



**CALL NO. 421**

**CONTRACT ID. 237001**

**PERRY - OWSLEY - BREATHITT COUNTIES**

**FED/STATE PROJECT NUMBER 121GR23M009 - FD51**

**DESCRIPTION VARIOUS ROUTES IN DISTRICT 10 - 5 LOCATIONS**

**WORK TYPE BRIDGE REPLACEMENT**

**PRIMARY COMPLETION DATE 10/1/2023**

**LETTING DATE: January 26,2023**

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME January 26,2023. 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 - 10

CONTRACT ID - 237001  
121GR23M009 - FD51  
COUNTY - BREATHITT  
PCN - MB01310062301  
FD51 013 1006 C00086N

SWIFT BRANCH ROAD (CR 1006) BRIDGE 013C00086N OVER SOUTH FORK QUICKSAND AT MP 00.02BRIDGE REPLACEMENT  
GEOGRAPHIC COORDINATES LATITUDE 37:31:41.00 LONGITUDE 83:16:19.00  
ADT

COUNTY - OWSLEY  
PCN - MB09511162301  
FD51 095 1116 C000001

JOE DUNN LANE (CR 1116) BRIDGE 095C001 OVER LEFT FORK BUFFALO CREEK AT MP 00.01BRIDGE REPLACEMENT  
GEOGRAPHIC COORDINATES LATITUDE 37:21:43.00 LONGITUDE 83:37:37.00  
ADT

COUNTY - PERRY  
PCN - MB09714832301  
FD51 097 1483 C000007

TWIN OAKS LANE (CR 1483) BRIDGE 097C007 OVER LOTTS CREEK AT MP 00.01BRIDGE REPLACEMENT  
GEOGRAPHIC COORDINATES LATITUDE 37:17:19.00 LONGITUDE 83:09:05.00  
ADT

PCN - MB09717972301  
FD51 097 1797 C012 00.01

CREEKSIDE BEND (CR 1797) BRIDGE 096C012 OVER GRAPEVINE CREEK AT MP 00.01BRIDGE REPLACEMENT  
GEOGRAPHIC COORDINATES LATITUDE 37:21:04.00 LONGITUDE 83:17:45.00  
ADT

PCN - MB09720102301  
FD51 097 2010 C029 00.01

MAPLE DRIVE (CS 2010) BRIDGE 097C029 OVER MONTGOMERY CREEK AT MP 00.01BRIDGE REPLACEMENT  
GEOGRAPHIC COORDINATES LATITUDE 37:12:40.00 LONGITUDE 83:03:22.00  
ADT

COMPLETION DATE(S):

COMPLETED BY 10/01/2023	APPLIES TO ENTIRE CONTRACT
50 CALENDAR Days	APPLIES TO 013C00086N
50 CALENDAR Days	APPLIES TO 095C001
50 CALENDAR Days	APPLIES TO 097C007
50 CALENDAR Days	APPLIES TO 097C012
28 CALENDAR Days	APPLIES TO 097C029



## **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](http://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](mailto: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](http://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. 10  
BREATHITT COUNTY  
BRIDGE REPLACEMENT  
CID 23-7001 ~ 121GR23M009  
BRIDGE NUBMER 013C00086N  
FEMA D23A/4663-DR**

**FD51 013 1006 C00086N 00.02**

CR 1006 (Swift Branch Road) over South Fork Quicksand Creek

***Geographic Coordinates***

Latitude 37° 31' 41.00'' (37.5281)

Longitude -83° 16' 19.00'' (-83.2719)

**Description**

50' Steel Span (Existing)

(Proposed)

**SPECIAL NOTES FOR BRIDGE REPLACEMENT  
013C00086N**

SPECIAL NOTE FOR CONCRETE SEALING

SPECIAL FOR SEDIMENT PREVENTION AND EROSION CONTROL

SPECIAL NOTE FOR TRAFFIC CONTROL ON BRIDGE REPAIR CONTRACTS

SPECIAL NOTE FOR TREE SEASONAL TREE CLEARING RESTRICTION

SPECIAL NOTE FOR ADDITIONAL ENVIRONMENTAL COMMITMENTS

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 current 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, equipment, and incidental items necessary to complete the work.
- 2. Provide safe access to the bridge, in accordance with Section 107.01.01, for the Engineer to sound possible repair areas and for workers to complete the construction.
- 3. Repair cracks as applicable in accordance with the Special Note for Epoxy Injection Crack Repair.
- 4. Repair delaminated or spalled areas as applicable in accordance with the Special Note for Concrete Patching.
- 5. Apply Ordinary Surface Finish
- 6. Prepare the surfaces to receive sealing.
- 7. Apply concrete sealing.
- 8. Any other work as 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 <sup>2</sup> /gallon)
100	300
40	120
20	60

**III. CONSTRUCTION.**

- A. Perform Concrete Repairs.** Repair concrete surface in accordance with the Special Note for Epoxy Injection Crack Repair and/or the Special Note for Concrete Patching Repair if included in the contract documents.
- B. Curing Compound.** Contrary to Section 609.03.12 of the specifications, curing compound is not to be used on the 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.
- C. Apply Ordinary Surface Finish.** In addition to new concrete, areas receiving epoxy injection, concrete patching, and other surface imperfections, including areas of minor cracking, should receive Ordinary Surface Finish in accordance with Section 601.03.18 of the Standard Specifications. Existing structural items not newly placed, patched, or repaired may be exempt from Ordinary Surface Finish. Use mortar of the same cement and fine aggregate as the concrete patching, or as directed by the Engineer. Payment will be incidental to Concrete Sealing. Finish surface of bridge decks in accordance with Section 609 of the Standard Specifications.
- D. Areas to Receive Concrete Sealing:**
- Every exposed surface above a point 6” below ground or fill line of abutments, wing walls, end bent and pier caps, pedestals, back walls, columns, and exposed footings.



2. All exposed surfaces of concrete deck, barrier walls, parapets, curbs, and plinths.
  3. Prestressed Concrete I-Girders, Concrete Beams, and Spread Prestressed Concrete Box Beams: The underneath surfaces of slab overhangs outside of exterior concrete girders and to the exterior side and bottom of exterior concrete girders and beams.
  4. Adjacent Prestressed Concrete Composite Box Beams: Full length of the exterior face of all exterior beams from the top of the box beam to 1'-0" underneath the beams.
  5. Prestressed Non-Composite Box Beams: All faces of all beams, excluding surfaces to be covered with a waterproofing membrane. Take care to ensure that the grout pockets are not sealed.
  6. If the contract documents include the Special Note for Concrete Coating, do not apply concrete sealer to the areas where Concrete Coating is specified.
- E. Cleaning the Concrete Surfaces to be sealed.** Dry clean the concrete 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 sealant. Hold pressure washing wand a minimum of 45° from the surfaces with a maximum stand-off distance of 12 inches.
- F. Sealing the Concrete.** 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 concrete to dry 24 hours (after washing or rain event) before sealer application. The bridge deck can be reopened to traffic while drying. Sealer must be applied within 48 hours of washing or the concrete must be rewashed. Divide the concrete 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.
- G. 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 concrete is satisfactorily cleaned.
4. Sealer application, verify and document:
  - a. Proper cure time for new concrete.
  - b. Concrete surface is dry.
  - c. Document time since washed.
  - d. Was the bridge deck opened to traffic after washing?
  - e. Document ambient temperature, surface temperature, relative humidity, and dew point.
  - f. Application and distribution method.
  - g. Coverage to be complete and even.
  - h. Material is not allowed to remain pooled.
  - i. Monitor material usage.
  - j. No traffic on the bridge decks 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) Cleaning; (3) Sealing; (4) Maintain & control traffic; and, (5) Any other work specified as part of this contract.

## SPECIAL NOTE

### FOR SEDIMENT PREVENTION AND EROSION CONTROL

#### FOR IMPACT REGARDLESS OF SIZE OF THE DISTURBED AREA

Potential impacts to gray bat foraging habitat and habitat for federally listed fish and mussel species will be minimized by implementing erosion prevention and sediment control measures.

As required under Section 213 of the KYTC Standard Specifications, prior to onsite activities a **site-specific *Erosion Control Plan* including BMPs** to ensure continuous erosion control throughout the construction and post construction period. The plan will identify individual Disturbed Drainage Areas (DDA) where storm water from the construction area will be discharged off site or into waters of the Commonwealth.

Should the Contractor fail to create a BMP Plan or provide and maintain the necessary erosion control, Liquidated Damages will apply at the rate specified in the contract. If no rate is specified, Liquidated Damages will be applied at the rate specified in Section 108 of the Standard Specifications.

The erosion prevention and sediment controls proposed are presented below.

- The location of the individual erosion prevention/sediment control measures will be identified by the Resident Engineer and Contractor. The Contractor will place erosion control devices as identified in the site-specific BMP Plan prior to beginning work.
- Mulch will be placed, during grade and drain activities, across all areas where no work will be conducted for a period of 14 consecutive days.
- Tree clearing within the riparian zone will be minimized. Trees to be removed will be determined by the resident engineer and the contractor prior to disturbance. (Note: Any “Special Note for Tree Clearing Restrictions” must be adhered to.)
- Silt fence, or other approved method as appropriate, will be installed at the edge of waters within the project corridors to eliminate the deposition of rock and debris in the streams during construction activities. In the unforeseen event that unintended debris does enter the streams, the resident engineer will halt the contributing activity until appropriate remedial actions have been implemented.
- To the maximum extent plausible, construction activities will take place during low-flow periods.
- Equipment staging and cleaning areas will be located to eliminate direct inputs to waters of the Commonwealth. These areas will be located such that effluent will be filtered through vegetated areas and appropriate sediment controls prior to discharge offsite.

- Concrete will be poured in a manner to avoid spills into the streams. In the unforeseen event that a spill does occur, the USFWS will be notified, and the resident engineer will immediately halt the activity until remedial measures have been implemented.
- KYTC proposes to stabilize areas disturbed during construction activities through vegetation establishment and placement of riprap and geotextile fabric. Re-vegetation of the disturbed areas will allow thermoregulation of water within the streams, establish long-term, regenerative stabilization of the stream banks, and provide nutrients to the aquatic macroinvertebrate community through inputs of organic material.
- Areas disturbed during construction and not stabilized with rip rap and erosion blanket will be seeded using a standard seed mix. Depending on project slope and project location, application rates and seed mix types will vary. The Contractor shall perform all final seeding and protection, in accordance with the plans and Section 212 of KYTC Standard Specifications.
- Contrary to Section 213.03.03, paragraph 2, the Engineer shall conduct inspections as needed to verify compliance with Section 221 of KYTC Standard Specifications. The Engineer's inspections shall be performed a minimum of once per month and within seven (7) 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 BMPs are required. The Contractor shall initiate corrective action within 24 hours of any reported deficiency and complete the work within five (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. If corrections are not made within the five (5) days specified, the liquidated damages will apply at the rate specified in the Liquidated Damages note in the contract.
- Contrary to Sections 212.05 and 213.05, unless listed in the proposal, bid items for temporary BMPs and items for permanent erosion control will not be measured for payment and will be replaced with one lump sum item for the services. Payment will be pro-rated based on the Project Schedule as submitted by the Contractor and as agreed to by the Engineer.
- The Contractor shall be responsible for applying "good engineering practices." The Contractor may use any temporary BMPs and permanent BMPs that fall within the guidance of the current Standard Specifications, KYTC's Best Management Practices manual, and with the approval of the KYTC Engineer.

#### FOR IMPACT GREATER THAN 1.0 ACRE

When the total disturbed area for a project, including laydown and waste/borrow areas, is greater than 1.0 acre, 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). The Contractor will be responsible for following the KPDES requirements of local Municipal Separate Storm Sewer System (MS4) programs with jurisdiction. Required NOI shall name the Contractor as the Facility Operator and include the KYTC Contract ID Number (CID) for reference. For grouped contracts with more than one structure, each structure will be treated independently in regards to disturbed area unless another structure is within 0.25 mile of

the structure. For structures within 0.25 mile of each other, the total disturbed area will be the sum of the combined disturbed areas. 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 the project is stabilized or the project has been formally accepted.

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 August 1, 2009, or a permit re-issued to replace that KYR10 permit. This work shall be conducted in conformance with the requirements of Section 213 of the KYTC current Department of Highways, Standard Specifications for Road and Bridge Construction (Standard Specifications).

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

**If there are any questions regarding this note, please contact Danny Peake, Director, Division of Environmental Analysis, 200 Mero Street, Frankfort, KY 40601, Phone (502) 564-7250.**

## **SPECIAL NOTE FOR TRAFFIC CONTROL ON BRIDGE REPAIR CONTRACTS**

### **I. TRAFFIC CONTROL GENERAL**

Except as provided herein, traffic shall be maintained in accordance with the current standard specifications, section 112. The contractor will be responsible for developing and implementing the maintenance of traffic details with guidance through standard drawings and the MUTCD current editions. The developed traffic control plan must be approved by the Engineer prior to implementation. The contractor is expected to provide at a minimum the items listed in this note, however this note does not relieve the contractor of other items that may be necessary to comply with current standards. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to “Maintain and Control Traffic”.

Contrary to section 106.01, traffic control devices used on this project may be new or used in new condition, at the beginning of the work and maintained in like new condition until completion of the work.

The contractor must notify the engineer and public information officer at least 14 calendar days prior to the beginning work. Please see the Special Note for Liquidated Damages for additional information.

### **II. TRAFFIC COORDINATOR**

Furnish a traffic coordinator as per section 112. The traffic coordinator shall inspect the project maintenance of traffic, at least three times daily, or as directed by the engineer, during the contractor’s operations and at any time a bi-directional lane closure or road closure is in place. The personnel shall have access on the project to a radio or telephone to be used in case of emergencies or accidents. The traffic coordinator shall report all incidents throughout the work zone to the engineer on the project. The contractor shall furnish the name and telephone number where the traffic coordinator can be contacted at all times.

