



**CALL NO. 307**

**CONTRACT ID. 185002**

**MUHLENBERG COUNTY**

**FED/STATE PROJECT NUMBER FD04 089 1141 C00004N**

**DESCRIPTION UNION RIDGE ROAD (CR-1141)**

**WORK TYPE BRIDGE SUBSTRUCTURE REHAB**

**PRIMARY COMPLETION DATE 3/1/2019**

**LETTING DATE: October 26,2018**

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME October 26,2018. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

**NO PLANS ASSOCIATED WITH THIS PROJECT.**

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

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**PART I**  
**SCOPE OF WORK**

## ADMINISTRATIVE DISTRICT - 02

**CONTRACT ID - 185002**

**FD04 089 1141 C00004N**

**COUNTY - MUHLENBERG**

**PCN - DE08911411802**

**FD04 089 1141 C00004N**

UNION RIDGE ROAD (CR-1141) (MP 2.415) ADDRESS DEFICIENCIES OF UNION BRIDGE OVER ROCKY CREEK  
(089C00004N) (MP 2.433), A DISTANCE OF 0.02 MILES.BRIDGE SUPERSTRUCTURE REHAB SYP NO. 02-10009.00.  
GEOGRAPHIC COORDINATES LATITUDE 37:07:57.00 LONGITUDE 86:58:38.00

**COMPLETION DATE(S):**

COMPLETED BY 03/01/2019

APPLIES TO ENTIRE CONTRACT

## **CONTRACT NOTES**

### **PROPOSAL ADDENDA**

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

### **BID SUBMITTAL**

Bidder must use the Department's electronic bidding software. The Bidder must download the bid file located on the Bid Express website ([www.bidx.com](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.

April 30, 2018

## **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



### **EXPEDITE PROJECT WORK ORDER**

The Contractor may request that the Department expedite the work order for this project to allow for maximization of time to complete the work. In order for the Department to accomplish this task, the Contractor may be required to “hand carry” all required project documentation to facilitate the process. Immediately UPON NOTIFICATION OF AWARD OF THE CONTRACT, deliver required project documentation to:

Division of Construction Procurement  
200 Mero St.  
Frankfort, KY 40602

### **ASPHALT MIXTURE**

Unless otherwise noted, the Department estimates the rate of application for all asphalt mixtures to be 110 lbs/sy per inch of depth.

### **DGA BASE**

Unless otherwise noted, the Department estimates the rate of application for DGA Base to be 115 lbs/sy per inch of depth.

### **DGA BASE FOR SHOULDERS**

Unless otherwise noted, the Department estimates the rate of application for DGA Base for Shoulders to be 115 lbs/sy per inch of depth. The Department will not measure necessary grading and/or shaping of existing shoulders prior to placing of DGA Base, but shall be incidental to the Contract unit price per ton for DGA Base.

Accept payment at the Contract unit price per ton as full compensation for all labor, materials, equipment, and incidentals for grading and/or shaping of existing shoulders and furnishing, placing, and compacting the DGA Base.

### **INCIDENTAL SURFACING**

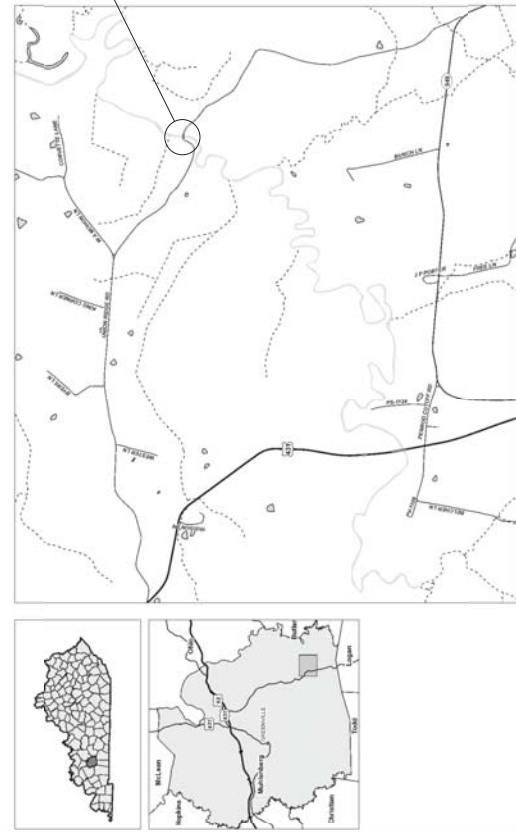
The Department has included in the quantities of asphalt mixtures established in the proposal estimated quantities required for resurfacing or surfacing mailbox turnouts, farm field entrances, residential and commercial entrances, curve widening, ramp gores and tapers, and road and street approaches, as applicable. Pave these areas to the limits as shown on Standard Drawing RPM-110-06 or as directed by the Engineer. In the event signal detectors are present in the intersecting streets or roads, pave the crossroads to the right of way limit or back of the signal detector, whichever is the farthest back of the mainline. Surface or resurface these areas as directed by the Engineer. The Department will not measure placing and compacting for separate payment but shall be incidental to the Contract unit price for the asphalt mixtures.

### **OPTION B**

Be advised that the Department will control and accept compaction of asphalt mixtures furnished on this project under OPTION B in accordance with Sections 402 and 403.

# TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS

## REHABILITATION PLANS CONTRACT NO. BK-008



089C0004N  
UNION RIDGE ROAD OVER  
ROCKY CREEK  
37.1325, -86.9775

Nasby  
Stroop

Digitally signed  
by Nasby  
Stroop  
Date:  
2018.09.20  
17:36:32 -04'00'

STATE OF KENTUCKY  
PROFESSIONAL ENGINEER  
NASBY R. STROOP  
16746  
LICENSED

Nasby R. Stroop

BRIDGE NUMBER  
089C0004N

### ESTIMATE OF QUANTITIES

BID ITEM CODE	UNIT	QTY	UNIT PRICE	TOTAL	QTY	UNIT PRICE	TOTAL
08800	Concrete Class "A"	4.8	1404	6739.2			
08801	Steel Reinforcement, Epoxy Coated						
08802	Remove Concrete	1.6	340.0	544.0			
08803	Remove Masonry						
08804	Peak PC Box Beam	340.0	162.5	55450.0			
08805	Guardrail-Steel Face BR						
08806	DGA Base	40	151.1	6044.0			
08807	Guardrail Terminal Section No. 1	4	151.1	604.4			
08808	Remove Superstructure						
08809	Maintain & Control Traffic						
08810	Demolition						
08811	Waterproofing Membrane						
08812	Cl2 Asphalt Surf	28	230	6440.0			
08813	Concrete Sealing	30	375	11250.0			
<b>BRIDGE TOTALS</b>		<b>4.8</b>	<b>1404</b>	<b>6739.2</b>			

