0178.OTH	Pike	098C00135N	FEMA (D23A & 4663-DR)
PROJECT DESCRIPTION			
Replace bridge carrying Hylton Church Road over Elkhorn Creek			
<input checked="checked" type="checkbox"/>	No Additional Right of Way Required		
Construction will be within the limits of the existing right of way. The right of way was acquired in accordance to FHWA regulations under the Uniform Relocation Assistance and Real Property Acquisitions Policy Act of 1970, as amended. No additional right of way or relocation assistance were required for this project.			
<input type="checkbox"/>	Condition # 1 (Additional Right of Way Required and Cleared)		
All necessary right of way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Just Compensation has been paid or deposited with the court. All relocations have been relocated to decent, safe, and sanitary housing or that KYTC has made available to displaced persons adequate replacement housing in accordance with the provisions of the current FHWA directive.			
<input type="checkbox"/>	Condition # 2 (Additional Right of Way Required with Exception)		
The right of way has not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Just Compensation has been paid or deposited with the court for most parcels. Just Compensation for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract			
<input type="checkbox"/>	Condition # 3 (Additional Right of Way Required with Exception)		
The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. All remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary right of way will not be fully acquired, and/or some occupants will not be relocated, and/or the just compensation will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction.			
Total Number of Parcels on Project		EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION
Number of Parcels That Have Been Acquired			
Signed Deed			
Condemnation			
Signed ROE			
Notes/ Comments (Text is limited. Use additional sheet if necessary.)			
2 parcels acquired by Consent and Release			
LPA RW Project Manager		Right of Way Supervisor	
Printed Name	Rex Alexander	Printed Name	Joe Tackett
Signature		Signature	
Date	November 4, 2022	Date	November 7, 2022
Right of Way Director		FHWA	
Printed Name	2022.11.07	Printed Name	No Signature Required as per FHWA-KYTC Current Stewardship Agreement
Signature	 09:36:00	Signature	
Date	05/20/21	Date	

UTILITIES AND RAIL CERTIFICATION NOTE

**Knott County
060C009**

D23A/4663-DR

Replace Bridge 060C009 Golden Rod Drive (CR 1555) over Right Fork Beaver Creek

ITEM NUMBER: 12-0284.OTH

PROJECT NOTES ON UTILITIES

For all projects under 2000 Linear feet which require a normal excavation locate request pursuant to KRS 367.4901-4917, the awarded contractor shall field mark the proposed excavation or construction boundaries of the project (also called white lining) using the procedure set forth in KRS 367.4909(9)(k). For all projects over 2000 linear feet, which are defined as a "Large Project" in KRS 367.4903(18), the awarded contractor shall initially mark the first 2000 linear feet minimally of proposed excavation or construction boundaries of the project to be worked using the procedure set forth in KRS 367.4909(9)(k). This temporary field locating of the project excavation boundary shall take place prior to submitting an excavation location request to the underground utility protection Kentucky Contact Center. For large projects, the awarded contractor shall work with the impacted utilities to determine when additional white lining of the remainder of the project site will take place. This provision shall not alter or relieve the awarded contractor from complying with requirements of KRS 367.4905 to 367.4917 in their entirety.

Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs. The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

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. The contractor is instructed to contact KY 811 for

UTILITIES AND RAIL CERTIFICATION NOTE

**Knott County
060C009**

D23A/4663-DR

Replace Bridge 060C009 Golden Rod Drive (CR 1555) over Right Fork Beaver Creek

ITEM NUMBER: 12-0284.OTH

the location of existing underground utilities. Contact shall be made a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY 811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom are to be contacted through their individual Protection Notification Center. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area. Non-compliance with these directives can result in the enforcement of penalties.

Utility coordination efforts determined that no significant utility relocation work is required to complete the project. Any work pertaining to these utility facilities is defined in the bid package and is to be carried out as instructed by the Kentucky Transportation Cabinet. The contractor will be responsible for any coordination or adjustments that are discussed or quantified in the proposal.

NOTE: DO NOT DISTURB THE FOLLOWING FACILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

KY Power – AEP – Electric – Have overhead electric lines adjacent to the project site but outside the disturb limits that are not to be impacted. There are also some electric transmission lines that cross high above the site. These lines also are not to be impacted.

Knott County Water and Sewer District (KCWSD) – Sewer & Water – Have an 12” main water line running along the north edge of the roadway of KY 7. KCWSD also has a customer service line going from KY 7, crossing the stream in the vicinity of the bridge and going to residences on the south side of Beaver Creek. An approximate location of these lines is shown on the plans. Contractor should request Knott County Water and Sewer District mark the main and service line prior to construction.

UTILITIES AND RAIL CERTIFICATION NOTE

Knott County
060C009

D23A/4663-DR

Replace Bridge 060C009 Golden Rod Drive (CR 1555) over Right Fork Beaver Creek

ITEM NUMBER: 12-0284.OTH

The Contractor is fully responsible for protection of all utilities listed above

THE FOLLOWING FACILITY OWNERS ARE RELOCATING/ADJUSTING THEIR FACILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

Not Applicable

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE OWNER OR THEIR SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

Not Applicable

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD CONTRACTOR AS INCLUDED IN THIS CONTRACT

Not Applicable

RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ No Rail Involvement ☐ Rail Involved ☐ Rail Adjacent

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Knott County 060C009</p> <p>D23A/4663-DR</p> <p>Replace Bridge 060C009 Golden Rod Drive (CR 1555) over Right Fork Beaver Creek</p> <p>ITEM NUMBER: 12-0284.OTH</p>

AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
KY Power Co. – AEP - Electric	3249 North Mayo Trail Pikeville KY 41501	Bill Johnson	6064373823	wmjohnson@aep.com
Diversified Southern Production LLC (Formerly EQT) - Pipeline	Pikeville, KY	Craig Black burn	606-298- 3400	CBlackburn@dgoc.com
Knott County Water and Sewer District	Vicco, KY	Jared Salmon s	606-642- 3582	Jared.salmons@kcwsd.com

UTILITIES AND RAIL CERTIFICATION NOTE

**Knott County
060C010**

D23A/4663-DR

Replace Bridge 060C010 Pratt Drive (CR 1111) over Left Fork Troublesome Creek

ITEM NUMBER: 12-0285.OTH

PROJECT NOTES ON UTILITIES

For all projects under 2000 Linear feet which require a normal excavation locate request pursuant to KRS 367.4901-4917, the awarded contractor shall field mark the proposed excavation or construction boundaries of the project (also called white lining) using the procedure set forth in KRS 367.4909(9)(k). For all projects over 2000 linear feet, which are defined as a "Large Project" in KRS 367.4903(18), the awarded contractor shall initially mark the first 2000 linear feet minimally of proposed excavation or construction boundaries of the project to be worked using the procedure set forth in KRS 367.4909(9)(k). This temporary field locating of the project excavation boundary shall take place prior to submitting an excavation location request to the underground utility protection Kentucky Contact Center. For large projects, the awarded contractor shall work with the impacted utilities to determine when additional white lining of the remainder of the project site will take place. This provision shall not alter or relieve the awarded contractor from complying with requirements of KRS 367.4905 to 367.4917 in their entirety.

Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs. The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

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. The contractor is instructed to contact KY 811 for

UTILITIES AND RAIL CERTIFICATION NOTE

Knott County
060C010

D23A/4663-DR

Replace Bridge 060C010 Pratt Drive (CR 1111) over Left Fork Troublesome Creek

ITEM NUMBER: 12-0285.OTH

the location of existing underground utilities. Contact shall be made a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY 811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom are to be contacted through their individual Protection Notification Center. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area. Non-compliance with these directives can result in the enforcement of penalties.

Utility coordination efforts determined that no significant utility relocation work is required to complete the project. Any work pertaining to these utility facilities is defined in the bid package and is to be carried out as instructed by the Kentucky Transportation Cabinet. The contractor will be responsible for any coordination or adjustments that are discussed or quantified in the proposal.

