



Matthew G. Bevin
Governor

**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Greg Thomas
Secretary

October 17, 2018

CALL NO. 105
CONTRACT ID NO. 181234
ADDENDUM # 1

Subject: CARTER COUNTY, STP BRZ 0903 (213)
Letting October 26, 2018

- (1) Revised - General Utility Notes - Pages 37-41 of 176
- (2) Revised - Proposal Bid Items - Pages 173-176 of 176
- (3) Revised - Plan Sheet - R2b

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

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

Sincerely,

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

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

RM:mr
Enclosures



An Equal Opportunity Employer M/F/D

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:

ConnHurst, LLC – Freddie Conn
Opell Excavating – Steve Opell
Southern Ohio Trenching – Mark Bamer
NorthEast Excavating – Gene Wilburn
G&W Construction – Darrell Alderman
BearTraxx Inc. – Dwight Keeton
Swartz Pipeline Contracting – Norman Swartz

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:

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

SECURITY OF SUPPLIED MATERIALS

If any utility materials are to be supplied by the utility owner, it will be the responsibility of the utility contractor to secure all utility owner supplied materials after delivery to the project site. The utility

contractor shall coordinate directly with the utility owner and their suppliers for delivery and security of the supplied materials. Any materials supplied by the utility owner and delivered to the construction site that are subsequently stolen, damaged or vandalized and deemed unusable shall be replaced with like materials at the contractor's expense.

PROPOSAL BID ITEMS

181234

Page 1 of 4

Report Date 10/17/18

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	5,232.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	161.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	19.00	TON		\$	
0040	00214		CL3 ASPH BASE 1.00D PG64-22	5,540.00	TON		\$	
0050	00339		CL3 ASPH SURF 0.38D PG64-22	932.00	TON		\$	
0060	00356		ASPHALT MATERIAL FOR TACK	12.00	TON		\$	
0070	02098		CEM CONC ENT PAVEMENT-4 IN	187.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0080	00078		CRUSHED AGGREGATE SIZE NO 2	7,187.00	TON		\$	
0090	00190		LEVELING & WEDGING PG64-22	200.00	TON		\$	
0100	01000		PERFORATED PIPE-4 IN	67.50	LF		\$	
0110	01010		NON-PERFORATED PIPE-4 IN	20.00	LF		\$	
0120	01028		PERF PIPE HEADWALL TY 3-4 IN	2.00	EACH		\$	
0130	01825		ISLAND CURB AND GUTTER	200.00	LF		\$	
0140	02014		BARRICADE-TYPE III	4.00	EACH		\$	
0150	02159		TEMP DITCH	1,825.00	LF		\$	
0160	02160		CLEAN TEMP DITCH	912.50	LF		\$	
0170	02230		EMBANKMENT IN PLACE (REVISED: 10-17-18)	59,013.00	CUYD		\$	
0180	02242		WATER (FOR DUST CONTROL)	36.00	MGAL		\$	
0190	02351		GUARDRAIL-STEEL W BEAM-S FACE	2,087.50	LF		\$	
0200	02360		GUARDRAIL TERMINAL SECTION NO 1	3.00	EACH		\$	
0210	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	8.00	EACH		\$	
0220	02371		GUARDRAIL END TREATMENT TYPE 7	1.00	EACH		\$	
0230	02391		GUARDRAIL END TREATMENT TYPE 4A	5.00	EACH		\$	
0240	02429		RIGHT-OF-WAY MONUMENT TYPE 1	30.00	EACH		\$	
0250	02431		WITNESS R/W MONUMENT TYPE 2	9.00	EACH		\$	
0260	02432		WITNESS POST	31.00	EACH		\$	
0270	02483		CHANNEL LINING CLASS II	36.00	TON		\$	
0280	02484		CHANNEL LINING CLASS III	41.00	TON		\$	
0290	02545		CLEARING AND GRUBBING (APPROXIMATELY 18.4 ACRES)	1.00	LS		\$	
0300	02562		TEMPORARY SIGNS	510.00	SQFT		\$	
0310	02599		FABRIC-GEOTEXTILE TYPE IV	1,556.00	SQYD		\$	
0320	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	606.00	SQYD	\$2.00	\$	\$1,212.00
0330	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0340	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0350	02677		ASPHALT PAVE MILLING & TEXTURING	14.00	TON		\$	
0360	02697		EDGELINE RUMBLE STRIPS	7,300.00	LF		\$	
0370	02701		TEMP SILT FENCE	1,825.00	LF		\$	
0380	02703		SILT TRAP TYPE A	19.00	EACH		\$	
0390	02704		SILT TRAP TYPE B	19.00	EACH		\$	