### INDEX OF SHEETS

Sheet No.	Description
S1	Title Sheet
S2	General Notes
S3	Layout
S4	Abutment 1
S5	Abutment 2
S6	Piers 1 & 2
S7	Asphalt Overlay

### SPECIAL NOTES

Special Note For Traffic Control on Bridge Repair Contracts  
Special Note For Concrete Sealing

### SPECIAL PROVISIONS

### STANDARD DRAWINGS

Box-006-10 Stencils for Structures

BBP-001-05	Box Beam General Notes & References
BBP-002-03	Box Beam Bearing Details
BBP-003-03	Box Beam Miscellaneous Details
BBP-004-03	Box Beam Deck on Road Details
BBP-005-05	Box Beam BTI & EBIS
BBP-006-05	Box Beam BTI & EBIS
BBP-007-07	Box Beam System Type II
BBP-008-12	Steel Beam Guardrail
BBP-009-11	Guardrail Components
BBP-010-06	Guardrail Terminal Sections

### SPECIFICATIONS

2012 Standard Specifications for Road and Bridge Construction,  
AASHTO LRFD Bridge Construction Specifications,  
4th Edition with Interims.

DATE: 9/12/2018	CHECKED BY: D. CARPENTER
DESIGNED BY: N. STROOP	D. CARPENTER
DETAILED BY: J. JONES	D. CARPENTER
<b>Commonwealth of Kentucky</b> DEPARTMENT OF HIGHWAYS	
<b>MUHLENBERG COUNTY</b>	
ROUTE	CROSSING
UNION RIDGE ROAD	ROCKY CREEK
TITLE	
PREPARED BY:	
<b>AEI</b>	
SHEET NO.	27827

**SPECIFICATIONS:** References to the Specifications are to the current edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction including any current Supplemental Specifications. All references to the AASHTO Specifications are to the AASHTO LRFD Bridge Design Specifications, 8th Edition.

**DESIGN LOAD:** Proposed superstructure is designed for a KY HL-93 Live Load.

**DESIGN STRESSES:** Concrete Class 'A' ~ 3500 psi  
Steel Reinforcement ~ 60,000 psi

**CONCRETE:** Use Class 'A' concrete throughout the bridge substructure.

**REINFORCEMENT:** Dimensions shown from the face of concrete to bars are to center of bars unless otherwise shown. Spacing of bars from center to center at field ends is to face of concrete. Unless otherwise noted, Epoxy coat all bars in accordance with section 811.10 of the Standard Specifications.

**DIMENSIONS:** Dimensions are for a normal temperature of 60 degrees Fahrenheit. Layout dimensions are horizontal dimensions.

**BEVELED EDGES:** Bevel all exposed edges 3/4", unless otherwise noted.

**TRAFFIC CONTROL GENERAL:** Traffic shall be maintained in accordance with Section 112 of the Standard Specifications. All work necessary to maintain and control traffic shall be done in accordance with the Standard Specifications for Traffic Control. Maintain and Control Traffic. See Special Note for Traffic Control for Bridge Repairs.

**COMPLETION OF THE STRUCTURE:** The Contractor is required to complete the structure in accordance with the Plans and Specifications. Material, labor, or construction operations, or other work specified are to be included in the bid item unless otherwise noted. Work involving the removal of existing structures, phase construction, incidental materials, labor, or anything else required to complete the structure.

**VERIFYING FIELD CONDITIONS:** The Contractor shall verify all existing concrete, steel, and other materials, labor, or anything else required to complete the structure. New material that is unsuitable because of variations in the existing structure shall be replaced at the Contractor's expense. Modify construction as necessary to meet field conditions.

**STREAM PROTECTION:** No equipment will be allowed in the stream. The stream is not to be disturbed.

**INCIDENTAL ITEMS:** The Contractor is required to complete the structure in accordance with the proposal and specifications. Material or labor not otherwise specified are to be considered incidental to the contract.

**ON-SITE INSPECTION:** Each Contractor submitting a bid for this work shall make a thorough inspection of the project site prior to submitting a bid and shall be thoroughly familiarized with existing conditions so that work can be expeditiously performed after a contract is awarded. Submission of a bid will be considered an acknowledgment that the Contractor has inspected the project site and that conditions will not be honored by the Department of Highways.

**UTILITIES:** The Contractor shall follow all requirements of Specification 105.07. Before beginning work, locate all existing utilities although no utilities are known to be present. The department does not warrant the location and assumes no responsibility for the accuracy of the utility information. The Contractor shall be responsible for work around and do not disturb any utilities found. It is not anticipated that any utility facilities will require relocation and/or adjustment; however, in the event utilities are discovered that require relocation, the utility companies will work concurrently with the contractor while relocating their facilities.

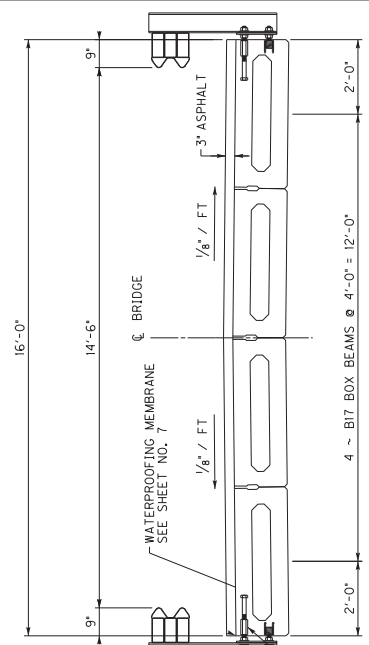
**REMOVE SUPERSTRUCTURE:** All cost to remove the existing timber and steel spans and the timber deck along with disposing away from the bridge site is to be included in the LS Bid "Remove Superstructure".

**DISPOSAL OF MATERIALS:** All materials and debris removed from or beneath the bridge shall become the property of the Contractor and shall be removed from the right-of-way.

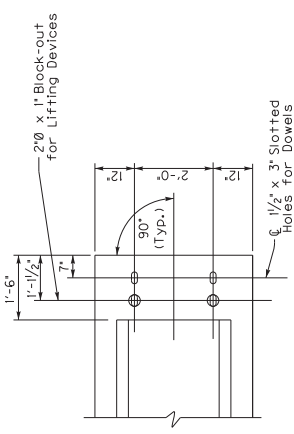
**COMPACTON OF ASPHALT MIXTURES:** Will accept the compaction of asphalt mixtures furnished on this project by option b according to subsections 402.03.02 and 403.03.10 of the Standard Specifications.