NOTE: DO NOT DISTURB THE FOLLOWING FACILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

KY Power – AEP – Electric – Have overhead electric lines adjacent to the project site but outside the disturb limits that are not to be impacted. There are also some electric transmission lines that cross high above the site. These lines also are not to be impacted.

Columbia Gas of Kentucky – Have a gas line running parallel to Pratt Drive.

The Contractor is fully responsible for protection of all utilities listed above

THE FOLLOWING FACILITY OWNERS ARE RELOCATING/ADJUSTING THEIR FACILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

Not applicable

UTILITIES AND RAIL CERTIFICATION NOTE

Knott County
060C010

D23A/4663-DR

Replace Bridge 060C010 Pratt Drive (CR 1111) over Left Fork Troublesome Creek

ITEM NUMBER: 12-0285.OTH

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE OWNER OR THEIR SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

Thacker & Grigsby Telephone – Have a drop pole and a utility line at the bridge location that they will relocate. The contractor must arrange a meeting with Thacker & Grigsby at least one week prior to construction starting to discuss temporarily relocating the line.

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD CONTRACTOR AS INCLUDED IN THIS CONTRACT

Not Applicable

RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ No Rail Involvement ☐ Rail Involved ☐ Rail Adjacent

UTILITIES AND RAIL CERTIFICATION NOTE

Knott County
060C010

D23A/4663-DR

Replace Bridge 060C010 Pratt Drive (CR 1111) over Left Fork Troublesome Creek

ITEM NUMBER: 12-0285.OTH

AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
KY Power Co. – AEP - Electric	3249 North Mayo Trail Pikeville KY 41501	Bill Johnson	6064373823	wmjohnson@aep.com
Columbia Gas of KY	2001 Mercer Rd, Lexington, KY 40511	David Lemons	(859) 288-0249	dnlemons@nisource.com
Knott County Water and Sewer District	Vicco, KY	Jared Salmons	606-642-3582	Jared.salmons@kcwsd.com
Thacker & Grigsby - Telephone	Hindman, KY	Freddie Williams	606-438-9512	f.williams@tgtel.com

UTILITIES AND RAIL CERTIFICATION NOTE

Knott County
D23A/4663-DR
Vernie Minor Lane (CR 1564) Over Caney Fork; Non Inventory 060C012
ITEM NUMBER: 12-0287.OTH

PROJECT NOTES ON UTILITIES

The contractor should be aware that there is UTILITY WORK INCLUDED IN THIS ROAD CONSTRUCTION CONTRACT. The Contractor shall review the GENERAL UTILITY NOTES AND INSTRUCTIONS which may include KYTC Utility Bid Item Descriptions, utility owner supplied specifications, plans, list of utility owner preapproved subcontractors, and other instructions. Utility contractors may be added via addendum if KYTC is instructed to do so by the utility owner. Potential contractors must seek prequalification from the utility owner. Any revisions must be sent from the utility owner to KYTC a minimum of one week prior to bid opening.

For all projects under 2000 Linear feet which require a normal excavation locate request pursuant to KRS 367.4901-4917, the awarded contractor shall field mark the proposed excavation or construction boundaries of the project (also called white lining) using the procedure set forth in KRS 367.4909(9)(k). For all projects over 2000 linear feet, which are defined as a “Large Project” in KRS 367.4903(18), the awarded contractor shall initially mark the first 2000 linear feet minimally of proposed excavation or construction boundaries of the project to be worked using the procedure set forth in KRS 367.4909(9)(k). This temporary field locating of the project excavation boundary shall take place prior to submitting an excavation location request to the underground utility protection Kentucky Contact Center. For large projects, the awarded contractor shall work with the impacted utilities to determine when additional white lining of the remainder of the project site will take place. This provision shall not alter or relieve the awarded contractor from complying with requirements of KRS 367.4905 to 367.4917 in their entirety.

Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs. The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor’s responsibility to verify all utilities and their respective locations before excavating.

UTILITIES AND RAIL CERTIFICATION NOTE

Knott County
D23A/4663-DR
Vernie Minor Lane (CR 1564) Over Caney Fork; Non Inventory 060C012
ITEM NUMBER: 12-0287.OTH

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. The contractor is instructed to contact KY 811 for the location of existing underground utilities. Contact shall be made a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY 811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom are to be contacted through their individual Protection Notification Center. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area. Non-compliance with these directives can result in the enforcement of penalties.

NOTE: DO NOT DISTURB THE FOLLOWING FACILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

The Contractor is fully responsible for protection of all utilities listed above

THE FOLLOWING FACILITY OWNERS ARE RELOCATING/ADJUSTING THEIR FACILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

Not Applicable

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE OWNER OR THEIR SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

Not Applicable

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD CONTRACTOR AS INCLUDED IN THIS CONTRACT

Knott County Water & Sewer District - Water – Have a 3 inch PVC watermain to be relocated as part of the road contract. Knott County Water & Sewer District have provided a list of contractors they would like utilized on the project. “See General Note for Utilities.”

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Knott County D23A/4663-DR Vernie Minor Lane (CR 1564) Over Caney Fork; Non Inventory 060C012 ITEM NUMBER: 12-0287.OTH</p>
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RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ No Rail Involvement ☐ Rail Involved ☐ Rail Adjacent

AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
Knott County Water & Sewer District - Water	7777 Big Branch Road Vicco KY 41773	Jared Salmons	6066423582	jaredsalmons@kcwsd.com

GENERAL UTILITY NOTES AND INSTRUCTIONS APPLICABLE TO ALL UTILITY WORK MADE A PART OF THE ROAD CONSTRUCTION CONTRACT

The contractor should be aware the following utility notes and KYTC Utility Bid Item Descriptions shall supersede, replace and take precedence over any and all conflicting information that may be contained in utility owner supplied specifications contained in the contract, on plans supplied by the utility owner, or any utility owner specifications or information externally referenced in this contract.

Where information may have been omitted from these notes, bid item descriptions, utility owner supplied specifications or plans; the KYTC Standard Specifications for Road and Bridge Construction shall be referenced.



PROTECTION OF EXISTING UTILITIES

The existing utilities shown on the plans are shown as best known at the time the plans were developed and are to be used as a guide only by the Contractor. The Contractor shall use all means at his disposal to accurately locate all existing utilities, whether shown on the plans or not, prior to excavation. The contractor shall protect these utilities during construction. Any damage to existing utilities during construction that are shown or not shown on the plans shall be repaired at the Contractor's expense.

PREQUALIFIED UTILITY CONTRACTORS

Some utility owners may require contractors that perform relocation work on their respective facilities as a part of the road contract be prequalified or preapproved by the utility owner. Those utility owners with a prequalification or preapproval requirement are as follows:

SEE ATTACHED LETTER FROM KNOTT COUNTY WATER AND SEWER DISTRICT

The bidding contractor needs to review the above list and choose from the list of approved subcontractors at the end of these general notes as identified above before bidding. When the list of approved subcontractors is provided, only subcontractors shown on the following list(s) will be allowed to work on that utility as a part of this contract.

When the list of approved subcontractors for the utility work is not provided in these general notes, the utility work must be completed by either the prime contractor or a subcontractor that is prequalified with the KYTC Division of Construction Procurement in the work type of "Utilities" (I33). Those who would like to become prequalified may contact the Division of Construction Procurement at (502) 564-

3500. Please note: it could take up to 30 calendar days for prequalification to be approved. The prequalification does not have to be approved prior to the bid, but must be approved before the subcontract will be approved by KYTC and the work can be performed.

CONTRACT ADMINISTRATION RELATIVE TO UTILITY WORK

All utility work is being performed as a part of a contract administered by KYTC; there is not a direct contract between the utility contractor and utility owner. The KYTC Section Engineer is ultimately responsible for the administration of the road contract and any utility work included in the contract.

