COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

December 9, 2020

CALL NO. 102
CONTRACT ID NO. 201318
ADDENDUM # 2

Subject: MCCRACKEN COUNTY, STP 5009 (022)
Letting December 11, 2020

(1)Revised - Proposal Bid Items - Pages 135-139 of 139
(2)Revised - Plan Sheet - T1

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

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

RM:mr
Enclosures

PROPOSAL BID ITEMS

Report Date 12/9/20

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	20,726.00	TON		$	
0020	00069		CRUSHED AGGREGATE SIZE NO 3	1,234.00	TON		$	
0030	00100		ASPHALT SEAL AGGREGATE	105.00	TON		$	
0040	00103		ASPHALT SEAL COAT	13.00	TON		$	
0050	00212		CL2 ASPH BASE 1.00D PG64-22 (REVISED: 12-7-20)	20,462.00	TON		$	
0060	00309		CL2 ASPH SURF 0.50D PG64-22	645.00	TON		$	
0070	00356		ASPHALT MATERIAL FOR TACK	51.10	TON		$	
0080	02084		JPC PAVEMENT-8 IN	149.00	SQYD		$	
0090	23362ES403		CL2 ASPH SURF 0.5B PG64-22	2,695.00	TON		$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0100	00069		CRUSHED AGGREGATE SIZE NO 3	14,132.00	TON		$	
0110	00078		CRUSHED AGGREGATE SIZE NO 2	6.00	TON		$	
0120	01000		PERFORATED PIPE-4 IN	371.00	LF		$	
0130	01010		NON-PERFORATED PIPE-4 IN	72.00	LF		$	
0140	01020		PERF PIPE HEADWALL TY 1-4 IN	1.00	EACH		$	
0150	01024		PERF PIPE HEADWALL TY 2-4 IN	2.00	EACH		$	
0160	01028		PERF PIPE HEADWALL TY 3-4 IN	2.00	EACH		$	
0170	01032		PERF PIPE HEADWALL TY 4-4 IN	1.00	EACH		$	
0180	01310		REMOVE PIPE	44.00	LF		$	
0190	01691		FLUME INLET TYPE 2	6.00	EACH		$	
0200	01719		ADJUST INLET	1.00	EACH		$	
0210	01810		STANDARD CURB AND GUTTER	764.00	LF		$	
0220	01891		ISLAND HEADER CURB TYPE 2	200.00	LF		$	
0230	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	24.00	EACH		$	
0240	02014		BARRICADE-TYPE III	10.00	EACH		$	
0250	02091		REMOVE PAVEMENT	380.00	SQYD		$	
0260	02159		TEMP DITCH	3,080.00	LF		$	
0270	02160		CLEAN TEMP DITCH	1,540.00	LF		$	
0280	02200		ROADWAY EXCAVATION	38,865.00	CUYD		$	
0290	02204		SPECIAL EXCAVATION	8,075.00	CUYD		$	
0300	02242		WATER	584.00	MGAL		$	
0310	02360		GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH		$	
0320	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	8.00	EACH		$	
0330	02367		GUARDRAIL END TREATMENT TYPE 1	4.00	EACH		$	
0340	02381		REMOVE GUARDRAIL	660.00	LF		$	
0350	02429		RIGHT-OF-WAY MONUMENT TYPE 1	56.00	EACH		$	
0360	02432		WITNESS POST	56.00	EACH		$	
0370	02483		CHANNEL LINING CLASS II	235.00	TON		$	
0380	02484		CHANNEL LINING CLASS III	1,154.00	TON		$	
0390	02545		CLEARING AND GRUBBING (APPROXIMATELY 24 ACRES)	1.00	LS		$	