REVISION	DATE
DESIGNED BY: N. STROOP	CHECKED BY: D. CARPENTER
DETAILED BY: J. JONES	D. CARPENTER
<b>Commonwealth of Kentucky</b> <b>DEPARTMENT OF HIGHWAYS</b>	
<b>MUHLENBERG COUNTY</b>	
ROUTE	CROSSING
UNION RIDGE ROAD	ROCKY CREEK
<b>GENERAL NOTES</b>	
PREPARED BY: <b>AEI</b>	
SHEET NO. <b>27827</b>	

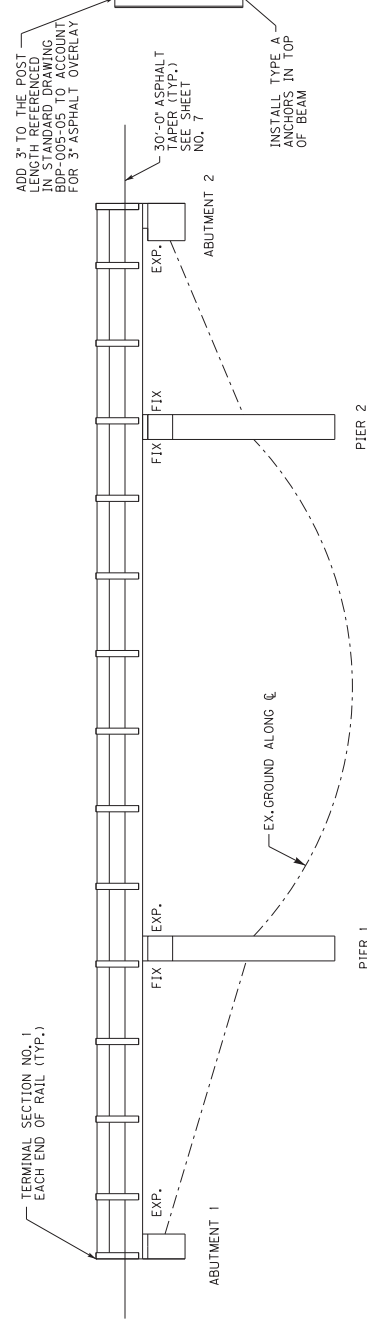
BRIDGE NUMBER  
**089C00004N**



**TYPICAL SECTION**

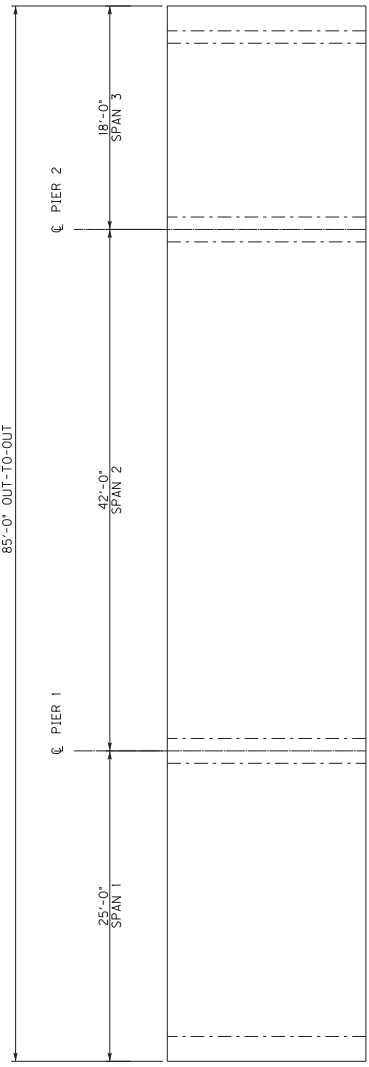
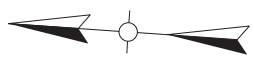


**TYPICAL BEAM END DETAIL**



**ELEVATION**

25'-0" - 42'-0" - 18'-0" 3-SPAN SIMPLE BIT BOX BEAM BRIDGE  
KY HL-93 LIVE LOAD ~ 16'-0" SHOULDER WIDTH @ BRIDGE  
0° SKEW ~ 14'-6" BRIDGE ROADWAY WIDTH



**PLAN**

ASPHALT TAPER (TYP.)  
SEE SHEET NO. 7

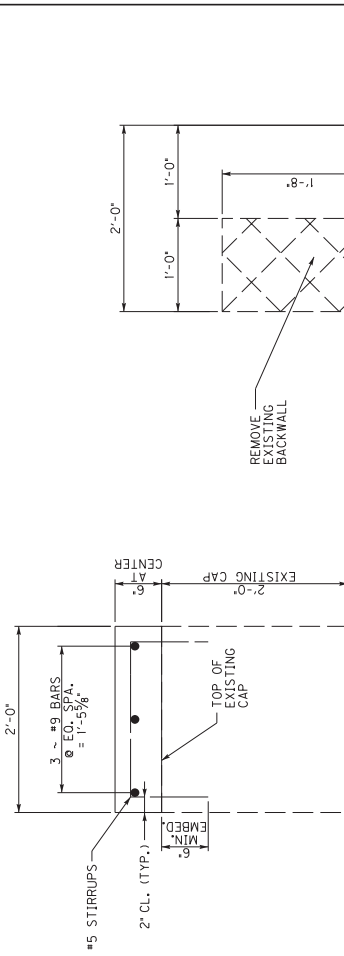
NOTE: REMOVE EXISTING SUPERSTRUCTURE

NOTE: USE STANDARD DRAWING BDP-007-04 FOR SPECIFICATIONS FOR BIT BOX BEAMS.

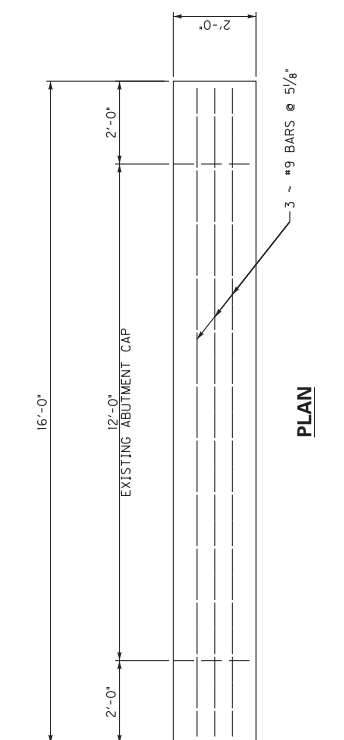
USE DETAILS FOR BIT BOX BEAMS EXCEPT FOR THE STRAND PATTERN. USE 13 (0.167 IN2) STRANDS IN ROW (1) FOR SPAN 1 BEAMS. USE 17 (0.167 IN2) STRANDS IN ROW (2) AND 8 (0.167 IN2) STRANDS IN ROW (3) FOR SPAN 2 BEAMS. AND USE 8 (0.167 IN2) STRANDS IN ROW (1) FOR SPAN 3 BEAMS.