SUBMITTALS AND CORRESPONDENCE

All submittals and correspondence of any kind relative to utility work included in the road contract shall be directed to the KYTC Section Engineer, a copy of which may also be supplied to the utility owner by the contractor to expedite handling of items like material approvals and shop drawings. All approvals and correspondence generated by the utility owner shall be directed to the KYTC Section Engineer. The KYTC Section Engineer will relay any approvals or correspondence to the utility contractor as appropriate. At no time shall any direct communication between the utility owner and utility contractor without the communication flowing through the KYTC Section Engineer be considered official and binding under the contract.

ENGINEER

Where the word "Engineer" appears in any utility owner specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the "Engineer" is the Kentucky Transportation Cabinet (KYTC) Section Engineer or designated representative and the utility owner engineer or designated representative jointly. Both engineers must mutually agree upon all decisions made with regard to the utility construction. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

INSPECTOR OR RESIDENT PROJECT REPRESENTATIVE

Where the word “Inspector” or “Resident Project Representative” appears in the utility specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the “Inspector” or “Resident Project Representative” is the utility owner inspector and KYTC inspector jointly. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

NOTICE TO UTILITY OWNERS OF THE START OF WORK

One month before construction is to start on a utility, the utility contractor shall make notice to the KYTC Section Engineer and the utility owner of when work on a utility is anticipated to start. The utility contractor shall again make confirmation notice to the KYTC Section Engineer and the utility owner one week before utility work is to actually start.

UTILITY SHUTDOWNS

The Contractor shall not shut down any active and in-service mains, utility lines or services for any reason unless specifically given permission to do so by the utility owner. The opening and closing of valves and operating of other active utility facilities for main, utility line or utility service shut downs are to be performed by the utility owner unless specific permission is given to the contractor by the owner to make shutdowns. If and when the utility owner gives the contractor permission to shutdown mains, utility lines or utility services, the contractor shall do so following the rules, procedures and regulations of the utility owner. Any permission given by the utility owner to the contractor to shutdown active and in-service mains, utility lines or services shall be communicated to the KYTC Section Engineer by the utility owner that such permission has been given.

Notice to customers of utility shut downs is sometimes required to be performed by the utility contractor. The contractor may be required; but, is not limited to, making notice to utility customers in a certain minimum amount of time in advance of the shut down and by whatever means of communication specified by the utility owner. The means of communication to the customer may be; but is not limited to, a door hanger, notice by newspaper ad, telephone contact or any combination of communication methods deemed necessary, customary and appropriate by the utility owner. The contractor should refer to the utility owner specifications for requirements on customer notice.

Any procedure the utility owner may require the contractor to perform by specification or plan note and any expense the contractor may incur to comply with the utility owner’s shut down procedure and notice to customers shall be considered an incidental expense to the utility construction.

STATIONS AND DISTANCES

All stations and distances, when indicated for utility placement in utility relocation plans or specifications, are approximate; therefore, some minor adjustment may have to be made during construction to fit actual field conditions. Any changes in excess of 6 inches of plan location shall be reviewed and approved jointly by the KYTC Section Engineer or designated representative and utility owner engineer or designated

representative. Changes in location without prior approval shall be remedied by the contractor at his own expense if the unauthorized change creates an unacceptable conflict or condition.

RESTORATION

Temporary and permanent restoration of paved or stone areas due to utility construction shall be considered incidental to the utility work. No separate payment will be made for this work. Temporary restoration shall be as directed by the KYTC Section Engineer. Permanent restoration shall be “in-kind” as existing.

Restoration of seed and sod areas will be measured and paid under the appropriate seeding and sodding bid items established in the contract for roadway work.

BELOW ARE NOTES FOR WHEN “INST” ITEMS ARE IN THE CONTRACT MEANING THE UTILITY COMPANY IS PROVIDING CERTAIN MATERIALS FOR UTILITY RELOCATION

MATERIAL

Contrary to Utility Bid Item Descriptions, those bid items that have the text “**Inst**” at the end of the bid item will have the major components of the bid item provided by the utility owner. No direct payment will be made for the major material component(s) supplied by the utility company. All remaining materials required to construct the bid item as detailed in utility bid item descriptions, in utility specifications and utility plans that are made a part of this contract will be supplied by the contractor. The contractor’s bid price should reflect the difference in cost due to the provided materials.

The following utility owners have elected to provide the following materials for work under this contract:

No materials are being supplied by the utility owner(s). All materials are to be supplied by the contractor per bid item descriptions, utility specifications and utility plans.

SECURITY OF SUPPLIED MATERIALS

If any utility materials are to be supplied by the utility owner, it will be the responsibility of the utility contractor to secure all utility owner supplied materials after delivery to the project site. The utility contractor shall coordinate directly with the utility owner and their suppliers for delivery and security of the supplied materials. Any materials supplied by the utility owner and delivered to the construction site that are subsequently stolen, damaged or vandalized and deemed unusable shall be replaced with like materials at the contractor’s expense.



October 24, 2022
Kentucky Department of Highway
Attn: David Skeens - Utility Section Supervisor
109 Lorain Street
Pikeville, KY 41501

Re: Hollybush Road - Knott County

Dear Mr. Skeens,

At your request, please see the attached list of contractors that over the years past has provided quality workmanship for the Knott County Water & Sewer District. Please accept this letter as a pre-approved contractors list. As stated, the Knott County Water & Sewer District agrees to allow the above referenced utility relocation project to bid on the Hollybush Road. The Knott County Water & Sewer District requests the road construction contractor accept bids and select a local contractor that is pre-approved, qualified, and who will provide the highest quality of service to the Knott County Water & Sewer District. That contractor selected shall adhere to the District's Water line Adoption Policy and the contract documentation, specifications, and construction plans set forth by the engineering firm selected.

At your request, the Knott County Water & Sewer District recommends utilizing one of the following contractors, listed in no particular order, to perform the waterline relocation.

Ronnie Mullins & Sons
P.O. Box 427
Elkhorn City, KY 41522
Mike Mullins: 606-434-2665

H2O Construction, Inc.
470 Ziegler Dr.
Pikeville, KY 41501
Steve Lockhart: 606-477-4392

BOCA Enterprise, Inc.
7435 KY Route 321
Hager Hill, KY 41222
Kirby Bowling: 606-454-1694

Please contact me if you have any questions or require additional information.

Regards,

A handwritten signature in blue ink, appearing to read "Jared Salmons", is written over a printed name.

Jared Salmons

7777 Big Branch Rd
Vicco, KY 41773

www.kcwsd.com

Phone: (606)642-3582
Fax: (606)642-3770



October 24, 2022
Kentucky Department of Highway
Attn: David Skeens - Utility Section Supervisor
109 Lorain Street
Pikeville, KY 41501

RE: Verne Minor - Knott County

Dear Mr. Skeens,

At your request, please see the attached list of contractors that over the years past has provided quality workmanship for the Knott County Water & Sewer District. Please accept this letter as a pre-approved contractors list. As stated, the Knott County Water & Sewer District agrees to allow the above referenced utility relocation project to bid on the Vernie Minor Road. The Knott County Water & Sewer District requests the road construction contractor accept bids and select a local contractor that is pre-approved, qualified, and who will provide the highest quality of service to the Knott County Water & Sewer District. That contractor selected shall adhere to the District's Water line Adoption Policy and the contract documentation, specifications, and construction plans set forth by the engineering firm selected.

At your request, the Knott County Water & Sewer District recommends utilizing one of the following contractors, listed in no particular order, to perform the waterline relocation:

- Ronnie Mullins & Sons
P.O. Box 427
Elkhorn City, KY 41522
Mike Mullins: 606-434-2665

Please contact me if you have any questions or require additional information.

Regards,

A handwritten signature in blue ink, appearing to read "Jared Salmons", is written over the printed name.

