



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

March 15, 2023

CALL NO. 105
CONTRACT ID NO. 231302
ADDENDUM # 1

Subject: Christian County, STP 6000 (223)
Letting March 23, 2023

- (1) Revised - Cover Page
- (2) Revised - Description - Page 4 of 377
- (3) Revised - Special Note - Page 29 of 377
- (4) Revised - Utility Note - Pages 34-39 of 377
- (5) Revised - Proposal Bid Items - Pages 375-377 of 377
- (6) Added - KPDES Proposal Notes - Pages 1-19 of 19
- (7) Omit Proposal Pages 282-330 of 377
- (8) Revised - Plan Sheet R2C

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

Rachel Mills,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr

Enclosures



CALL NO. 105

CONTRACT ID. 231302

CHRISTIAN COUNTY

FED/STATE PROJECT NUMBER STP 6000 (223)

DESCRIPTION NEW CONNECTOR US41-KY115

WORK TYPE ASPHALT SURFACE WITH GRADE & DRAIN

PRIMARY COMPLETION DATE 5/1/2024

LETTING DATE: March 23,2023

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME March 23,2023. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

PLANS AVAILABLE FOR THIS PROJECT.

DBE CERTIFICATION REQUIRED - 7%

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

ADMINISTRATIVE DISTRICT - 02

CONTRACT ID - 231302

STP 6000 (223)

COUNTY - CHRISTIAN

PCN - DE0240NEW2302

STP 6000 (223)

NEW CONNECTOR US41-KY115 CONSTRUCT NEW SOUTHERN SECTION OF CONNECTOR FROM KY 115 TO CSX RAILROAD, A DISTANCE OF 01.52 MILES.ASPHALT SURFACE WITH GRADE & DRAIN SYP NO. 02-00381.10.
GEOGRAPHIC COORDINATES LATITUDE 36:46:22.00 LONGITUDE 87:22:02.00

ADT

COMPLETION DATE(S):

COMPLETED BY 11/01/2023

OPEN TO TRAFFIC

COMPLETED BY 05/01/2024

APPLIES TO ENTIRE CONTRACT-SEE NOTE

Contract:

2-381.10 CHRISTIAN County New Connector from US 41 near the Industrial Park to KY 115 South of Pembroke.

Intermediate Completion Date: ***November 1, 2023***

Completion Date: ***May 1, 2024,***

Full-Length of Roadway must be open to traffic by November 1, 2023.

No lane closures beyond those shown in MOT plans are allowed between 7AM-8 AM and 1:45PM-3:00PM while school is in session.

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

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

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

PROTECTION OF EXISTING UTILITIES

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

PREQUALIFIED UTILITY CONTRACTORS

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

Christian County Water

Cleary Construction

Attention: Darren Cleary

2006 Edmonton Rd

Tompkinsville KY 42167-7445

Scott & Ritter, Inc.

Attention: Luke Ritter

P.O. Box 749

Bowling Green KY 42102-0749

Twin States Utilities, Inc.

Attention: Joe Finley

9440 Old Glasgow Road

Mount Hermon KY 42157-8005

ROE Enterprises Inc DBA Swartz Pipeline Contracting

Attention: Billy Hancock

P.O. Box 44

Olympia, KY 40358

Phone: 606-674-2971

swartz@kih.net

Hopkinsville Water Environment Authority

Twin State Utilities, Inc.

Chris Adams, Superintendent

cadams@twinstatesinc.com

270-427-5300

P.O. Box 14

Mount Hermon, KY 42157

Scott & Ritter, Inc.

David Bayles, Vice President

dbayles@scottandritter.com

270-781-9988

2385 Barren River Rd

Bowling Green, KY 42101

Cleary Construction, Inc.

Darren Cleary, President & CEO

270-487-1784

2006 Edmonton Rd

Tompkinsville, KY 42167

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

When the list of approved subcontractors for the utility work is not provided in these general notes, the utility work can be completed by the prime contractor. If the prime contractor chooses to subcontract the work, the subcontractor shall be prequalified with the KYTC Division of Construction Procurement in the work type of "Utilities" (I33). Those who would like to become prequalified may contact the Division of Construction Procurement at (502) 564-3500. Please note: it could take up to 30 calendar days for prequalification to be approved. The prequalification does not have to be approved prior to the bid, but must be approved before the subcontract will be approved by KYTC and the work can be performed.

CONTRACT ADMINISTRATION RELATIVE TO UTILITY WORK

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

SUBMITTALS AND CORRESPONDENCE

All submittals and correspondence of any kind relative to utility work included in the road contract shall be directed to the KYTC Section Engineer, a copy of which may also be supplied to the utility owner by the contractor to expedite handling of items like material approvals and shop drawings. All approvals and

correspondence generated by the utility owner shall be directed to the KYTC Section Engineer. The KYTC Section Engineer will relay any approvals or correspondence to the utility contractor as appropriate. At no time shall any direct communication between the utility owner and utility contractor without the communication flowing through the KYTC Section Engineer be considered official and binding under the contract.