PROPOSAL BID ITEMS

Report Date 12/9/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0400	02562		TEMPORARY SIGNS	676.00	SQFT		$	
0410	02585		EDGE KEY	217.00	LF		$	
0420	02602		FABRIC-GEOTEXTILE CLASS 1	1,541.00	SQYD		$	
0430	02603		FABRIC-GEOTEXTILE CLASS 2	51,112.00	SQYD		$	
0440	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	463.00	SQYD	$2.00	$	$926.00
0450	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		$	
0460	02653		LANE CLOSURE	1.00	EACH		$	
0470	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		$	
0480	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		$	
0490	02677		ASPHALT PAVE MILLING & TEXTURING	6.00	TON		$	
0500	02690		SAFELOADING	68.00	CUYD		$	
0510	02696		SHOULDER RUMBLE STRIPS	9,176.00	LF		$	
0520	02697		EDGELINE RUMBLE STRIPS	132.00	LF		$	
0530	02701		TEMP SILT FENCE	3,080.00	LF		$	
0540	02703		SILT TRAP TYPE A	24.00	EACH		$	
0550	02704		SILT TRAP TYPE B	24.00	EACH		$	
0560	02705		SILT TRAP TYPE C	24.00	EACH		$	
0570	02706		CLEAN SILT TRAP TYPE A	24.00	EACH		$	
0580	02707		CLEAN SILT TRAP TYPE B	24.00	EACH		$	
0590	02708		CLEAN SILT TRAP TYPE C	24.00	EACH		$	
0600	02726		STAKING	1.00	LS		$	
0610	02731		REMOVE STRUCTURE (EXISTING 10' X 4' RCBC RT STA 186+05)	1.00	LS		$	
0620	02731		REMOVE STRUCTURE (EXISTING BRIDGE RT STA 195+14)	1.00	LS		$	
0630	02731		REMOVE STRUCTURE (EXISTING BRIDGE RT STA 198+61)	1.00	LS		$	
0640	03171		CONCRETE BARRIER WALL TYPE 9T	1,680.00	LF		$	
0650	04933		TEMP SIGNAL 2 PHASE	2.00	EACH		$	
0660	05950		EROSION CONTROL BLANKET	3,347.00	SQYD		$	
0670	05952		TEMP MULCH	77,440.00	SQYD		$	
0680	05953		TEMP SEEDING AND PROTECTION	58,080.00	SQYD		$	
0690	05963		INITIAL FERTILIZER	3.00	TON		$	
0700	05964		MAINTENANCE FERTILIZER	5.00	TON		$	
0710	05985		SEEDING AND PROTECTION	71,888.00	SQYD		$	
0720	05990		SODDING	11,379.00	SQYD		$	
0730	05992		AGRICULTURAL LIMESTONE	45.00	TON		$	
0740	06510		PAVE STRIPING-TEMP PAINT-4 IN	35,949.00	LF		$	
0750	06514		PAVE STRIPING-PERM PAINT-4 IN	30,807.00	LF		$	
0760	06516		PAVE STRIPING-PERM PAINT-8 IN	365.00	LF		$	
0770	06550		PAVE STRIPING-TEMP REM TAPE-W	3,136.00	LF		$	
0780	06551		PAVE STRIPING-TEMP REM TAPE-Y	5,194.00	LF		$	
0790	06568		PAVE MARKING-THERMO STOP BAR-24IN	156.00	LF		$	
0800	06570		PAVE MARKING-PAINT CROSS-HATCH	8,258.00	SQFT		$	
0810	06574		PAVE MARKING-THERMO CURV ARROW	33.00	EACH		$	
0820	06575		PAVE MARKING-THERMO COMB ARROW	1.00	EACH		$	
0830	06576		PAVE MARKING-THERMO ONLY	2.00	EACH		$	
0840	06588		PAVEMENT MARKER TY IVA-BY TEMP	294.00	EACH		$	
0850	08901		CRASH CUSHION TY VI CLASS BT TL2	8.00	EACH		$	
0860	10020NS		FUEL ADJUSTMENT	56,411.00	DOLL	$1.00	$	$56,411.00