REVISION	DATE
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DETAILED BY: J. JONES	D. CARPENTER
<b>Commonwealth of Kentucky</b> DEPARTMENT OF HIGHWAYS	
<b>MUHLENBERG COUNTY</b>	
ROUTE	CROSSING
UNION RIDGE ROAD	ROCKY CREEK
<b>LAYOUT</b>	
PREPARED BY: AEI	SHEET NO. 27827

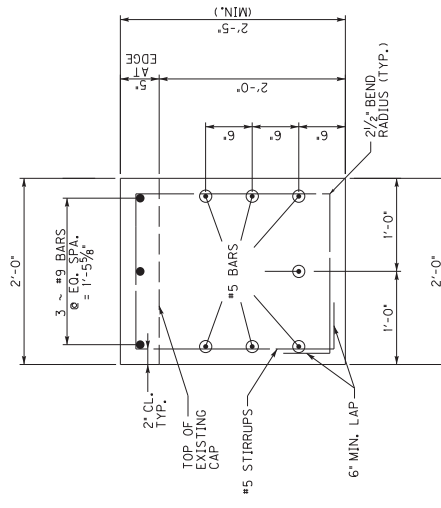
BRIDGE NUMBER  
**089C0004N**



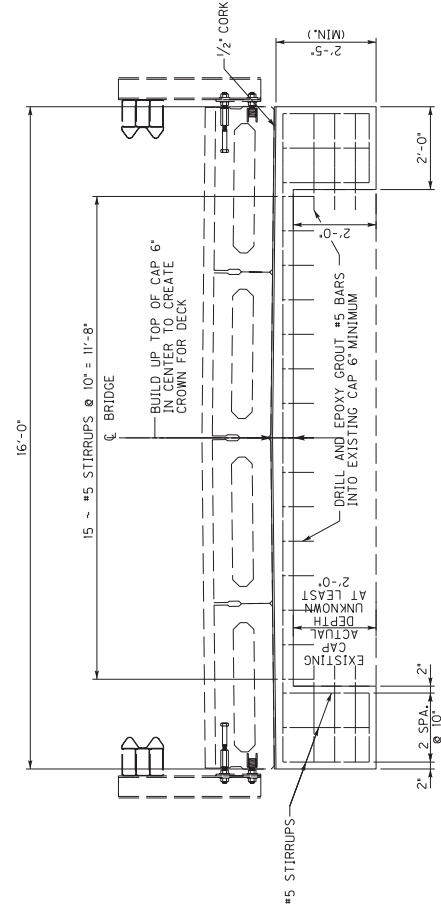
**EXISTING CAP SECTION**



**PLAN**

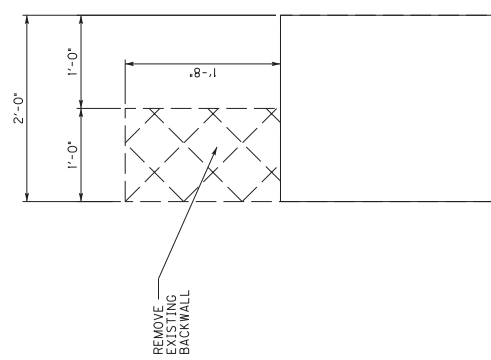


**NEW CAP SECTION**



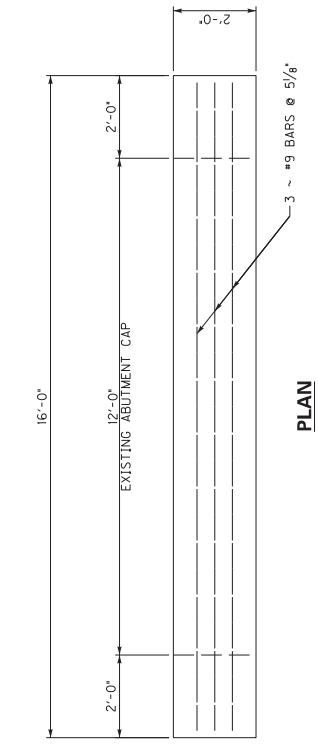
**ELEVATION**

**DEMOLITION - CAP SECTION**

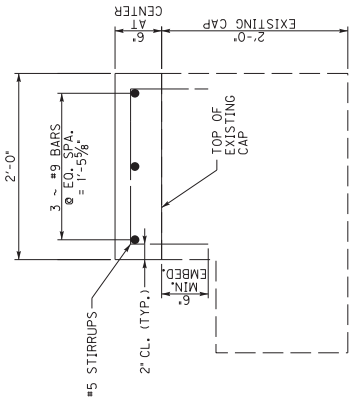


REVISION	CHECKED BY	DATE
DESIGNED BY: N. STROOP	D. CARPENTER	
DETAILED BY: J. JONES	D. CARPENTER	
<b>Commonwealth of Kentucky</b> DEPARTMENT OF HIGHWAYS		
<b>MUHLENBERG COUNTY</b>		
ROUTE UNION RIDGE ROAD CROSSING ROCKY CREEK		
<b>ABUTMENT 1</b>		
PREPARED BY: <b>AEI</b>		
SHEET NO. <b>27827</b>		