Jared Salmons

UTILITIES AND RAIL CERTIFICATION NOTE

Knott County
FEMA No. 4663-DR
Dukies Lane (CR 1399) Over Right Fork Beaver Creek; Non Inventory 060C015
ITEM NUMBER: 12-0290.OTH

PROJECT NOTES ON UTILITIES

For all projects under 2000 Linear feet which require a normal excavation locate request pursuant to KRS 367.4901-4917, the awarded contractor shall field mark the proposed excavation or construction boundaries of the project (also called white lining) using the procedure set forth in KRS 367.4909(9)(k). For all projects over 2000 linear feet, which are defined as a "Large Project" in KRS 367.4903(18), the awarded contractor shall initially mark the first 2000 linear feet minimally of proposed excavation or construction boundaries of the project to be worked using the procedure set forth in KRS 367.4909(9)(k). This temporary field locating of the project excavation boundary shall take place prior to submitting an excavation location request to the underground utility protection Kentucky Contact Center. For large projects, the awarded contractor shall work with the impacted utilities to determine when additional white lining of the remainder of the project site will take place. This provision shall not alter or relieve the awarded contractor from complying with requirements of KRS 367.4905 to 367.4917 in their entirety.

Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs. The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

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. The contractor is instructed to contact KY 811 for the location of existing underground utilities. Contact shall be made a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY 811) via web ticket entry. The submission of this request

UTILITIES AND RAIL CERTIFICATION NOTE

Knott County
FEMA No. 4663-DR
Dukies Lane (CR 1399) Over Right Fork Beaver Creek; Non Inventory 060C015
ITEM NUMBER: 12-0290.OTH

does not relieve the contractor from the responsibility of contacting non-member facility owners, whom are to be contacted through their individual Protection Notification Center. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area. Non-compliance with these directives can result in the enforcement of penalties.

Utility coordination efforts determined that no significant utility relocation work is required to complete the project. Any work pertaining to these utility facilities is defined in the bid package and is to be carried out as instructed by the Kentucky Transportation Cabinet. The contractor will be responsible for any coordination or adjustments that are discussed or quantified in the proposal.

NOTE: DO NOT DISTURB THE FOLLOWING FACILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

Not Applicable

The Contractor is fully responsible for protection of all utilities listed above

THE FOLLOWING FACILITY OWNERS ARE RELOCATING/ADJUSTING THEIR FACILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

Not Applicable

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE OWNER OR THEIR SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Knott County FEMA No. 4663-DR Dukies Lane (CR 1399) Over Right Fork Beaver Creek; Non Inventory 060C015 ITEM NUMBER: 12-0290.OTH</p>

Not Applicable

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD
CONTRACTOR AS INCLUDED IN THIS CONTRACT

Not Applicable

RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ No Rail Involvement ☐ Rail Involved ☐ Rail Adjacent

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Knott County FEMA No. 4663-DR Dukies Lane (CR 1399) Over Right Fork Beaver Creek; Non Inventory 060C015 ITEM NUMBER: 12-0290.OTH</p>

AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
Knott County Water & Sewer District - Water	7777 Big Branch Road Vicco KY 41773	Jared Salmons	6066423582	jaredsalmons@kcwsd.com

UTILITIES AND RAIL CERTIFICATION NOTE

Pike County

D23A/4663-DR

Hylton Church Rd Over Elkhorn Creek (CR 1971); NBI 098C00135N

ITEM NUMBER: 12-0178.OTH

PROJECT NOTES ON UTILITIES

For all projects under 2000 Linear feet which require a normal excavation locate request pursuant to KRS 367.4901-4917, the awarded contractor shall field mark the proposed excavation or construction boundaries of the project (also called white lining) using the procedure set forth in KRS 367.4909(9)(k). For all projects over 2000 linear feet, which are defined as a "Large Project" in KRS 367.4903(18), the awarded contractor shall initially mark the first 2000 linear feet minimally of proposed excavation or construction boundaries of the project to be worked using the procedure set forth in KRS 367.4909(9)(k). This temporary field locating of the project excavation boundary shall take place prior to submitting an excavation location request to the underground utility protection Kentucky Contact Center. For large projects, the awarded contractor shall work with the impacted utilities to determine when additional white lining of the remainder of the project site will take place. This provision shall not alter or relieve the awarded contractor from complying with requirements of KRS 367.4905 to 367.4917 in their entirety.

Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs. The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

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. The contractor is instructed to contact KY 811 for the location of existing underground utilities. Contact shall be made a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor shall submit Excavation Locate

UTILITIES AND RAIL CERTIFICATION NOTE

Pike County

D23A/4663-DR

Hylton Church Rd Over Elkhorn Creek (CR 1971); NBI 098C00135N

ITEM NUMBER: 12-0178.OTH

Requests to the Kentucky Contact Center (KY 811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom are to be contacted through their individual Protection Notification Center. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area. Non-compliance with these directives can result in the enforcement of penalties.

Utility coordination efforts determined that no significant utility relocation work is required to complete the project. Any work pertaining to these utility facilities is defined in the bid package and is to be carried out as instructed by the Kentucky Transportation Cabinet. The contractor will be responsible for any coordination or adjustments that are discussed or quantified in the proposal.

NOTE: DO NOT DISTURB THE FOLLOWING FACILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

KY Power – AEP – Electric – Have overhead electric lines adjacent to the project site along CR 1971. They are outside the disturb limits that are not to be impacted.

AT&T Distribution – Have overhead telephone lines adjacent to the project site along CR 1971. They are outside the disturb limits that are not to be impacted.

*The Contractor is fully responsible for protection of all utilities listed above

THE FOLLOWING FACILITY OWNERS ARE RELOCATING/ADJUSTING THEIR FACILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

Not Applicable

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE OWNER OR THEIR SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

Not Applicable

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Pike County</p> <p>D23A/4663-DR</p> <p>Hylton Church Rd Over Elkhorn Creek (CR 1971); NBI 098C00135N</p> <p>ITEM NUMBER: 12-0178.OTH</p>

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD CONTRACTOR AS INCLUDED IN THIS CONTRACT

Not Applicable

RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ No Rail Involvement ☐ Rail Involved ☐ Rail Adjacent

AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
KY Power Co.	12333 Kevin Avenue, Ashland, Ky 41102	Ron Canfield	606-929-1462	rlcanfield@aep.com
AT&T KY	Prestonsburg, KY	Jack Salyers	606-616-5375	Js2299@att.com

MATERIAL SUMMARY

CONTRACT ID: 227030

121GR22085 (FD51 FEMA D23A/4663DR)

MB06011112201

PRATT DRIVE (CR 1111) BRIDGE 060C010 OVER LEFT FORK TROUBLESOME CREEK BRIDGE REPLACEMENT.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0740	02585	EDGE KEY	21.00	LF
0745	03304	BRIDGE OVERLAY APPROACH PAVEMENT	117.00	SQYD
0750	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	4.00	EACH
0755	02223	GRANULAR EMBANKMENT	337.00	CUYD
0760	02273	FENCE-4 FT CHAIN LINK	75.00	LF
0765	02360	GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH
0770	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0775	02651	DIVERSIONS (BY-PASS DETOURS)	1.00	LS
0780	02726	STAKING	1.00	LS
0785	02731	REMOVE STRUCTURE	1.00	LS
0790	21415ND	EROSION CONTROL	1.00	LS
0795	02231	STRUCTURE GRANULAR BACKFILL	109.00	CUYD
0800	02355	GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF
0805	03299	ARMORED EDGE FOR CONCRETE	24.40	LF
0810	08003	FOUNDATION PREPARATION	1.00	LS
0815	08019	CYCLOPEAN STONE RIP RAP	71.00	TON
0820	08100	CONCRETE-CLASS A	93.70	CUYD
0825	08104	CONCRETE-CLASS AA	8.20	CUYD
0830	08150	STEEL REINFORCEMENT	10,199.00	LB
0835	08151	STEEL REINFORCEMENT-EPOXY COATED	833.00	LB
0840	08661	PRECAST PC BOX BEAM CB12-48	102.00	LF
0845	08801	GUARDRAIL-STEEL W BEAM-S FACE BR	58.00	LF
0850	23378EC	CONCRETE SEALING	1,871.00	SQFT
0855	24375EC	STRUCTURE EXCAVATION-SPECIAL SOLID ROCK	56.00	CUYD
0860	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 227030