PROPOSAL BID ITEMS

Report Date 12/9/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0870	10030NS		ASPHALT ADJUSTMENT	93,307.00	DOLL	$1.00	$	$93,307.00
0880	20100ES842		PAVE MARK TEMP PAINT LINE ARROW	2.00	EACH		$	
0890	20191ED		OBJECT MARKER TY 3	4.00	EACH		$	
0900	20455NS835		VIDEO CAMERA	2.00	EACH		$	
0910	20550ND		SAWCUT PAVEMENT	2,880.00	LF		$	
0920	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	1,196.50	LF		$	
0930	22765NN		ADVANCED WARNING BEACON	2.00	EACH		$	
0940	23010EN		PAVE MARK TEMP PAINT STOP BAR-24 IN	93.00	LF		$	
0950	23274EN11F		TURF REINFORCEMENT MAT 1	2,230.00	SQYD		$	
0960	23822EC		CORED HOLE DRAINAGE BOX CON-15 IN	1.00	EACH		$	
0970	24489EC		INLAID PAVEMENT MARKER	361.00	EACH		$	
0980	24814EC		PIPELINE INSPECTION	90.00	LF		$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0990	00440		ENTRANCE PIPE-15 IN	79.00	LF		$	
1000	00441		ENTRANCE PIPE-18 IN	258.00	LF		$	
1010	00443		ENTRANCE PIPE-24 IN	86.00	LF		$	
1020	00450		ENTRANCE PIPE-15 IN EQUIV	36.00	LF		$	
1030	00451		ENTRANCE PIPE-18 IN EQUIV	86.00	LF		$	
1040	00452		ENTRANCE PIPE-24 IN EQUIV	85.00	LF		$	
1050	00491		CULVERT PIPE-18 IN EQUIV	148.00	LF		$	
1060	00521		STORM SEWER PIPE-15 IN	31.00	LF		$	
1070	01433		SLOPED BOX OUTLET TYPE 1-18 IN	1.00	EACH		$	
1080	01440		SLOPED BOX INLET-OUTLET TYPE 1	4.00	EACH		$	
1090	01450		S & F BOX INLET-OUTLET-18 IN	1.00	EACH		$	
1100	01577		DROP BOX INLET TYPE 14	2.00	EACH		$	
1110	01634		CAP CURB BOX INLET	1.00	EACH		$	
1120	01705		REMOVE CURB & GUTTER BOX INLET	1.00	EACH		$	

Section: 0004 - BRIDGE - OVER MASSAC CREEK - DWG. 27607

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1130	02231		STRUCTURE GRANULAR BACKFILL	660.00	CUYD		$	
1140	03299		ARMORED EDGE FOR CONCRETE	128.70	LF		$	
1150	08003		FOUNDATION PREPARATION	1.00	LS		$	
1160	08019		CYCLOPEAN STONE RIP RAP	1,123.00	TON		$	
1170	08033		TEST PILES	158.00	LF		$	
1180	08051		PILES-STEEL HP14X89	2,499.00	LF		$	
1190	08100		CONCRETE-CLASS A	260.50	CUYD		$	
1200	08104		CONCRETE-CLASS AA	194.50	CUYD		$	
1210	08150		STEEL REINFORCEMENT	15,122.00	LB		$	
1220	08151		STEEL REINFORCEMENT-EPOXY COATED	42,119.00	LB		$	
1230	08500		APPROACH SLAB	358.00	SQYD		$	
1240	08670		PRECAST PC BOX BEAM SB27	564.00	LF		$	
1250	21532ED		RAIL SYSTEM TYPE III	144.00	LF		$	

PROPOSAL BID ITEMS

Report Date 12/9/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1260	23233EC		DYNAMIC PILE TESTING	4.00	EACH		$	
1270	23378EC		CONCRETE SEALING	9,255.00	SQFT		$	