PROPOSAL BID ITEMS

181234

Page 2 of 4

Report Date 10/17/18

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0400	02705		SILT TRAP TYPE C	19.00	EACH		\$	
0410	02706		CLEAN SILT TRAP TYPE A	19.00	EACH		\$	
0420	02707		CLEAN SILT TRAP TYPE B	19.00	EACH		\$	
0430	02708		CLEAN SILT TRAP TYPE C	19.00	EACH		\$	
0440	02726		STAKING	1.00	LS		\$	
0450	02731		REMOVE STRUCTURE (STEEL TRUSS BRIDGE AT APPROX. STA. 214+74)	1.00	LS		\$	
0460	02731		REMOVE STRUCTURE (STEEL TRUSS BRIDGE AT APPROX. STA. 223+65)	1.00	LS		\$	
0470	05950		EROSION CONTROL BLANKET	5,206.00	SQYD		\$	
0480	05952		TEMP MULCH	59,202.00	SQYD		\$	
0490	05953		TEMP SEEDING AND PROTECTION	44,402.00	SQYD		\$	
0500	05963		INITIAL FERTILIZER	2.10	TON		\$	
0510	05964		20-10-10 FERTILIZER	3.50	TON		\$	
0520	05985		SEEDING AND PROTECTION	67,894.00	SQYD		\$	
0530	05992		AGRICULTURAL LIMESTONE	42.00	TON		\$	
0540	06510		PAVE STRIPING-TEMP PAINT-4 IN	28,400.00	LF		\$	
0550	06514		PAVE STRIPING-PERM PAINT-4 IN	14,200.00	LF		\$	
0560	06550		PAVE STRIPING-TEMP REM TAPE-W	800.00	LF		\$	
0570	06551		PAVE STRIPING-TEMP REM TAPE-Y	800.00	LF		\$	
0580	10020NS		FUEL ADJUSTMENT	36,455.00	DOLL	\$1.00	\$	\$36,455.00
0590	10030NS		ASPHALT ADJUSTMENT	25,291.00	DOLL	\$1.00	\$	\$25,291.00
0600	20209EP69		GRANULAR PILE CORE	2,307.00	CUYD		\$	
0610	23274EN11F		TURF REINFORCEMENT MAT 1	1,009.00	SQYD		\$	
0620	23276EN11F		TURF REINFORCEMENT MAT 3	218.00	SQYD		\$	
0630	24540		R/W MONUMENT TYPE 3	6.00	EACH		\$	
0640	24814EC		PIPELINE INSPECTION	148.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0650	00440		ENTRANCE PIPE-15 IN	62.00	LF		\$	
0660	00454		ENTRANCE PIPE-30 IN EQUIV	52.00	LF		\$	
0670	00461		CULVERT PIPE-15 IN	3.00	LF		\$	
0680	00526		STORM SEWER PIPE-30 IN	148.00	LF		\$	
0690	01394		METAL END SECTION TY 3-30 IN	2.00	EACH		\$	
0700	01493		DROP BOX INLET TYPE 2	1.00	EACH		\$	
0710	01559		DROP BOX INLET TYPE 13G	1.00	EACH		\$	
0720	01691		FLUME INLET TYPE 2	2.00	EACH		\$	

Section: 0004 - BRIDGE - STA. 214+ 50.00 - DWG. 26795

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0730	02223		GRANULAR EMBANKMENT	3,565.00	CUYD		\$	
0740	02231		STRUCTURE GRANULAR BACKFILL	313.00	CUYD		\$	
0750	02599		FABRIC-GEOTEXTILE TYPE IV	2,591.00	SQYD		\$	

