



CALL NO. 314

CONTRACT ID. 121383

FLOYD COUNTY

FED/STATE PROJECT NUMBER JL04 036 0680 NEW LOC

DESCRIPTION MINNIE-HAROLD CONNECTOR (KY 680)

WORK TYPE GRADE, DRAIN & SURFACE WITH BRIDGE

PRIMARY COMPLETION DATE 450 WORKING DAYS

LETTING DATE: December 14,2012

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 A.M. EASTERN STANDARD TIME December 14,2012. Bids will be publicly announced at 10:00 A.M. EASTERN STANDARD TIME.

PLANS AVAILABLE FOR THIS PROJECT.

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

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PART I
SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 12

CONTRACT ID - 121383

JL04 036 0680 NEW LOC

COUNTY - FLOYD

PCN - DE036068012W1

JL04 036 0680 NEW LOC

MINNIE-HAROLD CONNECTOR (KY 680) FROM KY 122 AT MINNIE TO LITTLE MUD ROAD (SECTION 1), A
DISTANCE OF 01.44 MILES.GRADE, DRAIN & SURFACE WITH BRIDGE SYP NO. 12-00301.10.

GEOGRAPHIC COORDINATES LATITUDE 37:28:30.00 LONGITUDE 82:44:23.00

COMPLETION DATE(S):

450 WORKING DAYS

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 Expedite Bidding Program available on the Internet web site of the Department of Highways, Division of Construction Procurement. (www.transportation.ky.gov/contract)

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

JOINT VENTURE BIDDING

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

UNDERGROUND FACILITY DAMAGE PROTECTION

The contractor is advised that the Underground Facility Damage Protection Act of 1994, became law January 1, 1995. It is the contractor's responsibility to determine the impact of the act regarding this project, and take all steps necessary to be in compliance with the provision of the act.

SPECIAL NOTE FOR PIPE INSPECTION

Contrary to Section 701.03.08 of the 2012 Standard Specifications for Road and Bridge Construction and Kentucky Method 64-114, certification by the Kentucky Transportation Center for prequalified Contractors to perform laser/video inspection is not required on this contract. It will continue to be a requirement for the Contractor performing any laser/video pipe inspection to be prequalified for this specialized item with the Kentucky Transportation Cabinet-Division of Construction Procurement.

REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

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

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

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

SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT

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

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

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

HARDWOOD REMOVAL RESTRICTIONS

The Kentucky Division of Forestry has imposed a quarantine in Anderson, Boone, Bourbon, Boyd, Boyle, Bracken, Campbell, Carroll, Fayette, Franklin, Gallatin, Garrard,

Grant, Greenup, Hardin, Harrison, Henry, Jefferson, Jessamine, Kenton, Oldham, Owen, Pendleton, Scott, Shelby, Trimble, and Woodford Counties 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 county of its origin. 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. (See attachment)

09/26/2012

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 Expedite Bidding Program. Submittal of the Affidavit should be done along with the bid in Bid Express.

03/01/2011

FUEL AND ASPHALT PAY ADJUSTMENT

The Department has included the Contract items Asphalt Adjustment and Fuel Adjustment for possible future payments at an established Contract unit price of \$1.00. The Department will calculate actual adjustment quantities after work is completed. If existing Contract amount is insufficient to pay all items on the contract with the adjustments, the Department will establish additional monies with a change order.

OPTION A

Be advised that the Department will accept compaction of asphalt mixtures furnished for driving lanes and ramps, at 1 inch (25mm) or greater, on this project according to OPTION A in accordance with Section 402 and Section 403 of the current Standard Specifications. The Department will require joint cores as described in Section 402.03.02 for surface mixtures only. The Department will accept compaction of all other asphalt mixtures according to OPTION B.

MATERIAL TRANSFER VEHICLE (MTV)

Provide and use a MTV in accordance with Sections 403.02.10 and 403.03.05.

Special Note for Pending Award and Right of Way Clearance 12-301.10 Floyd County Minnie to Harold

Upon opening of bids, the Department will make the determination to tentatively accept the apparent low bid and proceed with placing the winning bidder for this contract on the Pending Award List. Contrary to Standard Specification 103.02, the Department may hold the award up to 120 days after the December 14, 2012 letting.

There are two issues contingent on this project being awarded. The Permits must be approved and a CSX Agreement in place.

- 1) The Department will not award the contract to the lower bidder until the issuance of the permits required on the 12-301.10 project Floyd Co. It is anticipated that the permits will be approved by January 15th, 2013

US Army Corps of Engineers 404 permits. The Cabinet is currently waiting on approval of the ACOE 404 permit for this project. The project will not be awarded until this permit is received by the Kentucky Transportation Cabinet.

- 1) The Department will not award the contract to the lower bidder until the issuance of the CSX Agreement. This rail line is currently inactive, but all requirements in the CSX agreement must be met by the contractor. It is anticipated that the agreement will be approved by January 15th, 2013

A meeting will be scheduled with the contractor and the Department no later than April 12, 2013. At this meeting, the Contractor and the Department will each be allowed the opportunity to cancel the contract at no cost to either party. If both parties agree, the Pending Award List process can be extended for 30 days, at which time the Contractor and the Department will again be given the opportunity to cancel the contract at no cost to either party. This process can be repeated as long as both parties are willing to accept all original contract bid prices, with appropriate fuel and asphalt adjustments in place at the letting.

There are R/W parcels that are not clear. The anticipated clearance and relocation for all parcels and tenants is March 15th, 2013. The contractor will not have the right to access or disturb those properties until R/W has been obtained by KYTC. Therefore, all work and schedules should be developed and based on this constraint. The contractor is to work in areas that have KYTC R/W obtained.

**Floyd County – Minnie to Harold Road Section 1 (KY 979/KY 460)
Mandatory Pre-Bid Meeting Minutes
Item No. 12-301.10
November 5, 2012**

A mandatory Pre-Bid Meeting was held in the Conference Room of the District 12 office in Pikeville at 1:30 p.m. on Monday, November 5, 2012. The following contractor representatives attended the meeting:

Gary L. Taylor	Bizzack Construction, LLC
Lester Wimpy	Bizzack Construction, LLC
Richard Hertzner	Vecellio & Grogan, Inc.
Matt Farley	Vecellio & Grogan, Inc.
Mike Evans	Kanawha Stone Co.
Michael Edwards	Elmo Greer & Sons, LLC
Tom Caudel	Greer Mining, Inc.
Ken Lake	Kokosing Construction Co.
Tim Hill	Hi-View, LLC
Bret Summers	Mountain Enterprises
Kevin Wolfe	Haydon Bridge Co, Inc.
Joe Burchett	Bush & Burchett, Inc.

Copies of the sign-in sheets from the meeting are attached to the minutes and include contact information for the contractor representatives. Within the sign in sheets are the names and contact information for the KYTC personnel who attended and the CSX representative. .

John Michael Johnson, KYTC Project Manager, began the meeting with an overview of the project including the following points:

The project is Minnie to Harold Road Section 1.

It isn't expected that construction of this section will overlap with the construction of the next section.

A handout provided has a list of the parcels within the right-of-way that have not yet been cleared along with the expected dates for the Rights of Entry. Until the cabinet has a ROE for each parcel the contractor doesn't have the right to be on the property.

Parcel 110 is leased by Childers' Oil and Don Childers has indicated that the contractor can cross the property with owner notification. Once the contractor decides to how and when to cross Parcel 110, a Consent Release will be obtained by the Cabinet.

Environmental permits are expected to be cleared between middle to late January. The project will not be awarded until the environmental permits are issued.

A creek crossing is being permitted in the vicinity of the bridge.

No potential bat habitats were discovered; therefore, there will be no tree-cutting restrictions.

A map was distributed to all contractors in attendance that shows the streams that are included in the permit. If a contractor disturbs a non-permitted stream, then Corps of Engineers permitting is the contractor's responsibility.

This project is balanced, therefore excavated material is to be contained within right-of-way. If there is excess material it is acceptable to continue the fill up Boy Hollow (Right Fork of Simpson Branch) within the purchased right of way.

The award contract is expected between middle to late January 2013.

Railroad documents from CSX Railroad are expected to be completed mid-late January. According to Wayne Bolen, a CSX representative, the documents should be in-hand much sooner than that.

Because the railroad is inactive, there will be fewer submittals required and a flagman will not be required. Insurance is still required. If there is a change to the status of the tracks and flaggers are required, KYTC will pay for the flaggers.

Dave Skeens, KYTC Utilities, spoke about the expected progress of utility relocation. Currently the utilities on the project have not been moved. There will be revised dates in an addendum to the proposal.

Chesapeake Gas Lines (around bridge piers) – May 1, 2013
EQT Gathering (around bridge piers) – May 1, 2013
EQT Gathering (Simpson Branch) – August 1, 2013
Kentucky Power (Simpson Branch) – May 1, 2013
Kentucky Power (Intersection) – September 1, 2013
Intermountain Cable – September 1, 2013
AT&T – September 1, 2013
Southern Water and Sewer – May 1, 2013
Gas Lines (Simpson Branch) – August 1, 2013

Frontier gas has a line at the intersection and has decided to work with the contractor to move the line themselves.

Two steel encasements are included in the road plans for future water utility relocation.

The gas well in Simpson Branch has been purchased and is currently in the process of being plugged.

Exact location of the relocated 12" and 4" gas lines near stations 59+00, 62+00, and 70+00, will not be known until the proposals are submitted by the gas companies.

KYTC will move the flashing signals at the intersection of KY 122 and KY 680.

The foundation preparation bid item includes all excavation, backfill and dewatering for the entire bridge. The foundation preparation bid item also includes any cofferdams and/or shoring required for construction of piers other than 19 and 20. The bid items for the cofferdams at Piers 19 and 20 are for constructing and removing the cofferdams only.

KYTC personnel and design consultants then were asked questions by the contractors, with the following question answered during the meeting and shown in italics:

Question 1 On the utilities map what is the distinction between the green red, and cyan lines??

The green lines represent overhead utilities, the red lines represent gas lines, and the cyan lines represent water lines. The design consultant will add a legend to the utilities map.

The meeting adjourned at 2:00 p.m. The meeting was filmed and will be made available on the KYTC District 12 website.

Floyd County 12-301.1
CID 12-1372 Minnie to Harold
Pre-Bid Meeting
11-5-2012

Introduction: John Michael Johnson
Right-of-Way Status: John Michael Johnson
Environmental Status: John Michael Johnson
Utilities Status: Dave Skeens
Contract Award: Chuck Allen / John Michael Johnson

Questions:

Parcel #	Parcel Name	Expected ROE
P104	Stanley Allen	Nov 2012
P105	Michael McKinney, Jr	??
P110	Michael Vanderpool	??
P119	Martha McKinzie	Jan 2013
P123	Danny Lawson	Feb 2013
P124	Maxie Lawson	Feb 2013
P125	Noah Martin Heirs	Dec 2012
P128	John Hall Heirs	Mar 2013
P131	Johnnie Caudill	Dec 2012
P134	Debbie Judd	Dec 2012
P135	Karen Hall	Nov 2012
P138	Lewis & Susie Knott Heirs	Mar 2013

Pre-Bid Meeting
 Item 12-301.10
 Minnie to Harold Road - Section 1
 November 5, 2012

Name	Representing	Phone	E-mail
JOHN M. JOHNSON	KYTC	606-433-7791	JOHN.M.JOHNSON@KY.GOV
GARY L. TAYLOR	BIZZACK CONSTRUCTION LLC	859-299-8001	gary@bizzackconstruction.com
Lozier Wimpy	Bizzack Construction LLC	"	wimpy@bizzackconstruction.com
Richard Hertzner	Veccellio & Greggan, Inc.	(304) 282-6575	RickHertzner@veccelliogreggan.com
MATT FARLEY	VECELLIO & GREGGAN INC	304-252-6575	MATT.FARLEY@VECELLIOGREGGAN.COM
SAMUEL HALE	KYTC DIZ	606-433-7791	samuel.hale@ky.gov
MIKE EVANS	KANAWHA STONE CO	304-755-8271	MIKE.EVANS@KANAWHASTONE.COM
Michael Edwards	Elmo Greer & Sons LLC	606-843-6136	medwards@elmoGreerSONS.COM
Tom Caudele	Greer Mummy, Inc.	606-843-9631	tom.caudele@greermummy.com
Kew Lake	KOKOSING CONST. CO.	614-679-8328	KCI@KOKOSING.biz
Tim Hill	Hi-View, LLC	606-523-9670	THILL@NEWWORKS.COM.NET
Bret Summers	Mountain Enterprises	606-367-0010	bbs@summersmountaincompanies.com
KEVIN WOLFE	HAYDON BRIDGE CO, INC	859-336-7533	kwolfe1@haydonbridgecompany.com
Joe Burchett	Bush + Burchett Inc	606-874-9057	joe@bushandburchett.com
Vibert Forsyth	WYTC	502-564-4980	Vibert.Forsyth@ky.gov
Matthew Moore	KYTC	606-874-9561	Matthew.Moore@ky.gov
MARY WESTERLICK - Heerbrook	KYTC	606-433-7791	Mary.w.westerlick@ky.gov
Joe Tachett	KYTC	606-433-7791	Joe.Tachett@ky.gov



H. A. SPALDING
 ENGINEERS, Inc.

Special Note for Diversion Width and Surface
12-301.10 Floyd County Minnie to Harold

This project requires 6 diversions and are depicted and identified in the plans as 1 through 6. The width and surface type for each diversion is as follows:

DIVERSION	WIDTH	SURFACE	TRAFFICBOUND BASE (DEPTH)	ASPHALT BASE	CRUSHED STONE BASE
1	20'	TRAFFIC BOUND BASE	5"	-	-
2	20'	TRAFFIC BOUND BASE	5"	-	-
3	12'	TRAFFIC BOUND BASE	5"	-	-
4	15'	TRAFFIC BOUND BASE	5"	-	-
5	24'	ASPHALT	-	4"	4"
6	8' +/-	ASPHALT	-	4"	4"

SPECIAL PROVISION FOR WASTE AND BORROW SITES

Obtain U.S. Army Corps of Engineer's approval before utilizing a waste or borrow site that involves "Waters of the United States". The Corps of Engineers defines "Waters of the United States" as perennial or intermittent streams, ponds or wetlands. The Corps of Engineers also considers ephemeral streams, typically dry except during rainfall but having a defined drainage channel, to be jurisdictional waters. Direct questions concerning any potential impacts to "Waters of the United States" to the attention of the appropriate District Office for the Corps of Engineers for a determination prior to disturbance. Be responsible for any fees associated with obtaining approval for waste and borrow sites from the U.S. Army Corps of Engineer or other appropriate regulatory agencies.