ENGINEER

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

INSPECTOR OR RESIDENT PROJECT REPRESENTATIVE

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

NOTICE TO UTILITY OWNERS OF THE START OF WORK

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

UTILITY SHUTDOWNS

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

Notice to customers of utility shut downs is sometimes required to be performed by the utility contractor. The contractor may be required; but, is not limited to, making notice to utility customers in a certain

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

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

CUSTOMER SERVICE AND LATERAL ABANDONMENTS When temporary or permanent abandonment of customer water, gas, or sewer services or laterals are necessary during relocation of utilities included in the contract, the utility contractor shall perform these abandonments as part of the contract as incidental work. No separate payment will be made for service line and lateral abandonments. The contractor shall provide all labor, equipment and materials to accomplish the temporary or permanent abandonment in accordance with the plans, specifications and/or as directed by the engineer. Abandonment may include, but is not limited to, digging down on a water or gas main at the tap to turn off the tap valve or corporation stop and/or capping or plugging the tap, digging down on a sewer tap at the main and plugging or capping the tap, digging down on a service line or lateral at a location shown on the plans or agreeable to the engineer and capping or plugging, or performing any other work necessary to abandon the service or lateral to satisfactorily accomplish the final utility relocation.

STATIONS AND DISTANCES

All stations and distances, when indicated for utility placement in utility relocation plans or specifications, are approximate; therefore, some minor adjustment may have to be made during construction to fit actual field conditions. Any changes in excess of 6 inches of plan location shall be reviewed and approved jointly by the KYTC Section Engineer or designated representative and utility owner engineer or designated representative. Changes in location without prior approval shall be remedied by the contractor at his own expense if the unauthorized change creates an unacceptable conflict or condition.

RESTORATION

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

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

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

MATERIAL

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

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

All materials are to be supplied by the contractor per bid item descriptions, utility specifications and utility plans.

SECURITY OF SUPPLIED MATERIALS

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

PROPOSAL BID ITEMS

231302

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Report Date 3/15/23

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	26,258.00	TON		\$	
0020	00013		LIME STABILIZED ROADBED	49,209.00	SQYD		\$	
0030	00014		LIME	975.00	TON		\$	
0040	00020		TRAFFIC BOUND BASE	7.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	144.00	TON		\$	
0060	00103		ASPHALT SEAL COAT	18.00	TON		\$	
0070	00190		LEVELING & WEDGING PG64-22	412.00	TON		\$	
0080	00212		CL2 ASPH BASE 1.00D PG64-22	3,505.00	TON		\$	
0090	00214		CL3 ASPH BASE 1.00D PG64-22	8,924.00	TON		\$	
0100	00301		CL2 ASPH SURF 0.38D PG64-22	1,759.00	TON		\$	
0110	00324		CL3 ASPH SURF 0.50B PG64-22	2,491.00	TON		\$	
0120	00358		ASPHALT CURING SEAL	50.00	TON		\$	
0130	02702		SAND FOR BLOTTER	124.00	TON		\$	
0140	20071EC		JOINT ADHESIVE	8,732.00	LF		\$	
0150	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	28.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0160	00078		CRUSHED AGGREGATE SIZE NO 2	204.00	TON		\$	
0170	01000		PERFORATED PIPE-4 IN	204.00	LF		\$	
0180	01010		NON-PERFORATED PIPE-4 IN	98.00	LF		\$	
0190	01028		PERF PIPE HEADWALL TY 3-4 IN	4.00	EACH		\$	
0200	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	6.00	EACH		\$	
0210	02014		BARRICADE-TYPE III	4.00	EACH		\$	
0220	02091		REMOVE PAVEMENT	2,054.00	SQYD		\$	
0230	02159		TEMP DITCH	4,000.00	LF		\$	
0240	02223		GRANULAR EMBANKMENT	2,450.00	CUYD		\$	
0250	02230		EMBANKMENT IN PLACE	60,471.00	CUYD		\$	
0260	02242		WATER	300.00	MGAL		\$	
0270	02262		FENCE-WOVEN WIRE TYPE 1	6,888.00	LF		\$	
0280	02351		GUARDRAIL-STEEL W BEAM-S FACE	550.00	LF		\$	
0290	02367		GUARDRAIL END TREATMENT TYPE 1	4.00	EACH		\$	
0300	02429		RIGHT-OF-WAY MONUMENT TYPE 1	42.00	EACH		\$	
0310	02432		WITNESS POST	3.00	EACH		\$	
0320	02483		CHANNEL LINING CLASS II	1,126.00	TON		\$	
0330	02484		CHANNEL LINING CLASS III	242.00	TON		\$	
0340	02545		CLEARING AND GRUBBING 29 ACRES	1.00	LS		\$	
0350	02555		CONCRETE-CLASS B	24.40	CUYD		\$	
0360	02562		TEMPORARY SIGNS	200.00	SQFT		\$	
0370	02602		FABRIC-GEOTEXTILE CLASS 1	2,942.00	SQYD		\$	
0380	02603		FABRIC-GEOTEXTILE CLASS 2	3,650.00	SQYD		\$	
0390	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	1,914.00	SQYD	\$2.00	\$	\$3,828.00
0400	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	