PROPOSAL BID ITEMS

181234

Page 3 of 4

Report Date 10/17/18

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0760	02998		MASONRY COATING	2,027.00	SQYD		\$	
0770	03299		ARMORED EDGE FOR CONCRETE	91.00	LF		\$	
0780	08001		STRUCTURE EXCAVATION-COMMON	2,336.00	CUYD		\$	
0790	08018		RETAINING WALL (#1)	281.00	SQFT		\$	
0800	08018		RETAINING WALL (#2)	9,528.00	SQFT		\$	
0810	08019		CYCLOPEAN STONE RIP RAP	4,951.00	TON		\$	
0820	08033		TEST PILES	136.00	LF		\$	
0830	08046		PILES-STEEL HP12X53	1,640.00	LF		\$	
0840	08094		PILE POINTS-12 IN	72.00	EACH		\$	
0850	08100		CONCRETE-CLASS A	319.40	CUYD		\$	
0860	08104		CONCRETE-CLASS AA	342.40	CUYD		\$	
0870	08150		STEEL REINFORCEMENT	59,824.00	LB		\$	
0880	08151		STEEL REINFORCEMENT-EPOXY COATED	101,986.00	LB		\$	
0890	08634		PRECAST PC I BEAM TYPE 4	1,079.00	LF		\$	
0900	21532ED		RAIL SYSTEM TYPE III	1,064.00	LF		\$	

Section: 0005 - BRIDGE - STA. 223+ 86.00 - DWG. 26796

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0910	02231		STRUCTURE GRANULAR BACKFILL	212.00	CUYD		\$	
0920	02599		FABRIC-GEOTEXTILE TYPE IV	264.00	SQYD		\$	
0930	02998		MASONRY COATING	497.00	SQYD		\$	
0940	03299		ARMORED EDGE FOR CONCRETE	67.00	LF		\$	
0950	08001		STRUCTURE EXCAVATION-COMMON	308.00	CUYD		\$	
0960	08019		CYCLOPEAN STONE RIP RAP	3,750.00	TON		\$	
0970	08033		TEST PILES	223.00	LF		\$	
0980	08046		PILES-STEEL HP12X53	2,329.00	LF		\$	
0990	08094		PILE POINTS-12 IN	52.00	EACH		\$	
1000	08100		CONCRETE-CLASS A	227.10	CUYD		\$	
1010	08104		CONCRETE-CLASS AA	275.60	CUYD		\$	
1020	08150		STEEL REINFORCEMENT	47,572.00	LB		\$	
1030	08151		STEEL REINFORCEMENT-EPOXY COATED	78,794.00	LB		\$	
1040	08634		PRECAST PC I BEAM TYPE 4	887.00	LF		\$	
1050	21532ED		RAIL SYSTEM TYPE III	450.00	LF		\$	

Section: 0006 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1060	05953		TEMP SEEDING AND PROTECTION	13,893.00	SQYD		\$	
1070	14004		W DIRECTIONAL BORE (6-IN HDPE CL-200 W/ 12-IN DR11 HDPE CASING)	483.00	LF		\$	
1080	14007		W ENCASEMENT STEEL BORED RANGE 2 (6-IN STEEL (SCH. 40) BORE & JACK CASING PIPE, W/ END SEALS, 6-IN X 2-IN PIPE SK	315.00	LF		\$	

PROPOSAL BID ITEMS

181234

Page 4 of 4

Report Date 10/17/18

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1090	14008		W ENCASEMENT STEEL BORED RANGE 3 (12-IN STEEL (SCH. 40) BORE & JACK CASING PIPE, W/END SEALS, 12-IN X 6-IN PIPE S	227.00	LF		\$	
1100	14019		W FIRE HYDRANT ASSEMBLY (W/ TEE, 6-IN GC/BOX (KENNEDY K81-D)	1.00	EACH		\$	
1110	14030		W METER RELOCATE (W/ 3/4-IN SERVICE TUBING)	6.00	EACH		\$	
1120	14056		W PIPE PVC 02 INCH (CL-200)	654.00	LF		\$	
1130	14059		W PIPE PVC 06 INCH (CL-200)	3,417.00	LF		\$	
1140	14060		W PIPE PVC 08 INCH (CL-200)	506.00	LF		\$	
1150	14091		W TIE-IN 02 INCH (W 2-IN X 2-IN TAPPING SLEEVE COMPLETE)	1.00	EACH		\$	
1160	14094		W TIE-IN 06 INCH (W/ 6-IN X 2-IN TAPPING SLEEVE COMPLETE)	1.00	EACH		\$	
1170	14094		W TIE-IN 06 INCH (W/ 6-IN X 6-IN TAPPING SLEEVE AND VALVE COMPLETE)	1.00	EACH		\$	
1180	14095		W TIE-IN 08 INCH (W/ 8-IN X 8-IN TAPPING SLEEVEAND VALVE COMPLETE)	2.00	EACH		\$	
1190	14102		W VALVE 02 INCH (W/ BOX/LID COMPLETE)	4.00	EACH		\$	
1200	14635		W LEAK DETECTION METER INST	3.00	EACH		\$	