### **III. SIGNS**

The contractor is responsible for all signage during construction. The contractor shall adhere to the standard drawings and manual on uniform traffic control devices (MUTCD) for guidance. If, at any time, the engineer requests a change in the maintenance of traffic signage, the contractor shall implement the change within 8 hours. Failure to implement these changes within the required eight hours will result in liquidated damages of \$5,000 per day.

The contractor shall provide all detour signing needed for the bridge closure, if allowed in the contract documents. All signing required will be incidental to the lump sum bid item “Maintain and Control Traffic”.

The department will not measure installation, maintenance, or removal for payment of any detour signage or standard construction signage, and will consider these incidental to “Maintain and Control Traffic”

Closure signs, detour signs, and bi-directional lane closure signs should be placed no sooner than two weeks prior to the closing of the bridge (when applicable) or placing lane closures.

Wayfinding detour signs should be placed a maximum of 2 miles apart unless specified by the engineer. Signs shall be covered or removed within 24 hours of opening the bridge to traffic.

Road closed signs (when applicable) should be double signed and placed a minimum of 1500’, 1000’, and 500’ in advance of the closure, in addition to signage required by the MUTCD and standard drawings.

#### **IV. TEMPORARY PAVEMENT STRIPING**

For projects where road closures are allowed in the contract documents, it is not anticipated that temporary pavement striping will be needed since the bridge will be closed. However, if the contractor’s means and methods allows for need for temporary striping, conflicting pavement marking will be covered with 6” black removable tape. However, for bi-directional lane closures or if the plans call for a diversion, temporary striping will be required per the plans and MUTCD. Contrary to the standard specifications, no direct payment will be made for any temporary striping, pavement striping removal, or any other temporary striping item. If temporary striping is used, the contractor shall replace any temporary striping that becomes damaged or fails to adhere to the pavement before dark on the day of the notification. Liquidated damages shall be assessed to the contractor at a rate of \$500 per day for failing to replace temporary striping within this time limit.

#### **V. PROJECT PHASING & CONSTRUCTION PROCEDURES**

Project phasing shall be as directed by the plans, special notes, and the approved Traffic Control Plan prepared by the contractor. Maintain traffic over the bridge as long as possible. Once work on the structure begins that impacts traffic, ensure work progresses to minimize the effected time to the public. All materials that must be made specific for the project should be ordered and made prior to closure of the bridge or implementation of bi-directional lane closures so that delivery does not delay progress of the work, unless approved by the Engineer. If the bridge is reopened prior to safety devices being in place, an approved protective barrier wall shall be placed in accordance to the standard drawings. Contrary to standard specifications, no direct payment would be made for the barrier wall and will be considered incidental to “Maintain and Control Traffic”.

For projects which require an on-site diversion to be constructed to maintain traffic, the traffic control plan and project schedule prepared by the contractor shall include provisions such that traffic is not switched to the diversion until all materials that must be made specific for the project are ordered and made so that use of the diversion is minimized, unless approved by the Engineer.

## **VI. PAVEMENT DROP-OFF**

Less than two inches - no protection required. Warning signs should be placed in advance and throughout the drop-off area.

Two to four inches - plastic drums, vertical panels or barricades every 100 feet on tangent sections for speeds of 50 mph or greater. Cones may be used in place of plastic drums, panels and barricades during daylight hours. For tangent sections with speeds less than 50 mph and curves devices should be placed every 50 feet. Spacing of devices on tapered sections should be in accordance with the manual on uniform traffic control devices, current edition.

Greater than four inches - positive separation or wedge with 3:1 or flatter slope needed. If there is five feet or more distance between the edge of the pavement and the drop-off, then drums, panel, or barricades may be used. If the drop-off is greater than 12 inches, positive separation is strongly encouraged. If concrete barriers are used, special reflective devices or steady burn lights should be used for overnight installations.

For temporary conditions, drop-offs greater than four inches may be protected with plastic drums, vertical panels or barricades for short distances during daylight hours while work is being done in the drop-off area.

## **VII. VARIABLE MESSAGE SIGNS AND TEMPORARY TRAFFIC SIGNALS**

At the direction of the Engineer, the contractor is expected to provide up to four (4) message boards for use at locations determined by the Engineer. These message boards are expected to be in place one week prior to the closure of the roadway and remain in place for the duration of the closure. The message boards will be paid for as per the standard specifications.

For projects that involve the use of lane closures, all lane closures shall be bi-directional. The contractor shall provide temporary traffic signals and all labor, materials, and incidentals needed to maintain bi-directional traffic for the project. For short term bi-directional lane closures, the use of flaggers in lieu of temporary traffic signals may be acceptable if approved by the Engineer.

## **VIII. BARRICADES**

For projects which allow full closure, ensure a minimum of (4) type III barricades are used at each end of the bridge for a total of (8) type III barricades. Contrary to the standard specifications, no direct payment will be made for barricades but they will be included in the lump sum price for "Maintain and Control Traffic".

## **VIII. DETOUR AND ON SITE DIVERSIONS**

For projects which allow a full closure of the bridge, or if necessary to detour trucks, the traffic control plan proposed by the contractor shall include a signed detour route for the road closure. The traffic control plan along with the proposed detour plan will be delivered to the engineer 7



days prior to the pre-construction meeting. The proposed detour route shall meet the following requirements:

- 1) Detour routes must remain at minimum on the same classification of roadway (i.e. AA, AAA, state, county, etc.) Unless written approval is obtained through the owner of the facility.
- 2) The contractor must coordinate with other projects along the detour route in order to avoid ongoing construction projects along those routes.
- 3) It may be determined that two detour routes would be needed if the first selected route cannot accommodate truck traffic. If this occurs, the contractor is expected to sign both detours per the standard drawings and MUTCD. Additional clarification signage between the detours may be needed at points where they diverge.
- 4) For projects that involve the use of bi-directional lane closures and the temporary lane width per the plans or as proposed by the contractor is less than 10 feet, the contractor shall be required to provide a signed detour for oversized vehicles.

The traffic control plan must be submitted and approved to allow for coordination of the public information officer with the closure notification. The public must be notified of the proposed detour route when they are notified of the closure, 2 weeks before closure. All time and expenses necessary for the development of the detour plan(s) will be incidental to the lump sum bid item "Maintain and Control Traffic".

For projects with an on-site diversion included in the construction, the preparation of traffic control plans for a detour and implementation of a detour will not be required, unless specified in the plans.

## **IX. PAYMENT**

Unless listed as a bid item in the contract documents, payment will only be made for the following items:

1. Portable Changeable Message Boards - Each
2. Maintain and Control Traffic - Lump Sum

All other items needed to maintain traffic in accordance with these contract documents and the approved traffic control plan shall be considered incidental to Maintain and Control Traffic. These items include but are not limited to traffic signals, signs, barrier wall, crash cushions, temporary guardrail, temporary and permanent pavement striping, cones, barrels, flaggers, etc.

## **SPECIAL NOTE**

### **Seasonal Tree Clearing Restriction**

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**DUE TO THE RECOVEREY PLAN FOR ENDANGERED BATS, NO TREE  
CLEARING IS PERMITTED FROM JUNE 1 THROUGH JULY 31.**

**If there are any questions regarding this note, please contact Danny Peake,  
Director, Division of Environmental Analysis, 200 Mero Street, Frankfort, KY  
40601, Phone (502) 564-7250.**

## SPECIAL NOTE

### For Additional Environmental Commitments

IN ADDITION TO OTHER ENVIRONMENTAL COMMITMENTS LISTED IN THIS CONTRACT, THE FOLLOWING COMMITMENTS ALSO APPLY, AS THIS IS A FEDERALLY FUNDED UNDERTAKING AS DEFINED IN SECTION 106 OF THE NATIONAL HISTORIC PRESERVATION ACT, [36 CFR 800.16\(Z\)](#):

- 1) The KYTC has completed a Phase 1 archaeological survey for a site-specific area surrounding the bridge. The cleared area is shown as “Archaeologically Cleared Area” or “Environmentally Cleared Area” on the concept plans and/or the map attached to this note or included elsewhere in the proposal. Likewise, any areas that must be avoided have been labeled “Do Not Disturb.” The contractor shall install snow fencing to clearly delineate the boundary of the project lying within the bounds of the archeologically cleared area and right of way/easements. This snow fence shall be paid for per linear foot measured. If the Contractor requests additional area, and as a result additional delineation is required, the additional snow fence will not be paid and will be considered incidental to the original line item for snow fence.

If the Contractor deems it necessary to use additional areas outside the Archaeologically/ Environmentally Cleared Area for any purposes—e.g., laydown yards, vehicle parking, parking cranes, delivering beams, borrow areas, waste areas, etc.—the Contractor must first get a written agreement with the landowner (assuming the additional area is outside the right-of-way). Then the Contractor shall seek approval of the use of the site—whether within or outside the right-of-way—by the KYTC Section Supervisor. The Contractor shall provide a map of the area(s) to be used, including access points, and property-owner agreements. The BKY Environmental Team will complete initial field investigations for archaeological, historical, ecological, and other environmental clearances. If any potentially significant site or resources are found, the KYTC has the right to deny the use of the proposed site. The maps and property owner agreements are to be submitted at least ten (10) business days prior to the Preconstruction Conference, or sixty (60) days prior to the Contractors access to the site, for coordination and review by the KYTC District.

A Liquidated Damage of \$50,000 will be assessed whenever the Contractor has used any restricted areas. The fee will be assessed on a *per bridge* basis, whether the contract involves bridge bundles or a single bridge. In addition, all fines, fees, penalties, remediation costs, and other damages related to breaches of Threatened and Endangered Species Act Section 7, National Historic Preservation Act Section 106, Clean Water Act Sections 401 and 404, Kentucky General Permit for Stormwater Discharges KYR10, Environmental Protection Agency requirements, State Historic Preservation Office requirements, and other related permitting agencies will be paid by the Contractor, including all associated costs and burdens placed upon the Kentucky Transportation Cabinet.

- 2) In the event that human remains are encountered during project activities, all work should be immediately stopped in the area. The area should be cordoned off, and, in accordance with KRS

72.020, the county coroner and local law enforcement must be contacted immediately. Upon confirmation that the human remains are not of forensic interest, the unanticipated discovery must be reported to Nicolas Laracuenta at the Kentucky Heritage Council at (502) 892-3614, George Crothers at the Office of State Archaeology at (859) 257-1944, and KYTC DEA archaeologists at (502) 564-7250.

For guidance regarding inadvertent discovery and treatment of human remains, refer to the KYTC's [Right of Way Guidance Manual](#) (Section ROW-1202), and the Advisory Council on Historic Preservation's (ACHP) [Policy Statement Regarding Treatment of Human Remains and Grave Goods](#) (adopted by ACHP February 23, 2007).

- 3) If, during the implementation of The Project, a previously unidentified historic/ archaeological property is discovered or a previously identified historic/archaeological property is affected in an unanticipated manner, the contractor shall (1) call KYTC DEA archaeologists at (502) 564-7250, (2) call SHPO archaeologists at (502) 892-3614, and (3) ensure that all work within a reasonable area of the discovery shall cease until such time as a treatment plan can be developed and implemented.

**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>
013C00086N	50	October 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 28610 with Roadway Plans.

**SPECIAL NOTES  
DISTRICT NO. 10  
OWSLEY COUONTY  
BRIDGE REPLACEMENT  
CID 23-7001 ~ 121GR23009  
BRIDGE NUMBER 095C001  
FEMA D23A/4663-DR**

**FD51 095 1116 C001 00.01**

CR 1116 (Joe Dunn Lane) over Left Fork Buffalo Creek

***Geographic Coordinates***

Latitude 37° 21' 43.00'' (37.3619)

Longitude -83° 37' 37.00'' (-83.6269)

**Description**

Single Steel Span (Existing)

90' PPC Box Span (Proposed)

**SPECIAL NOTES FOR BRIDGE REPLACEMENT  
095C001**

SPECIAL NOTE FOR CONCRETE SEALING

SPECIAL NOTE FOR STRUCTURES WITH OVER THE SIDE DRAINAGE AND  
TYPE II RAILING

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 current 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, equipment, and incidental items necessary to complete the work.
- 2. Provide safe access to the bridge, in accordance with Section 107.01.01, for the Engineer to sound possible repair areas and for workers to complete the construction.
- 3. Repair cracks as applicable in accordance with the Special Note for Epoxy Injection Crack Repair.
- 4. Repair delaminated or spalled areas as applicable in accordance with the Special Note for Concrete Patching.
- 5. Apply Ordinary Surface Finish
- 6. Prepare the surfaces to receive sealing.
- 7. Apply concrete sealing.
- 8. Any other work as 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 <sup>2</sup> /gallon)
100	300
40	120
20	60

**III. CONSTRUCTION.**

- A. Perform Concrete Repairs.** Repair concrete surface in accordance with the Special Note for Epoxy Injection Crack Repair and/or the Special Note for Concrete Patching Repair if included in the contract documents.
- B. Curing Compound.** Contrary to Section 609.03.12 of the specifications, curing compound is not to be used on the 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.
- C. Apply Ordinary Surface Finish.** In addition to new concrete, areas receiving epoxy injection, concrete patching, and other surface imperfections, including areas of minor cracking, should receive Ordinary Surface Finish in accordance with Section 601.03.18 of the Standard Specifications. Existing structural items not newly placed, patched, or repaired may be exempt from Ordinary Surface Finish. Use mortar of the same cement and fine aggregate as the concrete patching, or as directed by the Engineer. Payment will be incidental to Concrete Sealing. Finish surface of bridge decks in accordance with Section 609 of the Standard Specifications.
- D. Areas to Receive Concrete Sealing:**
- Every exposed surface above a point 6” below ground or fill line of abutments, wing walls, end bent and pier caps, pedestals, back walls, columns, and exposed footings.