PROPOSAL BID ITEMS

231302

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Report Date 3/15/23

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	02671		PORTABLE CHANGEABLE MESSAGE SIGN	3.00	EACH		\$	
0420	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0430	02677		ASPHALT PAVE MILLING & TEXTURING	10.00	TON		\$	
0440	02696		SHOULDER RUMBLE STRIPS	16,000.00	LF		\$	
0450	02701		TEMP SILT FENCE	4,000.00	LF		\$	
0460	02703		SILT TRAP TYPE A	29.00	EACH		\$	
0470	02704		SILT TRAP TYPE B	29.00	EACH		\$	
0480	02705		SILT TRAP TYPE C	29.00	EACH		\$	
0490	02706		CLEAN SILT TRAP TYPE A	29.00	EACH		\$	
0500	02707		CLEAN SILT TRAP TYPE B	29.00	EACH		\$	
0510	02708		CLEAN SILT TRAP TYPE C	29.00	EACH		\$	
0520	02726		STAKING	1.00	LS		\$	
0530	05950		EROSION CONTROL BLANKET	10,454.00	SQYD		\$	
0540	05952		TEMP MULCH	91,413.00	SQYD		\$	
0550	05953		TEMP SEEDING AND PROTECTION	68,560.00	SQYD		\$	
0560	05963		INITIAL FERTILIZER	3.00	TON		\$	
0570	05964		MAINTENANCE FERTILIZER	5.00	TON		\$	
0580	05985		SEEDING AND PROTECTION	84,680.00	SQYD		\$	
0590	05992		AGRICULTURAL LIMESTONE	52.00	TON		\$	
0600	06510		PAVE STRIPING-TEMP PAINT-4 IN	9,930.00	LF		\$	
0610	06542		PAVE STRIPING-THERMO-6 IN W	18,055.00	LF		\$	
0620	06543		PAVE STRIPING-THERMO-6 IN Y	21,343.00	LF		\$	
0630	06547		PAVE STRIPING-THERMO-12 IN Y	66.00	LF		\$	
0640	06568		PAVE MARKING-THERMO STOP BAR-24IN	60.00	LF		\$	
0650	06569		PAVE MARKING-THERMO CROSS-HATCH	11,083.00	SQFT		\$	
0660	06574		PAVE MARKING-THERMO CURV ARROW	32.00	EACH		\$	
0670	06610		INLAID PAVEMENT MARKER-MW	3.00	EACH		\$	
0680	06612		INLAID PAVEMENT MARKER-BY	247.00	EACH		\$	
0690	10020NS		FUEL ADJUSTMENT	56,745.00	DOLL	\$1.00	\$	\$56,745.00
0700	10030NS		ASPHALT ADJUSTMENT	67,061.00	DOLL	\$1.00	\$	\$67,061.00
0710	20099ES842		PAVE MARK TEMP PAINT STOP BAR	40.00	LF		\$	
0720	20191ED		OBJECT MARKER TY 3	4.00	EACH		\$	
0725	21289ED		LONGITUDINAL EDGE KEY (ADDED 3-15-23)	900.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0730	00441		ENTRANCE PIPE-18 IN	502.00	LF		\$	
0740	00443		ENTRANCE PIPE-24 IN	72.00	LF		\$	
0750	00462		CULVERT PIPE-18 IN	170.00	LF		\$	
0760	00466		CULVERT PIPE-30 IN	105.00	LF		\$	
0770	08002		STRUCTURE EXCAV-SOLID ROCK	47.00	CUYD		\$	
0780	08003		FOUNDATION PREPARATION (STATION 116+00)	1.00	LS		\$	
0790	08003		FOUNDATION PREPARATION (STATION 121+70)	1.00	LS		\$	
0800	08003		FOUNDATION PREPARATION (STATION 136+33)	1.00	LS		\$	

PROPOSAL BID ITEMS

231302

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Report Date 3/15/23

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0810	20695EN		STEEL STRUCTURAL PLATE BOX CULVERT (STATION 116+00)	107.50	LF		\$	
0820	20695EN		STEEL STRUCTURAL PLATE BOX CULVERT (STATION 121+70)	234.00	LF		\$	
0830	21804EN		3-SIDED CULVERT (STATION 136+33)	112.50	LF		\$	
0840	24814EC		PIPELINE INSPECTION	985.00	LF		\$	
0850	26131ED		SLOPED AND MITERED HEADWALL-18 IN	4.00	EACH		\$	
0860	26133ED		SLOPED AND MITERED HEADWALL-30 IN	2.00	EACH		\$	

Section: 0004 - WATERLINE - HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0870	14001		W AIR RELEASE VALVE 3/4 INCH	3.00	EACH		\$	
0880	14006		W ENCASMENT STEEL BORED RANGE 1	120.00	LF		\$	
0890	14007		W ENCASMENT STEEL BORED RANGE 2	100.00	LF		\$	
0900	14008		W ENCASMENT STEEL BORED RANGE 3	150.00	LF		\$	
0910	14019		W FIRE HYDRANT ASSEMBLY	3.00	EACH		\$	
0920	14036		W PIPE DUCTILE IRON 06 INCH	1,190.00	LF		\$	
0930	14037		W PIPE DUCTILE IRON 08 INCH	2,125.00	LF		\$	
0940	14047		W PIPE DCTL IRON RSTRND JOINT 06 IN	192.00	LF		\$	
0950	14048		W PIPE DCTL IRON RSTRND JOINT 08 IN	837.00	LF		\$	
0960	14095		W TIE-IN 08 INCH	2.00	EACH		\$	
0970	14589		W VALVE 06 INCH INST	2.00	EACH		\$	
0980	14590		W VALVE 08 INCH INST	6.00	EACH		\$	
0990	15014		S ENCASMENT STEEL BORED RANGE 1	150.00	LF		\$	