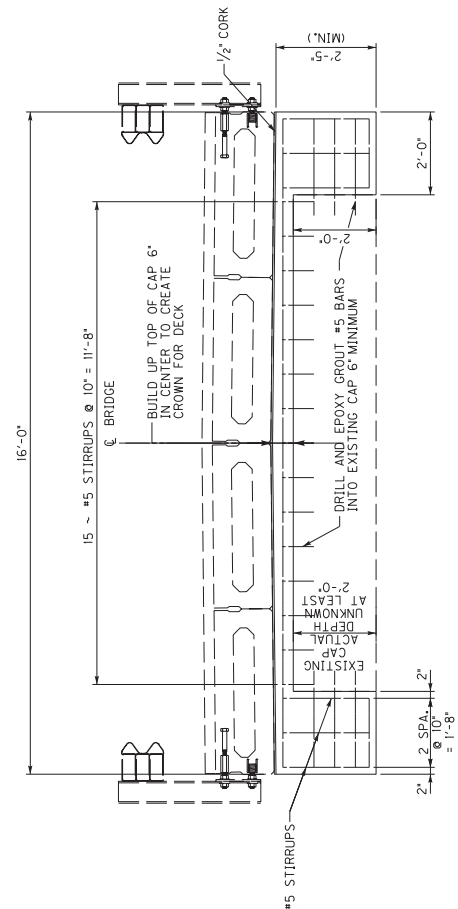
BRIDGE NUMBER  
**089C00004N**



**PLAN**

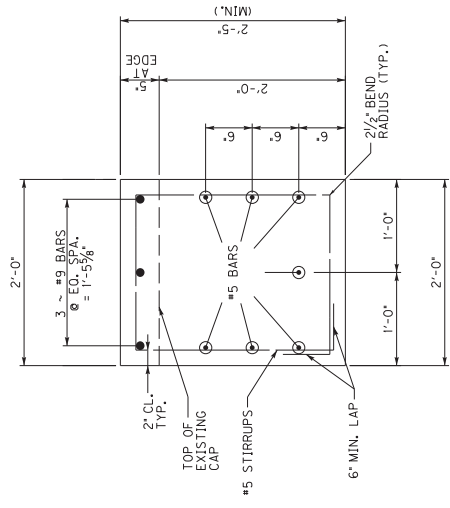


**EXISTING CAP SECTION**

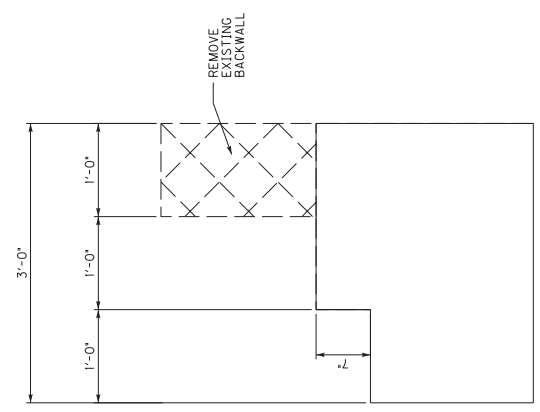


**ELEVATION**

SEAL GAP BETWEEN BEAMS AND ABUT. W/MAR-MAC SEAL WRAP 2'-0" WIDE (TYP. EA. ABUT. INCIDENTAL TO CONC CLASS 'A'.



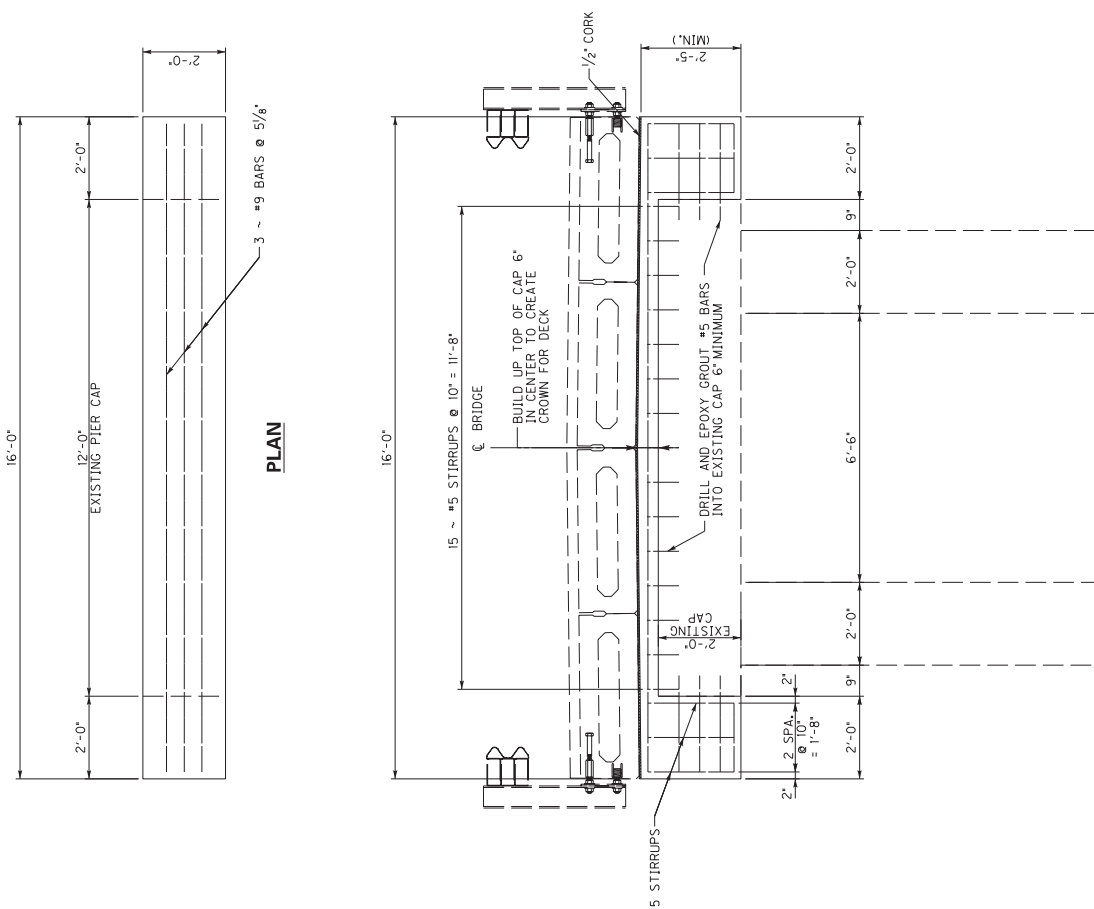
**NEW CAP SECTION**



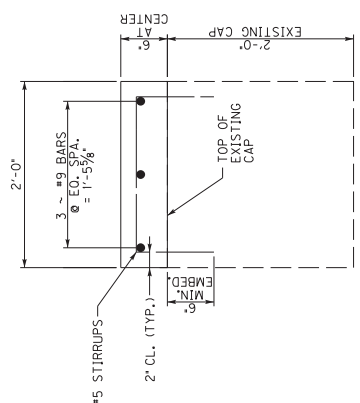
**DEMOLITION - CAP SECTION**

REVISION	DATE
CHECKED BY	D. CARPENTER
DESIGNED BY	N. STROOP
DETAILED BY	J. JONES
<b>Commonwealth of Kentucky</b> <b>DEPARTMENT OF HIGHWAYS</b>	
<b>MUHLENBERG COUNTY</b>	
ROUTE	CROSSING
UNION RIDGE ROAD	ROCKY CREEK
<b>ABUTMENT 2</b>	
PREPARED BY	
<b>AEI</b>	
SHEET NO.	27827
PROJECT NO.	089C00004N