Section: 0007 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1210	02568		MOBILIZATION	1.00	LS		\$	
1220	02569		DEMOBILIZATION	1.00	LS		\$	

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	KY 773	TOTAL PROJECT
78	CRUSHED AGGREGATE SIZE NO. 2	TON	7187	7187
190	LEVELING & WEDGING PG64-22	TON	200	200
1000	PERFORATED PIPE-4 IN	LF	67.5	67.5
1010	NON-PERFORATED PIPE-4 IN	LF	20	20
1028	PERF PIPE HEADWALL TY 3-4 IN	EACH	2	2
1825	ISLAND CURB AND GUTTER	LF	200	200
2014	BARRICADE-TYPE III	EACH	4	4
2159	TEMP DITCH	LF	1825	1825
2160	CLEAN TEMP DITCH	LF	812.5	812.5
2230	EMBANKMENT IN PLACE	CU YD	59013	59013
2242	WATER	M GAL	36	36
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	2087.50	2087.50
2360	GUARDRAIL TERMINAL SECTION NO. 1	EACH	3	3
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	8	8
2371	GUARDRAIL END TREATMENT TYPE 7	EACH	1	1
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	5	5
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	30	30
2431	WITNESS R/W MONUMENT TYPE 2	EACH	9	9
2432	WITNESS POST	EACH	31	31
2483	CHANNEL LINING CLASS II	TON	36	36
2484	CHANNEL LINING CLASS III	TON	41	41
2545	CLEARING AND GRUBBING	LF	1	1
2562	TEMPORARY SIGNS	SQ FT	510	510
2568	MOBILIZATION	LS	1	1
2569	DEMobilIZATION	LS	1	1
2599	FABRIC GEOTECHNICAL TYPE IV	SY	1556	1556
2600	FABRIC GEOTECHNICAL TYPE IV FOR PIPE	SY	606	606
2650	MAINTAIN & CONTROL TRAFFIC	LS	1	1
2676	MOBILIZATION FOR MILLING & TEXTURING	LS	1	1
2677	ASPHALT PAVE MILLING & TEXTURING	TON	14	14
2697	EDGE LINE RUMBLE STRIPS	LF	7300	7300
2701	TEMP SILT FENCE	LF	1825	1825
2703	SILT TRAP TYPE A	EACH	19	19
2704	SILT TRAP TYPE B	EACH	19	19
2705	SILT TRAP TYPE C	EACH	19	19
2706	CLEAN SILT TRAP TYPE A	EACH	19	19
2707	CLEAN SILT TRAP TYPE B	EACH	19	19
2708	CLEAN SILT TRAP TYPE C	EACH	19	19
2726	STAKING	LS	1	1
2731	REMOVE STRUCTURE	LS	1	1
2731	REMOVE STRUCTURE	LS	1	1
5950	EROSION CONTROL BLANKET	SQ YD	5206	5206
5952	TEMP MULCH	SQ YD	59202	59202
5953	TEMP SEEDING AND PROTECTION	SQ YD	44402	44402
5963	INITIAL FERTILIZER	TON	2.1	2.1
5964	FERTILIZER 20-10-10	TON	3.5	3.5
5985	SEEDING AND PROTECTION	SQ YD	67894	67894
5992	AGRICULTURE LIMESTONE	TON	42	42
6514	PAVE STRIPING-PERM PAINT-4 IN	LF	14200	14200
6510	PAVE STRIPING-TEMP PAINT-4 IN	LF	28400	28400
6550	PAVE STRIPING-TEMP REM TAPE-W	LF	800	800
6551	PAVE STRIPING-TEMP REM TAPE-Y	LF	800	800
24540	RIGHT-OF-WAY MONUMENT TYPE 3	EACH	6	6
10020NS	FUEL ADJUSTMENT	DOLL	36455	36455
10030NS	ASPHALT ADJUSTMENT	DOLL	25291	25291
20209EP69	GRANULAR PILE CORE	CU YD	2307	2307
2327MENIF	TURF REINFORCEMENT MAT 1	SQ YD	1009	1009
23276ENIF	TURF REINFORCEMENT MAT 3	SQ YD	218	218
24814EC	PIPELINE INSPECTION	LF	148	148