Section: 0005 - WATERLINE - CHRISTIAN CO WATER DISTRICT

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1000	14003		W CAP EXISTING MAIN (4")	2.00	EACH		\$	
1010	14021		W FIRE HYDRANT REMOVE VALVE BOX; CAP RISER	1.00	EACH		\$	
1020	14022		W FLUSH HYDRANT ASSEMBLY	1.00	EACH		\$	
1030	14030		W METER RELOCATE	1.00	EACH		\$	
1040	14089		W TAPPING SLEEVE AND VALVE SIZE 1	1.00	EACH		\$	
1050	14093		W TIE-IN 04 INCH	1.00	EACH		\$	
1060	14104		W VALVE 04 INCH	2.00	EACH		\$	
1070	14545		W PIPE PVC 04 INCH INST	2,496.00	LF		\$	
1080	14598		W VALVE CUT-IN 04 INCH INST	1.00	EACH		\$	

Section: 0006 - DEMOBILIZATION & MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1090	02568		MOBILIZATION	1.00	LS		\$	
1100	02569		DEMOBILIZATION	1.00	LS		\$	

KyTC BMP Plan for Project CID ## - #####



Kentucky Transportation Cabinet

Highway District 2 (1)

And

_____ (2), Construction

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

Groundwater protection plan

For Highway Construction Activities

For

New Connector from KY 115 to US 41 (Section 1) in CHRISTIAN County (1)

Project: CID ## - #####

KyTC BMP Plan for Project CID ## - #####

Project information

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

1. Owner – Kentucky Transportation Cabinet, District 2 (1)
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 115 (1)
6. Latitude/Longitude (project mid-point) 36.776456, -87.369972 (1)
7. County (project mid-point) Christian (1)
8. Project start date (date work will begin): (2)
9. Projected completion date: (2)

KyTC BMP Plan for Project CID ## - #####

A. Site description:

1. Nature of Construction Activity (from letting project description) New Connector from KY 115 to US 41 (Section 1) in Christian County (1)
2. Order of major soil disturbing activities (2) and (3)
3. Projected volume of material to be moved 98,150 CY (1)
4. Estimate of total project area (acres) 30 (1)
5. Estimate of area to be disturbed (acres) 29.39 (1)
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. (1)
7. Data describing existing soil condition (1) & (2) See Geotech report if available. See Roadway Plans
8. Data describing existing discharge water quality (if any) No existing water quality information available (1) & (2)
9. Receiving water name Montgomery Creek (1)
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 CID ## -

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.

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Areas that are a source of pollutants will receive appropriate cover 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

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- Finish Work (Paving, Seeding, Protect, etc.) – A final BMP Plan will result from modifications during this phase of construction. Probably changes include:
 - 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: Seeding and Protection, Erosion Control Blanket. (1)

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 Section 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.

KyTC BMP Plan for Project CID ## -

4. Spill Prevention

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:**

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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.

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:

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- 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 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. No other local requirements are being added to this project. (1)

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

KyTC BMP Plan for Project CID ## -

the purpose of post construction storm water management with specific guidance for any non-routine maintenance. No features of this project will require post construction maintenance over and above normal maintenance procedures. (1)

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 successfully completed the KEPSC-RI course as required by Section 213.02.02 of the Standard Specifications for Road and Bridge Construction, current edition.
- 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 50 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.

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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:

- Water from water line flushings.
- Water form 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;

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_____ 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);

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.)

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Sub-Contractor Certification

The following sub-contractor shall be made aware of the BMP plan and responsible for implementation of BMPs identified in this plan as follows:

Subcontractor

Name:
Address:
Address:

Phone:

The part of BMP plan this subcontractor is responsible to implement is:

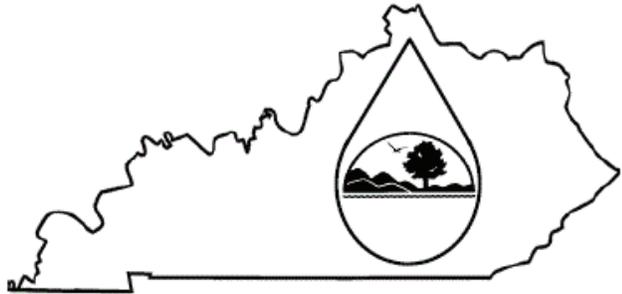
I certify under penalty of law that I understand the terms and conditions of the general Kentucky Pollutant Discharge Elimination System permit that authorizes the storm water discharges, the BMP plan that has been developed to manage the quality of water to be discharged as a result of storm events associated with the construction site activity and management of non-storm water pollutant sources identified as part of this certification.

Signed _____ title _____, _____
Typed or printed name¹ signature

1. Sub Contractor Note: to be signed by a person who is the owner, a responsible corporate officer, a general partner or the proprietor or a person designated to have the authority to sign reports by such a person in accordance with 401 KAR 5:060 Section 9. This delegation shall be in writing to: Manager, KPDES Branch, Division of Water, 14 Reilly Road, Frankfort Kentucky 40601. Reference the Project Control Number (PCN) and KPDES number when one has been issued.

Thank you for submitting your information via the Kentucky Department for Environmental Protection eForms website. Please save a copy of this submittal for your records. We recommend saving a copy as a .mht, .html, or .htm file. The Submittal ID for this transaction is 321488 and was submitted on October 20, 2022 02:46 PM Eastern Time. If you need to contact EEC regarding your submission, please reference your Submittal ID.