Section: 0005 - BRIDGE - OVERFLOW STRUCTURE - DWG. 27608

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1280	02231		STRUCTURE GRANULAR BACKFILL	246.00	CUYD		$	
1290	03299		ARMORED EDGE FOR CONCRETE	129.50	LF		$	
1300	08003		FOUNDATION PREPARATION	1.00	LS		$	
1310	08019		CYCLOPEAN STONE RIP RAP	1,918.00	TON		$	
1320	08033		TEST PILES	230.00	LF		$	
1330	08051		PILES-STEEL HP14X89	4,242.00	LF		$	
1340	08100		CONCRETE-CLASS A	329.00	CUYD		$	
1350	08104		CONCRETE-CLASS AA	391.50	CUYD		$	
1360	08150		STEEL REINFORCEMENT	44,418.00	LB		$	
1370	08151		STEEL REINFORCEMENT-EPOXY COATED	114,631.00	LB		$	
1380	08500		APPROACH SLAB	359.80	SQYD		$	
1390	08632		PRECAST PC I BEAM TYPE 2	1,242.70	LF		$	
1400	21532ED		RAIL SYSTEM TYPE III	318.00	LF		$	
1410	23233EC		DYNAMIC PILE TESTING	8.00	EACH		$	
1420	23378EC		CONCRETE SEALING	5,655.00	SQFT		$	
1430	23813EC		DECK DRAIN	3.00	EACH		$	

Section: 0006 - BRIDGE - 10' X 4' R C BOX CULVERT - DWG. 27609

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1440	08003		FOUNDATION PREPARATION	1.00	LS		$	
1450	08100		CONCRETE-CLASS A	169.30	CUYD		$	
1460	08150		STEEL REINFORCEMENT	19,675.00	LB		$	

Section: 0007 - BRIDGE - DBL. 10' X 5' R C BOX CULVERT EXT. - DWG. 27610

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1470	02223		GRANULAR EMBANKMENT	149.00	CUYD		$	
1480	02403		REMOVE CONCRETE MASONRY	10.00	CUYD		$	
1490	08003		FOUNDATION PREPARATION	1.00	LS		$	
1500	08100		CONCRETE-CLASS A	142.20	CUYD		$	
1510	08150		STEEL REINFORCEMENT	18,838.00	LB		$	

Section: 0008 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1520	04820		TRENCHING AND BACKFILLING	34.00	LF		$	
1530	04844		CABLE-NO. 14/5C	1,502.00	LF		$	
1540	04885		MESSENGER-10800 LB	402.00	LF		$	

PROPOSAL BID ITEMS

Report Date 12/9/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1550	04932		INSTALL STEEL STRAIN POLE	4.00	EACH		$	
1560	20188NS835		INSTALL LED SIGNAL-3 SECTION	12.00	EACH		$	
1570	20390NS835		INSTALL COORDINATING UNIT	1.00	EACH		$	
1580	23157EN		TRAFFIC SIGNAL POLE BASE	17.00	CUYD		$	
1590	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	102.00	LF		$	
1600	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC (WITH 1C ATC MODULE)	1.00	EACH		$	
1610	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		$	
1620	26119EC		INSTALL RADAR PRESENCE DETECTOR TYPE A	4.00	EACH		$	
1630	26120EC		INSTALL RADAR ADVANCE DETECTOR TYPE B	2.00	EACH		$	

Section: 0009 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1640	02568		MOBILIZATION	1.00	LS		$	
1650	02569		DEMOBILIZATION	1.00	LS		$	