2. All exposed surfaces of concrete deck, barrier walls, parapets, curbs, and plinths.
  3. Prestressed Concrete I-Girders, Concrete Beams, and Spread Prestressed Concrete Box Beams: The underneath surfaces of slab overhangs outside of exterior concrete girders and to the exterior side and bottom of exterior concrete girders and beams.
  4. Adjacent Prestressed Concrete Composite Box Beams: Full length of the exterior face of all exterior beams from the top of the box beam to 1'-0" underneath the beams.
  5. Prestressed Non-Composite Box Beams: All faces of all beams, excluding surfaces to be covered with a waterproofing membrane. Take care to ensure that the grout pockets are not sealed.
  6. If the contract documents include the Special Note for Concrete Coating, do not apply concrete sealer to the areas where Concrete Coating is specified.
- E. Cleaning the Concrete Surfaces to be sealed.** Dry clean the concrete 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 sealant. Hold pressure washing wand a minimum of 45° from the surfaces with a maximum stand-off distance of 12 inches.
- F. Sealing the Concrete.** 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 concrete to dry 24 hours (after washing or rain event) before sealer application. The bridge deck can be reopened to traffic while drying. Sealer must be applied within 48 hours of washing or the concrete must be rewashed. Divide the concrete 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.
- G. 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 concrete is satisfactorily cleaned.
- 4. Sealer application, verify and document:
  - a. Proper cure time for new concrete.
  - b. Concrete surface is dry.
  - c. Document time since washed.
  - d. Was the bridge deck opened to traffic after washing?
  - e. Document ambient temperature, surface temperature, relative humidity, and dew point.
  - f. Application and distribution method.
  - g. Coverage to be complete and even.
  - h. Material is not allowed to remain pooled.
  - i. Monitor material usage.
  - j. No traffic on the bridge decks 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) Cleaning; (3) Sealing; (4) Maintain & control traffic; and, (5) Any other work specified as part of this contract.

## **SPECIAL NOTE FOR STRUCTURES WITH OVER THE SIDE DRAINAGE AND TYPE II RAILING**

- 1.0 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 attached detail drawings. Section references are to the Standard Specifications.

This note applies to structures with over the side drainage.

This work consists of: (1) Furnish all labor, materials, tools, and equipment; (2) Install the drip strip; (3) Maintain and control traffic as applicable; and (4) Any other work specified as part of this contract.

**2.0 MATERIALS.**

**2.1 Drip Strip.** Drip strip shall be hot dipped galvanized steel with a minimum of 22 gage.

- 3.0 CONSTRUCTION.** The Contractor shall bear full responsibility and expense for any and all damage to the structure, should such damage result from the Contractor's actions.

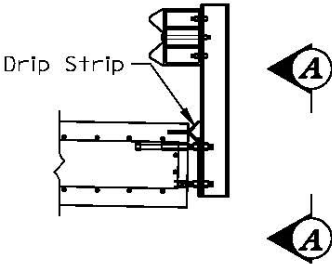
**3.1 Installation of Drip Strip.** Install lower drip strip, as detailed, along the full length of each side of the bridge. If splices are required in the lower drip strip, tightly butt the individual pieces together, do not lap. Install a 1'-6" long upper drip strip at each railing post.

For concrete decks/slabs: Bend up strips at 90° against the inside face of the forms before concrete is placed. After the forms are removed, bend the drip strips into the final position of 45° as shown in the attached detail drawing. Use care when stripping formwork so as not to damage or wrinkle the drip strip. To further ensure that wrinkling of the strips does not occur, use an adequate length backup bar during the bending out operation.

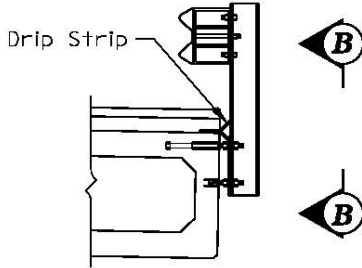
For asphalt overlays: Prior to placing the asphalt overlay, install the bent drip strips along the edge of the prestressed box beam as shown. Fasten the drip strips with (1¼" length, 3/32" shank diameter) button head spikes with deformed shanks or expansion anchors at 1'-6" c/c max. All installation devices shall be galvanized or stainless steel. Other similar devices shall not be used unless approved by the Engineer.

**4.0 PAYMENT.**

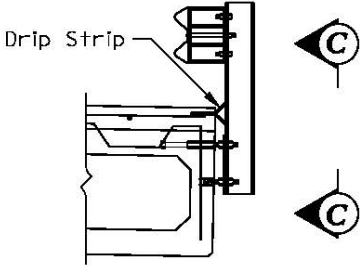
**5.1 Drip Strip.** Cost of all work, including all materials, labor, equipment, tools, and incidentals necessary to complete the work as specified by this note, shall be considered incidental to the project.



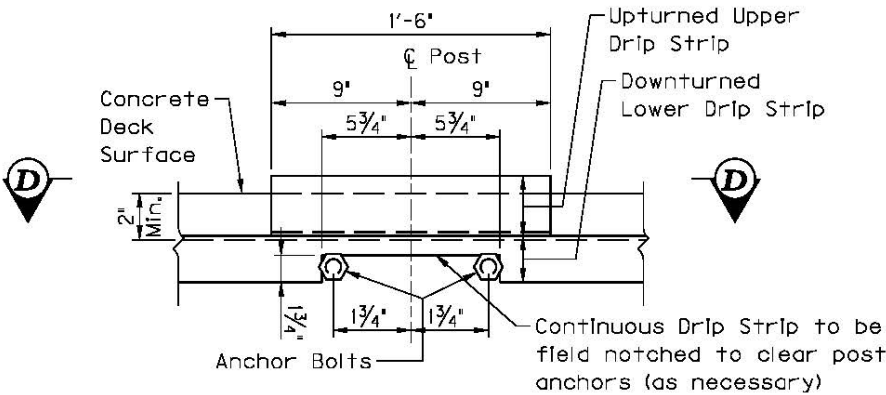
**CONCRETE SLAB WITH  
TYPE II RAILING**



**NONCOMPOSITE BOX BEAM  
WITH TYPE II RAILING**

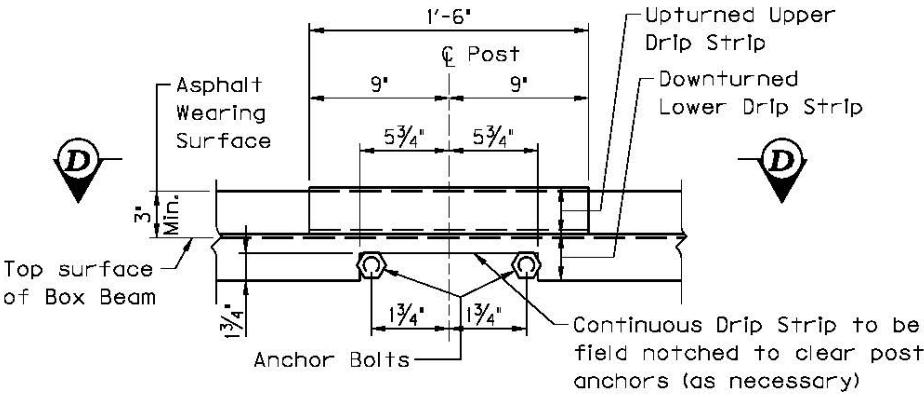


**COMPOSITE BOX BEAM  
WITH TYPE II RAILING**

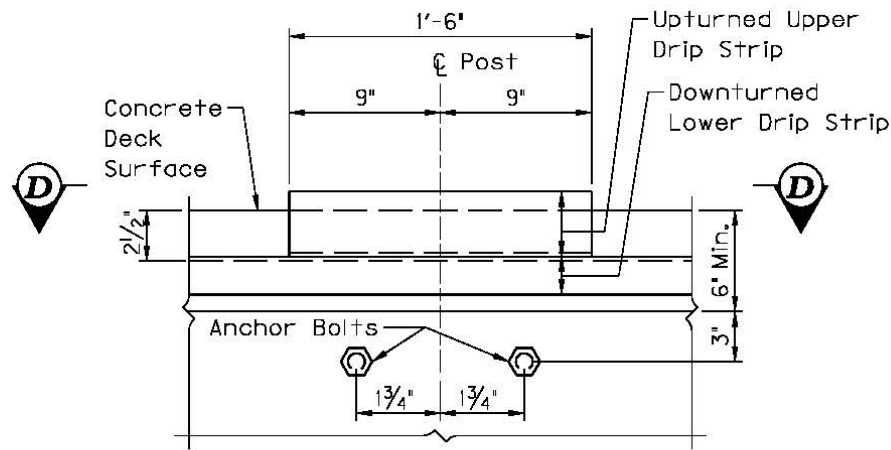


**VIEW A-A**

(Strip shown prior to concrete placement)

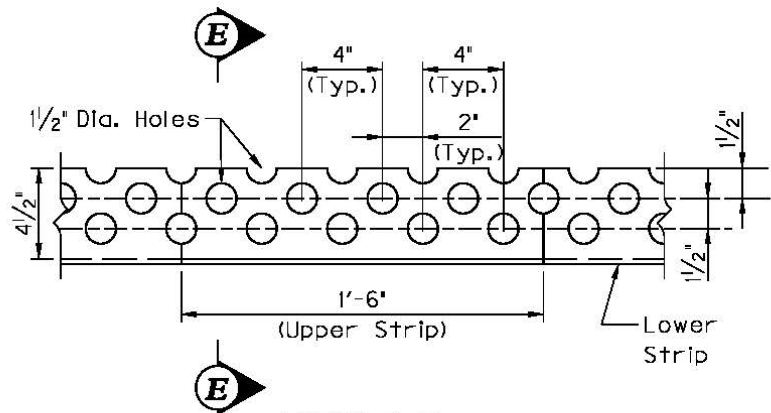


**VIEW B-B**

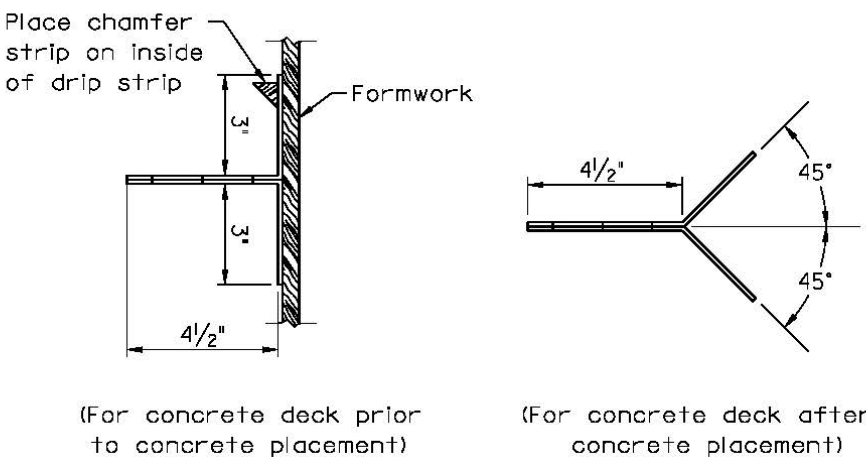


**VIEW C-C**

(Strip shown prior to concrete placement)



**VIEW D-D**



**SECTION E-E**

**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>
095C001	50	October 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.  
Drawing Number 28623 with Roadway Plans.

**SPECIAL NOTES  
DISTRICT NO. 10  
PERRY COUNTY  
BRIDGE REPLACEMENT  
CID 23-7001 ~ 121GR23M009  
BRIDGE NUMBER 097C007  
FEMA D23A/4663-DR**

**FD51 097 1483 C007 00.01**

CR 1483 (Twin Oaks Lane) over Lotts Creek/ KY 1088

***Geographic Coordinates***

Latitude 37° 17' 19' 00'' (37.2885)

Longitude -83° 09' 05' 00'' (-83.1514)

**Description**

Single Steel Span (Existing)

29'-0" RC Slab Span (Proposed)

**SPECIAL NOTES FOR BRIDGE REPLACEMENT  
097C007**

SPECIAL NOTE FOR CONCRETE SEALING

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 <sup>2</sup> /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>
097C007	50	October 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 28599 with Roadway Plans



**SPECIAL NOTES  
DISTRICT NO. 10  
PERRY COUNTY  
BRIDGE REPLACEMENT  
CID 23-7001 ~ 121GR23M009  
BRIDGE NUMBER 097C012  
FEMA D23A/4663-DR**

**FD51 097 1797 C012 00.01**

CR 1797 (Creekside Bend) over Grapevine Creek

***Geographic Coordinates***

Latitude 37° 21' 04.00'' (37.3511)

Longitude -83° 17' 45.00'' (-83.2958)

**Description**

Single Steel Span (Existing)

32'-0" PPC Box Beam Span (Proposed)

**SPECIAL NOTES FOR BRIDGE REPLACEMENT  
097C012**

SPECIAL NOTE FOR CONCRETE SEALING

SPECIAL NOTE FOR NON-TACKING TACK COAT

SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGNS

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 <sup>2</sup> /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 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 <sup>1</sup> , %	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

<sup>1</sup> 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 1<sup>st</sup> to May 15<sup>th</sup>. 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 1<sup>st</sup> to May 15<sup>th</sup>. 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

Code  
24970EC

Pay Item  
Asphalt Material for Tack Non-Tracking

Pay Unit  
Ton

Revised: May 23, 2022



## **SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGNS**

This Special Note will apply when indicated on the plans or in the proposal.