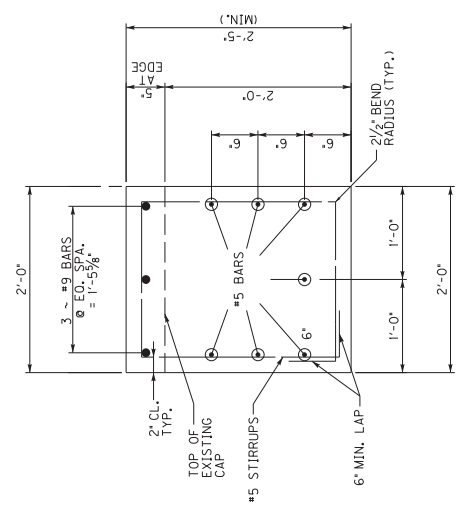
BRIDGE NUMBER  
**089C00004N**



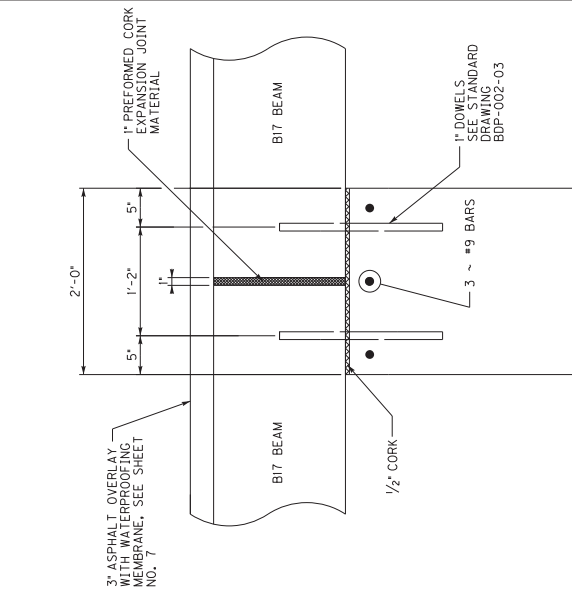
**ELEVATION**



**EXISTING CAP SECTION**



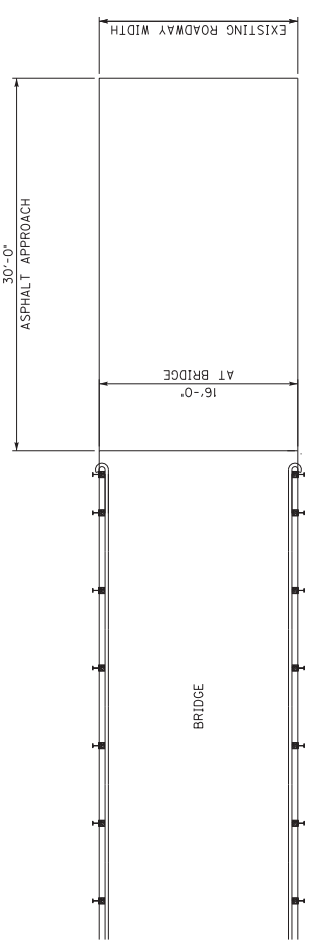
**NEW CAP SECTION**



**BEAM DOWEL DETAIL**

REVISION	DATE
DESIGNED BY: N. STROOP	CHECKED BY: D. CARPENTER
DATE: 9/12/2018	DETAILED BY: J. JONES
<b>Commonwealth of Kentucky</b> <b>DEPARTMENT OF HIGHWAYS</b>	
<b>MUHLENBERG COUNTY</b> ROUTE UNION RIDGE ROAD CROSSING ROCKY CREEK <b>PIERS 1 &amp; 2</b>	
PREPARED BY: <b>AEI</b>	
SHEET NO. <b>27827</b>	

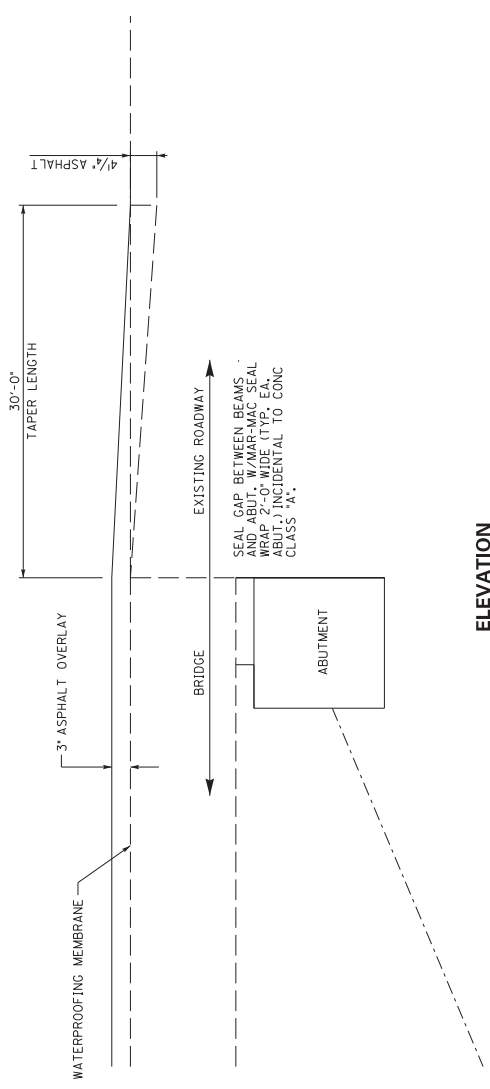
BRIDGE NUMBER	089C00004N
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ROCKY CREEK

**PLAN**

- NOTES:
- ① ASPHALT SHALL BE CLASS 2 SURFACE 0.380 P064-22.
  - ② COMPLETE THIS WORK ON BOTH ENDS OF BRIDGE.
  - ③ A QUANTITY OF DCA BASE HAS BEEN ADDED FOR LEVEL AND WEDGING, SHOULDERING, AND ANY OTHER NEED TO ACCOMPLISH THE WORK.
  - ④ USE A SPRAYABLE/ROLLABLE ELASTOMERIC POLYURETHANE WATERPROOFING MEMBRANE. MASTERSEAL HLM 5000 OR APPROVED EQUIVALENT.
  - ⑤ ANY ROADWAY EXCAVATION TO INSTALL TAPERS IS INCIDENTAL TO ASPHALT PAVEMENT.



**ELEVATION**  
DRAWING NOT TO SCALE

REVISION	DATE
DESIGNED BY: N. STROOP	CHECKED BY: D. CARPENTER
DETAILED BY: J. JONES	D. CARPENTER
<b>Commonwealth of Kentucky</b> DEPARTMENT OF HIGHWAYS	
<b>MUHLENBERG COUNTY</b>	
ROUTE	CROSSING
UNION RIDGE ROAD	ROCKY CREEK
<b>ASPHALT OVERLAY</b>	
PREPARED BY	SHEET NO.
<b>AEI</b>	27827

BRIDGE NUMBER
089C00004N



## **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 2012 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 is allowed to close the bridge to traffic in order to complete the work for a total of 30 consecutive calendar days. The contractor is expected to work continuous calendar days from the date of closure until the date of opening. The contractor must notify the engineer and public information officer at least 14 calendar days prior to the planned closure.

### **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 lane 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 and construction signing needed for the bridge closure. 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 and detour signs should be placed no sooner than two weeks prior to the closing of the bridge and covered until the bridge is closed. Signs shall be covered or removed within 24 hours of opening the bridge to traffic.

Road closed signs 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**

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. 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**

Maintain traffic over the bridge as long as possible. Once the structure is closed 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 so that delivery does not delay the reopening. If the bridge is reopened prior to safety devices being in place, temporary 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".