121GR22085 (FD51 FEMA D23A/4663DR)

MB06013992201

DUKIES LANE (CR 1399) BRIDGE 060C015 OVER RIGHT FORK OF BEAVER CREEK BRIDGE REPLACEMENT.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0420	00003	CRUSHED STONE BASE	15.00	TON
0425	00080	CRUSHED AGGREGATE SIZE NO 23	27.00	TON
0430	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	6.00	EACH
0435	02351	GUARDRAIL-STEEL W BEAM-S FACE	587.50	LF
0440	02360	GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH
0445	02562	TEMPORARY SIGNS	27.00	SQFT
0450	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0455	02726	STAKING	1.00	LS
0460	02731	REMOVE STRUCTURE	1.00	LS
0465	05952	TEMP MULCH	194.00	SQYD
0470	05953	TEMP SEEDING AND PROTECTION	145.00	SQYD
0475	05985	SEEDING AND PROTECTION	16.00	SQYD
0480	05992	AGRICULTURAL LIMESTONE	.01	TON
0485	02231	STRUCTURE GRANULAR BACKFILL	56.00	CUYD
0490	02998	MASONRY COATING	74.00	SQYD
0495	03299	ARMORED EDGE FOR CONCRETE	24.00	LF
0500	08001	STRUCTURE EXCAVATION-COMMON	103.00	CUYD
0505	08019	CYCLOPEAN STONE RIP RAP	188.00	TON
0510	08033	TEST PILES	41.00	LF
0515	08039	PRE-DRILLING FOR PILES	66.00	LF
0520	08051	PILES-STEEL HP14X89	80.00	LF
0525	08095	PILE POINTS-14 IN	3.00	EACH
0530	08100	CONCRETE-CLASS A	45.00	CUYD
0535	08104	CONCRETE-CLASS AA	9.00	CUYD
0540	08151	STEEL REINFORCEMENT-EPOXY COATED	9,163.00	LB
0545	08170	SHEAR CONNECTORS	1.00	LS
0550	08662	PRECAST PC BOX BEAM CB17-48	132.00	LF
0555	23378EC	CONCRETE SEALING	565.00	SQFT
0560	25017ED	RAIL SYSTEM SIDE MOUNTED MGS	76.00	LF
0565	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 227030

121GR22085 (FD51 FEMA D23A/4663DR)

MB06015552201

GOLDEN ROD DRIVE (CR 1555) BRIDGE 060C009 OVER RIGHT FORK OF BEAVER CREEK BRIDGE REPLACEMENT.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0265	00020	TRAFFIC BOUND BASE	151.00	TON
0270	03304	BRIDGE OVERLAY APPROACH PAVEMENT	145.00	SQYD
0275	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	5.00	EACH
0280	02223	GRANULAR EMBANKMENT	55.00	CUYD
0285	02351	GUARDRAIL-STEEL W BEAM-S FACE	50.00	LF
0290	02360	GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH
0295	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0300	02651	DIVERSIONS (BY-PASS DETOURS)	1.00	LS
0305	02726	STAKING	1.00	LS
0310	02731	REMOVE STRUCTURE	1.00	LS
0315	06406	SBM ALUM SHEET SIGNS .080 IN	6.00	SQFT
0320	06410	STEEL POST TYPE 1	14.00	LF
0325	21415ND	EROSION CONTROL	1.00	LS
0330	24631EC	BARCODE SIGN INVENTORY	1.00	EACH
0335	02231	STRUCTURE GRANULAR BACKFILL	75.00	CUYD
0340	02355	GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF
0345	03299	ARMORED EDGE FOR CONCRETE	24.00	LF
0350	08003	FOUNDATION PREPARATION	1.00	LS
0355	08019	CYCLOPEAN STONE RIP RAP	115.00	TON
0360	08039	PRE-DRILLING FOR PILES	83.00	LF
0365	08051	PILES-STEEL HP14X89	107.00	LF
0370	08100	CONCRETE-CLASS A	40.60	CUYD
0375	08101	CONCRETE-CLASS A MOD	3.20	CUYD
0380	08104	CONCRETE-CLASS AA	10.20	CUYD
0385	08150	STEEL REINFORCEMENT	4,966.00	LB
0390	08151	STEEL REINFORCEMENT-EPOXY COATED	2,084.00	LB
0395	08170	SHEAR CONNECTORS	1.00	LS
0400	08662	PRECAST PC BOX BEAM CB17-48	129.00	LF
0405	08801	GUARDRAIL-STEEL W BEAM-S FACE BR	75.00	LF
0410	23378EC	CONCRETE SEALING	1,462.00	SQFT
0415	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 227030

121GR22085 (FD51 FEMA D23A/4663DR)

MB06015642201

VERNIE MINOR LANE (CR 1564) BRIDGE 060C012 OVER CANEY FORK AT MP 00.02 BRIDGE REPLACEMENT.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	81.00	TON
0010	00020	TRAFFIC BOUND BASE	30.00	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0015	00078	CRUSHED AGGREGATE SIZE NO 2	97.00	TON
0020	00221	CL2 ASPH BASE 0.75D PG64-22	43.00	TON
0025	00301	CL2 ASPH SURF 0.38D PG64-22	29.00	TON
0030	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	.20	TON
0035	01792	ADJUST MANHOLE	1.00	EACH
0040	02014	BARRICADE-TYPE III	5.00	EACH
0045	02159	TEMP DITCH	175.00	LF
0050	02160	CLEAN TEMP DITCH	88.00	LF
0055	02200	ROADWAY EXCAVATION	57.00	CUYD
0060	02242	WATER	100.00	MGAL
0065	02268	REMOVE & REPLACE FENCE	165.00	LF
0070	02360	GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH
0075	02484	CHANNEL LINING CLASS III	162.00	TON
0080	02545	CLEARING AND GRUBBING - CLEARING AND GRUBBING	1.00	LS
0085	02562	TEMPORARY SIGNS	300.00	SQFT
0090	02565	OBJECT MARKER TYPE 2	4.00	EACH
0095	02585	EDGE KEY	53.00	LF
0100	02603	FABRIC-GEOTEXTILE CLASS 2	225.00	SQYD
0105	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0110	02651	DIVERSIONS (BY-PASS DETOURS)	1.00	LS
0115	02701	TEMP SILT FENCE	175.00	LF
0120	02703	SILT TRAP TYPE A	1.00	EACH
0125	02704	SILT TRAP TYPE B	1.00	EACH
0130	02706	CLEAN SILT TRAP TYPE A	1.00	EACH
0135	02707	CLEAN SILT TRAP TYPE B	1.00	EACH
0140	02726	STAKING	1.00	LS
0145	02731	REMOVE STRUCTURE	1.00	LS
0150	05950	EROSION CONTROL BLANKET	755.00	SQYD
0155	05952	TEMP MULCH	502.00	SQYD
0160	05953	TEMP SEEDING AND PROTECTION	378.00	SQYD
0165	05963	INITIAL FERTILIZER	.10	TON
0170	05964	MAINTENANCE FERTILIZER	.10	TON
0175	05985	SEEDING AND PROTECTION	755.00	SQYD
0180	05992	AGRICULTURAL LIMESTONE	1.00	TON
0185	06514	PAVE STRIPING-PERM PAINT-4 IN	350.00	LF
0190	20430ED	SAW CUT	53.00	LF
0195	02231	STRUCTURE GRANULAR BACKFILL	86.00	CUYD
0200	03299	ARMORED EDGE FOR CONCRETE	24.00	LF
0205	08003	FOUNDATION PREPARATION	1.00	LS
0210	08033	TEST PILES	35.00	LF
0215	08039	PRE-DRILLING FOR PILES	30.00	LF
0220	08046	PILES-STEEL HP12X53	70.00	LF
0225	08100	CONCRETE-CLASS A	30.10	CUYD
0230	08104	CONCRETE-CLASS AA	6.90	CUYD
0235	08150	STEEL REINFORCEMENT	2,163.00	LB
0240	08151	STEEL REINFORCEMENT-EPOXY COATED	1,073.00	LB
0245	08661	PRECAST PC BOX BEAM CB12-48	102.00	LF
0250	23378EC	CONCRETE SEALING	867.00	SQFT
0255	23539EC	BRIDGE RAIL	68.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0260	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 227030