The eForm Submittal ID allows you to use the data from this submittal as a template and/or download a copy of your submittal.

	<h2 style="margin: 0;">KENTUCKY POLLUTION DISCHARGE ELIMINATION SYSTEM (KPDES)</h2> <p style="margin: 10px 0;">Notice of Intent (NOI) for coverage of Storm Water Discharge Associated with Construction Activities Under the KPDES Storm Water General Permit KYR100000</p> <p style="margin: 10px 0;">Click here for Instructions (Controls/KPDES_FormKYR10_Instructions.)</p> <p style="margin: 10px 0;">Click here to obtain information and a copy of the KPDES General Permit. (http://dep.ky.gov/formslibrary/Documents/KYR10PermitPage.pdf)</p> <p style="margin: 10px 0;">(*) indicates a required field; (✓) indicates a field may be required based on user input or is an optionally required field</p>
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Reason for Submittal:(*) <input type="text" value="Application for New Pern"/>	Agency Interest ID: <input type="text" value="Agency Interest ID"/>	Permit Number:(✓) <input type="text" value="KPDES Permit Number"/>
If change to existing permit coverage is requested, describe the changes for which modification of coverage is being sought: (✓) <input style="width: 100%; height: 20px;" type="text"/>		
ELIGIBILITY: Stormwater discharges associated with construction activities disturbing individually one (1) acre or more, including, in the case of a common plan of development, contiguous construction activities that cumulatively equal one (1) acre or more of disturbance.		
EXCLUSIONS: The following are excluded from coverage under this general permit: 1) Are conducted at or on properties that have obtained an individual KPDES permit for the discharge of other wastewaters which requires the development and implementation of a Best Management Practices (BMP) plan; 2) Any operation that the DOW determines an individual permit would better address the discharges from that operation; 3) Any project that discharges to an Impaired Water listed in the most recent Integrated Report, §305(b) as impaired for sediment and for which an approved TMDL has been developed.		
SECTION I -- FACILITY OPERATOR INFORMATION (PERMITTEE)		
Company Name:(✓) <input type="text" value="Kentucky Transportation Cabinet - D"/>	First Name:(✓) <input type="text" value="Deneatra"/>	M.I.: <input type="text" value="M"/>
		Last Name:(✓) <input type="text" value="Henderson"/>
Mailing Address:(*) <input type="text" value="1840 North Main Street"/>	City:(*) <input type="text" value="Madisonville"/>	State:(*) <input type="text" value="Kentucky"/>
		Zip:(*) <input type="text" value="42431"/>
eMail Address:(*) <input type="text" value="Deneatra.Henderson@ky.gov"/>	Business Phone:(*) <input type="text" value="270 824 7080"/>	Alternate Phone: <input type="text" value="270 791 4396"/>
SECTION II -- GENERAL SITE LOCATION INFORMATION		

Project Name:(*) 2-381.1 - Christian County - New Connector f		Status of Owner/Operator(*) State Governme	SIC Code(*) 1611 Highway a
Company Name:(✓) Kentucky Transportation Cabinet - D	First Name:(✓) Deneatra	M.I.: M	Last Name:(✓) Henderson
Site Physical Address:(*) Christian County - Just South of Pembroke KY			
City:(*) Pembroke	State:(*) Kentucky	Zip:(*) 42266	
County:(*) Christian	Latitude(decimal degrees)(*)DMS to DD Converter (https://www.fcc.gov/media/radio/dms-decimal) 36.776456	Longitude(decimal degrees)(*) -87.369972	

SECTION III -- SPECIFIC SITE ACTIVITY INFORMATION

Section III requires part A or part B to be completed.

Project Description:(*) Christian County - New Connector from KY 115 to US 41	
a. For single projects provide the following information	
Total Number of Acres in Project:(✓) 30	Total Number of Acres Disturbed:(✓) 29.39
Anticipated Start Date:(✓) 1/16/2023	Anticipated Completion Date:(✓) 11/30/2023
b. For common plans of development provide the following information	
Total Number of Acres in Project:(✓) # Acre(s)	Total Number of Acres Disturbed:(✓) # Acre(s)
Number of individual lots in development, if applicable:(✓) # lot(s)	Number of lots in development:(✓) # lot(s)
Total acreage of lots intended to be developed:(✓) Project Acres	Number of acres intended to be disturbed at any one time:(✓) Disturbed Acres
Anticipated Start Date:(✓) [Empty]	Anticipated Completion Date:(✓) [Empty]
List Building Contractor(s) at the time of Application:(*) Company Name	

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

Complete the following table if the permitted site discharges to a water body. Please note that if you enter a row in the below table, all columns are required to be filled out.

Unnamed Tributary?: Does discharge enter an unnamed tributary prior to entering a named receiving water?

Latitude in decimal degrees: Format must be between 36.490000 and 39.150000, with a minimum of 5 decimal points of accuracy.

Longitude in decimal degrees: Format must be between -89.580000 and -81.960000, with a minimum of 5 decimal points of accuracy.

Receiving Water Name: Receiving water name must be from the following list of possible receiving waters.(click here for a list (Controls/ReceivingStream.htm)). If the discharge flows into an unnamed tributary, please enter the first "named" receiving water for which the unnamed tributary(ies) eventually flows into.