1-296 Waste & Borrow Sites
01/02/2012

SPECIAL NOTES FOR UTILITY CLEARANCE

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GENERAL PROJECT NOTE ON UTILITY PROTECTION

N/A

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

N/A

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

THE FOLLOWING COMPANIES ARE RELOCATING/ADJUSTING THEIR UTILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

N/A

THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE COMPANY OR THE COMPANY’S SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

KY Power Company has facilities to relocate throughout the project. Expected completion date for bridge and Simpson Branch construction is May 1, 2013. Expected completion date for remainder of project is September 1, 2013. AT & T KY has facilities to relocate throughout the project. Expected completion date is Septemeber 1, 2013, Inter-Mountain Cable has facilities to relocate throughout the project. . Expected completion date is Septemeber 1, 2013. Coalfields Telephone has facilities to relocate throughout the project. Expected completion date August 1, 2013. EQT Gathering has facilities to relocate throughout the project. Expected completion date for bridge construction is May 1, 2013. Expected completion date for remainder of project is August 1, 2013. Chesapeake Appalachia Gas Company has facilities to relocate throughout the project. Expected completion date for bridge construction is May 1, 2013. Expected completion date for remainder of project is August 1, 2013. Southern Water and Sewer has facilities to relocate throughout the project. Expected completion date May 1, 2013. Frontier Gas Company has facilities to relocate throughout the project. Expected completion date May 1, 2013. Frontier Gas Company has requested a meeting with the contractor to coordinate the relocation of their gas line. The Department will consider submission of a bid as the Contractor’s agreement to not make any claims for additional compensation due to delays or other conditions created by the operations of KY Power Company, AT & T KY, Inter-Mountain Cable, Coalfields Telephone, Southern Water and Sewer District, EQT Gathering, Chesapeake Appalachia Gas Company and Frontier Gas Company. Working days will not be charged for those days on which work on KY Power Company, AT & T KY, Inter-Mountain Cable, Coalfields Telephone, Southern Water and Sewer District, EQT Gathering, Chesapeake Appalachia Gas Company and Frontier Gas Company facilities is delayed, as provided in the current edition of the KY Standard Specifications for Road and Bridge Construction. Should a difference of opinion arise as to the rights of the Contractor and others working within the limits of, or adjacent to the project, the KYTC Resident Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department’s

SPECIAL NOTES FOR UTILITY CLEARANCE
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work in general harmony and in a satisfactory manner, and his decision shall be final and binding upon the Contractor. .

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

Southern Water and Sewer District will have two encasement pipes to be relocated as part of the road contract. Pipes will be 10 inch steel encasements. First encasement will be installed at approximate station 123+50. Second location is approximate station 87+50. Exact location shall be determined during construction. Contractor shall notify resident engineer one week prior to installing the encasements to allow a meeting to be arranged with Southern Water and Sewer District. Encasements should be installed according to elevation listed on plan sheets with backfill being completed per KYTC specifications. Final water line relocation will be completed by Southern Water and Sewer District contractor in conjunction with road contractor being finished in these two locations.

SPECIAL NOTES FOR UTILITY CLEARANCE
IMPACT ON CONSTRUCTION

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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 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.

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

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

SPECIAL NOTES FOR UTILITY CLEARANCE
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AREA UTILITIES CONTACT LIST

<u>Utility Company/Agency</u>	<u>Contact Name</u>	<u>Contact Information</u>
KY POWER COMPANY	BILL JOHNSON	606-437-3823
AT & T KY	JACK SALYER	606-874-2715
INTER-MOUNTAIN CABLE	ROY HARLOW	606-478-6222
EQT GATHERING	CHRIS BAILEY	606-437-2271
EQT GATHERING	EMERGENCY NUMBER	1-800-926-1759
CHESAPEAKE APPALACHIA GAS	MIKE FLANNERY	606-298-3400
FRONTIER GAS COMPANY	LARRY RICH	606-886-2431
COALFIELDS TELEPHONE	JODY THOMPSON	606-478-9401
SOUTHERN WATER AND SEWER	HUBERT HALBERT	606-377-9296

SECTION 02302

RAILROAD OR HIGHWAY CROSSINGS

PART 1 GENERAL

1.01 SUMMARY

- A. This Section includes railroad or highway crossings including casing pipes for pipelines installed by (open cut), (jacking), (tunneling) or (boring) method, and installation of the carrier pipe within the casing in the location(s) and to the limits as shown on the Contract Drawings.
- B. All work shall be performed in accordance with the applicable rules and regulations of the State and Federal Codes and with the terms and conditions of the permit issued by the railroad or highway having jurisdiction.

1.02 SUBMITTALS

- A. In addition to those submittals identified in the General Provisions, the following items shall be submitted:
 - 1. Method of Installation
 - a. Following the award of the Contract, the Contractor shall submit a description of the method and equipment which is proposed to be employed in installing the casing.
 - b. A Professional Engineer licensed in the State of Kentucky shall design all sheeting and bracing at the Contractor's expense. The seal of the Professional Engineer shall appear on all drawings and design sheets submitted for review.
 - 2. Materials
 - a. Drawings and manufacturer's data of the casing materials showing compliance with this specification.
 - 3. Contractor's Data
 - a. The Contractor shall submit such data as may be required as conditions of the Railroad or Highway Permit.

1.03 QUALITY ASSURANCE

- A. Contractor's Qualifications
 - 1. The casing shall be installed by a contractor who has experience in this field of construction and can furnish a record of satisfactory performance on at least three projects for work of comparable type.

PART 2 PRODUCTS

2.01 MATERIALS AND CONSTRUCTION

A. Casings

1. The casing shall be of the size and type as shown on the Contract Drawings.
 - a. Steel pipe of the thickness specified shall have a minimum yield strength of 35,000 psi and a minimum ultimate strength of 60,000 psi. Steel casing pipe shall be uncoated .
 - b. Liner plate of the gauge specified shall be pressed steel, galvanized and bituminous coated.
 - c. Concrete pipe shall be designed for the purpose of jacking and shall be tongue and grooved.
 - d. All joints in the encasement pipe shall be of continuous solid weld.

TABLE OF MINIMUM WALL THICKNESS FOR STEEL CASING PIPE

<u>Minimum Thickness</u> <u>Inches</u>	<u>Normal Diameter</u> <u>Inches</u>
0.250	4 thru 12
0.312	14 thru 18
0.375	20 thru 24
0.500	26 thru 42

- B. The steel casing pipe for all highway crossings shall be as follows:

<u>Carrier Pipe Size</u>	<u>Casing Pipe Size</u>
2"	6"
3"	8"
4"	10"
6"	14"
8"	16"
10"	18"
12"	20
14"	24"
16"	26"
20"	30"
24"	34"
30"	40"

B. Carrier Pipes

1. The carrier pipe shall be as specified on the Contract Drawings and in accordance with the Section for the type of pipe.

C. Signs

1. Signs shall be weatherproof.

PART 3 EXECUTION

3.01 INSTALLATION

A. General

1. Unless otherwise shown or specified, the Contractor may employ any one of jacking, tunneling or boring methods within the limits shown for the installation of the casing.
 - a. The remaining portion of the casing may be constructed by open cut method in a sheeted trench.
2. Installation of the casing pipe shall be carried out without disturbance of the embankment, pavement, tracks or other railroad or highway facilities and without obstructing the passage of traffic at any time.
3. Once the jacking, tunneling or boring operation is started, it shall proceed on a 24-hour basis without interruption until completed.
4. The casing pipe shall be maintained accurately to line and grade during the installation operation.
5. The casing shall be advanced from the lower end.
6. The use of water or other liquid, except bentonite slurry with prior approval of the Engineer, to facilitate casing placement or spoil removal is prohibited.
7. Dewatering shall be in accordance with the KTC Standard Specifications.

B. Jacking

1. The jacking force shall be properly distributed through the jacking frame to the casing and parallel with the axis.
2. The soil shall be trimmed with care and shall not precede the jacking operation, to insure a minimum disturbance to the natural soils adjacent to the casing.
 - a. No augering will be allowed.

C. Tunneling

1. Excavation shall be in such a manner that voids behind the liner plates shall be held to a minimum.
2. Poling plates shall be used as necessary to prevent caving of material above the tunnel prior to liner plate installation.
 - a. Poling plates shall not be driven into the unexcavated material.
3. Liner plates shall be installed as soon as excavation proceeds the necessary distance for the next set of plates.

02302-4

4. Grout plugs shall be placed on approximately 4-foot centers, at the top, bottom and on the spring line.
 - a. Grout holes shall be not less than 1-inch diameter.
 - b. Voids between the liner plates and the excavation shall be filled with a 1:6 cement grout placed under pressure.
 - c. Not more than 6 lineal feet of tunnel shall progress beyond the grouting.
5. Tunneled casings shall have a foundation of Class "C" concrete placed for the entire length of the interior of the casing.
 - a. The leveling course shall be at such an elevation that the carrier pipe, when installed, shall be at the grade specified.

D. Boring

1. Boring shall consist of pushing the casing with an auger rotating within to remove the spoil.
2. The auger or cutting head shall not lead the casing and shall be removable from within the casing.
3. The face of the cutting head shall be arranged to provide reasonable obstruction to the free flow of soft or poor materials.

E. Pressure Carrier Pipe

1. No contact shall be permitted between the casing and the carrier pipe.
 - a. Casing spacers shall be used between the casing pipe and carrier pipe. Spacers shall be manufactured by Pipeline Seal & Insulator, Inc. (PSI) of Houston Texas, or equal and be of the type to separate dissimilar metals and keep the carrier pipe centered within the casing. The spacers shall be installed within the casing in the quantity and at the locations recommended by the manufacturer.
 - b. Both ends of the casing pipe shall be sealed with rubber boot "End Seals" by PSI or equal, held in place by stainless steel bands/clamps.

F. Non-Pressure Carrier Pipe

1. No contact shall be permitted between the casing and the carrier pipe.
 - a. Casing spacers shall be used between the casing pipe and carrier pipe. Spacers shall be manufactured by Pipeline Seal & Insulator, Inc. (PSI) of Houston Texas, or equal and be of the type to separate dissimilar metals and keep the carrier pipe centered within the casing. The spacers shall be installed within the casing in the quantity and at the locations recommended by the manufacturer.
 - e. Both ends of the casing pipe shall be sealed with rubber boot "End Seals" by PSI or equal, held in place by stainless steel bands/clamps.

-END OF SECTION-

KyTC BMP Plan for Project PCN ## - #####



Kentucky Transportation Cabinet

Highway District 12

And

_____ **(2), Construction**

Kentucky Pollutant Discharge Elimination System Permit KYR10 Best Management Practices (BMP) plan

Groundwater protection plan

For Highway Construction Activities

For

[Project Description] Minnie-Harold Connector (Section 1)

Project: PCN ## - #####

SYP Item Number: 12-301.10

KyTC BMP Plan for Project PCN ## -

Project information

Note – (1) = Design (2) = Construction (3) = Contractor

1. Owner – Kentucky Transportation Cabinet, District 12
2. Resident Engineer: (2)
3. Contractor name: (2)
Address: (2)

Phone number: (2)
Contact: (2)
Contractors agent responsible for compliance with the KPDES permit requirements (3):
4. Project Control Number (2)
5. Route (Address) KY 122 at Minnie to Little Mud Creek Road
6. Latitude/Longitude (project mid-point) 37.475000, -82.739722
7. County (project mid-point) Floyd
8. Project start date (date work will begin): (2)
9. Projected completion date: (2)

KyTC BMP Plan for Project PCN ## - #####

A. Site description:

1. Nature of Construction Activity (from letting project description) **Minnie-Harold Connector; from KY 122 at Minnie to Little Mud Creek Road (Section 1)**
2. Order of major soil disturbing activities **(2) and (3)**
3. Projected volume of material to be moved **1,430,000 cubic yards**
4. Estimate of total project area (acres) **92 acres**
5. Estimate of area to be disturbed (acres) **70 acres**
6. Post construction runoff coefficient will be included in the project drainage folder. Persons needing information pertaining to the runoff coefficient will contact the resident engineer to request this information. **No additional data.**
7. Data describing existing soil condition **No additional data**
8. Data describing existing discharge water quality (if any) **No additional data**
9. Receiving water name **Beaver Creek & Simpson Branch**
10. TMDLs and Pollutants of Concern in Receiving Waters: **(1 DEA)**
11. Site map – Project layout sheet plus the erosion control sheets in the project plans that depict Disturbed Drainage Areas (DDAs) and related information. These sheets depict the existing project conditions with areas delineated by DDA (drainage area bounded by watershed breaks and right of way limits), the storm water discharge locations (either as a point discharge or as overland flow) and the areas that drain to each discharge point. These plans define the limits of areas to be disturbed and the location of control measures. Controls will be either site specific as designated by the designer or will be annotated by the contractor and resident engineer before disturbance commences. The project layout sheet shows the surface waters and wetlands.
12. Potential sources of pollutants:

KyTC BMP Plan for Project PCN ## -

The primary source of pollutants is solids that are mobilized during storm events. Other sources of pollutants include oil/fuel/grease from servicing and operating construction equipment, concrete washout water, sanitary wastes and trash/debris. (3)

B. Sediment and Erosion Control Measures:

1. Plans for highway construction projects will include erosion control sheets that depict Disturbed Drainage Areas (DDAs) and related information. These plan sheets will show the existing project conditions with areas delineated by DDA within the right of way limits, the discharge points and the areas that drain to each discharge point. Project managers and designers will analyze the DDAs and identify Best Management Practices (BMPs) that are site specific. The balance of the BMPs for the project will be listed in the bid documents for selection and use by the contractor on the project with approval by the resident engineer.

Projects that do not have DDAs annotated on the erosion control sheets will employ the same concepts for development and managing BMP plans.

2. Following award of the contract, the contractor and resident engineer will annotate the erosion control sheets showing location and type of BMPs for each of the DDAs that will be disturbed at the outset of the project. This annotation will be accompanied by an order of work that reflects the order or sequence of major soil moving activities. The remaining DDAs are to be designated as "Do Not Disturb" until the contractor and resident engineer prepare the plan for BMPs to be employed. The initial BMP's shall be for the first phase (generally Clearing and Grubbing) and shall be modified as needed as the project changes phases. The BMP Plan will be modified to reflect disturbance in additional DDA's as the work progresses. All DDA's will have adequate BMP's in place before being disturbed.
3. As DDAs are prepared for construction, the following will be addressed for the project as a whole or for each DDA as appropriate:
 - Construction Access – This is the first land-disturbing activity. As soon as construction begins, bare areas will be stabilized with gravel and temporary mulch and/or vegetation.
 - At the beginning of the project, all DDAs for the project will be inspected for areas that are a source of storm water pollutants. Areas that are a source of pollutants will receive appropriate cover

KyTC BMP Plan for Project PCN ## -

or BMPs to arrest the introduction of pollutants into storm water. Areas that have not been opened by the contractor will be inspected periodically (once per month) to determine if there is a need to employ BMPs to keep pollutants from entering storm water.