**1.0 DESCRIPTION.** Furnish, install, operate, and maintain variable message signs at the locations shown on the plans or designated by the Engineer. Remove and retain possession of variable message signs when they are no longer needed on the project.

## **2.0 MATERIALS.**

**2.1 General.** Use LED Variable Message Signs Class I, II, or III, as appropriate, from the Department's List of Approved Materials.

Unclassified signs may be submitted for approval by the Engineer. The Engineer may require a daytime and nighttime demonstration. The Engineer will make a final decision within 30 days after all required information is received.

### **2.2 Sign and Controls.** All signs must:

- 1) Provide 3-line messages with each line being 8 characters long and at least 18 inches tall. Each character comprises 35 pixels.
- 2) Provide at least 40 preprogrammed messages available for use at any time. Provide for quick and easy change of the displayed message; editing of the message; and additions of new messages.
- 3) Provide a controller consisting of:
  - a) Keyboard or keypad.
  - b) Readout that mimics the actual sign display. (When LCD or LCD type readout is used, include backlighting and heating or otherwise arrange for viewing in cold temperatures.)
  - c) Non-volatile memory or suitable memory with battery backup for storing pre-programmed messages.
  - d) Logic circuitry to control the sequence of messages and flash rate.
- 4) Provide a serial interface that is capable of supporting complete remote control ability through land line and cellular telephone operation. Include communication software capable of immediately updating the message, providing complete sign status, and allowing message library queries and updates.
- 5) Allow a single person easily to raise the sign to a satisfactory height above the pavement during use, and lower the sign during travel.
- 6) Be Highway Orange on all exterior surfaces of the trailer, supports, and controller cabinet.
- 7) Provide operation in ambient temperatures from -30 to + 120 degrees Fahrenheit during snow, rain and other inclement weather.
- 8) Provide the driver board as part of a module. All modules are interchangeable, and have plug and socket arrangements for disconnection and reconnection. Printed circuit boards associated with driver boards have a conformable coating to protect against moisture.
- 9) Provide a sign case sealed against rain, snow, dust, insects, etc. The lens is UV stabilized clear plastic (polycarbonate, acrylic, or other approved material) angled to prevent glare.
- 10) Provide a flat black UV protected coating on the sign hardware, character PCB, and appropriate lens areas.
- 11) Provide a photocell control to provide automatic dimming.

- 12) Allow an on-off flashing sequence at an adjustable rate.
- 13) Provide a sight to aim the message.
- 14) Provide a LED display color of approximately 590 nm amber.
- 15) Provide a controller that is password protected.
- 16) Provide a security device that prevents unauthorized individuals from accessing the controller.
- 17) Provide the following 3-line messages preprogrammed and available for use when the sign unit begins operation:

/KEEP/RIGHT/⇒⇒⇒/	/MIN/SPEED/**MPH/
/KEEP/LEFT/⇐⇐⇐/	/ICY/BRIDGE/AHEAD/ /ONE
/LOOSE/GRAVEL/AHEAD/	LANE/BRIDGE/AHEAD/
/RD WORK/NEXT/**MILES/	/ROUGH/ROAD/AHEAD/
/TWO WAY/TRAFFIC/AHEAD/	/MERGING/TRAFFIC/AHEAD/
/PAINT/CREW/AHEAD/	/NEXT/***/MILES/
/REDUCE/SPEED/**MPH/	/HEAVY/TRAFFIC/AHEAD/
/BRIDGE/WORK/***0 FT/	/SPEED/LIMIT/**MPH/
/MAX/SPEED/**MPH/	/BUMP/AHEAD/
/SURVEY/PARTY/AHEAD/	/TWO/WAY/TRAFFIC/

\*Insert numerals as directed by the Engineer.  
Add other messages during the project when required by the Engineer.

2.3 Power.

- 1) Design solar panels to yield 10 percent or greater additional charge than sign consumption. Provide direct wiring for operation of the sign or arrow board from an external power source to provide energy backup for 21 days without sunlight and an on-board system charger with the ability to recharge completely discharged batteries in 24 hours.

**3.0 CONSTRUCTION.** Furnish and operate the variable message signs as designated on the plans or by the Engineer. Ensure the bottom of the message panel is a minimum of 7 feet above the roadway in urban areas and 5 feet above in rural areas when operating. Use Class I, II, or III signs on roads with a speed limit less than 55 mph. Use Class I or II signs on roads with speed limits 55 mph or greater.

Maintain the sign in proper working order, including repair of any damage done by others, until completion of the project. When the sign becomes inoperative, immediately repair or replace the sign. Repetitive problems with the same unit will be cause for rejection and replacement.

Use only project related messages and messages directed by the Engineer, unnecessary messages lessen the impact of the sign. Ensure the message is displayed in either one or 2 phases with each phase having no more than 3 lines of text. When no message is needed, but it is necessary to know if the sign is operable, flash only a pixel.

When the sign is not needed, move it outside the clear zone or where the Engineer directs. Variable Message Signs are the property of the Contractor and shall be removed from the project when no longer needed. The Department will not assume ownership of these signs.

**4.0 MEASUREMENT.** The final quantity of Variable Message Sign will be the actual number of individual signs acceptably furnished and operated during

11  
the project. The Department will not measure signs replaced due to damage or rejection.

**5.0 PAYMENT.** The Department will pay for the Variable Message Signs at the unit price each. The Department will not pay for signs replaced due to damage or rejection. Payment is full compensation for furnishing all materials, labor, equipment, and service necessary to, operate, move, repair, and maintain or replace the variable message signs. 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>
02671	Portable Changeable Message Sign	Each

Effective June 15, 2012

**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>
097C012	50	October 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 28549 with Roadway Plans.

**SPECIAL NOTES  
DISTRICT NO. 10  
PERRY COUNTY  
BRIDGE REPLACEMENT  
CID 23-7001 ~ 121GR23M009  
BRIDGE NUMBER 097C029  
FEMA D23A/4663-DR**

**FD51 097 2010 C029 00.01**

CS 2010 (Maple Drive) over Montgomery Creek

***Geographic Coordinates***

Latitude 37° 12' 40.00'' (37.2111)

Longitude -83° 03' 22.00'' (-83.0561)

**Description**

Single Steel Span Existing

60'-6'' PPC Box Beam Span Proposed

**SPECIAL NOTES FOR BRIDGE REPLACEMENT  
097C029**

SPECIAL NOTE FOR BRIDGE DECK WATERPROOFING MEMBRANE AND  
ASPHALT OVERLAY ON BRIDGES

SPECIAL NOTE FOR CONCRETE SEALING

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES

SPECIAL NOTE FOR BRIDGE PLANS

## **SPECIAL NOTE FOR BRIDGE DECK WATERPROOFING MEMBRANE AND ASPHALT OVERLAY ON BRIDGES**

### **I. DESCRIPTION**

Perform all work in accordance with the Department's 2019 Standard Specifications, applicable Special Provisions, and Standard Drawings, except as hereafter specified. Article references are to the Standard Specifications. Furnish all materials, labor, equipment, tools, and incidentals necessary to complete the One Step Bridge Deck Waterproofing Membrane.

### **II. MATERIALS**

- A. Bridge Deck Waterproofing Membrane.** See Section 808.05.
- B. Surface Primer.** Use surface primer material recommended by the manufacturer.
- C. Asphalt Overlay.** Pave the bridge with the same type and thickness of asphalt that is being placed on the adjacent roadway.

### **III. CONSTRUCTION METHODS**

- A. Surface Preparation.** Thoroughly clean the entire surface area of the bridge deck prior to paving. Clean by either air blasting or water blasting. If water blasting is used, thoroughly dry area prior to placing the primer and membrane.
- B. Prime Coating.** Apply material to the bridge deck according to the Manufacturer's recommendations.
- C. One Step Membrane.** Apply the membrane to the entire surface of the bridge deck. Overlap the membrane a minimum of 1 foot onto the adjacent roadway approaches. Extend the membrane up the face of the curbs a minimum of 1½ inches. Overlap membrane as necessary to achieve 100% coverage of the bridge deck. Install as recommended by the manufacturer, straight and wrinkle free, with no curled or uplifted edges.
- E. Pave Bridge with Asphalt Surface.** Pave the bridge with asphalt overlay immediately after the one step membrane is in place.

### **IV. METHOD OF MEASUREMENT**

- A. One Step Membrane.** The Department will measure this item in square yards. The one step membrane area (A) will be calculated from the (L) length of the bridge plus 1 foot on each approach multiplied by the (W) width of the bridge curb to curb.  $A = ((L + 2) \times W) / 9$ . This calculated area will be the area measured for payment; laps, cutoffs and waste will not be measured for payment.



**V. METHOD OF PAYMENT**

**A. One Step Membrane.** Payment at the contract unit price per square yard shall be full compensation for all labor, equipment, materials and incidentals for surface preparation and furnishing and installing the surface primer and the one step membrane according to the Manufacturer's recommendations and these notes.

06/08/2011

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 <sup>2</sup> /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>
<b>097C029</b>	<b>28</b>	<b>October 1, 2023</b>

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 \$5000.00 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 28624 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 16, 2022

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

---

### Project and Structure Identification

Project Number: Breathitt 10-0209

Structure ID: 013C00086N

Structure Location: Swift Branch (CR 1006) over South Fork Quicksand Creek

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

Inspection Date: September 15<sup>th</sup>, 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

Expiration Date: 03-15-2023

Name - Training Manager

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: Owsley 095C001

Structure ID: 095C001

Structure Location: Joe Dunn Lane (CR 1116) over Left Fork Buffalo 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.

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Certification Number: ETC-AIR-031522-00137

**O'Dail Lawson**

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Conducted at: 1220 KY Mills Drive, Louisville, KY

Name – Training Manager

Expiration Date: 03-15-2023

Name - Instructor



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Andy Beshear  
GOVERNOR

Jim Gray  
SECRETARY

## Asbestos Inspection Report

To: Tom Mathews

District: Central Office

Date: September 26, 2022

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

---

### Project and Structure Identification

Project Number: Perry 10-0222

Structure ID: 097C007

Structure Location: Twin Oaks Lane (CR 1483) over Lotts Creek

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

Inspection Date: September 21, 2022

### Results and Recommendations

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

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

(502) 495-1212

Fax: (502) 491-7111

Analysis N#	# 3209263	Address:	Perry 10-0222 097C007
Client Name:	KYTC		
Sampled By:	O'Dail Lawson		

[illegible]

Date Analyzed : 26-Sep-22

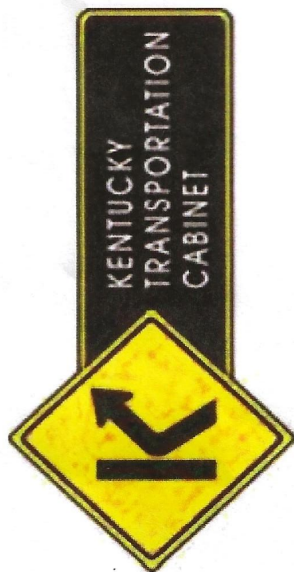
---

Analyst : Winterford Mensah

Reviewed By: Wintgers Menzies  
Signature

AJHA #1 02459





# Chain of Custody Record

# Kentucky Transportation Cabinet

200 Mero Street, 5th Floor West

Frankfort, Kentucky 40622

(502) 564-7250 fax (502) 564-5655

[illegible]

**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

Expiration Date: 03-15-2023

Name - Training Manager

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 26, 2022

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

---

### Project and Structure Identification

Project Number: Perry 10-0224

Structure ID: 097C012

Structure Location: Creekside Bend (CR 1797) over Grapevine Creek

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

Inspection Date: September 21, 2022

### Results and Recommendations

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

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

(502) 495-1212

Fax: (502) 491-7111

Analysis N#	# 3209264	Address:	Perry 10-0224 097C012
Client Name:	KYTC		
Sampled By:	O'Dail Lawson		

[illegible]

Date Analyzed : 26-Sep-22  
Analyst : Winterford Mensah

Reviewed By: Wintgers Menzies  
Signature

AJHA #1 02459





# Chain of Custody Record

# Kentucky Transportation Cabinet

200 Mero Street, 5th Floor West

Frankfort, Kentucky 40622

(502) 564-7250 fax (502) 564-5655

O'Dail Lawson o'dail.lawson@ky.gov

W4-06-06

Address: 200 Mero Street

Frankfort KY

502-782-5020 Fax: 502-564-5655

N/A = Not Applicable

Project ID

Perry 16-0224

**Client Information**      **KY TRANSPORTATION CABINET**

Results Code:

Creekline Bens over Gasper's Creek.