#### **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**

The contractor is expected to provide up to two 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. Contrary to the standard specification, no direct payment will be made for variable message signs. These signs will be considered incidental to the lump sum bid item "Maintain and Control Traffic".

## **VIII. BARRICADES**

During closure of the bridge, 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".

## **IX. DETOUR**

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 at 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) Signed detour routes must be on roadways with similar roadway characteristics, i.e. pavement widths and roadway striping.
- 4) 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.

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."

## SPECIAL NOTE FOR CONCRETE SEALING

### I. DESCRIPTION

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

This work consists of the following:

1. Furnish all labor, materials, tools, equipment, and incidental items necessary to complete the work.
2. Provide safe access to the bridge, in accordance with Section 107.01.01, for the Engineer to sound possible repair areas and for workers to complete the construction.
3. 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 coating.
7. Apply concrete coating.
8. Any other work as specified as part of this contract.

### II. MATERIALS

One of the following coating systems shall be used:

<u><i>Manufacturer</i></u>	<u><i>Prime Coat</i></u>	<u><i>Finish Coat</i></u>
Sherwin Williams	Macropoxy 646	Acrolon 218 HS
PPG	Amerlock 2	Devoe Devflex HP
Carboline	Carboguard 890	Carbothane 133 HB
Tnemec	Elastogrip 151	Envirocrete 156

The coating shall be tinted and the color shall closely match the existing concrete. The finish product shall be opaque and satin or semi-gloss. The contractor must apply sufficient coats as required to achieve this goal.

Furnish to the Engineer copies of the manufacturer's technical data sheets, installation guidelines, material safety data sheets, and other pertinent data at least two (2) days prior to beginning the work.

### 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 as applicable.

**B. Apply Ordinary Surface Finish.** 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. 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.

**C. Areas to Receive Concrete Sealing:**

- a. All exposed concrete on abutments and wingwalls.
- b. All exposed concrete on piers, including caps.

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

**E. Apply Concrete Coating.** All areas specified shall have concrete coating applied to as specified after debris removal and power washing. New concrete shall be allowed to properly cure in accordance with the manufacturer's recommendations prior to application. Use compressed air to remove any loose debris from the surfaces that are to be coated after power washing. All coatings shall be applied within manufacturers recommended dry film thickness range. Comply with KYTC "Standard Specifications for Road and Bridge Construction" Section 614.03.02 and coatings supplier recommended conditions for application. Allow the surfaces to be coated to dry before any coating is applied. The coating must be applied to a clean and dry surface. All coating application shall be executed using brushes, rollers, etc. No spray application will be permitted.

The Department requires acceptance testing of samples obtained on a per-lot basis per-shipment. The Division of Materials shall perform acceptance testing. Test samples shall be taken at the Contractor's paint storage site. Department personnel shall perform sampling. Allow (10) working days for testing and approval of the sampled paint. It is the Contractor's responsibility to maintain an adequate inventory of approved paint. The Department shall assume no responsibility for lost work due to rejection of paint or approved paint subsequently found to be defective during the application process. Perform all concrete coating application at temperatures above 40 degrees Fahrenheit or in accordance with manufactures specifications.

#### IV. MEASUREMENT

The Department will measure the quantity as lump sum. The Department will not measure preparation of the site for the Engineer's access or removal and reapplication of coatings that do not satisfy the Engineer's approval for payment and will consider them incidental to "Concrete Sealing".

#### V. PAYMENT.

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

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
23378EC	Concrete Sealing	Square Foot

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

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

**5.0 PAYMENT.** The Department will not make direct payment for Variable Message Sign. Variable Message Signs will be considered incidental to Maintain and Control Traffic.

**SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND  
LIQUIDATED DAMAGES ON BRIDGE REPAIR CONTRACTS**  
*089C00004N Muhlenberg County*

**I. COMPLETION DATE.**

Upon Notice to Proceed, the Contractor has the option of selecting the Begin Work date. Once selected, notify the Department in writing of the date selected at least two weeks prior to beginning work and provide a proposed project schedule. All work is to be completed by the specified contract completion date. The Contractor is allotted 30 calendar days once the bridge is closed to complete all work to safely reopen the structure with no lane closures. At a minimum, prior to reopening the bridge to traffic, all strength requirements and curing for materials used shall be completed per Division 600 of the Standard Specifications. Guardrail shall be installed to the satisfaction of the Engineer prior to reopening the bridge to traffic unless prior approval is obtained from the engineer for use of temporary railing.

The Engineer will begin charging calendar days for a structure on the day the Contractor closes the structure to traffic, regardless of holidays or seasonal weather limitations.

**II. LIQUIDATED DAMAGES.**

Liquidated damages will be assessed to the Contractor in accordance with the Transportation Cabinet, Department of Highway's 2012 Standard Specifications for Road and Bridge Construction, Section 112.03.15A, when the bridge remains closed beyond the allotted number of calendar days. Liquidated Damages will be assessed per the Standard Specification Section 108.09 when the contract time extends beyond the contract date but the bridge closure is removed and the roadway has reopened to the public.

Contrary to the Standard Specifications, liquidated damages will be assessed to the Contractor during the months of December, January, February and March when the contract time has expired on any individual bridge. Contract time will be charged during these months. 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.

Any approval of cold weather plans or allowance of construction operations to occur outside Section 606 and/or Section 601 does not alleviate the 30 day maximum bridge closure. In the event the closure duration lasts longer than 30 calendar days as specified, liquidated damages will apply to all excess days regardless of weather limitations.

## **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 2012 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 is allowed to close the bridge to traffic in order to complete the work for a total of 30 consecutive calendar days. The contractor is expected to work continuous calendar days from the date of closure until the date of opening. The contractor must notify the engineer and public information officer at least 14 calendar days prior to the planned closure.

### **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 lane 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.

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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 and construction signing needed for the bridge closure. 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 and detour signs should be placed no sooner than two weeks prior to the closing of the bridge and covered until the bridge is closed. Signs shall be covered or removed within 24 hours of opening the bridge to traffic.

Road closed signs 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**

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. 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**

Maintain traffic over the bridge as long as possible. Once the structure is closed 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 so that delivery does not delay the reopening. If the bridge is reopened prior to safety devices being in place, temporary 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".

#### **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**

The contractor is expected to provide up to two 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. Contrary to the standard specification, no direct payment will be made for variable message signs. These signs will be considered incidental to the lump sum bid item "Maintain and Control Traffic".

## **VIII. BARRICADES**

During closure of the bridge, 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".

## **IX. DETOUR**

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 at 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) Signed detour routes must be on roadways with similar roadway characteristics, i.e. pavement widths and roadway striping.
- 4) 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.

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."