- Clearing and Grubbing – The following BMP's will be considered and used where appropriate.
 - Leaving areas undisturbed when possible.
 - Silt basins to provide silt volume for large areas.
 - Silt Traps Type A for small areas.
 - Silt Traps Type C in front of existing and drop inlets which are to be saved
 - Diversion ditches to catch sheet runoff and carry it to basins or traps or to divert it around areas to be disturbed.
 - Brush and/or other barriers to slow and/or divert runoff.
 - Silt fences to catch sheet runoff on short slopes. For longer slopes, multiple rows of silt fence may be considered.
 - Temporary Mulch for areas which are not feasible for the fore mentioned types of protections.
 - Non-standard or innovative methods.
- Cut & Fill and placement of drainage structures - The BMP Plan will be modified to show additional BMP's such as:
 - Silt Traps Type B in ditches and/or drainways as they are completed
 - Silt Traps Type C in front of pipes after they are placed
 - Channel Lining
 - Erosion Control Blanket
 - Temporary mulch and/or seeding for areas where construction activities will be ceased for 21 days or more.
 - Non-standard or innovative methods
- Profile and X-Section in place – The BMP Plan will be modified to show elimination of BMP's which had to be removed and the addition of new BMP's as the roadway was shaped. Probably changes include:
 - Silt Trap Type A, Brush and/or other barriers, Temporary Mulch, and any other BMP which had to be removed for final grading to take place.
 - Additional Silt Traps Type B and Type C to be placed as final drainage patterns are put in place.
 - Additional Channel Lining and/or Erosion Control Blanket.
 - Temporary Mulch for areas where Permanent Seeding and Protection cannot be done within 21 days.
 - Special BMP's such as Karst Policy
- Finish Work (Paving, Seeding, Protect, etc.) – A final BMP Plan will result from modifications during this phase of construction. Probably changes include:

KyTC BMP Plan for Project PCN ## -

- Removal of Silt Traps Type B from ditches and drainways if they are protected with other BMP's which are sufficient to control erosion, i.e. Erosion Control Blanket or Permanent Seeding and Protection on moderate grades.
 - Permanent Seeding and Protection
 - Placing Sod
 - Planting trees and/or shrubs where they are included in the project
- BMP's including Storm Water Management Devices such as velocity dissipation devices and Karst policy BMP's to be installed during construction to control the pollutants in storm water discharges that will occur after construction has been completed are : None

C. Other Control Measures

1. No solid materials, including building materials, shall be discharged to waters of the commonwealth, except as authorized by a Section 404 permit.

2. Waste Materials

All waste materials that may leach pollutants (paint and paint containers, caulk tubes, oil/grease containers, liquids of any kind, soluble materials, etc.) will be collected and stored in appropriate covered waste containers. Waste containers shall be removed from the project site on a sufficiently frequent basis as to not allow wastes to become a source of pollution. All personnel will be instructed regarding the correct procedure for waste disposal. Wastes will be disposed in accordance with appropriate regulations. Notices stating these practices will be posted in the office.

3. Hazardous Waste

All hazardous waste materials will be managed and disposed of in the manner specified by local or state regulation. The contractor shall notify the Resident Engineer if there any hazardous wastes being generated at the project site and how these wastes are being managed. Site personnel will be instructed with regard to proper storage and handling of hazardous wastes when required. The Transportation Cabinet will file for generator, registration when appropriate, with the Division of Waste Management and advise the contractor regarding waste management requirements.

4. Spill Prevention

KyTC BMP Plan for Project PCN ## -

The following material management practices will be used to reduce the risk of spills or other exposure of materials and substances to the weather and/or runoff.

➤ **Good Housekeeping:**

The following good housekeeping practices will be followed onsite during the construction project.

- An effort will be made to store only enough product required to do the job
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure
- Products will be kept in their original containers with the original manufacturer's label
- Substances will not be mixed with one another unless recommended by the manufacturer
- Whenever possible, all of the product will be used up before disposing of the container
- Manufacturers' recommendations for proper use and disposal will be followed
- The site contractor will inspect daily to ensure proper use and disposal of materials onsite

➤ **Hazardous Products:**

These practices will be used to reduce the risks associated with any and all hazardous materials.

- Products will be kept in original containers unless they are not resealable
- Original labels and material safety data sheets (MSDS) will be reviewed and retained
- Contractor will follow procedures recommended by the manufacturer when handling hazardous materials
- If surplus product must be disposed of, manufacturers' or state/local recommended methods for proper disposal will be followed

The following product-specific practices will be followed onsite:

➤ **Petroleum Products:**

Vehicles and equipment that are fueled and maintained on site will be monitored for leaks, and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products onsite will be stored in tightly sealed containers, which are clearly labeled and will be protected from exposure to weather.

KyTC BMP Plan for Project PCN ## -

The contractor shall prepare an Oil Pollution Spill Prevention Control and Countermeasure plan when the project that involves the storage of petroleum products in 55 gallon or larger containers with a total combined storage capacity of 1,320 gallons. This is a requirement of 40 CFR 112.

This project (will / will not) (3) have over 1,320 gallons of petroleum products with a total capacity, sum of all containers 55 gallon capacity and larger.

➤ **Fertilizers:**

Fertilizers will be applied at rates prescribed by the contract, standard specifications or as directed by the resident engineer. Once applied, fertilizer will be covered with mulch or blankets or worked into the soil to limit exposure to storm water. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

➤ **Paints:**

All containers will be tightly sealed and stored indoors or under roof when not being used. Excess paint or paint wash water will not be discharged to the drainage or storm sewer system but will be properly disposed of according to manufacturers' instructions or state and local regulations.

➤ **Concrete Truck Washout:**

Concrete truck mixers and chutes will not be washed on pavement, near storm drain inlets, or within 75 feet of any ditch, stream, wetland, lake, or sinkhole. Where possible, excess concrete and wash water will be discharged to areas prepared for pouring new concrete, flat areas to be paved that are away from ditches or drainage system features, or other locations that will not drain off site. Where this approach is not possible, a shallow earthen wash basin will be excavated away from ditches to receive the wash water

➤ **Spill Control Practices**

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

- Manufacturers' recommended methods for spill cleanup will be clearly posted. All personnel will be made aware of procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area. Equipment and materials will include as

KyTC BMP Plan for Project PCN ## -

- appropriate, brooms, dust pans, mops, rags, gloves, oil absorbents, sand, sawdust, and plastic and metal trash containers.
- All spills will be cleaned up immediately after discovery.
 - The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
 - Spills of toxic or hazardous material will be reported to the appropriate state/local agency as required by KRS 224 and applicable federal law.
 - The spill prevention plan will be adjusted as needed to prevent spills from reoccurring and improve spill response and cleanup.
 - Spills of products will be cleaned up promptly. Wastes from spill clean up will be disposed in accordance with appropriate regulations.

D. Other State and Local Plans

This BMP plan shall include any requirements specified in sediment and erosion control plans, storm water management plans or permits that have been approved by other state or local officials. Upon submittal of the NOI, other requirements for surface water protection are incorporated by reference into and are enforceable under this permit (even if they are not specifically included in this BMP plan). This provision does not apply to master or comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit issued for the construction site by state or local officials. **None**

E. Maintenance

1. The BMP plan shall include a clear description of the maintenance procedures necessary to keep the control measures in good and effective operating condition.
- Maintenance of BMPs during construction shall be a result of weekly and post rain event inspections with action being taken by the contractor to correct deficiencies.
 - Post Construction maintenance will be a function of normal highway maintenance operations. Following final project acceptance by the cabinet, district highway crews will be responsible for identification and correction of deficiencies regarding ground cover and cleaning of storm water BMPs. The project manager shall identify any BMPs that will be for the purpose of post construction storm water management with specific guidance for any non-routine maintenance. **None**

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F. Inspections

Inspection and maintenance practices that will be used to maintain erosion and sediment controls:

- All erosion prevention and sediment control measures will be inspected at least once each week and following any rain of one-half inch or more.
- Inspections will be conducted by individuals that have received KyTC Grade Level II training or other qualification as prescribed by the cabinet that includes instruction concerning sediment and erosion control.
- Inspection reports will be written, signed, dated, and kept on file.
- Areas at final grade will be seeded and mulched within 14 days.
- Areas that are not at final grade where construction has ceased for a period of 21 days or longer and soil stock piles shall receive temporary mulch no later than 14 days from the last construction activity in that area.
- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of being reported.
- Built-up sediment will be removed from behind the silt fence before it has reached halfway up the height of the fence.
- Silt fences will be inspected for bypassing, overtopping, undercutting, depth of sediment, tears, and to ensure attachment to secure posts.
- Sediment basins will be inspected for depth of sediment, and built-up sediment will be removed when it reaches 70 percent of the design capacity and at the end of the job.
- Diversion dikes and berms will be inspected and any breaches promptly repaired. Areas that are eroding or scouring will be repaired and re-seeded / mulched as needed.
- Temporary and permanent seeding and mulching will be inspected for bare spots, washouts, and healthy growth. Bare or eroded areas will be repaired as needed.
- All material storage and equipment servicing areas that involve the management of bulk liquids, fuels, and bulk solids will be inspected weekly for conditions that represent a release or possible release of pollutants to the environment.

G. Non – Storm Water discharges

It is expected that non-storm water discharges may occur from the site during the construction period. Examples of non-storm water discharges include:

KyTC BMP Plan for Project PCN ## -

- Water from water line flushings.
- Water from cleaning concrete trucks and equipment.
- Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred).
- Uncontaminated groundwater and rain water (from dewatering during excavation).

All non-storm water discharges will be directed to the sediment basin or to a filter fence enclosure in a flat vegetated infiltration area or be filtered via another approved commercial product.

H. Groundwater Protection Plan (3)

This plan serves as the groundwater protection plan as required by 401 KAR 5:037.

- Contractors statement: (3)

The following activities, as enumerated by 401 KAR 5:037 Section 2 that require the preparation and implementation of a groundwater protection plan, will or may be may be conducted as part of this construction project:

_____ 2. (e) land treatment or land disposal of a pollutant;

_____ 2. (f) Storing, ..., or related handling of hazardous waste, solid waste or special waste, ..., in tanks, drums, or other containers, or in piles, (This does not include wastes managed in a container placed for collection and removal of municipal solid waste for disposal off site);

_____ 2. (g) Handling of materials in bulk quantities (equal or greater than 55 gallons or 100 pounds net dry weight transported held in an individual container) that, if released to the environment, would be a pollutant;

_____ 2. (j) Storing or related handling of road oils, dust suppressants,, at a central location;

_____ 2. (k) Application or related handling of road oils, dust suppressants or deicing materials, (does not include use of chloride-based deicing materials applied to roads or parking lots);

_____ 2. (m) Installation, construction, operation, or abandonment of wells, bore holes, or core holes, (this does not include bore holes for the purpose of explosive demolition);

KyTC BMP Plan for Project PCN ## -

Or, check the following only if there are no qualifying activities

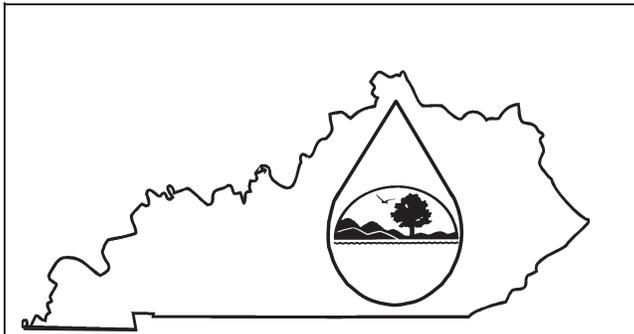
_____ There are no activities for this project as listed in 401 KAR 5:037 Section 2 that require the preparation and implementation of a groundwater protection plan.

The contractor is responsible for the preparation of a plan that addresses the

401 KAR 5:037 Section 3. (3) Elements of site specific groundwater protection plan:

- (a) General information about this project is covered in the Project information;
- (b) Activities that require a groundwater protection plan have been identified above;
- (c) Practices that will protect groundwater from pollution are addressed in section C. Other control measures.
- (d) Implementation schedule – all practices required to prevent pollution of groundwater are to be in place prior to conducting the activity;
- (e) Training is required as a part of the ground water protection plan. All employees of the contractor, sub-contractor and resident engineer personnel will be trained to understand the nature and requirements of this plan as they pertain to their job function(s). Training will be accomplished within one week of employment and annually thereafter. A record of training will be maintained by the contractor with a copy provide to the resident engineer.
- (f) Areas of the project and groundwater plan activities will be inspected as part of the weekly sediment and erosion control inspections
- (g) Certification (see signature page.)

FORM NOI-SWCA



KENTUCKY POLLUTION DISCHARGE ELIMINATION SYSTEM (KPDES)

**Notice of Intent (NOI) for coverage of Storm Water
 Discharges Associated with Construction Activities Under
 the KPDES Storm Water General Permit KYR100000**

This is an application for:

- New construction activity.
- Modification of coverage for additional area in same watershed.
- Modification of coverage for additional area in different watershed.