**Samplers (signature):**

Davidson

[illegible]

Relinquished By:

Date/Time:

Received By:

Date/Time:

Relinquished By:

Date/Time:

Received at Lab By:

Date/Time:

KYTC COC

Page 1

**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

Expiration Date: 03-15-2023

Name - Training Manager

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: October 10, 2022

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

---

### Project and Structure Identification

Project Number: Perry 097C029

Structure ID: 097C029

Structure Location: Maple Drive Bridge over Montgomery Creek

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

Inspection Date: October 10, 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


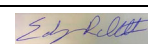

Name - Instructor



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

TC 62-226  
Rev. 01/2016  
Page 1 of 1

RIGHT OF WAY CERTIFICATION

<input checked="" type="checkbox"/>	<b>Original</b>	<input type="checkbox"/>	<b>Re-Certification</b>	<b>RIGHT OF WAY CERTIFICATION</b>	
<b>ITEM #</b>		<b>COUNTY</b>	<b>PROJECT # (STATE)</b>		<b>PROJECT # (FEDERAL)</b>
10-209.OTH		Breathitt			FEMA No. 4663-DR
<b>PROJECT DESCRIPTION</b>					
Emergency Bridge Replacement - Swift Branch Road (CR 1006) Over South Fork Quicksand Creek					
<input checked="" type="checkbox"/>	<b>No Additional Right of Way Required</b>				
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"/>	<b>Condition # 1 (Additional Right of Way Required and Cleared)</b>				
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"/>	<b>Condition # 2 (Additional Right of Way Required with Exception)</b>				
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"/>	<b>Condition # 3 (Additional Right of Way Required with Exception)</b>				
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	<b>EXCEPTION (S) Parcel #</b>	<b>ANTICIPATED DATE OF POSSESSION WITH EXPLANATION</b>	
<b>Number of Parcels That Have Been Acquired</b>					
Signed Deed		0			
Condemnation		0			
Signed ROE		0			
<b>Notes/ Comments (Text is limited. Use additional sheet if necessary.)</b>					
<b>LPA RW Project Manager</b>			<b>Right of Way Supervisor</b>		
Printed Name	Mark C. Askin, P.E.		Printed Name	Edgar Raleigh II	
Signature			Signature	 2022.12.19 11:26:54 -05'00'	
Date	2022.12.15 13:45:00 -05'00'		Date	12/19/2022	
<b>Right of Way Director</b>			<b>FHWA</b>		
Printed Name	2022.12.19		Printed Name	No Signature Required as per FHWA-KYTC Current Stewardship Agreement	
Signature			Signature		
Date	14:06:23 -05'00'		Date		



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

TC 62-226  
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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)
10-0306.OTH		OWSLEY			FEMA No. 4663 - DR
PROJECT DESCRIPTION					
BRIDGE REPLACEMENT: JOE DUNN LANE (CR 1116) OVER LEFT FORK BUFFALO CREEK. BRIDGE ID# 095C001					
<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					
Signed Deed					
Condemnation					
Signed ROE					
Notes/ Comments (Text is limited. Use additional sheet if necessary.)					
A "Consent & Release" was obtained from the adjoining property owners to allow construction of this project.					
LPA RW Project Manager			Right of Way Supervisor		
Printed Name	Derrick Young		Printed Name	Edgar Raleigh II	
Signature			Signature	2022.11.15 14:01:14 -05'00'	
Date	11/8/2022		Date	11/15/22	
Right of Way Director			FHWA		
Printed Name	2022.11.16		Printed Name		
Signature	10:09:57		Signature	No Signature Required as per FHWA-KYTC Current Stewardship Agreement	
Date	-05'00'		Date		





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

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Rev. 01/2016  
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RIGHT OF WAY CERTIFICATION

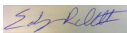

<input checked="" type="checkbox"/>	Original	<input type="checkbox"/>	Re-Certification	RIGHT OF WAY CERTIFICATION	
ITEM #		COUNTY		PROJECT # (STATE)	PROJECT # (FEDERAL)
10-0222.OTH		PERRY			FEMA No. 4663 - DR
PROJECT DESCRIPTION					
BRIDGE REPLACEMENT: TWIN OAKS LANE (CR 1483) OVER LEFT LOTTS CREEK. BRIDGE ID# 097C007					
<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					
Signed Deed					
Condemnation					
Signed ROE					
Notes/ Comments (Text is limited. Use additional sheet if necessary.)					
A "Consent & Release" was obtained from the adjoining property owner to allow construction of this project.					
LPA RW Project Manager			Right of Way Supervisor		
Printed Name	Derrick Young		Printed Name	Edgar Raleigh II	
Signature			Signature	2022.11.21 15:00:03 -05'00'	
Date	11/17/2022		Date	11/21/2022	
Right of Way Director			FHWA		
Printed Name	2022.11.22		Printed Name	No Signature Required	
Signature			Signature	as per FHWA-KYTC	
Date	07:55:50 -05'00'		Date	Current Stewardship Agreement	



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)
10-0224.OTH		Perry		NA	FEMA No. 4663-DR, Dept Object Code:D23A
PROJECT DESCRIPTION					
Emergency Bridge Replacement. Creekside Bend (CR 1797) over Grapevine Creek. Bridge ID# 097C012					
<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					
Signed Deed					
Condemnation					
Signed ROE					
Notes/ Comments (Text is limited. Use additional sheet if necessary.)					
A "Consent and Release" was obtained from the adjoining property owners to allow construction of this project.					
LPA RW Project Manager			Right of Way Supervisor		
Printed Name	Jim Wray, Consultant RW Manger		Printed Name	Edgar Raleigh II	
Signature	Jim Wray <small>Digitally signed by Jim Wray Date: 2022.10.19 17:53:07 -04'00'</small>		Signature	 2022.10.24 12:34:20 -04'00'	
Date	sign and date here		Date	10/24/2022	
Right of Way Director			FHWA		
Printed Name	2022.10.28		Printed Name		
Signature	 08:57:37		Signature	No Signature Required as per FHWA-KYTC Current Stewardship Agreement	
Date	-04'00'		Date		





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

TC 62-226  
Rev. 01/2016  
Page 1 of 1

**RIGHT OF WAY CERTIFICATION**

<input checked="" type="checkbox"/> <b>Original</b>	<input type="checkbox"/> <b>Re-Certification</b>	<b>RIGHT OF WAY CERTIFICATION</b>	
<b>ITEM #</b>	<b>COUNTY</b>	<b>PROJECT # (STATE)</b>	<b>PROJECT # (FEDERAL)</b>
10-228.OTH	Perry		FEMA No. 4663-DR
<b>PROJECT DESCRIPTION</b>			
Replacement bridge on CS 2010 (Maple Drive) over Montgomery Creek in Perry County			
<input checked="" type="checkbox"/> <b>No Additional Right of Way Required</b>			
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"/> <b>Condition # 1 (Additional Right of Way Required and Cleared)</b>			
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"/> <b>Condition # 2 (Additional Right of Way Required with Exception)</b>			
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"/> <b>Condition # 3 (Additional Right of Way Required with Exception)</b>			
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		<b>EXCEPTION (S) Parcel #</b>	<b>ANTICIPATED DATE OF POSSESSION WITH EXPLANATION</b>
<b>Number of Parcels That Have Been Acquired</b>			
Signed Deed			
Condemnation			
Signed ROE			
<b>Notes/ Comments (Text is limited. Use additional sheet if necessary.)</b>			
Everything will be done within the existing ROW and no impacts to existing utilities.			
<b>LPA RW Project Manager</b>		<b>Right of Way Supervisor</b>	
Printed Name		Printed Name	Edgar Raleigh II
Signature		Signature	
Date		Date	11/21/22
<b>Right of Way Director</b>		<b>FHWA</b>	
Printed Name		Printed Name	
Signature		Signature	
Date		Date	

## UTILITIES AND RAIL CERTIFICATION NOTE

**Breathitt County**  
**Swift Branch (CR 1006) Over South Fork Quicksand; NBI 013C00086N**  
**ITEM NUMBER: 10-0209.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

## UTILITIES AND RAIL CERTIFICATION NOTE

**Breathitt County**  
**Swift Branch (CR 1006) Over South Fork Quicksand; NBI 013C00086N**  
**ITEM NUMBER: 10-0209.OTH**

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 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**

Breathitt Co. Water District line is located downstream of the existing bridge.

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

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Breathitt County</p> <p>Swift Branch (CR 1006) Over South Fork Quicksand; NBI 013C00086N</p> <p>ITEM NUMBER: 10-0209.OTH</p>
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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><b>Breathitt County</b></p> <p><b>Swift Branch (CR 1006) Over South Fork Quicksand; NBI 013C00086N</b></p> <p><b>ITEM NUMBER: 10-0209.OTH</b></p>
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UTILITIES AND RAIL CERTIFICATION NOTE

<p>Breathitt County</p> <p>Swift Branch (CR 1006) Over South Fork Quicksand; NBI 013C00086N</p> <p>ITEM NUMBER: 10-0209.OTH</p>
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AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
Breathitt Co. Water District	1137 Main Street, Suite 305, Jackson, KY 41339	Estill McIntosh	(606) 568 5188	breathittwater@yahoo.com

## UTILITIES AND RAIL CERTIFICATION NOTE

**Owsley County**

**FE02 095 C001**

**D23A/4663-DR**

**Replace Bridge 095C001 on Joe Dunn Lane (CR 1116) over Left Fork Buffalo Creek**

**ITEM NUMBER: 10-0306.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

Owsley County

FE02 095 C001

D23A/4663-DR

Replace Bridge 095C001 on Joe Dunn Lane (CR 1116) over Left Fork Buffalo Creek

ITEM NUMBER: 10-0306.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**

Jackson Energy Cooperative – Electric – Have electric lines on the opposite side of the Left Fork Buffalo Creek Road, adjacent to the project area. Should oversized material deliveries or a detour be used on Left Fork Buffalo Creek Road, the contractor is required to always keep a 10' clearance from overhead power lines. Contractor can discuss with Jackson Energy Cooperative concerning shielding the power lines during construction. Any cost related to this work is the financial responsibility of the contractor. Additionally, any damage to the lines will be at the expense of the contractor.

Boonville Water and Sewer – Water – Water main facilities are located on the opposite side of Left Fork Buffalo Road from the construction area. Should any detours or widening occur on this artery, the Contractor should set up a meeting with the Boonville Water and Sewer one week prior to beginning work which should include the KYTC inspector. In the event one of these lines is exposed/damaged the contractor shall call the Boonville Water and Sewer immediately. The contractor will be responsible for any damage to the lines if appropriately marked.

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



UTILITIES AND RAIL CERTIFICATION NOTE

<p>Owsley County FE02 095 C001  D23A/4663-DR Replace Bridge 095C001 on Joe Dunn Lane (CR 1116) over Left Fork Buffalo Creek ITEM NUMBER: 10-0306.OTH</p>
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THE FOLLOWING FACILITY OWNERS ARE RELOCATING/ADJUSTING THEIR FACILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

People’s Rural Telephone Cooperative – Telephone – PRTC has facilities within the project limits that will be relocated prior to construction. The contractor should use caution when working near the lines. Any damage to the lines will be at the expense of the contractor.

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

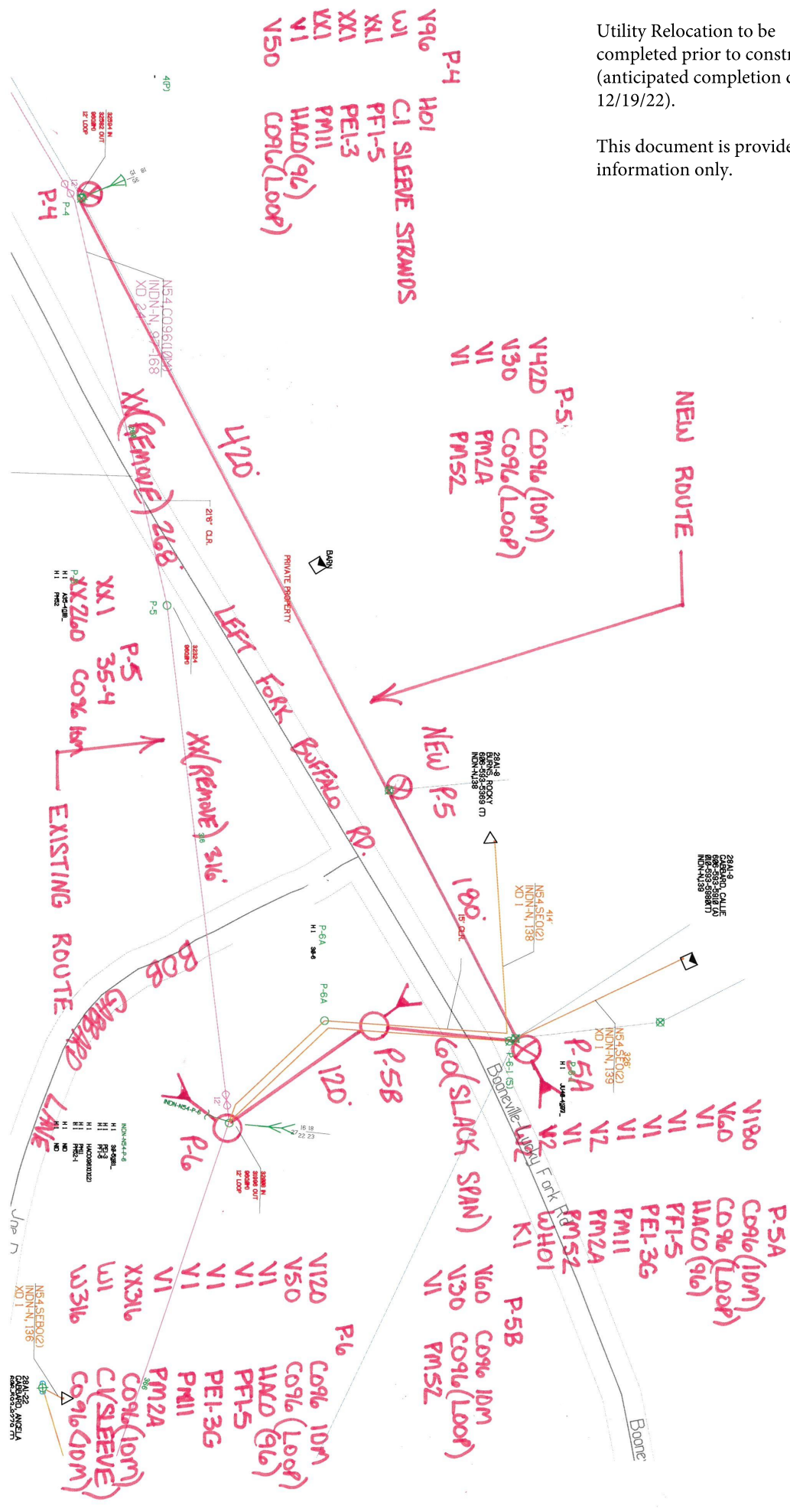
## UTILITIES AND RAIL CERTIFICATION NOTE