COUNTY OF	ITEM NO.	SHEET NO.
MCCRACKEN	1-152.00	T1

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	ITEM DESCRIPTION
34	LF	4820	TRENCHING AND BACKFILLING
1502	LF	4844	CABLE-NO. 14/5C
402	LF	4885	MESSENGER-10800 LB
4	EACH	4932	INSTALL STEEL STRAIN POLE
12	EACH	20188NS835	INSTALL SIGNAL-3 SECTION LED
1	EACH	20390NS835	INSTALL COORDINATING UNIT
17	CU YD	23157EN	TRAFFIC SIGNAL POLE BASE
1	EACH	24955ED	REMOVE SIGNAL EQUIPMENT
102	LF	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80
1	EACH	24908EC	INSTALL SIGNAL CONTROLLER TYPE-ATC (WITH 1C ATC MODULE)
4	EACH	26119EC	INSTALL RADAR PRESENCE DETECTOR TYPE A
2	EACH	26120EC	INSTALL RADAR ADVANCE DETECTOR TYPE B

MEASUREMENT NOTES THAT ARE IN ADDITION TO SECTION 723

INSTALL SIGNAL CONTROLLER TYPE ATC. THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT INSTALLED. THE DEPARTMENT WILL NOT MEASURE THE CONCRETE BASE, MOUNTING THE CABINET, CONNECTING THE SIGNAL AND DETECTORS, EXCAVATION, BACKFILLING, RESTORATION, ANY NECESSARY POLE MOUNTING HARDWARE, ELECTRIC SERVICE, ELECTRICAL INSPECTION FEES, AND REQUIRED BUILDING FEES INVOLVING UTILITY SECONDARY/PRIMARY SERVICE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL ALSO NOT MEASURE CONNECTING THE INDUCTION LOOP AMPLIFIERS, PEDESTRIAN ISOLATORS, LOAD SWITCHES, MODEL 400 MODEM CARD FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL ALSO NOT MEASURE FURNISHING AND INSTALLING ELECTRICAL SERVICE CONDUCTORS, CONDUITS, ANCHORS, METER BASE, FUSED CUTOUT, FUSES, GROUND RODS, GROUND LUGS, AND GROUND WIRES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

INSTALL RADAR PRESENCE DETECTOR TYPE A AND TYPE B SHALL CONSIST OF INSTALLATION OF A POLE MOUNTED RADAR PRESENCE SENSOR, SENSOR MOUNTING BRACKET, SENSOR CABLES, INTERFACE BOXES, LEAD-IN CABLE, CONNECTORS (FURNISHED BY CONTRACTOR), AND CONTROLLER INTERFACE ASSEMBLY. THESE BID ITEMS SHALL INCLUDE ALL LABOR REQUIRED TO PROVIDE A FUNCTIONAL DETECTION SYSTEM AND SHALL BE INSTALLED AND WIRED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. AFTER THE DETECTORS ARE INSTALLED AND BEFORE THE DETECTORS ARE POWERED ON, THE CONTRACTOR SHALL COORDINATE WITH DISTRICT TRAFFIC DIVISION'S REPRESENTATIVES TO SCHEDULE A TIME TO PERFORM THE DETECTOR SETUP. THE CONTRACTOR SHALL DOUBLE CHECK TO VERIFY THAT ALL WIRING IS CORRECTLY INSTALLED AND CONNECTED BEFORE SCHEDULING THE SETUP WORK. REPRESENTATIVES FROM KYTC AND/OR THE MANUFACTURER OR SALES REPRESENTATIVE WILL ASSIST WITH SETUP AND CALIBRATION. THE CONTRACTOR SHALL PROVIDE A BUCKET TRUCK AND OPERATORS AT THIS TIME FOR FINAL AIMING OF THE SENSORS. THE CONTRACTOR SHALL PROVIDE INDIVIDUALS CAPABLE OF OPERATING THE SETUP SOFTWARE AND LEARNING THE SETUP PROCESS SO THAT FUTURE INSTALLATIONS MAY BE COMPLETED WITHOUT ASSISTANCE FROM OTHERS.