If Modification is checked, state reason for Modification:

For Agency Use	Permit No. (Leave Blank)	K	Y	R	1	0				
For Agency Use	AI ID (Leave Blank)									

SECTION I – FACILITY OPERATOR INFORMATION

Operator Name(s):*KYTC District 12	Phone:* 606-433-7791
Mailing Address:* 109 Loraine Street	Status of Owner/Operator: <input type="checkbox"/> Private <input checked="" type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Public(other than state or federal)
City:* Pikeville	State:* KY
	Zip Code:*41501

SECTION II – FACILITY/SITE LOCATION INFORMATION

Name of Project:* PCN ##-#### , SYP Item Number: 12-301.10	Physical Address:* KY 122	City:* Minnie
State:* KY	Zip Code:* 41651	County:* Floyd
Latitude (decimal degrees):*37.475000	Longitude (decimal degrees):*-82.739722	SIC Code:* 1611

SECTION III – SITE ACTIVITY INFORMATION

For single projects provide the following information

Total Number of acres in project:* 92	Total Number of acres to be disturbed:* 70	Start date:	Completion date:
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For common plans of development projects provide the following information

Total Number of acres in project:*	Number of individual lots in development:	Number of lots to be developed:
Total acreage intended to be disturbed:*	Number of acres intended to be disturbed at any one time:	
Start date:	Completion date:	List Contractors:

SECTION IV – DISCHARGE TO A WATER BODY

Name of Receiving Water:* Beaver Creek	Anticipated number of discharge points: 6
Location of anticipated discharge points: Latitude (decimal degrees):*	Longitude (decimal degrees):*
Receiving Water Body Stream Use Designation	<input type="checkbox"/> Cold Water Aquatic Habitat <input type="checkbox"/> Domestic Water Supply <input type="checkbox"/> Outstanding State Resource Water <input checked="" type="checkbox"/> Secondary Contact Recreation <input checked="" type="checkbox"/> Primary Contact Recreation <input checked="" type="checkbox"/> Warm Water Aquatic Habitat
Antidegradation Categorization	<input type="checkbox"/> Outstanding National Resource Water <input type="checkbox"/> Exceptional Water <input checked="" type="checkbox"/> High Quality Water <input type="checkbox"/> Impaired Water
Name of Receiving Water:* Simpson Branch	Anticipated number of discharge points: 11
Location of anticipated discharge points: Latitude (decimal degrees):*	Longitude (decimal degrees):*
Receiving Water Body Stream Use Designation	<input type="checkbox"/> Cold Water Aquatic Habitat <input type="checkbox"/> Domestic Water Supply <input type="checkbox"/> Outstanding State Resource Water <input checked="" type="checkbox"/> Secondary Contact Recreation <input checked="" type="checkbox"/> Primary Contact Recreation <input checked="" type="checkbox"/> Warm Water Aquatic Habitat
Antidegradation Categorization	<input type="checkbox"/> Outstanding National Resource Water <input type="checkbox"/> Exceptional Water <input checked="" type="checkbox"/> High Quality Water <input type="checkbox"/> Impaired Water

FORM NOI-SWCA

SECTION V – DISCHARGE TO AN MS4			
Name of MS4:		Date of application /notification to the MS4 for construction site coverage:	
Number of discharge points:	Location of each discharge point: Latitude (decimal degrees):*		Longitude (decimal degrees):*
SECTION VI – CONSTRUCTION ACTIVITIES IN OR ALONG A WATER BODY			
Will the project require construction activities in a water body or the riparian zone: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, describe scope of activity: Impacts associated with construction of new road.			
Is a Clean Water Act 404 permit required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Is a Clean Water Act 401 Water Quality Certification required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
SECTION VII – NOI PREPARER INFORMATION			
First Name:*	Last Name:*	Phone :*	eMail Address:*
Mailing Address:*	City:*	State:*	Zip Code:*
SECTION VIII – ATTACHMENTS			
Attach a full size color USGS 7½-minute quadrangle map with the facility site clearly marked. USGS maps may be obtained from the University of Kentucky, Mines and Minerals Bldg. Room 106, Lexington, Kentucky 40506. Phone number (859) 257-3896.			
SECTION IX – CERTIFICATION			
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.			
Signature:*	First Name:* Mary		Last Name:* Holbrook
Phone:* 606-433-7791	eMail Address:MaryW.Holbrook@ky.gov		Date:*

This completed application form and attachments should be sent to: SWP Branch, Division of Water, 200 Fair Oaks, Frankfort, Kentucky 40601. Questions should be directed to: SWP Branch, Operational Permits Section at (502) 564-3410.

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM FORM NOI-SWCA – INSTRUCTIONS

WHO MUST FILE A NOTICE OF INTENT (NOI) FORM

Federal law at 40 CFR Part 122 prohibits point source discharges of stormwater associated with industrial activity to a water body of the Commonwealth of Kentucky without a Kentucky Pollutant Discharge Elimination System (KPDES) permit. The operator of an industrial activity that has such a storm water discharge must submit a NOI to obtain coverage under the KPDES Storm Water General Permit. If you have questions about whether you need a permit under the KPDES Storm Water program, or if you need information as to whether a particular program is administered by the state agency, call the **Storm Water Contact, Operational Permits Section, Kentucky Division of Water at (502) 564-3410.**

WHERE TO FILE NOI FORM

NOIs must be sent to the following address or submitted in on-line at <https://dep.gateway.ky.gov/eForms/Default.aspx?FormID=3>:

Operational Permits Section
SWP Branch, Division of Water
200 Fair Oaks Lane
Frankfort, KY 40601

Electronic NOI-SWCAs are to be submitted a minimum of seven (7) working days prior to commencement of construction related activities. Paper NOI-SWCAs are to be submitted a minimum of thirty (30) working days prior to commencement of construction related activities.

COMPLETING THE FORM

Enter information in the appropriate areas only. (*) denotes a required field. Enter N/A (Not Applicable) for fields that are required but do not apply to your submission. If you have any questions regarding the completion of this form call the **Storm Water Contact, Operational Permits Section, at (502) 564-3410.**

SECTION I – FACILITY OPERATOR INFORMATION

Operator Name(s): Enter the name or names of all operators applying for coverage under KYR10 using this NOI.
Mailing Address, City, State, and Zip Code: Provide the mailing address of the primary operator
Phone No.: Provide the telephone numbers of the person who is responsible for the operation.
Status of Owner/Operator: Select the appropriate legal status of the operator of the facility from the dropdown list.

Federal
Public (other than federal or state)
State
Private

SECTION II – FACILITY/SITE LOCATION INFORMATION

Name of Project: Provide the name of the project.
Physical Address, City, State, Zip Code and County: Provide the physical address of the project.
Latitude/Longitude: Provide the general site latitude and longitude of the operation.
SIC Code: Enter the Standard Industrial Code for the project

SECTION III – SITE ACTIVITY INFORMATION

For single projects provide the following information:

Total number of acres in project: Indicate the total acreage of the project including both disturbed and undisturbed areas.
Total number of acres to be disturbed: Indicate the total number of acres of the project to be disturbed.
Anticipated start date: Indicate the approximate date of when construction activities will begin.
Anticipated completion date: Indicated the approximate date of when final stabilization will be achieved.

For common plans of development provide the following information:

Total number of acres in project: Indicate the total acreage of the project including both disturbed and undisturbed areas.
Number of individual lots in development, if applicable: Indicate the number of individual lots or unit in the common plan of development
Number of lots to be developed: Indicate the number of lots that you intend to develop.
Total acreage of lots intended to develop: Indicate the total acreage of the lots you intend to develop
Total acreage intended to disturb: Indicate the total acreage of the lots you intend to disturb
Number of acres intended to disturb at any one time: Indicate the maximum number of acres to be disturbed at any one time.
Anticipated start date: Indicate the approximate date of when construction activities will begin.
Anticipated completion date: Indicated the approximate date of when final stabilization will be achieved.
List of contractors: Provide the names of all known contractors that will be working on site.

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM FORM NOI-SWCA – INSTRUCTIONS

SECTION IV – IF THE PERMITTED SITE DISCHARGES TO A WATER BODY THE FOLLOWING INFORMATION IS REQUIRED

Name of Receiving Water: Provide the names of the each water body receiving discharges from the site. Provide only official USGS names do not provide local names

Anticipated number of discharge points: Indicate the number of discharge points to each receiving water body.

Location of anticipated discharge points: Provide the latitude and longitude of each discharge point. Add points as necessary.

Receiving Water Body Stream Use Designation: Check all appropriate boxes

Antidegradation Categorization: Select from the drop down box one of the following:

Outstanding National Resource Water

Exceptional Water

High Quality Water

Impaired Water

SECTION V – IF THE PERMITTED SITE DISCHARGES TO A MS4 THE FOLLOWING INFORMATION IS REQUIRED

Name of MS4: Provide the name of the MS4 to which the activity will discharge

Number of discharge points to the MS4: Indicate the number of discharge points

Location of each discharge point: Provide the latitude and longitude of each discharge point. Add points as necessary

Date of application/notification to the MS4 for construction site permit coverage: Indicate the date the MS4 has or will be notified.

SECTION VI – CONSTRUCTION ACTIVITIES IN OR ALONG A WATER BODY

Will the project require construction activities in a water body or the riparian zone: Select Yes or No from the drop down box.

If Yes, describe scope of activity: Provide a brief description of the activity (ies) that will take place in the water body or the riparian zone.

Is a Clean Water Act 404 permit required: Select Yes or No from the drop down box.

Is a Clean Water Act 401 Water Quality Certification required: Select Yes or No from the drop down box.

SECTION VII – NOI PREPARER INFORMATION

Provide the name, mailing address, telephone number and eMail address of the person preparing the NOI.

SECTION VIII – Attachments

Attach a USGS topographic map indicating the location of the activity and the proposed discharge points.

SECTION IX – CERTIFICATION

Provide the name, mailing address, telephone number and eMail address of the person who is responsible for the activity

Signature: Provide full name of the responsibility party. This will constitute a signature.

The NOI must be signed as follows:

Corporation: by a principal executive officer of at least the level of vice president

Partnership or sole proprietorship: by a general partner or the proprietor respectively

Minnie to Harold		
Section 1		
Discharge Point Table		
Discharge Point	Latitude	Longitude
1	37.471737	82.759374
2	37.472078	82.757370
3	37.472194	82.754740
4	37.474914	82.753407
5	37.473276	82.751479
6	37.474257	82.750106
7	37.475799	82.744366
8	37.477161	82.742697
9	37.476279	82.742825
10	37.474353	82.739831
11	37.473530	82.738953
12	37.473189	82.736195
13	37.472658	82.735107
14	37.471973	82.731372
15	37.472303	82.729411
16	37.472632	82.728257
17	37.472723	82.727465

Stream

Beaver

Beaver

Beaver

Beaver

Beaver

Beaver

Beaver

Simpson Br.

KENTUCKY TRANSPORTATION CABINET
COMMUNICATING ALL PROMISES (CAP)

FLOYD COUNTY

12-301.10

(NO CAPS INVOLVED IN PROJECT)

October 25, 2012

NOTICE

DEPARTMENT OF THE ARMY

CORPS OF ENGINEERS

“Pending” Letter of Permission (LOP)

KY DIVISION OF WATER

“Pending” Water Quality Certification (WQC)

PROJECT: Floyd County, Item 12-301.10
Minnie to Harold – Section 1

THIS SHALL SERVE AS A NOTICE TO THE CONTRACTOR THAT A DEPARTMENT OF THE ARMY SECTION 404 LOP PERMIT AND A KY DIVISION OF WATER WQC ARE REQUIRED AND ARE **PENDING APPROVAL** FOR PORTIONS OF THIS PROJECT. THIS NOTICE IS FOR INFORMATIONAL PURPOSES ONLY AND SHALL BE SUPERSEDED UPON RECEIPT OF THE APPROVED LOP PERMIT AND WQC.

THE CONTRACTOR **SHALL NOT** PERFORM THE PROPOSED WORK AS LISTED WITHIN THE “SUMMARY OF IMPACTS”, WHICH INVOLVES IMPACTS TO WATERS OF THE UNITED STATES, UNTIL THE KENTUCKY TRANSPORTATION CABINET HAS SECURED THE APPROPRIATE APPROVALS AND HAS PROVIDED COPIES OF THESE APPROVALS TO THE CONTRACTOR.

SUMMARY OF SECTION 404 IMPACTS For a Letter Of Permission

Floyd County
KY680 Re-alignment, Section 1
Item No. 12-301.10

(Stationing is along mainline unless noted otherwise)

Station 32+12 – 35+72
See attached sheet R3

Construct a controlled fill impacting **392** feet of an **ephemeral** stream (U.T. of Sizemore Branch). This segment of stream will be filled with excavated material and the drainage conveyed through a constructed roadside channel. The drainage area is **3.9 acres** and the impact is **0.004 acres**.
Lat./Long.: 37.472194, -82.758667

Station 35+72
See attached sheet R5

Construct 53 linear feet of 24 inch pipe culvert extension under the road. The inlet area of the pipe culvert will have Class IV channel lining and will impact an additional 21 feet. A total of approximately **74** feet of an **ephemeral** stream (U.T. to Sizemore Branch) will be impacted; measuring **0.001 acres**. The drainage area at the culvert pipe is **11.9 acres**.
Lat./Long.: 37.472361, -82.757417

Station 41+47
See attached sheet R5

Construct 130 linear feet of 18 inch pipe culvert under the road; with 41 feet of inlet and 58 feet of outlet channel. A total of approximately **249** feet of an **ephemeral** stream (U.T. to Sizemore Branch) will be impacted; measuring **0.005 acres**. The drainage area at the culvert pipe is **2.8 acres**.
Lat./Long.: 37.472667, -82.755472

Station 48+82 -
KY122, Station 47+76
See attached sheet R5, 7

Construct 124 linear feet of 42 inch pipe culvert under the road; with 53 feet of Class IV lined inlet area, and 740 feet of partially lined (Class IV) outlet area. This replaces 71 feet of 30 inch pipe culvert. A total of approximately **438** feet of an **intermittent** stream (U.T. to Left Fork Beaver Creek), measuring **0.035 acres**, and **0.209 acres** of **wetland** will be impacted. The drainage area is **15.7 acres**.
Lat./Long.: 37.489483, -82.672562

Right Station 48+90
(KY122, Station 45+22)
See attached sheet R5, 35

Construct 74 linear feet of 30 inch pipe culvert, 48 feet of 2 foot wide channel, and 82 linear feet of 24 inch pipe culvert; redirecting flow to the culvert at Station 47+76. This replaces 31 linear feet of 24 inch pipe culvert under the road. A total of approximately **266** feet of **ephemeral** stream (U.T. to Left Fork Beaver Creek) will be impacted; measuring **0.008** acres. The drainage area is **13.4 acres**.
Lat./Long.: 37.474417, -82.754083

Station 49+77 – 75+75
See attached sheet R5, 7, 9

Construct a 2590.3' X 55' wide 21-span PCIB bridge over Left Fork Beaver Creek. Pier 15 is below the ordinary high water mark, impacting **0.004 acres** of the **perennial** stream. Cyclopean rip-rap will be used around the abutment slopes to reduce scour during large flood events. Construction of Piers 1 and 2 will impact approximately **0.007** acres of **wetlands**, Pier 7 will impact approximately **0.002 acres** of **wetlands**, and the eastern abutment will impact approximately **0.248 acres** of **wetlands**. The drainage area at the bridge is **55.68 square miles**. A temporary crossing may be constructed. It will be built to accommodate a 2-year storm event, with excess flow designed to overtop the structure, with the structure remaining intact.
Lat./Long.: 37.475556, -82.746944