<p align="center"><b>Owsley County</b> <b>FE02 095 C001</b></p> <p align="center"><b>D23A/4663-DR</b></p> <p align="center"><b>Replace Bridge 095C001 on Joe Dunn Lane (CR 1116) over Left Fork Buffalo Creek</b></p> <p align="center"><b>ITEM NUMBER: 10-0306.OTH</b></p>
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### AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
City of Booneville Water and Sewer - Sewer	PO Box 1, Booneville, KY 41314	Nelson Bobrowski	606-593- 6800	<a href="mailto:cityboon@prtcnet.org">cityboon@prtcnet.org</a>
City of Booneville Water and Sewer- Water	PO Box 1, Booneville, KY 41314	Nelson Bobrowski	606-593- 6800	<a href="mailto:cityboon@prtcnet.org">cityboon@prtcnet.org</a>
Jackson Energy Cooperative	115 Jackson Energy Lane, McKee, KY 40447	Brent Bingham	606-364- 9227	<a href="mailto:brentbingham@jacksonenergy.com">brentbingham@jacksonenergy.com</a>
Jackson Energy Cooperative	115 Jackson Energy Lane, McKee, KY 40447	Jason Montgomery	606-872- 3903	<a href="mailto:jasonmontgomery@jacksonenergy.com">jasonmontgomery@jacksonenergy.com</a>
People's Rural Telephone Cooperative	1080 Main Street South, McKee, KY 40447	Robby Isaacs	606-438- 7284	<a href="mailto:Robby.Isaacs@prtc.org">Robby.Isaacs@prtc.org</a>
People's Rural Telephone Cooperative	1080 Main Street South, McKee, KY 40447	John Renner	Office: 606- 287-7101  Mobile: 606-438- 7123	<a href="mailto:John.Renner@prtc.org">John.Renner@prtc.org</a>

This document is provided for  
information only.



## UTILITIES AND RAIL CERTIFICATION NOTE

**Perry County**

**FE02 097 C007**

**D23A/4663-DR**

**Replace Bridge 097C007 Twin Oaks Lane over Lotts Creek**

**ITEM NUMBER: 10-0222.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

**Perry County**

**FE02 097 C007**

**D23A/4663-DR**

**Replace Bridge 097C007 Twin Oaks Lane over Lotts Creek**

**ITEM NUMBER: 10-0222.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 electric lines located within the project area. Contractor must contact KY Power (See contact information) one week prior to working in the area. The contractor is required to always keep a 10' clearance from overhead power lines. Contractor can discuss with KY Power AEP concerning shielding the power lines during construction. Any cost related to this work is the financial responsibility of the contractor. Additionally, any damage to the lines will be at the expense of the contractor.

Charter Communications – Telephone – Charter Communications has facilities within the project limits. The contractor is required to use caution when working near the lines. Any damage to the lines will be at the expense of the contractor.

City of Hazard – Water – Water main facilities are located outside of the immediate construction area. Contractor should request the City of Hazard mark the service lines by calling Bobby Holland (606-438-6534) prior to starting any work. In the event one of these lines is exposed/damaged the contractor shall call the City of Hazard immediately. The contractor will be responsible for any damage to the lines if appropriately marked.

UTILITIES AND RAIL CERTIFICATION NOTE

Perry County  
FE02 097 C007  
  
D23A/4663-DR  
Replace Bridge 097C007 Twin Oaks Lane over Lotts Creek  
ITEM NUMBER: 10-0222.OTH

City of Hazard – Gas – Gas facilities are located outside of the construction area. Contractor should request the City of Hazard mark any service lines by calling Tommy Melton (606-216-5693) prior to starting any work. In the event one of these lines is exposed/damaged the contractor shall call the City of Hazard immediately. The contractor will be responsible for any damage to the lines if appropriately marked.

Diversified Southern Production – Gas – Gas facilities are located outside of the construction area. Contractor should request the Diversified Southern Production mark any service lines by calling Brian Josey (606-616-0762) prior to starting any work. In the event one of these lines is exposed/damaged the contractor shall call Diversified Southern Production immediately. The contractor will be responsible for any damage to the lines if appropriately marked.

**\*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><b>Perry County</b> <b>FE02 097 C007</b></p> <p><b>D23A/4663-DR</b> <b>Replace Bridge 097C007 Twin Oaks Lane over Lotts Creek</b> <b>ITEM NUMBER: 10-0222.OTH</b></p>
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### AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
City of Hazard - Gas	700 Main Street, Hazard, KY 41701	Tommy Melton	606-216-5693	<a href="mailto:Tommy.Melton@hazardky.gov">Tommy.Melton@hazardky.gov</a>
City of Hazard - Water	700 Main Street, Hazard, KY 41701	Bobby Holland	606-438-6534	<a href="mailto:Bobby.Holland@hazardky.gov">Bobby.Holland@hazardky.gov</a>
City of Hazard - Water	700 Main Street, Hazard, KY 41701	Wiley Couch	606-216-1957	<a href="mailto:Wiley.Couch@hazardky.gov">Wiley.Couch@hazardky.gov</a>
Diversified Southern Production LLC	100 Diversified Way, Pikeville, KY 41501	Richard Duty	606-225-2558	<a href="mailto:rduty@dgoc.com">rduty@dgoc.com</a>
Kentucky Power - AEP	1400 E Main Street, Hazard, KY 41701	Ellis McKnight	Office 606-436-1329 Mobile 606-438-0423	<a href="mailto:ermcknight@aep.com">ermcknight@aep.com</a>
Time Warner Cable (Charter Communications)	5026 S Hwy 27 Somerset, KY 42501	Johnny Allen	270-832-5883	<a href="mailto:John.AllenJr@charter.com">John.AllenJr@charter.com</a>

## UTILITIES AND RAIL CERTIFICATION NOTE

**Perry County**

**FE02 097 C012**

**D23A/4663-DR**

**Replace Bridge 097C012 Creekside Bend over Grapevine Creek**

**ITEM NUMBER: 10-0224.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



## UTILITIES AND RAIL CERTIFICATION NOTE

**Perry County**

**FE02 097 C012**

**D23A/4663-DR**

**Replace Bridge 097C012 Creekside Bend over Grapevine Creek**

**ITEM NUMBER: 10-0224.OTH**

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.

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**

City of Hazard – Water – Water main facilities are located outside of the immediate construction area. One (1) water meter is located in the construction area and will not be relocated. Contractor will pave around the meter. Contractor should request the City of Hazard mark the service lines by calling Bobby Holland (606-438-6534) prior to starting any work. In the event one of these lines is exposed/damaged the contractor shall call the City of Hazard immediately. The contractor will be responsible for any damage to the lines if appropriately marked.

KY Power AEP – Electric – Have electric lines located within the project area. Contractor must contact KY Power (See contact information) one week prior to working in the area. The contractor is required to always keep a 10' clearance from overhead power lines. Contractor can discuss with KY Power AEP concerning shielding the power lines during construction. Any cost related to this work is the financial responsibility of the contractor. Additionally, any damage to the lines will be at the expense of the contractor.

UTILITIES AND RAIL CERTIFICATION NOTE

Perry County  
FE02 097 C012  
  
D23A/4663-DR  
Replace Bridge 097C012 Creekside Bend over Grapevine Creek  
  
ITEM NUMBER: 10-0224.OTH

Windstream – Telephone – Windstream has overhead facilities within the project limits. The contractor is required to use caution when working near the lines. Any damage to the lines will be at the expense of the contractor.

**\*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**

TVS Cable – Cable TV – TVS Cable has one (1) utility pole and overhead lines in the construction area. TVS Cable will relocate the utility pole. The utility pole has been moved by the TVS Cable. The contractor is required to use caution when working near the lines. Any damage to the lines will be at the expense of the contractor.

**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**

Mr./Mrs. Noble - Water – Existing water service line is in conflict with the Noble’s water service line. Contractor is responsible for the relocation of this existing water service line. The contractor must coordinate with the Nobles and City of Hazard Water for relocation of the water service line and reattachment with both the water meter on KY 28 and the household of Mr./Mrs. Noble. The utility relocation will be completed prior to other construction activity.

**RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED**

☒ No Rail Involvement    ☐ Rail Involved    ☐ Rail Adjacent

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Perry County FE02 097 C012  D23A/4663-DR Replace Bridge 097C012 Creekside Bend over Grapevine Creek  ITEM NUMBER: 10-0224.OTH</p>
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AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
City of Hazard	700 Main Street, Hazard, KY 41701	Bobby Holland	606-438-6534	<a href="mailto:Bobby.Holland@hazardky.gov">Bobby.Holland@hazardky.gov</a>
TVS Cable	60 Communication Ln Hindman, KY 41822	Terry Combs	606-785-3450	<a href="mailto:tcombs@tgtel.net">tcombs@tgtel.net</a>
Kentucky Power - AEP	1400 E Main Street, Hazard, KY 41701	Ellis McKnight	606-436-1329	<a href="mailto:ermcknight@aep.com">ermcknight@aep.com</a>
Windstream	130 W. New Circle Rd Lexington, KY 40505	Steve Johnson	859-321-2035	<a href="mailto:steve.johnson@windstream.com">steve.johnson@windstream.com</a>
Mr./Mrs. Richard Noble	23 Creekside Bend, Hazard, KY	Richard Noble	606-216-5765	Not Available

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Perry County No federal number available No state project number available Mile point: TO CS 2010 Maple Dr. Over Montgomery Creek; Non Inventory 097C029 ITEM NUMBER: 10-0228.OTH</p>
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PROJECT NOTES ON UTILITIES

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

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Perry County No federal number available No state project number available Mile point: TO CS 2010 Maple Dr. Over Montgomery Creek; Non Inventory 097C029 ITEM NUMBER: 10-0228.OTH</p>
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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

<p>Perry County No federal number available No state project number available Mile point: TO CS 2010 Maple Dr. Over Montgomery Creek; Non Inventory 097C029 ITEM NUMBER: 10-0228.OTH</p>
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Facility Owner	Address	Contact Name	Phone	Email
Placeholder to Start Project - Communication	200 Mero Street Frankfort Ky 40622	Jennifer McCleve	5027824944	jennifer.mccleve@ky.gov

MATERIAL SUMMARY

CONTRACT ID: 237001

121GR23M009 - FD51

MB01310062301

SWIFT BRANCH ROAD (CR 1006) BRIDGE 013C00086N OVER SOUTH FORK QUICKSAND AT MP 00.02 BRIDGE REPLACEMENT.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0830	00001	DGA BASE	91.00	TON
0835	00100	ASPHALT SEAL AGGREGATE	3.80	TON
0840	00103	ASPHALT SEAL COAT	1.00	TON
0845	00212	CL2 ASPH BASE 1.00D PG64-22	59.00	TON
0850	00301	CL2 ASPH SURF 0.38D PG64-22	11.00	TON
0855	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	1.00	TON
0860	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	3.00	EACH
0865	02014	BARRICADE-TYPE III	2.00	EACH
0870	02223	GRANULAR EMBANKMENT	20.00	CUYD
0875	02230	EMBANKMENT IN PLACE	145.00	CUYD
0880	02242	WATER	20.00	MGAL
0885	02351	GUARDRAIL-STEEL W BEAM-S FACE	18.80	LF
0890	02360	GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH
0895	02545	CLEARING AND GRUBBING - 0.05 ACRE (C013086N)	1.00	LS
0900	02650	MAINTAIN & CONTROL TRAFFIC - (C013086N)	1.00	LS
0905	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0910	02726	STAKING - (C013086N)	1.00	LS
0915	02731	REMOVE STRUCTURE - (C013086N)	1.00	LS
0920	20550ND	SAWCUT PAVEMENT	49.80	LF
0925	21415ND	EROSION CONTROL - (C013086N)	1.00	LS
0930	03299	ARMORED EDGE FOR CONCRETE	24.00	LF
0935	08003	FOUNDATION PREPARATION - (C013086N)	1.00	LS
0940	08019	CYCLOPEAN STONE RIP RAP	476.00	TON
0945	08033	TEST PILES	67.00	LF
0950	08039	PRE-DRILLING FOR PILES	238.00	LF
0955	08046	PILES-STEEL HP12X53	102.00	LF
0960	08052	PILES-STEEL HP14X117	153.00	LF
0965	08100	CONCRETE-CLASS A	86.30	CUYD
0970	08104	CONCRETE-CLASS AA	22.30	CUYD
0975	08151	STEEL REINFORCEMENT-EPOXY COATED	8,637.00	LB
0980	08666	PRECAST PC BOX BEAM CB42-48	288.00	LF
0985	23378EC	CONCRETE SEALING	3,239.00	SQFT
0990	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 237001