121GR22085 (FD51 FEMA D23A/4663DR)

MB09819712201

HYLTON CHURCH ROAD (CR 1971) BRIDGE 098C00135N OVER ELKHORN CREEK BRIDGE REPLACEMENT.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0570	00020	TRAFFIC BOUND BASE	110.00	TON
0575	02585	EDGE KEY	10.00	LF
0580	03304	BRIDGE OVERLAY APPROACH PAVEMENT	101.00	SQYD
0585	20430ED	SAW CUT	51.00	LF
0590	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	4.00	EACH
0595	02223	GRANULAR EMBANKMENT	118.00	CUYD
0600	02351	GUARDRAIL-STEEL W BEAM-S FACE	56.25	LF
0605	02360	GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH
0610	02371	GUARDRAIL END TREATMENT TYPE 7	1.00	EACH
0615	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0620	02651	DIVERSIONS (BY-PASS DETOURS)	1.00	LS
0625	02726	STAKING	1.00	LS
0630	02731	REMOVE STRUCTURE	1.00	LS
0635	06406	SBM ALUM SHEET SIGNS .080 IN	6.00	SQFT
0640	06410	STEEL POST TYPE 1	14.00	LF
0645	21415ND	EROSION CONTROL	1.00	LS
0650	24631EC	BARCODE SIGN INVENTORY	1.00	EACH
0655	02231	STRUCTURE GRANULAR BACKFILL	166.00	CUYD
0660	02355	GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF
0665	03299	ARMORED EDGE FOR CONCRETE	24.00	LF
0670	08003	FOUNDATION PREPARATION	1.00	LS
0675	08019	CYCLOPEAN STONE RIP RAP	234.00	TON
0680	08033	TEST PILES	46.00	LF
0685	08039	PRE-DRILLING FOR PILES	96.00	LF
0690	08051	PILES-STEEL HP14X89	114.00	LF
0695	08095	PILE POINTS-14 IN	8.00	EACH
0700	08100	CONCRETE-CLASS A	74.80	CUYD
0705	08104	CONCRETE-CLASS AA	12.20	CUYD
0710	08150	STEEL REINFORCEMENT	7,170.00	LB
0715	08151	STEEL REINFORCEMENT-EPOXY COATED	1,181.00	LB
0720	08662	PRECAST PC BOX BEAM CB17-48	144.00	LF
0725	08801	GUARDRAIL-STEEL W BEAM-S FACE BR	85.00	LF
0730	23378EC	CONCRETE SEALING	2,012.00	SQFT
0735	02569	DEMOBILIZATION	1.00	LS

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

SPECIFICATIONS REFERENCE

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>

SPECIAL PROVISION FOR EMBANKMENT AT BRIDGE END BENT STRUCTURES

This Special Provision will apply when indicated on the plans or in the proposal. Section references herein are to the Department's Standard Specifications for Road and Bridge Construction, Current Edition.

1.0 DESCRIPTION. Construct a soil, granular, or rock embankment with soil, granular or cohesive pile core and place structure granular backfill, as the Plans require. Construct the embankment according to the requirements of this Special Provision, the Plans, Standard Drawing RGX 100 and 105, and the Standard Specifications, Current Edition.

2.0 MATERIALS.

2.1 Granular Embankment. Conform to Subsection 805.10. When Granular Embankment materials are erodible or unstable according to Subsection 805.03.04, use the Special Construction Methods found in 3.2 of the Special Provision.

2.2 Rock Embankment. Provide durable rock from roadway excavation that consists principally of Unweathered Limestone, Durable Shale (SDI equal to or greater than 95 according to KM 64-513), or Durable Sandstone.

2.3 Pile Core. Provide a pile core in the area of the embankments where deep foundations are to be installed unless otherwise specified. The Pile Core is the zone indicated on Standard Drawings RGX 100 and 105 designated as Pile Core. Material control of the pile core area during embankment construction is always required. Proper Pile Core construction is required for installation of foundation elements such as drilled or driven piles or drilled shafts. The type of material used to construct the pile core is as directed in the plans or below. Typically, the pile core area will be constructed from the same material used to construct the surrounding embankment. Pile Core can be classified as one of three types:

A) Pile Core - Conform to Section 206 of the Standard Specifications. Provide pile core material consisting of the same material as the adjacent embankment except the material in the pile core area shall be free of boulders or particle sizes larger than 4 inches in any dimension or any other obstructions that may hinder pile driving operations. If the pile core material hinders pile driving operations, take the appropriate means necessary to reach the required pile tip elevation, at no expense to the Department.

B) Granular Pile Core. Granular pile core is required only when specified in the plans. Select a gradation of durable rock to facilitate pile driving that conforms to Subsection 805.11. If granular pile core material hinders pile driving operations, take appropriate means necessary to reach the required pile tip elevation, at no expense to the Department.

C) Cohesive Pile Core. Cohesive Pile Core is required only when specified in the plans. Conform to Section 206 of the Standard Specifications and use soil with at least 50 percent passing a No. 4 sieve having a minimum Plasticity Index (PI) of 10. In addition, keep the cohesive pile core free of boulders, larger than 4 inches in any dimension, or any other obstructions, which would interfere with drilling operations. If cohesive pile core material interferes with drilling operations, take appropriate means necessary to maintain

excavation stability, at no expense to the Department.

2.4 Structure Granular Backfill. Conform to Subsection 805.11

2.5 Geotextile Fabric. Conform to Type I or Type IV in Section 214 and 843.

3.0 CONSTRUCTION.

3.1 General. Construct roadway embankments at end bents according to Section 206 and in accordance with the Special Provision, the Plans, and Standard Drawings for the full embankment section. In some instances, granular or rock embankment will be required for embankment construction for stability purposes, but this special provision does not prevent the use of soil when appropriate. Refer to the plans for specific details regarding material requirements for embankment construction.

Place and compact the pile core and structure granular backfill according to the applicable density requirements for the project. If the embankment and pile core are dissimilar materials (i.e., a granular pile core is used with a soil embankment or a cohesive pile core is used with a granular embankment), a Geotextile Fabric, Type IV, will be required between the pile core and embankment in accordance with Sections 214 and 843 of the Standard Specifications.

When granular or rock embankment is required for embankment construction, conform to the general requirements of Subsection 206.03.02 B. In addition, place the material in no greater than 2-foot loose lifts and compact with a vibrating smooth wheel roller capable of producing a minimum centrifugal force of 15 tons. Apply these requirements to the full width of the embankment for a distance of half the embankment height or 50 feet, whichever is greater, as shown on Standard Drawing RGX-105.

When using granular pile core, install 8-inch perforated underdrain pipe at or near the elevation of the original ground in the approximate locations depicted on the standard drawing, and as the Engineer directs, to ensure positive drainage of the embankment. Wrap the perforated pipe with a fabric of a type recommended by the pipe manufacturer.