Station 57+50
See attached sheet R7

Construct a 3-foot wide lined (Class IV) channel impacting **147'** of an **ephemeral** U.T. to Left Fork Beaver Creek. This stream appears to be a constructed storm-water drainage ditch. The drainage area is **4.2 acres** and the impact is **0.007 acres**.
Lat./Long.: 37.474639, -82.750639

Station 57+99
See attached sheet R7

Construct a 3-foot wide line (Class IV) channel impacting **144'** of an **ephemeral** U.T. to Left Fork Beaver Creek. This stream appears to be a constructed storm-water drainage ditch. The drainage area is **4.0 acres** and the impact is **0.009 acres**.
Lat./Long.: 37.474611, -82.750389

Left Station 80+50,
(Entrance Rd. Sta. 51+42)
See attached sheet R11

Construct 97 linear feet of 14' X 7' box culvert under an entrance road. The inlet area will have 17 feet of Class IV channel lining; the outlet area will have 24 feet of Class IV channel lining. This replaces 34 linear feet of 84 inch pipe culvert. A total of **150** linear feet of **perennial** stream (Simpson Branch) will be impacted; measuring **0.028 acres**. The drainage area is **1227 acres**.
Lat./Long.: 37.476062, -82.742651

Left Station 81+60
(Approach Rd. Sta 43+25)
See attached sheet R11

Construct 108 linear feet of 18 inch pipe culvert. The inlet area will have 41 feet of Class IV channel lining; the outlet area will have 80 feet of Class IV channel lining. This replaces 25 feet of 18 inch pipe culvert and **189** feet of an **ephemeral** U.T. to Simpson Branch. The drainage area is **2.2 acres** and the impact is **0.006 acres**.
Lat./Long.: 37.476250, -82.742333

Station 82+68
See attached sheet R11

Construct 307 linear feet of 14' X 7' box culvert under the road. The inlet area will have 70 feet of Class IV channel lining; the outlet area will have 45 feet of Class IV channel lining. A total of **531** linear feet of **perennial** stream (Simpson Branch) will be impacted; measuring **0.098 acres**. The drainage area is **1185 acres**.
Lat./Long.: 37.475444, -82.741861

Left Station 86+00
(Approach Rd. Sta. 48+50)
See attached sheet R11

Construct 108 linear feet of 30 inch pipe culvert. The inlet area will have 22 feet of Class IV channel lining; the outlet area will have 376 feet of Class IV channel lining. A total of **576** feet of an **ephemeral** U.T. to Simpson Branch will be impacted; measuring **0.020 acres**. The drainage area is **20.0 acres**.
Lat./Long.: 37.475742, -82.742107

Station 90+00
See attached sheet R11

Construct 98 linear feet of 30 inch pipe culvert, with a drop inlet, under the road. The outlet area will have 135 feet of Class IV channel lining. A total of **258'** of an **intermittent** U.T. to Simpson Branch; measuring **0.016 acres**, and **0.022 acres** of **wetlands** will be impacted. The drainage area is **5.1 acres**.
Lat./Long.: 37.474318, -82.739814

Station 101+75
See attached sheet R13

Construct 214 linear feet of 72 inch pipe culvert under the road. The inlet area will have 45 feet of Class IV channel lining while the outlet area will have 50 feet of Class IV channel lining. A total of **483'** of a **perennial** stream (Polly Spencer Branch, a tributary to Simpson Branch) will be impacted; measuring **0.090 acres**. The drainage area is **244.8 acres**.
Lat./Long.: 37.473136, -82.736289

Station 116+13
See attached sheet R15

Construct 169 linear feet of 24 inch pipe culvert under the road. The inlet area will have 19 feet of Class IV channel lining while the outlet area will have 64 feet of Class IV channel lining. A total of **191'** of an **ephemeral** stream (U.T. to Simpson Branch) will be impacted; measuring **0.007 acres**. The drainage area is **8.6 acres**.
Lat./Long.: 37.472129, -82.731138

Right Station 119+00
See attached sheet R15

Construct a controlled fill impacting **0.165 acres** of **pond**. The pond will be filled with excavated material.
Lat./Long.: 37.472363, -82.730086

Station 120+94
See attached sheet R15

Construct 200 linear feet of 24 inch pipe culvert under the road. The inlet area will have 30 feet of Class IV channel lining, with 55 feet of Class IV lined outlet/inlet channel leading to another 31 linear feet of 24 inch pipe culvert under Simpson Branch Road with 3 feet of Class IV lined outlet channel. A total of **286'** of an **ephemeral** stream (U.T. to Simpson Branch) will be impacted; measuring **0.007 acres**. The drainage area is **11.2 acres**.
Lat./Long.: 37.472605, -82.729250

Station 125+00
See attached sheet R15, 17

Construct 92 linear feet of 18 inch pipe culvert under the road. The inlet area consists of two, Class IV lined, channels totaling 163 feet. The outlet area will have 138 feet of Class IV channel lining. A total of **137'** of an **ephemeral** stream (U.T. to Simpson Branch) will be impacted; measuring **0.006 acres**. The lower reach of the ephemeral lacks a defined channel, and sheet flows to Simpson Branch. The drainage area is **6.7 acres**.
Lat./Long.: 37.472626, -82.728275

Left Station 129+00
(Approach Rd. Sta. 46+68)
See attached sheet R17

Construct 85 linear feet of 24 inch pipe culvert under the approach road. The inlet area will have 18 feet of Class IV channel lining, while the outlet area will have 35 feet of Class IV channel lining. A total of **108'** of an **ephemeral** stream (U.T. to Simpson Branch) will be impacted; measuring **0.003 acres**. The drainage area is **15.2 acres**.

Lat./Long.: 37.473481, -82.726266

Station 129+72
See attached sheet R17

Construct 405 linear feet of 9' X 6' box culvert under the road. The inlet area will have 21 feet of Class IV channel lining, while the outlet area will have 40 feet of Class IV channel lining. A total of **483'** of **perennial** stream (Simpson Branch) will be impacted; measuring **0.177 acres**. The drainage area is **613.6 acres**.

Lat./Long.: 37.472750, -82.727528

Station 131+00 – 160+25
See attached sheet R17, 19, 21

Construct a controlled road embankment fill impacting **1193'** of **perennial**, **1751'** of **intermittent** and **289'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.192 acres**, **0.081 acres** and **0.011 acres**, respectively. This segment of stream will be filled with excavated material and the drainage conveyed through two, Class IV lined, constructed channels on both side of the road. The drainage area is **188.1 acres**.

Lat./Long.: 37.473059, -82.726334

Right Station 134+68
See attached sheet R17

Construct a controlled fill impacting **215'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.010 acres**. Drainage will be diverted to a road side channel. The drainage area is **12.0 acres**.

Lat./Long.: 37.472291, -82.725062

Left Station 138+42
See attached sheet R17

Construct a controlled fill impacting **143'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.007 acres**. Drainage will be diverted to a road side channel. The drainage area is **4.0 acres**.

Lat./Long.: 37.471761, -82.724117

Left Station 140+65
See attached sheet R19

Construct a controlled fill impacting **221'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.013 acres**. Drainage will be diverted to a road side channel. The drainage area is **5.1 acres**.
Lat./Long.: 37.471461, -82.723590

Right Station 141+14
See attached sheet R19

Construct a controlled fill impacting **479'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.022 acres**. Drainage will be diverted to 359 feet of Class IV lined channel, leading to a road side channel. The drainage area is **22.9 acres**.
Lat./Long.: 37.471289, -82.723250

Right Station 142+52
See attached sheet R19

Construct a controlled fill impacting **335'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.023 acres**. Drainage will be diverted to 160 feet of Class IV lined channel, leading to a road side channel. The drainage area is **21.7 acres**.
Lat./Long.: 37.471042, -82.722778

Left Station 145+46
See attached sheet R19

Construct a controlled fill impacting **266'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.006 acres**. Drainage will be diverted to 84 feet of Class IV lined channel, leading to a road side channel. The drainage area is **5.8 acres**.
Lat./Long.: 37.470790, -82.721896

Left Station 148+56
See attached sheet R19

Construct a controlled fill impacting **153'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.011 acres**. Drainage will be diverted to 36 feet of Class IV lined channel, leading to a road side channel. The drainage area is **5.4 acres**.
Lat./Long.: 37.470543, -82.721049

Left Station 149+46
See attached sheet R19

Construct a controlled fill impacting **120'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.006 acres**. Drainage will be diverted to a road side channel. The drainage area is **6.4 acres**.
Lat./Long.: 37.470389, -82.720639

Left Station 150+76 –
Right 154+27
See attached sheet R19

Construct a controlled fill impacting **578'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.017 acres**. Drainage will be diverted to a road side channel. The drainage area is **11.8 acres**.
Lat./Long.: 37.470186, -82.720292

Left Station 150+87
See attached sheet R19

Construct a controlled fill impacting **88'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.003 acres**. Drainage will be diverted to a road side channel. The drainage area is **0.3 acres**.
Lat./Long.: 37.470167, -82.720306

Left Station 154+18
See attached sheet R19

Construct a controlled fill impacting **131'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.004 acres**. Drainage will be diverted to a road side channel. The drainage area is **0.9 acres**.
Lat./Long.: 37.469583, -82.719167

Left Station 156+78
See attached sheet R21

Construct a controlled fill impacting **159'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.005 acres**. The drainage area is **0.5 acres**.
Lat./Long.: 37.469083, -82.718944

Left Station 158+34
See attached sheet R21

Construct a controlled fill impacting **435'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.024 acres**. The drainage area is **4.2 acres**.
Lat./Long.: 37.468611, -82.718250

Left Station 164+21
See attached sheet R21

Construct a controlled fill impacting **102'** of **ephemeral** stream (U.T. to Simpson Branch); measuring **0.004 acres**. The drainage area is **3.8 acres**.
Lat./Long.: 37.467855, -82.717637

Station 171+50
See attached sheet R23

Construct 108 linear feet of 24 inch pipe culvert under the road. The inlet area will have 160 feet of Class IV lined channel. The outlet area will have 300 feet of Class IV channel lining. A total of **276'** of an **ephemeral** stream and **188'** of **intermittent** stream (Middle Branch Frasure Creek) will be impacted; measuring **0.019 acres** and **0.013 acres**, respectively. The drainage area is **35.7 acres**.
Lat./Long.: 37.465437, -82.715449

Station 175+50
See attached sheet R23

Construct 126 linear feet of 30 inch pipe culvert under the road. The outlet area will have 565 feet of Class IV channel lining. A total of **525'** of an **ephemeral** stream (U.T. to Middle Branch Frasure Creek) will be impacted; measuring **0.024 acres**. The drainage area is **15.6 acres**.
Lat./Long.: 37.465845, -82.714676

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 2012 with the 2012 Revision*.

**Supplemental Specifications to the
 Standard Specifications for Road and Bridge Construction, 2012 Edition
 Effective with the December 14, 2012 Letting**

Subsection:	206.04.01 Embankment-in-Place.
Revision:	Replace the fourth paragraph with the following: The Department will not measure suitable excavation included in the original plans that is disposed of for payment and will consider it incidental to Embankment-in-Place.
Subsection:	213.03.02 Progress Requirements.
Revision:	Replace the last sentence of the third paragraph with the following: Additionally, the Department will apply a penalty equal to the liquated damages when all aspects of the work are not coordinated in an acceptable manner within 7 calendar days after written notification.
Subsection:	402.03.02 Contractor Quality Control and Department Acceptance.
Part:	D) Testing Responsibilities.
Number:	4) Density.
Revision:	Replace the second sentence of the Option A paragraph with the following: Perform coring by the end of the following work day.
Subsection:	403.02.10 Material Transfer Vehicle (MTV).
Revision:	Replace the first sentence with the following: In addition to the equipment specified above, provide a MTV with the following minimum characteristics:
Subsection:	412.02.09 Material Transfer Vehicle (MTV).
Revision:	Replace the paragraph with the following: Provide and utilize a MTV with the minimum characteristics outlined in section 403.02.10.
Subsection:	412.03.07 Placement and Compaction.
Revision:	Replace the first paragraph with the following: Use a MTV when placing SMA mixture in the driving lanes. The MTV is not required on ramps and/or shoulders unless specified in the contract. When the Engineer determines the use of the MTV is not practical for a portion of the project, the Engineer may waive its requirement for that portion of pavement by a letter documenting the waiver.
Subsection:	412.04 MEASUREMENT.
Revision:	Add the following subsection: 412.04.03. Material Transfer Vehicle (MTV). The Department will not measure the MTV for payment and will consider its use incidental to the asphalt mixture.
Subsection:	606.03.17 Special Requirements for Latex Concrete Overlays.
Part:	A) Existing Bridges and New Structures.
Number:	1) Prewetting and Grout-Bond Coat.
Revision:	Add the following sentence to the last paragraph: Do not apply a grout-bond coat on bridge decks prepared by hydrodemolition.

**Supplemental Specifications to the
 Standard Specifications for Road and Bridge Construction, 2012 Edition
 Effective with the December 14, 2012 Letting**

Subsection:	609.03 Construction.
Revision:	Replace Subsection 609.03.01 with the following: 609.03.01 A) Swinging the Spans. Before placing concrete slabs on steel spans or precast concrete release the temporary erection supports under the bridge and swing the span free on its supports. 609.03.01 B) Lift Loops. Cut all lift loops flush with the top of the precast beam once the beam is placed in the final location and prior to placing steel reinforcement. At locations where lift loops are cut, paint the top of the beam with galvanized or epoxy paint.
Subsection:	613.03.01 Design.
Number:	2)
Revision:	Replace "AASHTO Standard Specifications for Highway Bridges" with "AASHTO LRFD Bridge Design Specifications"
Subsection:	615.06.02
Revision:	Add the following sentence to the end of the subsection. The ends of units shall be normal to walls and centerline except exposed edges shall be beveled ¾ inch.
Subsection:	615.06.03 Placement of Reinforcement in Precast 3-Sided Units.
Revision:	Replace the reference of 6.6 in the section to 615.06.06.
Subsection:	615.06.04 Placement of Reinforcement for Precast Endwalls.
Revision:	Replace the reference of 6.7 in the section to 615.06.07.
Subsection:	615.06.06 Laps, Welds, and Spacing for Precast 3-Sided Units.
Revision:	Replace the subsection with the following: Tension splices in the circumferential reinforcement shall be made by lapping. Laps may not be tack welded together for assembly purposes. For smooth welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.2 and AASHTO 2012 Bridge Design Guide Section 5.11.6.3. For deformed welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.1 and AASHTO 2012 Bridge Design Guide Section 5.11.6.2. The overlap of welded wire fabric shall be measured between the outer most longitudinal wires of each fabric sheet. For deformed billet-steel bars, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.1. For splices other than tension splices, the overlap shall be a minimum of 12" for welded wire fabric or deformed billet-steel bars. The spacing center to center of the circumferential wires in a wire fabric sheet shall be no less than 2 inches and no more than 4 inches. The spacing center to center of the longitudinal wires shall not be more than 8 inches. The spacing center to center of the longitudinal distribution steel for either line of reinforcing in the top slab shall be not more than 16 inches.