121GR23M009 - FD51

MB09511162301

JOE DUNN LANE (CR 1116) BRIDGE 095C001 OVER LEFT FORK BUFFALO CREEK AT MP 00.01 BRIDGE REPLACEMENT.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0625	00001	DGA BASE	260.00	TON
0630	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	10.00	EACH
0635	02159	TEMP DITCH	27.00	LF
0640	02160	CLEAN TEMP DITCH	14.00	LF
0645	02200	ROADWAY EXCAVATION	26.00	CUYD
0650	02242	WATER	10.00	MGAL
0655	02355	GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF
0660	02360	GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH
0665	02545	CLEARING AND GRUBBING - (2/3 ACRES - 095C001)	1.00	LS
0670	02565	OBJECT MARKER TYPE 2	4.00	EACH
0675	02650	MAINTAIN & CONTROL TRAFFIC - (095C001)	1.00	LS
0680	02651	DIVERSIONS (BY-PASS DETOURS) - (095C001)	1.00	LS
0685	02701	TEMP SILT FENCE	27.00	LF
0690	02703	SILT TRAP TYPE A	1.00	EACH
0695	02704	SILT TRAP TYPE B	1.00	EACH
0700	02706	CLEAN SILT TRAP TYPE A	1.00	EACH
0705	02707	CLEAN SILT TRAP TYPE B	1.00	EACH
0710	02726	STAKING - (095C001)	1.00	LS
0715	02731	REMOVE STRUCTURE - (095C001)	1.00	LS
0720	05950	EROSION CONTROL BLANKET	164.00	SQYD
0725	05952	TEMP MULCH	2,195.00	SQYD
0730	05953	TEMP SEEDING AND PROTECTION	1,638.00	SQYD
0735	05963	INITIAL FERTILIZER	.10	TON
0740	05964	MAINTENANCE FERTILIZER	.20	TON
0745	05985	SEEDING AND PROTECTION	3,177.00	SQYD
0750	05992	AGRICULTURAL LIMESTONE	2.10	TON
0755	24631EC	BARCODE SIGN INVENTORY	4.00	EACH
0760	02231	STRUCTURE GRANULAR BACKFILL	118.00	CUYD
0765	03299	ARMORED EDGE FOR CONCRETE	24.00	LF
0770	08003	FOUNDATION PREPARATION - (095C001)	1.00	LS
0775	08019	CYCLOPEAN STONE RIP RAP	413.00	TON
0780	08033	TEST PILES	34.00	LF
0785	08039	PRE-DRILLING FOR PILES	80.00	LF
0790	08046	PILES-STEEL HP12X53	72.00	LF
0795	08100	CONCRETE-CLASS A	29.00	CUYD
0800	08104	CONCRETE-CLASS AA	22.10	CUYD
0805	08151	STEEL REINFORCEMENT-EPOXY COATED	5,174.00	LB
0810	08665	PRECAST PC BOX BEAM CB33-48	274.50	LF
0815	23378EC	CONCRETE SEALING	2,214.00	SQFT
0820	25017ED	RAIL SYSTEM SIDE MOUNTED MGS	188.00	LF
0825	02569	DEMOBILIZATION	1.00	LS



MATERIAL SUMMARY

CONTRACT ID: 237001

121GR23M009 - FD51

MB09714832301

TWIN OAKS LANE (CR 1483) BRIDGE 097C007 OVER LOTTS CREEK AT MP 00.01 BRIDGE REPLACEMENT.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	207.00	TON
0010	00100	ASPHALT SEAL AGGREGATE	2.00	TON
0015	00103	ASPHALT SEAL COAT	.20	TON
0020	00212	CL2 ASPH BASE 1.00D PG64-22	15.00	TON
0025	00296	ASPHALT PRIME COAT	.04	TON
0030	00301	CL2 ASPH SURF 0.38D PG64-22	6.00	TON
0035	00356	ASPHALT MATERIAL FOR TACK	.04	TON
0040	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	6.00	EACH
0045	02159	TEMP DITCH	22.00	LF
0050	02160	CLEAN TEMP DITCH	11.00	LF
0055	02200	ROADWAY EXCAVATION	30.00	CUYD
0060	02242	WATER	8.00	MGAL
0065	02360	GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH
0070	02545	CLEARING AND GRUBBING - -	1.00	LS
0075	02565	OBJECT MARKER TYPE 2	4.00	EACH
0080	02585	EDGE KEY	47.00	LF
0085	02650	MAINTAIN & CONTROL TRAFFIC - (097C007)	1.00	LS
0090	02651	DIVERSIONS (BY-PASS DETOURS) - (097C007)	1.00	LS
0095	02701	TEMP SILT FENCE	22.00	LF
0100	02703	SILT TRAP TYPE A	1.00	EACH
0105	02704	SILT TRAP TYPE B	1.00	EACH
0110	02706	CLEAN SILT TRAP TYPE A	1.00	EACH
0115	02707	CLEAN SILT TRAP TYPE B	1.00	EACH
0120	02726	STAKING - (097C007)	1.00	LS
0125	02731	REMOVE STRUCTURE - (097C007)	1.00	LS
0130	05950	EROSION CONTROL BLANKET	108.00	SQYD
0135	05952	TEMP MULCH	1,453.00	SQYD
0140	05953	TEMP SEEDING AND PROTECTION	1,084.00	SQYD
0145	05963	INITIAL FERTILIZER	.07	TON
0150	05964	MAINTENANCE FERTILIZER	.11	TON
0155	05985	SEEDING AND PROTECTION	2,060.00	SQYD
0160	05992	AGRICULTURAL LIMESTONE	1.34	TON
0165	24631EC	BARCODE SIGN INVENTORY	4.00	EACH
0170	02231	STRUCTURE GRANULAR BACKFILL	157.00	CUYD
0175	03299	ARMORED EDGE FOR CONCRETE	28.00	LF
0180	08002	STRUCTURE EXCAV-SOLID ROCK	54.00	CUYD
0185	08003	FOUNDATION PREPARATION - (097C007)	1.00	LS
0190	08019	CYCLOPEAN STONE RIP RAP	97.00	TON
0195	08100	CONCRETE-CLASS A	116.30	CUYD
0200	08104	CONCRETE-CLASS AA	29.20	CUYD
0205	08150	STEEL REINFORCEMENT	9,290.00	LB
0210	08151	STEEL REINFORCEMENT-EPOXY COATED	7,378.00	LB
0215	23378EC	CONCRETE SEALING	1,507.00	SQFT
0220	24896ED	RAIL SYSTEM TYPE T631	68.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0225	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 237001

121GR23M009 - FD51

MB09717972301

CREEKSIDE BEND (CR 1797) BRIDGE 096C012 OVER GRAPEVINE CREEK AT MP 00.01 BRIDGE REPLACEMENT.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0230	00001	DGA BASE	48.00	TON
0235	00078	CRUSHED AGGREGATE SIZE NO 2	126.00	TON
0240	00212	CL2 ASPH BASE 1.00D PG64-22	35.00	TON
0245	00301	CL2 ASPH SURF 0.38D PG64-22	84.00	TON
0250	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	.50	TON
0255	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	6.00	EACH
0260	02014	BARRICADE-TYPE III	4.00	EACH
0265	02242	WATER	100.00	MGAL
0270	02351	GUARDRAIL-STEEL W BEAM-S FACE	37.50	LF
0275	02355	GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF
0280	02360	GUARDRAIL TERMINAL SECTION NO 1	6.00	EACH
0285	02545	CLEARING AND GRUBBING - APPROX. 0.14 AC	1.00	LS
0290	02562	TEMPORARY SIGNS	250.00	SQFT
0295	02585	EDGE KEY	10.00	LF
0300	02603	FABRIC-GEOTEXTILE CLASS 2	250.00	SQYD
0305	02650	MAINTAIN & CONTROL TRAFFIC - (097C012)	1.00	LS
0310	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0315	02676	MOBILIZATION FOR MILL & TEXT - (097C012)	1.00	LS
0320	02677	ASPHALT PAVE MILLING & TEXTURING	14.00	TON
0325	02696	SHOULDER RUMBLE STRIPS	600.00	LF
0330	02701	TEMP SILT FENCE	250.00	LF
0335	02703	SILT TRAP TYPE A	3.00	EACH
0340	02704	SILT TRAP TYPE B	3.00	EACH
0345	02706	CLEAN SILT TRAP TYPE A	3.00	EACH
0350	02707	CLEAN SILT TRAP TYPE B	3.00	EACH
0355	02726	STAKING - (097C012)	1.00	LS
0360	02731	REMOVE STRUCTURE - 35' X 16' ROLLED STEEL BEAM BRIDGE AND NORTHEAST ABUTMENT(097C012)	1.00	LS
0365	05952	TEMP MULCH	500.00	SQYD
0370	05953	TEMP SEEDING AND PROTECTION	500.00	SQYD
0375	05963	INITIAL FERTILIZER	.10	TON
0380	05964	MAINTENANCE FERTILIZER	.10	TON
0385	05985	SEEDING AND PROTECTION	500.00	SQYD
0390	05992	AGRICULTURAL LIMESTONE	1.00	TON
0395	06515	PAVE STRIPING-PERM PAINT-6 IN	1,200.00	LF
0400	02231	STRUCTURE GRANULAR BACKFILL	305.60	CUYD
0405	03299	ARMORED EDGE FOR CONCRETE	32.00	LF
0410	08003	FOUNDATION PREPARATION - (097C012)	1.00	LS
0415	08019	CYCLOPEAN STONE RIP RAP	115.00	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0420	08033	TEST PILES	47.00	LF
0425	08039	PRE-DRILLING FOR PILES	110.00	LF
0430	08051	PILES-STEEL HP14X89	391.00	LF
0435	08100	CONCRETE-CLASS A	176.40	CUYD
0440	08104	CONCRETE-CLASS AA	20.00	CUYD
0445	08150	STEEL REINFORCEMENT	5,563.00	LB
0450	08151	STEEL REINFORCEMENT-EPOXY COATED	5,332.00	LB
0455	08651	PRECAST PC BOX BEAM B12-48	128.00	LF
0460	23378EC	CONCRETE SEALING	533.40	SQFT
0465	23539EC	BRIDGE RAIL	64.00	LF
0470	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 237001

121GR23M009 - FD51

MB09720102301

MAPLE DRIVE (CS 2010) BRIDGE 097C029 OVER MONTGOMERY CREEK AT MP 00.01 BRIDGE REPLACEMENT.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0475	03250	WATERPROOFING MEMBRANE	86.00	SQYD
0480	03304	BRIDGE OVERLAY APPROACH PAVEMENT	140.00	SQYD
0485	02014	BARRICADE-TYPE III	2.00	EACH
0490	02159	TEMP DITCH	50.00	LF
0495	02360	GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH
0500	02575	DITCHING AND SHOULDERING	100.00	LF
0505	02585	EDGE KEY	48.00	LF
0510	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0515	02701	TEMP SILT FENCE	50.00	LF
0520	02703	SILT TRAP TYPE A	1.00	EACH
0525	02704	SILT TRAP TYPE B	1.00	EACH
0530	02705	SILT TRAP TYPE C	1.00	EACH
0535	02706	CLEAN SILT TRAP TYPE A	1.00	EACH
0540	02707	CLEAN SILT TRAP TYPE B	1.00	EACH
0545	02708	CLEAN SILT TRAP TYPE C	1.00	EACH
0550	02726	STAKING	1.00	LS
0555	05952	TEMP MULCH	75.00	SQYD
0560	05953	TEMP SEEDING AND PROTECTION	56.00	SQYD
0565	05964	MAINTENANCE FERTILIZER	.10	TON
0570	05985	SEEDING AND PROTECTION	112.00	SQYD
0575	02231	STRUCTURE GRANULAR BACKFILL	33.20	CUYD
0580	08003	FOUNDATION PREPARATION	1.00	LS
0585	08019	CYCLOPEAN STONE RIP RAP	92.00	TON
0590	08301	REMOVE SUPERSTRUCTURE	1.00	LS
0595	08653	PRECAST PC BOX BEAM B21-48	186.00	LF
0600	08801	GUARDRAIL-STEEL W BEAM-S FACE BR	114.00	LF
0605	23378EC	CONCRETE SEALING	136.00	SQFT
0610	24414EC	PRECAST END BENT	2.00	EACH
0615	26183EC	MICROPILES-7 IN	184.00	LF
0620	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](mailto: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 1½ 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 - C000007

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	207.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	2.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	.20	TON		\$	
0040	00212		CL2 ASPH BASE 1.00D PG64-22	15.00	TON		\$	
0050	00296		ASPHALT PRIME COAT	.04	TON		\$	
0060	00301		CL2 ASPH SURF 0.38D PG64-22	6.00	TON		\$	
0070	00356		ASPHALT MATERIAL FOR TACK	.04	TON		\$	

Section: 0002 - PAVING - C00086N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0080	00001		DGA BASE	91.00	TON		\$	
0090	00100		ASPHALT SEAL AGGREGATE	3.80	TON		\$	
0100	00103		ASPHALT SEAL COAT	1.00	TON		\$	
0110	00212		CL2 ASPH BASE 1.00D PG64-22	59.00	TON		\$	
0120	00301		CL2 ASPH SURF 0.38D PG64-22	11.00	TON		\$	
0130	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	1.00	TON		\$	

Section: 0003 - PAVING - C000012

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0140	00001		DGA BASE	48.00	TON		\$	
0150	00078		CRUSHED AGGREGATE SIZE NO 2	126.00	TON		\$	
0160	00212		CL2 ASPH BASE 1.00D PG64-22	35.00	TON		\$	
0170	00301		CL2 ASPH SURF 0.38D PG64-22	84.00	TON		\$	
0180	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	.50	TON		\$	

Section: 0004 - PAVING - C000029

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0190	03250		WATERPROOFING MEMBRANE	86.00	SQYD		\$	
0200	03304		BRIDGE OVERLAY APPROACH PAVEMENT	140.00	SQYD		\$	

Section: 0005 - ROADWAY - C000007

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0210	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	6.00	EACH		\$	
0220	02159		TEMP DITCH	22.00	LF		\$	
0230	02160		CLEAN TEMP DITCH	11.00	LF		\$	
0240	02200		ROADWAY EXCAVATION	30.00	CUYD		\$	