After constructing the embankment, excavate for the end bent cap, drive piling, install shafts or other foundation elements, place the mortar bed, construct the end bent, and complete the embankment to finish grade according to the construction sequence shown on the Plans or Standard Drawings and as specified hereinafter.

Certain projects may require widening of existing embankments and the removal of substructures. Construct embankment according to the plans. Substructure removal shall be completed according to the plans and Section 203. Excavation may be required at the existing embankment in order to place the structure granular backfill as shown in the Standard Drawings.

After piles are driven or shafts installed (see design drawings), slope the bottom of the excavation towards the ends of the trench as noted on the plans for drainage. Using a separate pour, place concrete mortar, or any class concrete, to provide a base for forming and placing the cap. Place side forms for the end bent after the mortar has set sufficiently to support workmen and forms without being disturbed.

Install 4-inch perforated pipe in accordance with the plans and Standard Drawings. In the event slope protection extends above the elevation of the perforated pipe, extend the pipe through the slope protection.

After placing the end bent cap and achieving required concrete cylinder strengths, remove adjacent forms and fill the excavation with compacted structure granular backfill material (maximum 1' loose lifts) to the level of the berm prior to placing beams for the bridge. Place Type IV geotextile fabric between embankment material and structure granular backfill. After completing the end bent backwall, or after completing the span end

wall, place the compacted structure granular backfill (maximum 1' loose lifts) to subgrade elevation. If the original excavation is enlarged, fill the entire volume with compacted structure granular backfill (maximum 1' loose lifts) at no expense to the Department. Do not place backfill before removing adjacent form work. Place structure granular backfill material in trench ditches at the ends of the excavation. Place Geotextile Fabric, Type IV over the surface of the compacted structure granular backfill prior to placing aggregate base course.

Tamp the backfill with hand tampers, pneumatic tampers, or other means approved by the Engineer. Thoroughly compact the backfill under the overhanging portions of the structure to ensure that the backfill is in intimate contact with the sides of the structure.

Do not apply seeding, sodding, or other vegetation to the exposed granular embankment.

3.2 Special Construction Methods. Erodible or unstable materials may erode even when protected by riprap or channel lining; use the special construction method described below when using these materials.

Use fine aggregates or friable sandstone granular embankment at "dry land" structures only. Do not use them at stream crossings or locations subject to flood waters.

For erodible or unstable materials having 50 percent or more passing the No. 4 sieve, protect with geotextile fabric. Extend the fabric from the original ground to the top of slope over the entire area of the embankment slopes on each side of, and in front of, the end bent. Cover the fabric with at least 12 inches of non-erodible material.

For erodible or unstable materials having less than 50 percent passing a No. 4 sieve, cover with at least 12 inches of non-erodible material.

Where erodible or unstable granular embankment will be protected by riprap or channel lining, place Type IV geotextile fabric between the embankment and the specified slope protection.

4.0 MEASUREMENT.

4.1 Granular Embankment. The Department will measure the quantity in cubic yards using the plan quantity, increased or decreased by authorized adjustments as specified in Section 204. The Department will not measure for payment any Granular Embankment that is not called for in the plans.

The Department will not measure for payment any special construction caused by using erodible or unstable materials and will consider it incidental to the Granular Embankment regardless of whether the erodible or unstable material was specified or permitted.

4.2 Rock Embankment. The Department will not measure for payment any rock embankment and will consider it incidental to roadway excavation or embankment in place, as applicable. Rock embankments will be constructed using granular embankment on projects where there is no available rock present within the excavation limits of the project.

4.3 Pile Core. Pile core will be measured and paid under roadway excavation or embankment in place, as applicable. The Department will not measure the pile core for separate payment. The Department will not measure for payment the 8-inch perforated underdrain pipe and will consider it incidental to the Pile Core.

4.4 Structure Granular Backfill. The Department will measure the quantity in cubic yards using the plan quantity, increased or decreased by authorized adjustments as specified in Section 204. The Department will not measure any additional material required for backfill outside the limits shown on the Plans and Standard Drawings for payment and will

consider it incidental to the work.

The Department will not measure for payment the 4-inch perforated underdrain pipe and will consider it incidental to the Structure Granular Backfill.

4.5 Geotextile Fabric. The Department will not measure the quantity of fabric used for separating dissimilar materials when constructing the embankment and pile core and will consider it incidental to embankment construction.

The Department will not measure for payment the Geotextile Fabric used to separate the Structure Granular Backfill from the embankment and aggregate base course and will consider it incidental to Structure Granular Backfill.

The Department will not measure for payment the Geotextile Fabric required for construction with erodible or unstable materials and will consider it incidental to embankment construction.

4.6 End Bent. The Department will measure the quantities according to the Contract. The Department will not measure furnishing and placing the 2-inch mortar or concrete bed for payment and will consider it incidental to the end bent construction.

4.7 Structure Excavation. The Department will not measure structure excavation on new embankments for payment and will consider it incidental to the Structure Granular Backfill or Concrete as applicable.

5.0 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>
02223	Granular Embankment	Cubic Yards
02231	Structure Granular Backfill	Cubic Yards

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

September 16, 2016

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	81.00	TON		\$	
0020	00003		CRUSHED STONE BASE	15.00	TON		\$	
0030	00020		TRAFFIC BOUND BASE	291.00	TON		\$	
0040	00078		CRUSHED AGGREGATE SIZE NO 2	97.00	TON		\$	
0050	00080		CRUSHED AGGREGATE SIZE NO 23	27.00	TON		\$	
0060	00221		CL2 ASPH BASE 0.75D PG64-22	43.00	TON		\$	
0070	00301		CL2 ASPH SURF 0.38D PG64-22	29.00	TON		\$	
0080	02585		EDGE KEY	31.00	LF		\$	
0090	03304		BRIDGE OVERLAY APPROACH PAVEMENT	363.00	SQYD		\$	
0100	20430ED		SAW CUT	51.00	LF		\$	
0110	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	.20	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0120	01792		ADJUST MANHOLE	1.00	EACH		\$	
0130	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	19.00	EACH		\$	
0140	02014		BARRICADE-TYPE III	5.00	EACH		\$	
0150	02159		TEMP DITCH	175.00	LF		\$	
0160	02160		CLEAN TEMP DITCH	88.00	LF		\$	
0170	02200		ROADWAY EXCAVATION	57.00	CUYD		\$	
0180	02223		GRANULAR EMBANKMENT	510.00	CUYD		\$	
0190	02242		WATER	100.00	MGAL		\$	
0200	02268		REMOVE & REPLACE FENCE	165.00	LF		\$	
0210	02273		FENCE-4 FT CHAIN LINK	75.00	LF		\$	
0220	02351		GUARDRAIL-STEEL W BEAM-S FACE	693.75	LF		\$	
0230	02360		GUARDRAIL TERMINAL SECTION NO 1	16.00	EACH		\$	
0240	02371		GUARDRAIL END TREATMENT TYPE 7	1.00	EACH		\$	
0250	02484		CHANNEL LINING CLASS III	162.00	TON		\$	
0260	02545		CLEARING AND GRUBBING CLEARING AND GRUBBING	1.00	LS		\$	
0270	02562		TEMPORARY SIGNS	327.00	SQFT		\$	
0280	02565		OBJECT MARKER TYPE 2	4.00	EACH		\$	
0290	02585		EDGE KEY	53.00	LF		\$	
0300	02603		FABRIC-GEOTEXTILE CLASS 2	225.00	SQYD		\$	
0310	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0320	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0330	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0340	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0350	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0360	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0370	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0380	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0390	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0400	02701		TEMP SILT FENCE	175.00	LF		\$	