8-3-2018

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION: 03.02 POLES AND BASES INSTALLATION. A)
REVISION: REPLACE ENTIRE TABLE WITH THE FOLLOWING:

MAXIMUM SERVICE FORCES		DRILLED SHAFT DATA							
MAX SERVICE MOMENT (FT-KIPS)	DIAMETER (IN.)	DEPTH (FEET) < 2:1 GROUND SLOPE		DEPTH (FEET) 2:1 GROUND SLOPE"		VERTICAL BARS		TIES OR SPIRAL	
		SOIL	ROCK	SOIL	ROCK	SIZE	TOTAL	BAR SIZE	SPACING OR PITCH (IN.)
0-9.9	36	6	6	6.5	6	13	#8	#4	12
10-19.9	36	7	6	8	6	13	#8	#4	12
20-29.9	36	8	6	9	6	13	#8	#4	12
30-39.9	36	9	6	10	6	13	#8	#4	12
40-49.9	36	9.5	6	10.5	6	13	#8	#4	12
50-59.9	36	10	6	11	6	13	#8	#4	12
60-69.9	36	11	6	12	6	13	#8	#4	12
70-99.9	36	12.5	6	13.5	6	13	#8	#4	12
100-149.9	36	14.5	6	16	6	13	#8	#4	12
150-199.9	36	15.5	6	17.5	6	13	#8	#4	12
200-249.9	36	17	6	19.5	6	13	#8	#4	12
250-299.9	36	18.5	6.5	21	6.5	13	#8	#4	12
300-399.9	36	21	7	25	7	18	#8	#4	6
400-499.9	42	21.5	7.5	25	7.5	18	#8	#4	12
500-600	48	22.5	7.5	25.5	7.5	19	#9	#4	12

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION: 04.22 REMOVE SIGNAL EQUIPMENT. (CONSTRUCTION ONLY)
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING:
THE DEPARTMENT WILL MEASURE THE QUANTITY BY EACH. THE DEPARTMENT WILL NOT MEASURE BACKFILLING AND THE DISPOSAL OR TRANSPORTATION OF EQUIPMENT AND MATERIALS ASSOCIATED WITH ANY STRUCTURAL OR ELECTRICAL COMPONENT OF THE SIGNAL SYSTEM INCLUDING, BUT NOT LIMITED TO POLE BASES, POLES, JUNCTION BOXES, CABINETS, AND WOOD POLES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 706, 723, AND 112 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPRIAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP INSTALL ITEMS FROM THE FRANKFORT POLE YARD AND DELIVERING THESE ITEMS TO THE SITE. THE CONTRACTOR SHALL CONTACT FRANKFORT POLE YARD PERSONNEL (502-782-8994/ 502-330-8153 OR EMAIL KIM.STAMPER@KY.GOV) AND ARRANGE TO PICK UP INSTALL ITEMS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. THE CONTRACTOR SHALL ALSO CONTACT THE SIGNAL SYSTEM BRANCH (502-782-5543/502-782-5547 OR EMAIL JOE.THOMPSON@KY.GOV/ LARRY.IRISH@KY.GOV) TO ARRANGE PROGRAMMING OF THE ROUTER USED FOR COMMUNCATION IN THE TRAFFIC SIGNAL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. FAILURE TO PROVIDE POLE YARD PERSONNEL/ SIGNAL SYSTEM BRANCH THIS ADVANCE NOTICE COULD RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE EQUIPMENT UPON ARRIVAL.

ADD SENTENCE TO SECTION 835.15: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES : "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

DESIGNED BY:
DATE SUBMITTED:

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
MCCRACKEN

PROJECT NUMBERS:

US 62 AT MCCRACKEN BLVD
TRAFFIC SIGNAL ESTIMATE OF QUANTITIES
MEASUREMENT, CONST, AND MISC NOTES

MicroStation v8.11.7.443 E-SHEET NAME: USER: CSTOERGE DATE PLOTTED: December 9, 2020 FILE NAME: H:\13074 US 62 MCCRACKEN CON\1-152.00\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\TRAFFIC\SIGNALS\T001000SU.DGN