Report Date 1/4/23

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0250	02242		WATER	8.00	MGAL		\$	
0260	02360		GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH		\$	
0270	02545		CLEARING AND GRUBBING					
			-	1.00	LS		\$	
0280	02565		OBJECT MARKER TYPE 2	4.00	EACH		\$	
0290	02585		EDGE KEY	47.00	LF		\$	
0300	02650		MAINTAIN & CONTROL TRAFFIC (097C007)	1.00	LS		\$	
0310	02651		DIVERSIONS (BY-PASS DETOURS) (097C007)	1.00	LS		\$	
0320	02701		TEMP SILT FENCE	22.00	LF		\$	
0330	02703		SILT TRAP TYPE A	1.00	EACH		\$	
0340	02704		SILT TRAP TYPE B	1.00	EACH		\$	
0350	02706		CLEAN SILT TRAP TYPE A	1.00	EACH		\$	
0360	02707		CLEAN SILT TRAP TYPE B	1.00	EACH		\$	
0370	02726		STAKING (097C007)	1.00	LS		\$	
0380	02731		REMOVE STRUCTURE (097C007)	1.00	LS		\$	
0390	05950		EROSION CONTROL BLANKET	108.00	SQYD		\$	
0400	05952		TEMP MULCH	1,453.00	SQYD		\$	
0410	05953		TEMP SEEDING AND PROTECTION	1,084.00	SQYD		\$	
0420	05963		INITIAL FERTILIZER	.07	TON		\$	
0430	05964		MAINTENANCE FERTILIZER	.11	TON		\$	
0440	05985		SEEDING AND PROTECTION	2,060.00	SQYD		\$	
0450	05992		AGRICULTURAL LIMESTONE	1.34	TON		\$	
0460	24631EC		BARCODE SIGN INVENTORY	4.00	EACH		\$	

Section: 0006 - ROADWAY - C000001

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0470	00001		DGA BASE	260.00	TON		\$	
0480	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	10.00	EACH		\$	
0490	02159		TEMP DITCH	27.00	LF		\$	
0500	02160		CLEAN TEMP DITCH	14.00	LF		\$	
0510	02200		ROADWAY EXCAVATION	26.00	CUYD		\$	
0520	02242		WATER	10.00	MGAL		\$	
0530	02355		GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF		\$	
0540	02360		GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH		\$	
0550	02545		CLEARING AND GRUBBING (2/3 ACRES - 095C001)	1.00	LS		\$	
0560	02565		OBJECT MARKER TYPE 2	4.00	EACH		\$	
0570	02650		MAINTAIN & CONTROL TRAFFIC (095C001)	1.00	LS		\$	
0580	02651		DIVERSIONS (BY-PASS DETOURS) (095C001)	1.00	LS		\$	
0590	02701		TEMP SILT FENCE	27.00	LF		\$	
0600	02703		SILT TRAP TYPE A	1.00	EACH		\$	
0610	02704		SILT TRAP TYPE B	1.00	EACH		\$	
0620	02706		CLEAN SILT TRAP TYPE A	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0630	02707		CLEAN SILT TRAP TYPE B	1.00	EACH		\$	
0640	02726		STAKING (095C001)	1.00	LS		\$	
0650	02731		REMOVE STRUCTURE (095C001)	1.00	LS		\$	
0660	05950		EROSION CONTROL BLANKET	164.00	SQYD		\$	
0670	05952		TEMP MULCH	2,195.00	SQYD		\$	
0680	05953		TEMP SEEDING AND PROTECTION	1,638.00	SQYD		\$	
0690	05963		INITIAL FERTILIZER	.10	TON		\$	
0700	05964		MAINTENANCE FERTILIZER	.20	TON		\$	
0710	05985		SEEDING AND PROTECTION	3,177.00	SQYD		\$	
0720	05992		AGRICULTURAL LIMESTONE	2.10	TON		\$	
0730	24631EC		BARCODE SIGN INVENTORY	4.00	EACH		\$	

Section: 0007 - ROADWAY - C00086N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0740	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	3.00	EACH		\$	
0750	02014		BARRICADE-TYPE III	2.00	EACH		\$	
0760	02223		GRANULAR EMBANKMENT	20.00	CUYD		\$	
0770	02230		EMBANKMENT IN PLACE	145.00	CUYD		\$	
0780	02242		WATER	20.00	MGAL		\$	
0790	02351		GUARDRAIL-STEEL W BEAM-S FACE	18.80	LF		\$	
0800	02360		GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH		\$	
0810	02545		CLEARING AND GRUBBING 0.05 ACRE (C013086N)	1.00	LS		\$	
0820	02650		MAINTAIN & CONTROL TRAFFIC (C013086N)	1.00	LS		\$	
0830	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0840	02726		STAKING (C013086N)	1.00	LS		\$	
0850	02731		REMOVE STRUCTURE (C013086N)	1.00	LS		\$	
0860	20550ND		SAWCUT PAVEMENT	49.80	LF		\$	
0870	21415ND		EROSION CONTROL (C013086N)	1.00	LS		\$	

Section: 0008 - ROADWAY - C000012

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0880	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	6.00	EACH		\$	
0890	02014		BARRICADE-TYPE III	4.00	EACH		\$	
0900	02242		WATER	100.00	MGAL		\$	
0910	02351		GUARDRAIL-STEEL W BEAM-S FACE	37.50	LF		\$	
0920	02355		GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF		\$	
0930	02360		GUARDRAIL TERMINAL SECTION NO 1	6.00	EACH		\$	
0940	02545		CLEARING AND GRUBBING APPROX. 0.14 AC	1.00	LS		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0950	02562		TEMPORARY SIGNS	250.00	SQFT		\$	
0960	02585		EDGE KEY	10.00	LF		\$	
0970	02603		FABRIC-GEOTEXTILE CLASS 2	250.00	SQYD		\$	
0980	02650		MAINTAIN & CONTROL TRAFFIC (097C012)	1.00	LS		\$	
0990	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
1000	02676		MOBILIZATION FOR MILL & TEXT (097C012)	1.00	LS		\$	
1010	02677		ASPHALT PAVE MILLING & TEXTURING	14.00	TON		\$	
1020	02696		SHOULDER RUMBLE STRIPS	600.00	LF		\$	
1030	02701		TEMP SILT FENCE	250.00	LF		\$	
1040	02703		SILT TRAP TYPE A	3.00	EACH		\$	
1050	02704		SILT TRAP TYPE B	3.00	EACH		\$	
1060	02706		CLEAN SILT TRAP TYPE A	3.00	EACH		\$	
1070	02707		CLEAN SILT TRAP TYPE B	3.00	EACH		\$	
1080	02726		STAKING (097C012)	1.00	LS		\$	
1090	02731		REMOVE STRUCTURE 35' X 16' ROLLED STEEL BEAM BRIDGE AND NORTHEAST ABUTMENT(097C012)	1.00	LS		\$	
1100	05952		TEMP MULCH	500.00	SQYD		\$	
1110	05953		TEMP SEEDING AND PROTECTION	500.00	SQYD		\$	
1120	05963		INITIAL FERTILIZER	.10	TON		\$	
1130	05964		MAINTENANCE FERTILIZER	.10	TON		\$	
1140	05985		SEEDING AND PROTECTION	500.00	SQYD		\$	
1150	05992		AGRICULTURAL LIMESTONE	1.00	TON		\$	
1160	06515		PAVE STRIPING-PERM PAINT-6 IN	1,200.00	LF		\$	

Section: 0009 - ROADWAY - C000029

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1170	02014		BARRICADE-TYPE III	2.00	EACH		\$	
1180	02159		TEMP DITCH	50.00	LF		\$	
1190	02360		GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH		\$	
1200	02575		DITCHING AND SHOULDERING	100.00	LF		\$	
1210	02585		EDGE KEY	48.00	LF		\$	
1220	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
1230	02701		TEMP SILT FENCE	50.00	LF		\$	
1240	02703		SILT TRAP TYPE A	1.00	EACH		\$	
1250	02704		SILT TRAP TYPE B	1.00	EACH		\$	
1260	02705		SILT TRAP TYPE C	1.00	EACH		\$	
1270	02706		CLEAN SILT TRAP TYPE A	1.00	EACH		\$	
1280	02707		CLEAN SILT TRAP TYPE B	1.00	EACH		\$	
1290	02708		CLEAN SILT TRAP TYPE C	1.00	EACH		\$	
1300	02726		STAKING	1.00	LS		\$	
1310	05952		TEMP MULCH	75.00	SQYD		\$	
1320	05953		TEMP SEEDING AND PROTECTION	56.00	SQYD		\$	
1330	05964		MAINTENANCE FERTILIZER	.10	TON		\$	
1340	05985		SEEDING AND PROTECTION	112.00	SQYD		\$	

Section: 0010 - BRIDGE - C000001

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1350	02231		STRUCTURE GRANULAR BACKFILL	118.00	CUYD		\$	
1360	03299		ARMORED EDGE FOR CONCRETE	24.00	LF		\$	
1370	08003		FOUNDATION PREPARATION (095C001)	1.00	LS		\$	
1380	08019		CYCLOPEAN STONE RIP RAP	413.00	TON		\$	
1390	08033		TEST PILES	34.00	LF		\$	
1400	08039		PRE-DRILLING FOR PILES	80.00	LF		\$	
1410	08046		PILES-STEEL HP12X53	72.00	LF		\$	
1420	08100		CONCRETE-CLASS A	29.00	CUYD		\$	
1430	08104		CONCRETE-CLASS AA	22.10	CUYD		\$	
1440	08151		STEEL REINFORCEMENT-EPOXY COATED	5,174.00	LB		\$	
1450	08665		PRECAST PC BOX BEAM CB33-48	274.50	LF		\$	
1460	23378EC		CONCRETE SEALING	2,214.00	SQFT		\$	
1470	25017ED		RAIL SYSTEM SIDE MOUNTED MGS	188.00	LF		\$	

Section: 0011 - BRIDGE - C00086N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1480	03299		ARMORED EDGE FOR CONCRETE	24.00	LF		\$	
1490	08003		FOUNDATION PREPARATION (C013086N)	1.00	LS		\$	
1500	08019		CYCLOPEAN STONE RIP RAP	476.00	TON		\$	
1510	08033		TEST PILES	67.00	LF		\$	
1520	08039		PRE-DRILLING FOR PILES	238.00	LF		\$	
1530	08046		PILES-STEEL HP12X53	102.00	LF		\$	
1540	08052		PILES-STEEL HP14X117	153.00	LF		\$	
1550	08100		CONCRETE-CLASS A	86.30	CUYD		\$	
1560	08104		CONCRETE-CLASS AA	22.30	CUYD		\$	
1570	08151		STEEL REINFORCEMENT-EPOXY COATED	8,637.00	LB		\$	
1580	08666		PRECAST PC BOX BEAM CB42-48	288.00	LF		\$	
1590	23378EC		CONCRETE SEALING	3,239.00	SQFT		\$	

Section: 0012 - BRIDGE - C000007

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1600	02231		STRUCTURE GRANULAR BACKFILL	157.00	CUYD		\$	
1610	03299		ARMORED EDGE FOR CONCRETE	28.00	LF		\$	
1620	08002		STRUCTURE EXCAV-SOLID ROCK	54.00	CUYD		\$	
1630	08003		FOUNDATION PREPARATION (097C007)	1.00	LS		\$	
1640	08019		CYCLOPEAN STONE RIP RAP	97.00	TON		\$	
1650	08100		CONCRETE-CLASS A	116.30	CUYD		\$	
1660	08104		CONCRETE-CLASS AA	29.20	CUYD		\$	
1670	08150		STEEL REINFORCEMENT	9,290.00	LB		\$	
1680	08151		STEEL REINFORCEMENT-EPOXY COATED	7,378.00	LB		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1690	23378EC		CONCRETE SEALING	1,507.00	SQFT		\$	
1700	24896ED		RAIL SYSTEM TYPE T631	68.00	LF		\$	

Section: 0013 - BRIDGE - C000012

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1710	02231		STRUCTURE GRANULAR BACKFILL	305.60	CUYD		\$	
1720	03299		ARMORED EDGE FOR CONCRETE	32.00	LF		\$	
1730	08003		FOUNDATION PREPARATION (097C012)	1.00	LS		\$	
1740	08019		CYCLOPEAN STONE RIP RAP	115.00	TON		\$	
1750	08033		TEST PILES	47.00	LF		\$	
1760	08039		PRE-DRILLING FOR PILES	110.00	LF		\$	
1770	08051		PILES-STEEL HP14X89	391.00	LF		\$	
1780	08100		CONCRETE-CLASS A	176.40	CUYD		\$	
1790	08104		CONCRETE-CLASS AA	20.00	CUYD		\$	
1800	08150		STEEL REINFORCEMENT	5,563.00	LB		\$	
1810	08151		STEEL REINFORCEMENT-EPOXY COATED	5,332.00	LB		\$	
1820	08651		PRECAST PC BOX BEAM B12-48	128.00	LF		\$	
1830	23378EC		CONCRETE SEALING	533.40	SQFT		\$	
1840	23539EC		BRIDGE RAIL	64.00	LF		\$	

Section: 0014 - BRIDGES - C000029

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1850	02231		STRUCTURE GRANULAR BACKFILL	33.20	CUYD		\$	
1860	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1870	08019		CYCLOPEAN STONE RIP RAP	92.00	TON		\$	
1880	08301		REMOVE SUPERSTRUCTURE	1.00	LS		\$	
1890	08653		PRECAST PC BOX BEAM B21-48	186.00	LF		\$	
1900	08801		GUARDRAIL-STEEL W BEAM-S FACE BR	114.00	LF		\$	
1910	23378EC		CONCRETE SEALING	136.00	SQFT		\$	
1920	24414EC		PRECAST END BENT	2.00	EACH		\$	
1930	26183EC		MICROPILES-7 IN	184.00	LF		\$	

Section: 0015 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1940	02569		DEMOBILIZATION	1.00	LS		\$	