**Supplemental Specifications to the
 Standard Specifications for Road and Bridge Construction, 2012 Edition
 Effective with the December 14, 2012 Letting**

Subsection:	615.06.07 Laps, Welds, and Spacing for Precast Endwalls.
Revision:	Replace the subsection with the following: Splices in the reinforcement shall be made by lapping. Laps may not be tack welded together for assembly purposes. For smooth welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.2 and AASHTO 2012 Bridge Design Guide Section 5.11.6.3. For deformed welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.1 and AASHTO 2012 Bridge Design Guide Section 5.11.6.2. For deformed billet-steel bars, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.1. The spacing center-to-center of the wire fabric sheet shall not be less than 2 inches or more than 8 inches.
Subsection:	615.08.01 Type of Test Specimen.
Revision:	Replace the subsection with the following: Start-up slump, air content, unit weight, and temperature tests will be performed each day on the first batch of concrete. Acceptable start-up results are required for production of the first unit. After the first unit has been established, random acceptance testing is performed daily for each 50 yd ³ (or fraction thereof). In addition to the slump, air content, unit weight, and temperature tests, a minimum of one set of cylinders shall be required each time plastic property testing is performed.
Subsection:	615.08.02 Compression Testing.
Revision:	Delete the second sentence.
Subsection:	615.08.04 Acceptability of Core Tests.
Revision:	Delete the entire subsection.
Subsection:	615.12 Inspection.
Revision:	Add the following sentences to the end of the subsection: Units will arrive at jobsite with the "Kentucky Oval" stamped on the unit which is an indication of acceptable inspection at the production facility. Units shall be inspected upon arrival for any evidence of damage resulting from transport to the jobsite.

SPECIAL NOTE FOR ROCK BLASTING

This Special Note will apply when indicated on the plans or in the proposal. Section references herein are to the Department's 2012 Standard Specifications for Road and Bridge Construction.

1.0 DESCRIPTION. This work consists of fracturing rock and constructing stable final rock cut faces using presplit blasting and production blasting techniques.

2.0 MATERIALS. Deliver, store, and use explosives according to the manufacturer's recommendations and applicable laws. Do not use explosives outside their recommended use date. Verify date of manufacture and provide copies of the technical data sheets (TDS) and material safety data sheets (MSDS) to the Engineer. Explosives and initiating devices include, but are not necessarily limited to, dynamite and other high explosives, slurries, water gels, emulsions, blasting agents, initiating explosives, detonators, blasting caps, and detonating cord.

3.0 CONSTRUCTION. Furnish copies or other proof of all-applicable permits and licenses. Comply with Federal, State, and local regulations on the purchase, transportation, storage, and use of explosive material. Regulations include but are not limited to the following:

- 1) KRS 351.310 through 351.9901.
- 2) 805 KAR 4:005 through 4:165
- 3) Applicable rules and regulations issued by the Office of Mine Safety and Licensing.
- 4) Safety and health. OSHA, 29 CFR Part 1926, Subpart U.
- 5) Storage, security, and accountability. Bureau of Alcohol, Tobacco, and Firearms (BATF), 27 CFR Part 181.
- 6) Shipment. DOT, 49 CFR Parts 171-179, 390-397.

3.1 Blaster-in-Charge. Designate in writing a blaster-in-charge and any proposed alternates for the position. Submit documentation showing the blaster-in-charge, and alternates, have a valid Kentucky blaster's license. Ensure the blaster-in-charge or approved alternate is present at all times during blasting operations.

3.2 Blasting Plans. Blasting plans and reports are for quality control and record keeping purposes. Blasting reports are to be signed by the blaster-in-charge or the alternate blaster-in-charge. The general review and acceptance of blasting plans does not relieve the Contractor of the responsibility whatsoever for conformance to regulations or for obtaining the required results. All blasting plans shall be submitted to the Engineer. The Engineer will be responsible for submitting the plan to the Central Office Division of Construction and the Division of Mine Reclamation and Enforcement, Explosives and Blasting Branch at the following address: 2 Hudson Hollow, Frankfort, Kentucky, 40601.

- A) General Blasting Plan.** Submit a general blasting plan for acceptance at least 15 working days before drilling operations begin. Include, as a minimum, the following safety and procedural details:

- 1) Working procedures and safety precautions for storing, transporting, handling, detonating explosives. Include direction on pre and post blast audible procedures, methods of addressing misfires, and methods of addressing inclement weather, including lightning.
 - 2) Proposed product selection for both dry and wet holes. Furnish Manufacturer's TDS and MSDS for all explosives, primers, initiators, and other blasting devices.
 - 3) Proposed initiation and delay methods.
 - 4) Proposed format for providing all the required information for the site specific blasting shot reports.
- B) Preblast Meeting.** Prior to drilling operations, conduct a preblast meeting to discuss safety and traffic control issues and any site specific conditions that will need to be addressed. Ensure, at a minimum, that the Engineer or lead inspector, Superintendent, blaster-in-charge, and all personnel involved in the blasting operation are present. Site specific conditions include blast techniques; communication procedures; contingency plans and equipment for dealing with errant blast material. The conditions of the General Blasting plan will be discussed at this meeting. Record all revisions and additions made to the blasting plan and obtain written concurrence by the blaster-in-charge. Provide a copy of the signed blast plan to the Engineer along with the sign in sheet from the preblast meeting.

3.3 Preblast Condition Survey and Vibration Monitoring and Control. Before blasting, arrange for a preblast condition survey of nearby buildings, structures, or utilities, within 500 feet of the blast or that could be at risk from blasting damage. Provide the Engineer a listing of all properties surveyed and any owners denying entry or failing to respond. Notify the Engineer and occupants of buildings at risk at least 24 hours before blasting.

Limit ground vibrations and airblast to levels that will not exceed limits of 805 KAR 4:005 through 4:165. More restrictive levels may be specified in the Contract.

Size all blast designs based on vibration, distance to nearest building or utility, blast site geometry, atmospheric conditions and other factors. Ground vibrations are to be controlled according to the blasting standards and scaled distance formulas in 805 KAR 4:020 or by the use of seismographs as allowed in 805 KAR 4:030. The Department will require seismographs at the nearest allowable location to the protected site when blasting occurs within 500 feet of buildings, structures, or utilities.

3.4 Blasting. Drill and blast at the designated slope lines according to the blasting plan. Perform presplitting to obtain smooth faces in the rock and shale formations. Perform the presplitting before blasting and excavating the interior portion of the specified cross section at any location. The Department may allow blasting for fall benches and haul roads prior to presplitting when blasting is a sufficient distance from the final slope and results are satisfactory to the Engineer. Use the types of explosives and blasting accessories necessary to obtain the required results.

Free blast holes of obstructions for their entire depth. Place charges without caving the blast hole walls. Stem the upper portion of all blast holes with dry sand or other granular material passing the 3/8-inch sieve. Dry drill cuttings are acceptable for stemming when blasts are more than 800 feet from the nearest dwelling.

11D

Stop traffic during blasting operations when blasting near any road and ensure traffic does not pass through the Danger Zone. The blaster-in-charge will define the Danger Zone prior to each blast. Ensure traffic is stopped outside the Danger Zone, and in no case within 800 feet of the blast location.

Following a blast, stop work in the entire blast area, and check for misfires before allowing worker to return to excavate the rock.

Remove or stabilize all cut face rock that is loose, hanging, or potentially dangerous. Leave minor irregularities or surface variations in place if they do not create a hazard. Drill the next lift only after the cleanup work and stabilization work is complete.

When blasting operations cause fracturing of the final rock face, repair or stabilize it in an approved manner at no cost to the Department.

Halt blasting operations in areas where any of the following occur:

- 1) Slopes are unstable;
- 2) Slopes exceed tolerances or overhangs are created;
- 3) Backslope damage occurs;
- 4) Safety of the public is jeopardized;
- 5) Property or natural features are endangered;
- 6) Fly rock is generated; or
- 7) Excessive ground or airblast vibrations occur in an area where damage to buildings, structures, or utilities is possible.
- 8) The Engineer determines that materials have become unsuitable for blasting

Blasting operations may continue at a reasonable distance from the problem area or in areas where the problems do not exist. Make the necessary modifications to the blasting operations and perform a test blast to demonstrate resolution of the problem.

A) Drill Logs. Maintain a layout drawing designating hole numbers with corresponding drill logs and provide a copy of this information to the blaster prior to loading the hole. Ensure the individual hole logs completed by the driller(s) show their name; date drilled; total depth drilled; and depths and descriptions of significant conditions encountered during drilling that may affect loading such as water, voids, changes in rock type.

B) Presplitting. Conduct presplitting operations in conformance with Subsection 204.03.04 of the Standard Specifications for Road and Bridge Construction.

3.5 Shot Report. Maintain all shot reports on site for review by the Department. Within one day after a blast, complete a shot report according to the record keeping requirements of 805 KAR 4:050. Include all results from airblast and seismograph monitoring.

3.6 Unacceptable Blasting. When unacceptable blasting occurs, the Department will halt all blasting operations. Blasting will not resume until the Department completes its investigation and all concerns are addressed. A blast is unacceptable when it results in fragmentation beyond the final rock face, fly rock, excessive vibration or airblast, overbreak, damage to the final rock face or overhang. Assume the cost for all resulting damages to private and public property and hold the Department harmless.

11D

When an errant blast or fly rock causes damage to or blocks a road or conveyance adjacent to the roadway, remove all debris from the roadway as quickly as practicable and perform any necessary repairs. Additionally, when specified in the Contract, the Department will apply a penalty.

Report all blasting accidents to the Division of Mine Reclamation and Enforcement, Explosives and Blasting Branch at 502-564-2340.

4.0 MEASUREMENT AND PAYMENT. The Department will not measure this work for payment and will consider all items contained in this note to be incidental to either Roadway Excavation or Embankment-in-Place, as applicable. However, if the Engineer directs in writing slope changes, then the Department will pay for the second presplitting operation as Extra Work.

The Department will measure for payment material lying outside the typical section due to seams, broken formations, or earth pockets, including any earth overburden removed with this material, only when the work is performed under authorized adjustments.

The Department will not measure for payment any extra material excavated because of the drill holes being offset outside the designated slope lines.

The Department will not measure for payment any material necessary to be removed due to the inefficient or faulty blasting practices.

June 15, 2012

**SPECIAL NOTE FOR ACCEPTANCE OF DENSITY
 OF LONGITUDINAL JOINTS IN ASPHALT SURFACE PAVEMENTS**

This Special Note will apply when indicated on the plans or in the proposal. All applicable portions of the Department's 2012 Standard Specifications for Road and Bridge Construction apply unless specifically modified herein. Section references herein are to the Department's 2012 Standard Specifications for Road and Bridge Construction.

1. DESCRIPTION. This note specifies an increased level of compaction for density acceptance testing required for the longitudinal joint of asphalt surface mixtures compacted under Option A requirements. Due to the inherent difficulty of compacting longitudinal joints, conventional methods of compaction may not be adequate to achieve the desired level of density.

2. MATERIALS AND EQUIPMENT. Reserved.

3. CONSTRUCTION. Reserved.

4. MEASUREMENT. Reserved.

5. PAYMENT.

5.1 Lot Pay Adjustment. Contrary to Subsection 402.05.02, the Department will use the following Lot Pay Adjustment Schedule to assign pay values for Joint Density within each subplot.

JOINT DENSITY	
Pay Value	Test Result (%)
1.05	92.0-96.0
1.00	90.0-91.9 or 96.1-96.5
0.95	89.0-89.9
0.90	88.0-88.9 or 96.6-97.0
0.75	< 88.0 or > 97.0

June 15, 2012

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 2012 Standard Specifications for Road and Bridge Construction.

1.0 DESCRIPTION. Construct a soil, granular, or rock embankment with 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 2012 Standard Specifications.

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 Granular Pile Core. 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.

2.4 Cohesive Pile Core. 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 6 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.

2.5 Structure Granular Backfill. Conform to Subsection 805.11

2.6 Geotextile Fabric. Conform to Type I or Type IV in Section 214 and 843 as required in the plans.

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 granular or cohesive pile core, soil, granular or rock embankment, and structure granular backfill according to the applicable density requirements for the project. When constructing granular or rock embankments, use granular pile core for driven pile foundations and use cohesive pile core for pre-drilled pile or drilled shaft foundations. Place geotextile fabric, Type IV between cohesive pile core and structure

granular backfill and granular or rock embankment.

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 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 or install shafts, 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 removing adjacent forms, fill the excavation with structure granular backfill material to the level of the berm prior to placing beams for the bridge. For soil embankments, 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 structure granular backfill to subgrade elevation. If the original excavation is enlarged, fill the entire volume with compacted structure granular backfill 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 structure granular backfill prior to placing aggregate base course.

Tamp the backfill with hand tampers, pneumatic tampers, or other means the Engineer approves. 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 the 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 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 Granular Pile Core. 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 furnishing and placing 8-inch perforated underdrain pipe and will consider it incidental to the Granular pile core. The Department will not measure for payment any granular pile core that is necessary because the contractor elects to use granular or rock embankment when it is not specified in the plans.

4.4 Cohesive Pile Core. The Department will measure the quantity in cubic yards using the plan quantity, increased or decreased by authorized adjustments as specified in Section 204.

4.5 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 structure excavation at the end bent or an existing embankment for payment and will consider it incidental to Structure Granular Backfill.

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

4.6 Geotextile Fabric. The Department will measure the quantities as specified in Section 214. The Department will not measure the quantity of fabric used for separating granular or rock embankment and cohesive pile core and will consider it incidental to cohesive pile core.

4.7 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.

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
20209EP69	Granular Pile Core	Cubic Yards
20210EP69	Cohesive Pile Core	Cubic Yards
02231	Structure Granular Backfill	Cubic Yards
02596, 02599	Geotextile Fabric, Type	See Section 214

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

June 15, 2012

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)
- III. Payment of Predetermined Minimum Wages
- IV. Statements and Payrolls

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.