FILE NAME: P:\HIGHWAY\KY 773\FINAL PLANS 9-8506.00\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\R0020BSU.DGN
USF&R Jeremy DATE PLOTTED: October 16, 2018
MicrStation v8.11.7.443 E-SHEET NAME:

PAVING AREAS

COUNTY OF	ITEM NO.	SHEET NO.
CARTER	9-8506.00	R2b

ITEM	MAINLINE	APPROACH	ENTRANCE	S Q U A R E Y A R D S	
				TOTAL PROJECT	TOTAL
1/4" CL2 ASPHALT SURFACE 0.38D PG64-22	11873	792	891	13556	
2" CL2 ASPHALT BASE 1.00D PG64-22			903		
3" CL2 ASPHALT BASE 1.00D PG64-22	11946	801			
4" CL2 ASPHALT BASE 1.00D PG64-22	12181				
4" CRUSHED STONE BASE	9776		921	10697	
8" CRUSHED STONE BASE		823		823	
VARIABLE DEPTH CSB	1059			1059	
ASPHALT SEAL AGGREGATE	2153			2153	
ASPHALT SEAL COAT	2153			2153	

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	TOTAL PROJECT
3	CRUSHED STONE BASE	TON	5232
100	ASPHALT SEAL AGGREGATE	TON	161
103	ASPHALT SEAL COAT	TON	19
214	CLASS 2 ASPHALT BASE 1.00D PG64-22	TON	5540
339	CLASS 2 ASPHALT SURFACE 0.38D PG64-22	TON	932
356	ASPHALT MATERIAL FOR TACK	TON	12
2098	CEMENT CONCRETE ENTRANCE PAVEMENT 4"	SQ YD	187

PIPE DRAINAGE SUMMARY

SHEET NO.	ITEM CODE	LINEAR FEET	EACH	REMARKS		
					ENTRANCE PIPE	CULVERT PIPE
R3	KY 773					
R3	210+50	0'	M	12.1		
R5	LITTLE RIVER ROAD	15'	M	2.8		
R7	50+79					
	ENTRANCE					
	ENTRANCE					
	TOTAL PROJECT					

- ① INCLUDES 427 TONS PER GROTECHNICAL NOTE NO. 7.
- ② INCLUDES 6760 TONS PER GETECHNICAL NOTE NO. 9.
- ③ INCLUDES 2 TONS FOR PERFORATED PIPE HEADWALLS.
- ④ INCLUDES 200 TONS AS DEEMED NECESSARY BY THE ENGINEER.
- ⑤ INCLUDES 7526 CUBIC YARDS FOR EMBANKMENT BENCHING.
- ⑥ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.
- ⑦ NO TREE CLEARING IN JUNE OR JULY.
- ⑧ APPROXIMATELY 18.4 ACRES.
- ⑨ GEOTECHNICAL NOTE NO. 9.
- ⑩ FOR WRAPPING PIPE TRENCH BACKFILL.
- ⑪ INCLUDES 14 TONS FOR EDGE KEY, BOTH TRANSVERSE AND LONGITUDINAL AS DEEMED BY THE ENGINEER.
- ⑫ REMOVE STEEL TRUSS BRIDGES APPROX. STA 214+74.
- ⑬ REMOVE STEEL TRUSS BRIDGES APPROX. STA 223+65.
- ⑭ GEOTECHNICAL NOTE NO. 12.
- ⑮ QUANTITY IN CUBIC YARDS.

TOTAL EARTHWORK
 51487 CU YDS EMBANKMENT
 7526 CU YDS FOUNDATION BENCHING
 59013 CU YDS TOTAL EMBANKMENT
 21706 CU YDS TOTAL COMMON NOTES
 THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR DESIGN AND INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

NOTES

ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.

⑬ ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.

⑰ INCLUDES 200 TONS FOR MAINTENANCE OF TRAFFIC.

REMOVED EXTRA EARTHWORK NOTE

GENERAL, PIPE & PAVING
SUMMARY SHEET

SCALE: 1"=5'