Report Date 11/29/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	02703		SILT TRAP TYPE A	1.00	EACH		\$	
0420	02704		SILT TRAP TYPE B	1.00	EACH		\$	
0430	02706		CLEAN SILT TRAP TYPE A	1.00	EACH		\$	
0440	02707		CLEAN SILT TRAP TYPE B	1.00	EACH		\$	
0450	02726		STAKING	1.00	LS		\$	
0460	02731		REMOVE STRUCTURE	1.00	LS		\$	
0470	02731		REMOVE STRUCTURE	1.00	LS		\$	
0480	02731		REMOVE STRUCTURE	1.00	LS		\$	
0490	02731		REMOVE STRUCTURE	1.00	LS		\$	
0500	02731		REMOVE STRUCTURE	1.00	LS		\$	
0510	05950		EROSION CONTROL BLANKET	755.00	SQYD		\$	
0520	05952		TEMP MULCH	696.00	SQYD		\$	
0530	05953		TEMP SEEDING AND PROTECTION	523.00	SQYD		\$	
0540	05963		INITIAL FERTILIZER	.10	TON		\$	
0550	05964		MAINTENANCE FERTILIZER	.10	TON		\$	
0560	05985		SEEDING AND PROTECTION	771.00	SQYD		\$	
0570	05992		AGRICULTURAL LIMESTONE	1.01	TON		\$	
0580	06406		SBM ALUM SHEET SIGNS .080 IN	12.00	SQFT		\$	
0590	06410		STEEL POST TYPE 1	28.00	LF		\$	
0600	06514		PAVE STRIPING-PERM PAINT-4 IN	350.00	LF		\$	
0610	20430ED		SAW CUT	53.00	LF		\$	
0620	21415ND		EROSION CONTROL	1.00	LS		\$	
0630	24631EC		BARCODE SIGN INVENTORY	2.00	EACH		\$	

Section: 0003 - BRIDGE - 060C010

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0640	02231		STRUCTURE GRANULAR BACKFILL	109.00	CUYD		\$	
0650	02355		GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF		\$	
0660	03299		ARMORED EDGE FOR CONCRETE	24.40	LF		\$	
0670	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0680	08019		CYCLOPEAN STONE RIP RAP	71.00	TON		\$	
0690	08100		CONCRETE-CLASS A	93.70	CUYD		\$	
0700	08104		CONCRETE-CLASS AA	8.20	CUYD		\$	
0710	08150		STEEL REINFORCEMENT	10,199.00	LB		\$	
0720	08151		STEEL REINFORCEMENT-EPOXY COATED	833.00	LB		\$	
0730	08661		PRECAST PC BOX BEAM CB12-48	102.00	LF		\$	
0740	08801		GUARDRAIL-STEEL W BEAM-S FACE BR	58.00	LF		\$	
0750	23378EC		CONCRETE SEALING	1,871.00	SQFT		\$	
0760	24375EC		STRUCTURE EXCAVATION-SPECIAL SOLID ROCK	56.00	CUYD		\$	

Section: 0004 - BRIDGE - 060C015

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0770	02231		STRUCTURE GRANULAR BACKFILL	56.00	CUYD		\$	
0780	02998		MASONRY COATING	74.00	SQYD		\$	

Report Date 11/29/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0790	03299		ARMORED EDGE FOR CONCRETE	24.00	LF		\$	
0800	08001		STRUCTURE EXCAVATION-COMMON	103.00	CUYD		\$	
0810	08019		CYCLOPEAN STONE RIP RAP	188.00	TON		\$	
0820	08033		TEST PILES	41.00	LF		\$	
0830	08039		PRE-DRILLING FOR PILES	66.00	LF		\$	
0840	08051		PILES-STEEL HP14X89	80.00	LF		\$	
0850	08095		PILE POINTS-14 IN	3.00	EACH		\$	
0860	08100		CONCRETE-CLASS A	45.00	CUYD		\$	
0870	08104		CONCRETE-CLASS AA	9.00	CUYD		\$	
0880	08151		STEEL REINFORCEMENT-EPOXY COATED	9,163.00	LB		\$	
0890	08170		SHEAR CONNECTORS	1.00	LS		\$	
0900	08662		PRECAST PC BOX BEAM CB17-48	132.00	LF		\$	
0910	23378EC		CONCRETE SEALING	565.00	SQFT		\$	
0920	25017ED		RAIL SYSTEM SIDE MOUNTED MGS	76.00	LF		\$	

Section: 0005 - BRIDGE - 060C009

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0930	02231		STRUCTURE GRANULAR BACKFILL	75.00	CUYD		\$	
0940	02355		GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF		\$	
0950	03299		ARMORED EDGE FOR CONCRETE	24.00	LF		\$	
0960	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0970	08019		CYCLOPEAN STONE RIP RAP	115.00	TON		\$	
0980	08039		PRE-DRILLING FOR PILES	83.00	LF		\$	
0990	08051		PILES-STEEL HP14X89	107.00	LF		\$	
1000	08100		CONCRETE-CLASS A	40.60	CUYD		\$	
1010	08101		CONCRETE-CLASS A MOD	3.20	CUYD		\$	
1020	08104		CONCRETE-CLASS AA	10.20	CUYD		\$	
1030	08150		STEEL REINFORCEMENT	4,966.00	LB		\$	
1040	08151		STEEL REINFORCEMENT-EPOXY COATED	2,084.00	LB		\$	
1050	08170		SHEAR CONNECTORS	1.00	LS		\$	
1060	08662		PRECAST PC BOX BEAM CB17-48	129.00	LF		\$	
1070	08801		GUARDRAIL-STEEL W BEAM-S FACE BR	75.00	LF		\$	
1080	23378EC		CONCRETE SEALING	1,462.00	SQFT		\$	

Section: 0006 - BRIDGES - 060C012

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1090	02231		STRUCTURE GRANULAR BACKFILL	86.00	CUYD		\$	
1100	03299		ARMORED EDGE FOR CONCRETE	24.00	LF		\$	
1110	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1120	08033		TEST PILES	35.00	LF		\$	
1130	08039		PRE-DRILLING FOR PILES	30.00	LF		\$	
1140	08046		PILES-STEEL HP12X53	70.00	LF		\$	
1150	08100		CONCRETE-CLASS A	30.10	CUYD		\$	
1160	08104		CONCRETE-CLASS AA	6.90	CUYD		\$	
1170	08150		STEEL REINFORCEMENT	2,163.00	LB		\$	

Report Date 11/29/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1180	08151		STEEL REINFORCEMENT-EPOXY COATED	1,073.00	LB		\$	
1190	08661		PRECAST PC BOX BEAM CB12-48	102.00	LF		\$	
1200	23378EC		CONCRETE SEALING	867.00	SQFT		\$	
1210	23539EC		BRIDGE RAIL	68.00	LF		\$	

Section: 0007 - BRIDGE - 098C00135N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1220	02231		STRUCTURE GRANULAR BACKFILL	166.00	CUYD		\$	
1230	02355		GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF		\$	
1240	03299		ARMORED EDGE FOR CONCRETE	24.00	LF		\$	
1250	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1260	08019		CYCLOPEAN STONE RIP RAP	234.00	TON		\$	
1270	08033		TEST PILES	46.00	LF		\$	
1280	08039		PRE-DRILLING FOR PILES	96.00	LF		\$	
1290	08051		PILES-STEEL HP14X89	114.00	LF		\$	
1300	08095		PILE POINTS-14 IN	8.00	EACH		\$	
1310	08100		CONCRETE-CLASS A	74.80	CUYD		\$	
1320	08104		CONCRETE-CLASS AA	12.20	CUYD		\$	
1330	08150		STEEL REINFORCEMENT	7,170.00	LB		\$	
1340	08151		STEEL REINFORCEMENT-EPOXY COATED	1,181.00	LB		\$	
1350	08662		PRECAST PC BOX BEAM CB17-48	144.00	LF		\$	
1360	08801		GUARDRAIL-STEEL W BEAM-S FACE BR	85.00	LF		\$	
1370	23378EC		CONCRETE SEALING	2,012.00	SQFT		\$	

Section: 0008 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1380	02569		DEMOBILIZATION	1.00	LS		\$	