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 (between forty and seventy); 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 (between forty and seventy). 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, disability or age (between forty and seventy), except that such notice or advertisement may indicate a preference, limitation, or specification based on religion, or national origin when religion, or national origin is a bona fide occupational qualification for employment.

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 (between forty and seventy), 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.

III. PAYMENT OF PREDETERMINED MINIMUM WAGES

1. These special provisions are supplemented elsewhere in the contract by special provisions which set forth certain predetermined minimum wage rates. The contractor shall pay not less than those rates.

2. The minimum wage determination schedule shall be posted by the contractor, in a manner prescribed by the Department of Highways, at the site of the work in prominent places where it can be easily seen by the workers.

IV. STATEMENTS AND PAYROLLS

1. All contractors and subcontractors affected by the terms of KRS 337.505 to 337.550 shall keep full and accurate payroll records covering all disbursements of wages to their employees to whom they are required to pay not less than the prevailing rate of wages. Payrolls and basic records relating thereto will be maintained during the course of the work and preserved for a period of one (1) year from the date of completion of this contract.

2. The payroll records shall contain the name, address and social security number of each employee, his correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made and actual wages paid.

3. The contractor shall make his daily records available at the project site for inspection by the State Department of Highways contracting office or his authorized representative.

Periodic investigations shall be conducted as required to assure compliance with the labor provisions of the contract. Interrogation of employees and officials of the contractor shall be permitted during working hours.

Aggrieved workers, Highway Managers, Assistant District Engineers, Resident Engineers and Project Engineers shall report all complaints and violations to the Division of Contract Procurement.

The contractor shall be notified in writing of apparent violations. The contractor may correct the reported violations and notify the Department of Highways of the action taken or may request an informal hearing. The request for hearing shall be in writing within ten (10) days after receipt of the notice of the reported violation. The contractor may submit

records and information which will aid in determining the true facts relating to the reported violations.

Any person or organization aggrieved by the action taken or the findings established as a result of an informal hearing by the Division of Contract Procurement may request a formal hearing.

4. The wages of labor shall be paid in legal tender of the United States, except that this condition will be considered satisfied if payment is made by a negotiable check, on a solvent bank, which may be cashed readily by the employee in the local community for the full amount, without discount or collection charges of any kind. Where checks are used for payments, the contractor shall make all necessary arrangements for them to be cashed and shall give information regarding such arrangements.

5. No fee of any kind shall be asked or accepted by the contractor or any of his agents from any person as a condition of employment on the project.

6. No laborers shall be charged for any tools used in performing their respective duties except for reasonably avoidable loss or damage thereto.

7. Every employee on the work covered by this contract shall be permitted to lodge, board, and trade where and with whom he elects and neither the contractor nor his agents, nor his employees shall directly or indirectly require as a condition of employment that an employee shall lodge, board or trade at a particular place or with a particular person.

8. Every employee on the project covered by this contract shall be an employee of either the prime contractor or an approved subcontractor.

9. No charge shall be made for any transportation furnished by the contractor or his agents to any person employed on the work.

10. No individual shall be employed as a laborer or mechanic on this contract except on a wage basis, but this shall not be construed to prohibit the rental of teams, trucks or other equipment from individuals.

No Covered employee may be employed on the work except in accordance with the classification set forth in the schedule mentioned above; provided, however, that in the event additional classifications are required, application shall be made by the contractor to the Department of Highways and (1) the Department shall request appropriate classifications and rates from the proper agency, or (2) if there is urgent need for additional classification to avoid undue delay in the work, the contractor may employ such workmen at rates deemed comparable to rates established for similar classifications provided he has made written application through the Department of Highways, addressed to the proper agency, for the supplemental rates. The contractor shall retroactively adjust, upon receipt of the supplemental rates schedule, the wages of any employee paid less than the established rate and may adjust the wages of any employee overpaid.

11. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic in any work-week in which he is employed on such work, to work in excess of eight hours in any calendar day or in excess of forty hours in such work-week unless such laborer or mechanic receives compensation at a rate not less than one and one half times his basic rate of pay for all hours worked in excess of eight hours in any calendar day or in excess of forty hours in such work-week. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. This agreement shall be in writing and shall be executed prior to the employee working in excess of eight (8) hours, but not more than ten (10) hours, in any one (1) calendar day.

12. Payments to the contractor may be suspended or withheld due to failure of the contractor to pay any laborer or

mechanic employed or working on the site of the work, all or part of the wages required under the terms of the contract. The Department may suspend or withhold payments only after the contractor has been given written notice of the alleged violation and the contractor has failed to comply with the wage determination of the Department of Highways.

13. Contractors and subcontractors shall comply with the sections of Kentucky Revised Statutes, Chapter 337 relating to contracts for Public Works.

Revised 2-16-95

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 (6) provides:

No present or former public servant shall, within six (6) months of 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 the state in matters in which he was directly involved during 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, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved 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.

KRS 11A.040 (8) states:

A former public servant shall not represent a person in a matter before a state agency in which the former public servant was directly involved, 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, Room 136, Capitol Building, 700 Capitol Avenue, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Kentucky Equal Employment Opportunity Act of 1978

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

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

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

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

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

KENTUCKY LABOR CABINET
PREVAILING WAGE DETERMINATION
CURRENT REVISION
HIGHWAY CONSTRUCTION LOCALITY NO. II

Determination No. CR-III-II-HWY

Project No.
Highway

Date of Determination: September 5, 2012

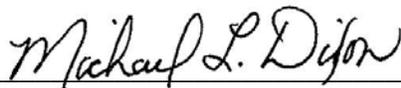
This schedule of the prevailing rate of wages for Locality No. II including the counties of ADAIR, BARREN, BELL, BREATHITT, CASEY, CLAY, CLINTON, CUMBERLAND, ESTILL, FLOYD, GARRARD, GREEN, HARLAN, HART, JACKSON, JOHNSON, KNOTT, KNOX, LAUREL, LAWRENCE, LEE, LESLIE, LETCHER, LINCOLN, MCCREARY, MAGOFFIN, MARTIN, MENIFEE, METCALFE, MONROE, MORGAN, OWSLEY, PERRY, PIKE, POWELL, PULASKI, ROCKCASTLE, RUSSELL, TAYLOR, WAYNE, WHITLEY, and WOLFE has been determined in accordance with the provisions of KRS 337.505 to 337.550. This determination shall be referred to as Prevailing Wage Determination No. CR-III-II-HWY.

The following schedule of rates is to be used for highway construction projects advertised or awarded by the Kentucky Transportation Cabinet. This includes any contracts for the relocation of any utilities or other incidental construction projects advertised or awarded by public authorities as a result of the highway construction project.

Apprentices or trainees shall be permitted to work in accordance with Administrative Regulations adopted by the Commissioner of the Department of Workplace Standards. Copies of these regulations will be furnished upon request to any interested person.

Overtime is to be computed at not less than one and one-half (1 1/2) times the indicated BASE RATE for all hours worked in excess of eight (8) hours per day, or in excess of forty (40) hours per week. However, KRS 337.540 permits an employee and employer to agree, in writing, that the employee will be compensated at a straight time base rate for hours worked in excess of eight (8) hours in any one calendar day, but not more than ten (10) hours worked in any one calendar day, if such written agreement is prior to the over eight (8) hours in a calendar day actually being worked, or where provided for in a collective bargaining agreement. The fringe benefit rate is to be paid for each hour worked at a straight time rate for all hours worked. Fringe benefit amounts are applicable for all hours worked except when otherwise noted. Welders will receive rate for craft in which welding is incidental.

No laborer, workman or mechanic shall be paid at a rate less than that of the General Laborer except those classified as bona fide apprentices registered with the Kentucky State Apprenticeship Supervisor unless otherwise specified in this schedule of wage rates.



Michael Dixon, Commissioner
Department of Workplace Standards

CLASSIFICATIONS **RATE AND FRINGE BENEFITS**

BOILERMAKERS: BASE RATE \$24.65
FRINGE BENEFIT 12.94

BRICKLAYERS:
 Bricklayers: BASE RATE \$22.90
FRINGE BENEFITS 8.00

Stone Mason: BASE RATE \$21.50
FRINGE BENEFITS 8.50

CARPENTERS:
 Carpenters: BASE RATE \$23.71
FRINGE BENEFITS 13.50

Piledrivers: BASE RATE \$23.96
FRINGE BENEFITS 13.50

CEMENT MASONS: BASE RATE \$21.25
FRINGE BENEFITS 8.50

ELECTRICIANS: *BASE RATE \$29.36
FRINGE BENEFITS 10.55

*When workmen are required to work from bosum chairs, trusses, stacks, tanks, scaffolds, catwalks, radio and T.V. towers, structural steel (open, unprotected, unfloored raw steel), and bridges or similar hazardous locations where workmen are subject to a direct fall, except where using JLG's and bucket trucks up to 75 feet: Add 25% to workman's base rate for 50 to 75 feet, and add 50% to workman's base rate for over 75 feet.

LINEMAN: *BASE RATE \$30.09
FRINGE BENEFITS 10.94

EQUIPMENT OPERATOR: *BASE RATE \$26.90
FRINGE BENEFITS 10.31

GROUNDSMAN: *BASE RATE \$17.79
FRINGE BENEFITS 8.51

IRONWORKERS: BASE RATE \$ 26.34
FRINGE BENEFITS 18.54

CLASSIFICATIONS

RATE AND FRINGE BENEFITS

LABORERS:

GROUP 1: Aging and curing of concrete (any mode or method), asbestos abatement worker, asphalt plant laborers, asphalt laborers; batch truck dumpers; carpenter tenders, cement mason tenders, cleaning of machines, concrete laborers, demolition laborers, dredging laborers, drill helper, environmental laborer - nuclear, radiation, toxic and hazardous waste – Level D, flagmen, grade checkers, all hand digging and hand back filling, highway marker placers, landscaping laborers, mesh handlers and placers, puddler, railroad laborers, rip-rap and grouters, right of way laborers, sign, guard rail and fence installers (all types), signalmen, sound barrier installer, storm and sanitary sewer laborers, swampers, truck spotters and dumpers, wrecking of concrete forms, general cleanup:

HEAVY & HIGHWAY	BASE RATE	\$21.15
	FRINGE BENEFITS	11.41

GROUP 2: Batter board men (sanitary and storm sewer), brickmason tenders, mortar mixer operator, scaffold builders, burner and welder, bushammers, chain saw operator, concrete saw operators, deckhand scow man, dry cement handlers, environmental laborers – nuclear, radiation, toxic and hazardous waste – Level C, forklift operators for masonry, form setters, green concrete cutting, hand operated grouter and grinder machine operator, jack hammers, lead paint abatement, pavement breakers, paving joint machine, pipe layers – laser operators (non-metallic), plastic pipe fusion, power driven Georgia buggy and wheel barrow, power post hole diggers, precast manhole setters, walk-behind tampers, walk-behind trenchers, sand blasters, concrete chippers, surface grinders, vibrator operators, wagon drillers:

HEAVY & HIGHWAY	BASE RATE	\$21.40
	FRINGE BENEFITS	11.41

GROUP 3: Air track driller (all types), asphalt luteman and rakersm gunnite nozzleman, gunnite operators and mixers, grout pump operator, powderman and blaster, side rail setters, rail paved ditches, screw operators, tunnel laborers (free air), and water blasters:

HEAVY & HIGHWAY	BASE RATE	\$21.45
	FRINGE BENEFITS	11.41

GROUP 4: Caisson workers (free air), cement finishers, environmental laborer – nuclear, radiation, toxic and hazardous waste – Level A and B, miners and drillers (free air), tunnel blasters, and tunnel mockers (free air), directional and horizontal boring, air track drillers (all types), powder man and blasters, troxler and concrete tester if laborer is utilized:

HEAVY & HIGHWAY	BASE RATE	\$22.05
	FRINGE BENEFITS	11.41

OPERATING ENGINEERS:

Group A-1:
NCCCO or OECP Certified; Crane, dragline, hoist (1 drum when used for stack or chimney construction or repair), hoisting engineer (2 or more drums), orangepeel, overhead crane, piledriver, truck crane, tower crane, hydraulic crane:

BASE RATE	\$28.40
FRINGE BENEFITS	13.40

CLASSIFICATIONS

RATE AND FRINGE BENEFITS

Group A:

Auto patrol, batcher plant, bituminous paver, cable-way, clamshell, concrete mixer (21 cu. ft. or over), concrete pump, crane, crusher plant, derrick, derrick boat, ditching and trenching machine, dragline, dredge engineer, elevator (regardless of ownership when used for hoisting any building material), elevating grader and all types of loaders, hoe-type machine, hoisting engine, locomotive, LeTourneau or carry-all scoop, bulldozer, mechanic, orangepeel bucket, piledriver, power blade, roller (bituminous), roller (earth), roller (rock), scarifier, shovel, tractor shovel, truck crane, well points, winch truck, push dozer, grout pump, high lift, fork lift (regardless of lift height), all types of boom cats, multiple operator, core drill, tow or push boat, A-Frame winch truck, concrete paver, gradeall, hoist, hyster, material pump, pumpcrete, ross carrier, sheepfoot, sideboom, throttle-valve man, rotary drill, power generator, mucking machine, rock spreader attached to equipment, scoopmobile, KeCal loader, tower cranes (French, German and other types), hydrocrane, tugger, backfiller guries, self-propelled compactor, self-contained hydraulic percussion drill:

BASE RATE \$27.35
 FRINGE BENEFITS 13.40

Group B:

All air compressors (200 cu. ft. per min. or greater capacity), bituminous mixer, concrete mixer (under 21 cu. ft.), welding machine, form grader, tractor (50 H.P. and over), bull float, finish machine, outboard motor boat, brakeman, mechanic helper, whirly oiler, tractair and road widening trencher, articulating trucks:

BASE RATE \$24.87
 FRINGE BENEFITS 13.40

Group B2:

Greaser on grease facilities servicing heavy equipment:

BASE RATE \$25.26
 FRINGE BENEFITS 13.40

Group C:

Bituminous distributor, cement gun, conveyor, mud jack, paving joint machine, pump, tamping machine, tractors (under 50 H.P.), vibrator, oiler, air compressors (under 200 cu. ft. per min. capacity), concrete saw, burlap and curing machine, hydro seeder, power form handling equipment, deckhand oiler, hydraulic post driver:

BASE RATE \$24.60
 FRINGE BENEFITS 13.40

PAINTERS:

All Excluding Bridges:

BASE RATE \$19.92
 FRINGE BENEFITS 9.57

Bridges:

BASE RATE \$23.92
 FRINGE BENEFITS 10.07

<u>CLASSIFICATIONS</u>	<u>RATE AND FRINGE BENEFITS</u>
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PLUMBERS:	BASE RATE	\$22.52
	FRINGE BENEFITS	7.80

SHEET METAL:	BASE RATE	\$20.40
	FRINGE BENEFITS	7.80

TRUCK DRIVERS:

Truck helper and warehouseman:	BASE RATE	\$22.82
	FRINGE BENEFITS	13.50

Driver, winch truck and A-Frame when used in transporting materials:	BASE RATE	\$23.21
	FRINGE BENEFITS	13.50

Driver, (semi-trailer or pole trailer), driver (dump truck, tandem axle), driver of distributor:	BASE RATE	\$23.11
	FRINGE BENEFITS	13.50

Driver on mixer trucks (all types):	BASE RATE	\$23.14
	FRINGE BENEFITS	13.50

Truck mechanic:	BASE RATE	\$23.11
	FRINGE BENEFITS	13.50

Driver (3 tons and under), tire changer and truck mechanic helper:	BASE RATE	\$22.93
	FRINGE BENEFITS	13.50

Driver on pavement breakers:	BASE RATE	\$23.21
	FRINGE BENEFITS	13.50

Driver (over 3 tons), driver (truck mounted rotary drill):	BASE RATE	\$23.11
	FRINGE BENEFITS	13.50

Driver, Euclid and other heavy earth moving equipment and Low Boy:	BASE RATE	\$23.21
	FRINGE BENEFITS	13.50

Greaser on greasing facilities:	BASE RATE	\$22.93
	FRINGE BENEFITS	13.50

Kentucky Determination No. CR-III-II-HWY dated September 5, 2012

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

No laborer, workman or mechanic shall be paid at a rate less than that of the General Laborer except those classified as bona fide apprentices registered with the Kentucky State Apprenticeship Supervisor unless otherwise specified in this schedule of wage rates.