COUNTY OF	ITEM NO.	SHEET NO.
MCCRACKEN	1-152.00	T1

REVISED 12-9-20

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	ITEM DESCRIPTION
34	LF	4820	TRENCHING AND BACKFILLING
1502	LF	4844	CABLE-NO. 14/5C
402	LF	4885	MESSENGER-10800 LB
4	EACH	4932	INSTALL STEEL STRAIN POLE
12	EACH	20188NS835	INSTALL SIGNAL-3 SECTION LED
1	EACH	20390NS835	INSTALL COORDINATING UNIT
17	CU YD	23157EN	TRAFFIC SIGNAL POLE BASE
1	EACH	24955ED	REMOVE SIGNAL EQUIPMENT
102	LF	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80
1	EACH	24908EC	INSTALL SIGNAL CONTROLLER TYPE-ATC (WITH 1C ATC MODULE)
4	EACH	26119EC	INSTALL RADAR PRESENCE DETECTOR TYPE A
2	EACH	26120EC	INSTALL RADAR ADVANCE DETECTOR TYPE B

MEASUREMENT NOTES THAT ARE IN ADDITION TO SECTION 723

INSTALL SIGNAL CONTROLLER TYPE ATC. THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT INSTALLED. THE DEPARTMENT WILL NOT MEASURE THE CONCRETE BASE, MOUNTING THE CABINET, CONNECTING THE SIGNAL AND DETECTORS, EXCAVATION, BACKFILLING, RESTORATION, ANY NECESSARY POLE MOUNTING HARDWARE, ELECTRIC SERVICE, ELECTRICAL INSPECTION FEES, AND REQUIRED BUILDING FEES INVOLVING UTILITY SECONDARY/PRIMARY SERVICE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL ALSO NOT MEASURE CONNECTING THE INDUCTION LOOP AMPLIFIERS, PEDESTRIAN ISOLATORS, LOAD SWITCHES, MODEL 400 MODEM CARD FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL ALSO NOT MEASURE FURNISHING AND INSTALLING ELECTRICAL SERVICE CONDUCTORS, CONDUITS, ANCHORS, METER BASE, FUSED CUTOUT, FUSES, GROUND RODS, GROUND LUGS, AND GROUND WIRES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

INSTALL RADAR PRESENCE DETECTOR TYPE A AND TYPE B SHALL CONSIST OF INSTALLATION OF A POLE MOUNTED RADAR PRESENCE SENSOR, SENSOR MOUNTING BRACKET, SENSOR CABLES, INTERFACE BOXES, LEAD-IN CABLE, CONNECTORS (FURNISHED BY CONTRACTOR), AND CONTROLLER INTERFACE ASSEMBLY. THESE BID ITEMS SHALL INCLUDE ALL LABOR REQUIRED TO PROVIDE A FUNCTIONAL DETECTION SYSTEM AND SHALL BE INSTALLED AND WIRED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. AFTER THE DETECTORS ARE INSTALLED AND BEFORE THE DETECTORS ARE POWERED ON, THE CONTRACTOR SHALL COORDINATE WITH DISTRICT TRAFFIC DIVISION'S REPRESENTATIVES TO SCHEDULE A TIME TO PERFORM THE DETECTOR SETUP. THE CONTRACTOR SHALL DOUBLE CHECK TO VERIFY THAT ALL WIRING IS CORRECTLY INSTALLED AND CONNECTED BEFORE SCHEDULING THE SETUP WORK. REPRESENTATIVES FROM KYTC AND/OR THE MANUFACTURER OR SALES REPRESENTATIVE WILL ASSIST WITH SETUP AND CALIBRATION. THE CONTRACTOR SHALL PROVIDE A BUCKET TRUCK AND OPERATORS AT THIS TIME FOR FINAL AIMING OF THE SENSORS. THE CONTRACTOR SHALL PROVIDE INDIVIDUALS CAPABLE OF OPERATING THE SETUP SOFTWARE AND LEARNING THE SETUP PROCESS SO THAT FUTURE INSTALLATIONS MAY BE COMPLETED WITHOUT ASSISTANCE FROM OTHERS.