Discharge Point(s):			
<u>Unnamed Tributary?</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Receiving Water Name</u>
Yes	36.770457	-87.366511	Montgomery Creek
Yes	36.770545	-87.366552	Montgomery Creek
Yes	36.771031	-87.368672	Montgomery Creek
Yes	36.764943	-87.371390	Montgomery Creek
Yes	36.762945	-87.371629	Montgomery Creek
Yes	36.762445	-87.371809	Montgomery Creek
Yes	36.762042	-87.371954	Montgomery Creek
Yes	36.759477	-87.372656	Montgomery Creek
Yes	36.759415	-87.373097	Montgomery Creek
Yes	36.772384	-87368525	Montgomery Creek
Yes	36.776685	-87369367	Montgomery Creek

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

List all MS4 Discharge Points

Latitude in decimal degrees. Format must be between 36.490000 and 39.150000, with a minimum of 5 decimal points of accuracy.

Longitude in decimal degrees. Format must be between -89.580000 and -81.960000, with a minimum of 5 decimal points of accuracy.

Name of MS4:					
<input type="text"/>					
Date of application/notification to the MS4 for construction site permit coverage:	Discharge Point(s):(*)				
<input type="text" value="Date"/>	<table border="1"> <tr> <td><u>Latitude</u></td> <td><u>Longitude</u></td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>	<u>Latitude</u>	<u>Longitude</u>	<input type="text"/>	<input type="text"/>
<u>Latitude</u>	<u>Longitude</u>				
<input type="text"/>	<input type="text"/>				

SECTION VI -- WILL THE PROJECT REQUIRE CONSTRUCTION ACTIVITIES IN A WATER BODY OR THE RIPARIAN ZONE?

Will the project require construction activities in a water body or the riparian zone?:(*)	<input type="text" value="Yes"/>
If Yes, describe scope of activity: (✓)	<input type="text" value="Building a culvert for the road to pass over a"/>
Is a Clean Water Act 404 permit required?:(*)	<input type="text" value="Yes"/>
Is a Clean Water Act 401 Water Quality Certification required?:(*)	<input type="text" value="Yes"/>

SECTION VII -- NOI PREPARER INFORMATION

First Name:(*) George	M.I.: M	Last Name:(*) Phelps	Company Name:(*) KYTC D-02	
Mailing Address:(*) 1840 North Main Street		City:(*) Madisonville	State:(*) Kentucky	Zip:(*) 42431
eMail Address:(*) GeorgeB.Phelps@ky.gov		Business Phone:(*) 270 824 7080	Alternate Phone: 270 339 1870	

SECTION VIII -- ATTACHMENTS

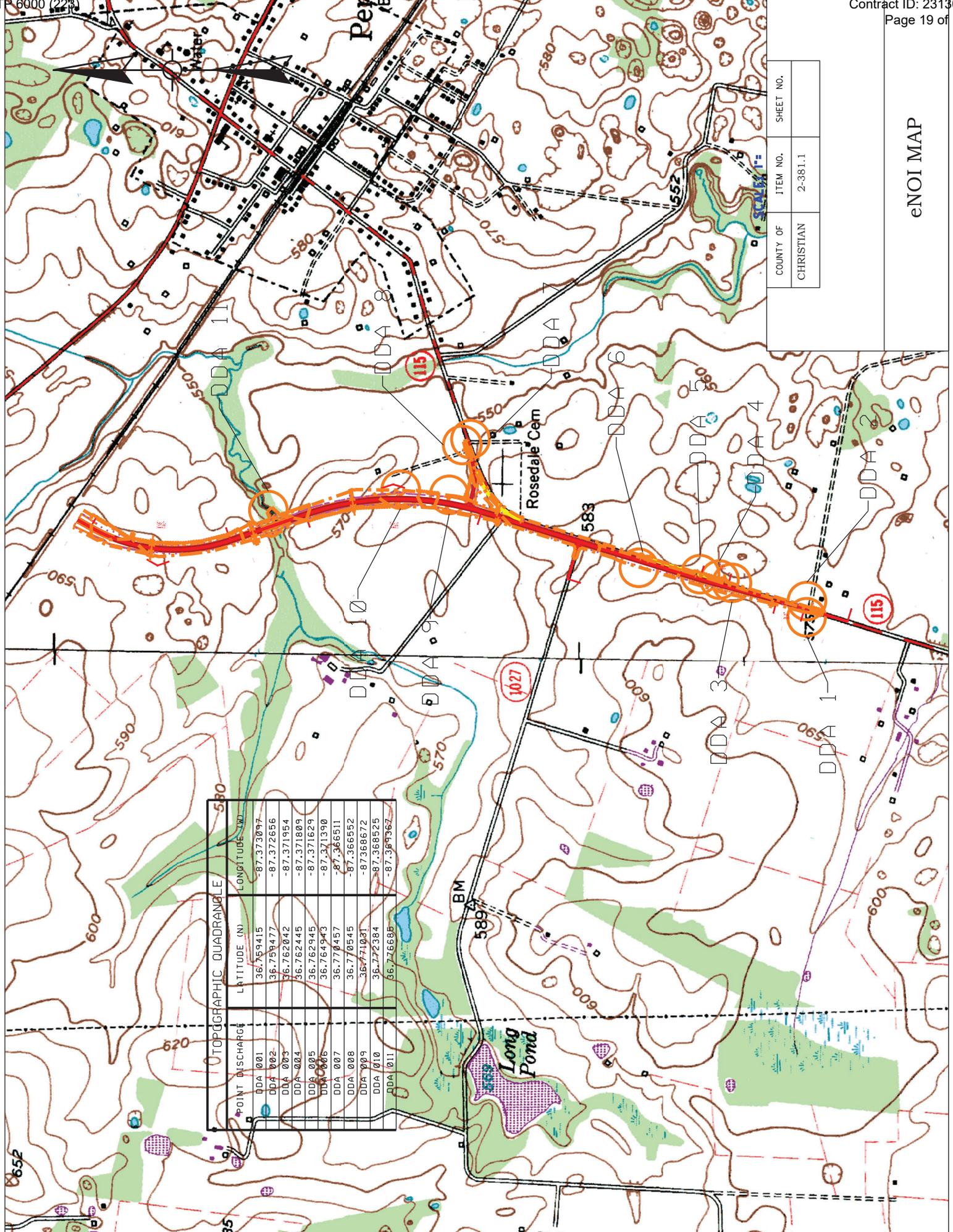
Facility Location Map:(*)	<input type="button" value="Upload file"/>
Supplemental Information:	<input type="button" value="Upload file"/>