### **Special Note for Bridge Demolition, Renovation and Asbestos Abatement**

**If the project includes any bridge demolition or renovation, the successful bidder is required to notify Kentucky Division for Air Quality (KDAQ) via filing of form (DEP 7036) a minimum of 10 days prior to commencement of any bridge demolition or renovation work.**

**Any available information regarding possible asbestos containing materials (ACM) on or within bridges to be affected by the project has been included in the bid documents. These are to be included with the Contractor's notification filed with the KDAQ. If not included in the bid documents, the Department will provide that information to the successful bidder for inclusion in the KDAQ notice as soon as possible. If there are no documents stating otherwise, the bidders should assume there are no asbestos containing materials that will in any way affect the work.**



## Asbestos Inspection Report

To: Tom Springer, QK4, Inc.

Date: August 30, 2018

Conducted By: Russell H. Brooks, LFI, Inc.  
Kentucky Accredited Asbestos Inspector #118-06-9270

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### Project and Structure Identification

Project: Muhlenberg County: Item No. 2-10009

Structure ID: #089C00004N

Structure Location: Union Ridge Road over Rock Creek near Belton, Muhlenberg County, Kentucky

Sample Description: No suspect asbestos containing materials (ACM) were observed.

Inspection Date: August 27, 2018

### Results and Recommendations

The asbestos inspection was performed in accordance with current United States Environmental Protection Agency (US EPA) regulations, specifically 40 CFR Part 61, Asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP) revision, final rule effective November 20, 1990.

It is recommended that this report accompany the 10-Day Notice of Intent for Demolition ([DEP7036 Form](#)) which is to be submitted to the Kentucky Division of Air Quality prior to abatement, demolition, or renovation of any building or structure in the Commonwealth.

No suspect asbestos containing materials (ACM) were observed.

**Commonwealth of Kentucky**  
**Department for Environmental Protection**  
**Division for Air Quality**

**Russell Henry Brooks**

*Has met the requirements of 401 KAR 58.005 and is accredited as an:*


**Asbestos  
Inspector**

Accreditation Number: **118-06-9270**

Issue Date: **6/12/2018**

Expiration Date: **6/5/2019**





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

**RIGHT OF WAY CERTIFICATION**

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

<input checked="" type="checkbox"/>	Original	<input type="checkbox"/>	Re-Certification	<b>RIGHT OF WAY CERTIFICATION</b>		
<b>ITEM #</b>	<b>COUNTY</b>		<b>PROJECT # (STATE)</b>	<b>PROJECT # (FEDERAL)</b>		
02-10009.00	Muhlenberg		FD04 089 1141 C00004N			

**PROJECT DESCRIPTION**

ADDRESS DEFICIENCIES OF UNION RIDGE RD BRIDGE OVER ROCKY CREEK. (089C00004N)

**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.

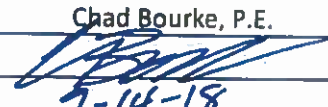


**Condition # 1 (Additional Right of Way Required and Cleared)**  
 All necessary right of way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There 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.

**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

**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	0		
Condemnation	0		
Signed ROE	0		

Notes/ Comments (Use Additional Sheet if necessary)

<b>LPA RW Project Manager</b>		<b>Right of Way Supervisor</b>	
Printed Name	Chad Bourke, P.E.	Printed Name	Mark C. Askin, P.E.
Signature		Signature	
Date	7-14-18	Date	9-7-18
<b>Right of Way Director</b>		<b>FHWA</b>	
Printed Name	Dean M. Loy	Printed Name	
Signature		Signature	
Date	Digitally signed by DM Loy Date: 2018.09.14 13:41:11 -04'00'	Date	

## UTILITIES AND RAIL CERTIFICATION NOTE

**Muhlenberg, FD04 089 1141 C00004N  
UNION RIDGE RD (CR 1141) / BRIDGE REHABILITATION  
SYP 02-10009.00**

*Utility coordination efforts conducted by the project sponsor have 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.*

### THE FOLLOWING RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

No Rail Involved       Minimal Rail Involved (See Below)       Rail Involved (See Below)

### UNDERGROUND FACILITY DAMAGE PROTECTION – BEFORE YOU DIG

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.

### SPECIAL CAUTION NOTE – PROTECTION OF UTILITIES

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

## UTILITIES AND RAIL CERTIFICATION NOTE

**Muhlenberg, FD04 089 1141 C00004N  
UNION RIDGE RD (CR 1141) / BRIDGE REHABILITATION  
SYP 02-10009.00**

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.

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

### AREA UTILITIES CONTACT LIST AS PROVIDED BY KY 811

<u>Utility Company/Agency</u>	<u>Contact Name</u>	<u>Contact Information</u>
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**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 2012* and *Standard Drawings, Edition of 2016*.

## **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>

## **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 administrating 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, 3 Fountain Place, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: January 27, 2017

### **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**

## INSURANCE

The Contractor shall procure and maintain the following insurance in addition to the insurance required by law:

- 1) Commercial General Liability-Occurrence form – not less than \$2,000,000 General aggregate, \$2,000,000 Products & Completed Aggregate, \$1,000,000 Personal & Advertising, \$1,000,000 each occurrence.
- 2) Automobile Liability- \$1,000,000 per accident
- 3) Employers Liability:
  - a) \$100,000 Each Accident Bodily Injury
  - b) \$500,000 Policy limit Bodily Injury by Disease
  - c) \$100,000 Each Employee Bodily Injury by Disease
- 4) The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
  - a) "policy contains no deductible clauses."
  - b) "policy contains \_\_\_\_\_ (amount) deductible property damage clause but company will pay claim and collect the deductible from the insured."
- 5) KENTUCKY WORKMEN'S COMPENSATION INSURANCE. The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

The cost of insurance is incidental to all contract items. All subcontractors must meet the same minimum insurance requirements.

**PART V**  
**BID ITEMS**

**PROPOSAL BID ITEMS**

185002

Page 1 of 1

Report Date 9/27/18

**Section: 0001 - BRIDGE - ROCKY CREEK**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	40.00	TON		\$	
0020	00301		CL2 ASPH SURF 0.38D PG64-22	52.00	TON		\$	
0030	02360		GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH		\$	
0040	02403		REMOVE CONCRETE MASONRY	1.60	CUYD		\$	
0050	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0060	03250		WATERPROOFING MEMBRANE	151.10	SQYD		\$	
0070	08100		CONCRETE-CLASS A	4.80	CUYD		\$	
0080	08151		STEEL REINFORCEMENT-EPOXY COATED	1,404.00	LB		\$	
0090	08301		REMOVE SUPERSTRUCTURE	1.00	LS		\$	
0100	08652		PRECAST PC BOX BEAM B17-48	340.00	LF		\$	
0110	08801		GUARDRAIL-STEEL W BEAM-S FACE BR	162.50	LF		\$	
0120	23378EC		CONCRETE SEALING	663.00	SQFT		\$	

**Section: 0002 - DEMOBILIZATION &/OR MOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0130	02569		DEMOBILIZATION	1.00	LS		\$	