8-3-2018

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION:03.02 POLES AND BASES INSTALLATION. A)
REVISION:REPLACE ENTIRE TABLE WITH THE FOLLOWING:

MAXIMUM SERVICE FORCES		DRILLED SHAFT DATA							
MAX SERVICE MOMENT (FT-KIPS)	DIAMETER (IN.)	DEPTH (FEET) < 2:1 GROUND SLOPE		DEPTH (FEET) 2:1 GROUND SLOPE"		VERTICAL BARS		TIES OR SPIRAL	
		SOIL	ROCK	SOIL	ROCK	SIZE	TOTAL	BAR SIZE	SPACING OR PITCH (IN.)
0-9.9	36	6	6	6.5	6	13	#8	#4	12
10-19.9	36	7	6	8	6	13	#8	#4	12
20-29.9	36	8	6	9	6	13	#8	#4	12
30-39.9	36	9	6	10	6	13	#8	#4	12
40-49.9	36	9.5	6	10.5	6	13	#8	#4	12
50-59.9	36	10	6	11	6	13	#8	#4	12
60-69.9	36	11	6	12	6	13	#8	#4	12
70-99.9	36	12.5	6	13.5	6	13	#8	#4	12
100-149.9	36	14.5	6	16	6	13	#8	#4	12
150-199.9	36	15.5	6	17.5	6	13	#8	#4	12
200-249.9	36	17	6	19.5	6	13	#8	#4	12
250-299.9	36	18.5	6.5	21	6.5	13	#8	#4	12
300-399.9	36	21	7	25	7	18	#8	#4	6
400-499.9	42	21.5	7.5	25	7.5	18	#8	#4	12
500-600	48	22.5	7.5	25.5	7.5	19	#9	#4	12

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION: 04.22 REMOVE SIGNAL EQUIPMENT. (CONSTRUCTION ONLY)
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING:
THE DEPARTMENT WILL MEASURE THE QUANTITY BY EACH. THE DEPARTMENT WILL NOT MEASURE BACKFILLING AND THE DISPOSAL OR TRANSPORTATION OF EQUIPMENT AND MATERIALS ASSOCIATED WITH ANY STRUCTURAL OR ELECTRICAL COMPONENT OF THE SIGNAL SYSTEM INCLUDING, BUT NOT LIMITED TO POLE BASES, POLES, JUNCTION BOXES, CABINETS, AND WOOD POLES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 706, 723, AND 112 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPRIAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP INSTALL ITEMS FROM THE FRANKFORT POLE YARD AND DELIVERING THESE ITEMS TO THE SITE. THE CONTRACTOR SHALL CONTACT FRANKFORT POLE YARD PERSONNEL (502-782-8994/ 502-330-8153 OR EMAIL KIM.STAMPER@KY.GOV) AND ARRANGE TO PICK UP INSTALL ITEMS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. THE CONTRACTOR SHALL ALSO CONTACT THE SIGNAL SYSTEM BRANCH (502-782-5543/502-782-5547 OR EMAIL JOE.THOMPSON@KY.GOV/ LARRY.IRISH@KY.GOV) TO ARRANGE PROGRAMMING OF THE ROUTER USED FOR COMMUNCATION IN THE TRAFFIC SIGNAL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. FAILURE TO PROVIDE POLE YARD PERSONNEL/ SIGNAL SYSTEM BRANCH THIS ADVANCE NOTICE COULD RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE EQUIPMENT UPON ARRIVAL.

ADD SENTENCE TO SECTION 835.15: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES : "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

DESIGNED BY:
DATE SUBMITTED:

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
MCCRACKEN

PROJECT NUMBERS:

US 62 AT MCCRACKEN BLVD
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