These rates are listed pursuant to the Kentucky Determination No. CR-III-II-HWY dated September 5, 2012. Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contract or shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

TO: EMPLOYERS/EMPLOYEES

PREVAILING WAGE SCHEDULE:

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the numbers of hours worked in each classification at the prescribed hourly base rate.

OVERTIME:

Overtime is to be paid after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wage. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. Wage violations or questions should be directed to the designated Engineer or to the undersigned.

Ryan Griffith, Director
Division of Construction Procurement
Frankfort, Kentucky 40622

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

121383

PROPOSAL BID ITEMS

Report Date 11/26/12

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	33,759.00	TON		\$	
0020	00020		TRAFFIC BOUND BASE	2,949.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	111.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	14.00	TON		\$	
0050	00212		CL2 ASPH BASE 1.00D PG64-22	2,843.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	16,161.00	TON		\$	
0070	00221		CL2 ASPH BASE 0.75D PG64-22	2,258.00	TON		\$	
0080	00307		CL2 ASPH SURF 0.38B PG64-22	1,709.00	TON		\$	
0090	00388		CL3 ASPH SURF 0.38B PG64-22	2,568.00	TON		\$	
0100	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0110	02677		ASPHALT PAVE MILLING & TEXTURING	9.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0120	00078		CRUSHED AGGREGATE SIZE NO 2	8.00	TON		\$	
0130	01067		STEEL ENCASEMENT PIPE-10 IN	175.00	LF		\$	
0140	01310		REMOVE PIPE	99.00	LF		\$	
0150	01825		ISLAND CURB AND GUTTER	84.50	LF		\$	
0160	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	107.00	EACH		\$	
0170	01984		DELINEATOR FOR BARRIER - WHITE	48.00	EACH		\$	
0180	02014		BARRICADE-TYPE III	16.00	EACH		\$	
0190	02091		REMOVE PAVEMENT	1,549.00	SQYD		\$	
0200	02159		TEMP DITCH	7,400.00	LF		\$	
0210	02200		ROADWAY EXCAVATION	1,429,443.00	CUYD		\$	
0220	02242		WATER	100.00	MGAL		\$	
0230	02351		GUARDRAIL-STEEL W BEAM-S FACE	6,987.50	LF		\$	
0240	02352		GUARDRAIL-STEEL W BEAM-D FACE	87.50	LF		\$	
0250	02360		GUARDRAIL TERMINAL SECTION NO 1	11.00	EACH		\$	
0260	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.00	EACH		\$	
0270	02366		GUARDRAIL TERMINAL SECTION NO 3	1.00	EACH		\$	
0280	02367		GUARDRAIL END TREATMENT TYPE 1	2.00	EACH		\$	
0290	02369		GUARDRAIL END TREATMENT TYPE 2A	4.00	EACH		\$	
0300	02404		SEPTIC TANK TREATMENT	22.00	EACH		\$	
0310	02429		RIGHT-OF-WAY MONUMENT TYPE 1	85.00	EACH		\$	
0320	02430		RIGHT-OF-WAY MONUMENT TYPE 1A	12.00	EACH		\$	
0330	02431		WITNESS R/W MONUMENT TYPE 2	1.00	EACH		\$	
0340	02432		WITNESS POST	98.00	EACH		\$	
0350	02475		PLUG WATER WELL	10.00	EACH		\$	
0360	02488		CHANNEL LINING CLASS IV	13,925.00	CUYD		\$	
0370	02545		CLEARING AND GRUBBING(70 ACRES)	1.00	LS		\$	
0380	02562		SIGNS	1,545.00	SQFT		\$	
0390	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0400	02651		DIVERSIONS (BY-PASS DETOURS)(#6 MAINLINE STA. 29+00 - STA. 40+40)	1.00	LS		\$	

PROPOSAL BID ITEMS

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Report Date 11/21/12

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0400	02651		DIVERSIONS (BY-PASS DETOURS)(#6 MAINLINE STA. 29+00 - STA. 40+40)	1.00	LS		\$	
0410	02651		DIVERSIONS (BY-PASS DETOURS)(#5 KY 122 APPROACH STA. 47+00 - STA. 52+50)	1.00	LS		\$	
0420	02651		DIVERSIONS (BY-PASS DETOURS)(#1 SIMPSON BRIDGE ROAD AT MAINLINE STA 84+23)	1.00	LS		\$	
0430	02651		DIVERSIONS (BY-PASS DETOURS)(#4 SIMPSON BRIDGE ROAD AT MAINLINE STA. 128+88)	1.00	LS		\$	
0440	02651		DIVERSIONS (BY-PASS DETOURS)(#3 POLLY SPENCER BRIDGE ROAD MAINLINE STA. 101 +43)	1.00	LS		\$	
0450	02651		DIVERSIONS (BY-PASS DETOURS)(#2 SIMPSON BRIDGE ROAD RT OF MAINLINE STA. 90+34 TO 97+86)	1.00	LS		\$	
0460	02692		SETTLEMENT PLATFORM	1.00	EACH		\$	
0470	02696		SHOULDER RUMBLE STRIPS-SAWED	10,272.00	LF		\$	
0480	02701		TEMP SILT FENCE	7,400.00	LF		\$	
0490	02703		SILT TRAP TYPE A	70.00	EACH		\$	
0500	02704		SILT TRAP TYPE B	70.00	EACH		\$	
0510	02705		SILT TRAP TYPE C	70.00	EACH		\$	
0520	02706		CLEAN SILT TRAP TYPE A	210.00	EACH		\$	
0530	02707		CLEAN SILT TRAP TYPE B	210.00	EACH		\$	
0540	02708		CLEAN SILT TRAP TYPE C	210.00	EACH		\$	
0550	02709		CLEAN TEMP SILT FENCE	7,400.00	LF		\$	
0560	02726		STAKING	1.00	LS		\$	
0570	05950		EROSION CONTROL BLANKET	4,547.00	SQYD		\$	
0580	05952		TEMP MULCH	209,000.00	SQYD		\$	
0590	05953		TEMP SEEDING AND PROTECTION	100,000.00	SQYD		\$	
0600	05966		TOPDRESSING FERTILIZER	10.80	TON		\$	
0610	05985		SEEDING AND PROTECTION	209,000.00	SQYD		\$	
0620	06510		PAVE STRIPING-TEMP PAINT-4 IN	20,000.00	LF		\$	
0630	06514		PAVE STRIPING-PERM PAINT-4 IN	43,075.00	LF		\$	
0640	06568		PAVE MARKING-THERMO STOP BAR-24IN	153.00	LF		\$	
0650	06570		PAVE MARKING-PAINT CROSS-HATCH	12,831.00	SQFT		\$	
0660	06573		PAVE MARKING-THERMO STR ARROW	5.00	EACH		\$	
0670	06574		PAVE MARKING-THERMO CURV ARROW	31.00	EACH		\$	
0680	06589		PAVEMENT MARKER TYPE V-MW	89.00	EACH		\$	
0690	06591		PAVEMENT MARKER TYPE V-BY	267.00	EACH		\$	
0700	08820		DRAIN PIPE-6 IN	2,000.00	LF		\$	
0710	10020NS		FUEL ADJUSTMENT	298,619.00	DOLL	\$1.00	\$	\$298,619.00
0720	10030NS		ASPHALT ADJUSTMENT	97,775.00	DOLL	\$1.00	\$	\$97,775.00
0730	20458ES403		CENTERLINE RUMBLE STRIPS	5,007.00	LF		\$	
0740	20667ED		PNEUMATIC BACKSTOWING	3,500.00	TON		\$	

PROPOSAL BID ITEMS

121383

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Report Date 11/21/12

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0750	00440		ENTRANCE PIPE-15 IN	216.00	LF		\$	
0760	00441		ENTRANCE PIPE-18 IN	48.00	LF		\$	
0770	00445		ENTRANCE PIPE-30 IN	134.00	LF		\$	
0780	00461		CULVERT PIPE-15 IN	78.00	LF		\$	
0790	00462		CULVERT PIPE-18 IN	610.00	LF		\$	
0800	00464		CULVERT PIPE-24 IN	645.00	LF		\$	
0810	00466		CULVERT PIPE-30 IN	168.00	LF		\$	
0820	00469		CULVERT PIPE-42 IN	114.00	LF		\$	
0830	00474		CULVERT PIPE-72 IN	198.00	LF		\$	
0840	00526		STORM SEWER PIPE-30 IN	111.00	LF		\$	
0850	01002		PERFORATED PIPE-8 IN	514.00	LF		\$	
0860	01012		NON-PERFORATED PIPE-8 IN	265.00	LF		\$	
0870	01022		PERF PIPE HEADWALL TY 1-8 IN	8.00	EACH		\$	
0880	01370		METAL END SECTION TY 1-15 IN	7.00	EACH		\$	
0890	01371		METAL END SECTION TY 1-18 IN	2.00	EACH		\$	
0900	01374		METAL END SECTION TY 1-30 IN	3.00	EACH		\$	
0910	01450		S & F BOX INLET-OUTLET-18 IN	4.00	EACH		\$	
0920	01451		S & F BOX INLET-OUTLET-24 IN	3.00	EACH		\$	
0930	01452		S & F BOX INLET-OUTLET-30 IN	3.00	EACH		\$	
0940	01480		CURB BOX INLET TYPE B	2.00	EACH		\$	
0950	01490		DROP BOX INLET TYPE 1	5.00	EACH		\$	
0960	01493		DROP BOX INLET TYPE 2	1.00	EACH		\$	
0970	01505		DROP BOX INLET TYPE 5B	2.00	EACH		\$	
0980	08100		CONCRETE-CLASS A	63.50	CUYD		\$	
0990	08150		STEEL REINFORCEMENT	3,302.00	LB		\$	
1000	23131ER701		PIPELINE VIDEO INSPECTION	2,199.00	LF		\$	
1010	24561EN		ENTRANCE PIPE-42 IN	151.00	FT		\$	

PROPOSAL BID ITEMS

121383

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Report Date 11/21/12

Section: 0004 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1020	02231		STRUCTURE GRANULAR BACKFILL	388.70	CUYD		\$	
1030	02596		FABRIC-GEOTEXTILE TYPE I	1,492.00	SQYD		\$	
1040	02692		SETTLEMENT PLATFORM	1.00	EACH		\$	
1050	02998		MASONRY COATING	6,131.90	SQYD		\$	
1060	03299		ARMORED EDGE FOR CONCRETE	156.60	LF		\$	
1070	03340		STEEL PIPE-2 1/2 IN	38.00	LF		\$	
1080	03343		STEEL PIPE-4 IN	38.00	LF		\$	
1090	08003		FOUNDATION PREPARATION(OVER LEFT FORK BEAVER CREEK AND CSX RR -25495)	1.00	LS		\$	
1100	08003		FOUNDATION PREPARATION(25497)	1.00	LS		\$	
1110	08003		FOUNDATION PREPARATION(25496)	1.00	LS		\$	
1120	08003		FOUNDATION PREPARATION(25498)	1.00	LS		\$	
1130	08019		CYCLOPEAN STONE RIP RAP	1,492.00	TON		\$	
1140	08033		TEST PILES	1,766.50	LF		\$	
1150	08037		COFFERDAM(25495-PIER 19)	1.00	LS		\$	
1160	08037		COFFERDAM(25495 - PIER 20)	1.00	LS		\$	
1170	08046		PILES-STEEL HP12X53	20,656.40	LF		\$	
1180	08094		PILE POINTS-12 IN	558.00	EACH		\$	
1190	08100		CONCRETE-CLASS A	3,835.00	CUYD		\$	
1200	08104		CONCRETE-CLASS AA	4,026.90	CUYD		\$	
1210	08150		STEEL REINFORCEMENT	542,203.00	LB		\$	
1220	08151		STEEL REINFORCEMENT-EPOXY COATED	1,282,562.00	LB		\$	
1230	08160		STRUCTURAL STEEL(OVER LEFT FORK BEAVER CREEK AND CSX RR - 25495)	1.00	LS		\$	
1240	08471		EXPANSION DAM-2.5 IN NEOPRENE	52.00	LF		\$	
1250	08472		EXPANSION DAM-4 IN NEOPRENE	224.10	LF		\$	
1260	08633		PRECAST PC I BEAM TYPE 3	2,559.30	LF		\$	
1270	08639		PRECAST PC I BEAM TYPE 9	10,994.70	LF		\$	
1280	21532ED		RAIL SYSTEM TYPE III	5,170.80	LF		\$	
1290	23964EC		PROTECTIVE FENCE	297.00	LF		\$	

Section: 0005 - MOBILIZATION / DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1300	02568		MOBILIZATION	1.00	LS		\$	
1310	02569		DEMOBILIZATION	1.00	LS		\$	