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:(*) Deneatra Henderson		Title:(*) Chief District Engineer	
First Name:(*) Deneatra	M.I.: MI	Last Name:(*) Henderson	
eMail Address:(*) Deneatra.Henderson@ky.go	Business Phone:(*) 270 824 7080	Alternate Phone: 270 791 4396	Signature Date:(*) 10/20/20

<input type="button" value="Click to Save Values for Future Retrieval"/>	<input type="button" value="Click to Submit to EEC"/>
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TOPOGRAPHIC QUADRANGLE

POINT DISCHARGE	LATITUDE (N)	LONGITUDE (W)
DDA 001	36.759415	-87.373097
DDA 002	36.759477	-87.372656
DDA 003	36.762042	-87.371954
DDA 004	36.762445	-87.371809
DDA 005	36.762945	-87.371629
DDA 006	36.764943	-87.371390
DDA 007	36.770457	-87.366511
DDA 008	36.770545	-87.366552
DDA 009	36.771031	-87.366672
DDA 010	36.772384	-87.368525
DDA 011	36.776685	-87.369367

COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-381.1	

eNOI MAP

ITEM	DESCRIPTION	NOTES(S)	UNIT	KY 115	KY 115 CONNECTOR															TOTAL PROJECT
00078	CRUSHED AGGREGATE SIZE NO 2		TON	204																204
01000	PERFORATED PIPE-4 IN	①	LF	204																204
01010	NON-PERFORATED PIPE-4 IN	②	LF	98																98
01028	PERF PIPE HEADWALL TY 3-4 IN	③	EACH	4																4
01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	④	EACH	6																6
02014	BARRICADE-TYPE III		EACH	4																4
02091	REMOVE PAVEMENT		SQYD	2054																2054
02159	TEMP DITCH		LF	4000																4000
02223	GRANULAR EMBANKMENT		CUYD	2450																2450
02230	EMBANKMENT IN PLACE		CUYD	60471																60471
02242	WATER	⑤	MGAL	300																300
02262	FENCE-WOVEN WIRE TYPE 1		LF	6888																6888
02351	GUARDRAIL-STEEL W BEAM-5 FACE		LF	550																550
02367	GUARDRAIL END TREATMENT TYPE 1		EACH	4																4
02429	RIGHT-OF-WAY MONUMENT TYPE 1		EACH	37	5															42
02432	WITNESS POST		EACH	3																3
02483	CHANNEL LINING CLASS II	⑥	TON	1126																1126
02484	CHANNEL LINING CLASS III		TON	242																242
02545	CLEARING AND GRUBBING	⑦	LS	1																1
02555	CONCRETE-CLASS B		CUYD	24.4																24.4
02562	TEMPORARY SIGNS		SQFT	200																200
02568	MOBILIZATION		LS	1																1
02569	DEMOLITION		LS	1																1
02602	FABRIC-GEOTEXTILE CLASS 1	⑧	SQYD	2942																2942
02603	FABRIC-GEOTEXTILE CLASS 2		SQYD	3650																3650
02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	⑨	SQYD	1914																1914
02650	MAINTAIN & CONTROL TRAFFIC		LS	1																1
02671	PORTABLE CHANGEABLE MESSAGE SIGN		EACH	3																3
02676	MOBILIZATION FOR MILL & TEXT		LS	1																1
02677	ASPHALT PAVE MILLING & TEXTURING	⑩	TON	5	5															10
02696	SHOULDER RUMBLE STRIPS		LF	16000																16000
02701	TEMP SILT FENCE		LF	4000																4000
02703	SILT TRAP TYPE A		EACH	29																29
02704	SILT TRAP TYPE B		EACH	29																29
02705	SILT TRAP TYPE C		EACH	29																29
02706	CLEAN SILT TRAP TYPE A		EACH	29																29
02707	CLEAN SILT TRAP TYPE B		EACH	29																29
02708	CLEAN SILT TRAP TYPE C		EACH	29																29
02726	STAKING		LS	1																1
05950	EROSION CONTROL BLANKET		SQYD	9786	668															10454
05952	TEMP MULCH		SQYD	91413																91413
05953	TEMP SEEDING AND PROTECTION		SQYD	68560																68560
05963	INITIAL FERTILIZER		TON	3																3
05964	MAINTENANCE FERTILIZER		TON	5																5
05985	SEEDING AND PROTECTION		SQYD	84680																84680
05992	AGRICULTURAL LIMESTONE		TON	52																52
06510	PAVE STRIPING-TEMP PAINT-4 IN		LF	7800	2130															9930
06542	PAVE STRIPING-THERMO-6 IN W		LF	16680	1375															18055
06543	PAVE STRIPING-THERMO-6 IN Y		LF	19893	1450															21343
06547	PAVE STRIPING-THERMO-12 IN Y		LF	66																66
06568	PAVE MARKING-THERMO STOP BAR-24IN		LF	36	24															60
06569	PAVE MARKING-THERMO CROSS-HATCH		SF	11083																11083
06574	PAVE MARKING-THERMO CURV ARROW		EACH	32																32
06610	INLAID PAVEMENT MARKER-MW		EACH	3																3
06612	INLAID PAVEMENT MARKER-BY		EACH	247																247
10020NS	FUEL ADJUSTMENT		DOLL	56745																56745
10030NS	ASPHALT ADJUSTMENT		DOLL	67061																67061
20191ED	OBJECT MARKER TY 3		EACH	4																4
20099ES842	PAVE MARK TEMP PAINT STOP BAR		LF	12	28															40
21289ED	LONGITUDINAL EDGE KEY		LF	900																900

NOTES:

EROSION CONTROL QUANTITIES ARE BASED ON THE PROBABLE AMOUNT OF EROSION CONTROL FEATURES AS ESTIMATED BY THE DESIGNER.

① INCLUDES THE FOLLOWING FROM GEOTECH NOTES: #10-3 TONS, #11-1 TON, #14-200 TONS

② INCLUDES THE FOLLOWING FROM GEOTECH NOTES: #10-162 LF, #11-42 LF

③ INCLUDES THE FOLLOWING FROM GEOTECH NOTES: #10-86 LF, #11-12 LF

④ INCLUDES THE FOLLOWING FROM GEOTECH NOTES: #10-3 EACH, #11-1 EACH

⑤ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY

⑥ INCLUDES THE FOLLOWING: 521 TONS FROM DITCH LINING 605 TONS FROM PIPE SUMMARY

⑦ APPROXIMATELY 29 ACRES

⑧ INCLUDES THE FOLLOWING: 1000 SQYD FROM GEOTECH NOTE #14 958 SQYD FROM PIPE SUMMARY 984 SQYD FROM DITCH LINING

⑨ FOR WRAPPING PIPE TRENCH BACKFILL MILLINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EARTHWORK CALCULATIONS:
EMBANKMENT:

56,040	- CUYD EMB. TOTAL
4,431	- CUYD PROFILE BENCHING
<hr/>	
60,471	- CUYD EMB. TOTAL
<hr/>	
EXCAVATION:	
37,679	- CUYD COM. EXC. TOTAL
<hr/>	
18,361	- CUYD EMB NEEDED

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COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: jordan

OpenRoads Designer v10.14.4.4

DATE PLOTTED: 9/7/2005 7:08:02 PM

FILE NAME: C:\PW\WORKING\DIR\AEI-PW.BENTLEY.COM_AE-PW-01\JORDAN\AEI.CC\DM52549602_00381_10_F_GENERALSUMMARY.DGN

DRAWING TITLE: GENERAL SUMMARY

ITEM NO. 02-00381.10 COUNTY OF CHRISTIAN
SHEET NO. R2C

ITEM	DESCRIPTION	NOTES(S)	UNIT	KY 115	KY 115 CONNECTOR															TOTAL PROJECT
00078	CRUSHED AGGREGATE SIZE NO 2		TON	204																204
01000	PERFORATED PIPE-4 IN	①	LF	204																204
01010	NON-PERFORATED PIPE-4 IN	②	LF	98																98
01028	PERF PIPE HEADWALL TY 3-4 IN	③	EACH	4																4
01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	④	EACH	6																6
02014	BARRICADE-TYPE III		EACH	4																4
02091	REMOVE PAVEMENT		SQYD	2054																2054
02159	TEMP DITCH		LF	4000																4000
02223	GRANULAR EMBANKMENT		CUYD	2450																2450
02230	EMBANKMENT IN PLACE		CUYD	60471																60471
02242	WATER	⑤	MGAL	300																300
02262	FENCE-WOVEN WIRE TYPE 1		LF	6888																6888
02351	GUARDRAIL-STEEL W BEAM-5 FACE		LF	550																550
02367	GUARDRAIL END TREATMENT TYPE 1		EACH	4																4
02429	RIGHT-OF-WAY MONUMENT TYPE 1		EACH	37	5															42
02432	WITNESS POST		EACH	3																3
02483	CHANNEL LINING CLASS II	⑥	TON	1126																1126
02484	CHANNEL LINING CLASS III		TON	242																242
02545	CLEARING AND GRUBBING	⑦	LS	1																1
02555	CONCRETE-CLASS B		CUYD	24.4																24.4
02562	TEMPORARY SIGNS		SQFT	200																200
02568	MOBILIZATION		LS	1																1
02569	DEMOLITION		LS	1																1
02602	FABRIC-GEOTEXTILE CLASS 1	⑧	SQYD	2942																2942
02603	FABRIC-GEOTEXTILE CLASS 2		SQYD	3650																3650
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