



COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET

[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

Andy Beshear  
GOVERNOR

Jim Gray  
SECRETARY

April 25, 2022

CALL NO. 354  
CONTRACT ID NO. 224427  
ADDENDUM # 1

Subject: Bourbon County, FD04 009 068X 000-001  
Letting April 28, 2022

- (1) Revised - Cover Page
- (2) Revised - Completion Date - Page 4 of 57
- (3) Revised - Proposal Plan Sheet - Page 34 of 57
- (4) Revised - Proposal Bid Items - Page 57 of 57

\* Revised Plan Sheet T1 of the Project Related Information, Bourbon County - CID  
22-4427 - 11x17 Signal Plans REVISED

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 cursive script that reads "Rachel Mills".

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

RM:mr  
Enclosures



**CALL NO. 354**

**CONTRACT ID. 224427**

**BOURBON COUNTY**

**FED/STATE PROJECT NUMBER FD04 009 068X 000-001**

**DESCRIPTION MAIN STREET (US 68X)**

**WORK TYPE SIGNS-LIGHTING-SIGNALS PRIMARY**

**COMPLETION DATE 3/31/2023**

**LETTING DATE: April 28,2022**

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME April 28,2022. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

**NO PLANS ASSOCIATED WITH THIS PROJECT.**

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

## ADMINISTRATIVE DISTRICT - 07

**CONTRACT ID - 224427**

**FD04 009 068X 000-001**

**COUNTY - BOURBON**

**PCN - 07009068X2201**

**FD04 009 068X 000-001**

MAIN STREET (US 68X) (MP 0.243) SIGNAL IMPROVEMENTS AT THE INTERSECTION OF US 68X AND KY 1678 (MP 0.343), A DISTANCE OF 0.10 MILES.SIGNS-LIGHTING-SIGNALS SYP NO. 07-09028.00.

GEOGRAPHIC COORDINATES LATITUDE 38:11:53.84 LONGITUDE 84:16:06.80

ADT 13,662

**COMPLETION DATE(S):**

COMPLETED BY 03/31/2023

APPLIES TO ENTIRE PROJECT

COUNTY OF	BOURBON
ITEM NO.	7-9028-00
SHEET NO.	001

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION T23  
 SUBSECTION 03.02 POLES AND BASES INSTALLATION, B)  
 REVISION: REPLACE ENTIRE TABLE WITH THE FOLLOWING:

MAXIMUM SERVICE FORCES	DRILLED SHAFT DATA						VERTICAL BARS TOTAL	TIES OR SPIRAL BAR SIZE	SPACING OR PITCH (IN.)
	DIAMETER (IN.)	DEPTH (FEET)		ROCK	SOIL	ROCK			
		< 21:1	21:1						
10-18.9	6	6.5	6.5	6.5	6.5	8	4	4	
20-37.8	6	6.5	6.5	6.5	6.5	8	4	4	
30-56.7	6	6.5	6.5	6.5	6.5	8	4	4	
40-75.6	6	6.5	6.5	6.5	6.5	8	4	4	
50-94.5	6	6.5	6.5	6.5	6.5	8	4	4	
60-113.4	6	6.5	6.5	6.5	6.5	8	4	4	
70-132.3	6	6.5	6.5	6.5	6.5	8	4	4	
80-151.2	6	6.5	6.5	6.5	6.5	8	4	4	
90-170.1	6	6.5	6.5	6.5	6.5	8	4	4	
100-189	6	6.5	6.5	6.5	6.5	8	4	4	
110-207.9	6	6.5	6.5	6.5	6.5	8	4	4	
120-226.8	6	6.5	6.5	6.5	6.5	8	4	4	
130-245.7	6	6.5	6.5	6.5	6.5	8	4	4	
140-264.6	6	6.5	6.5	6.5	6.5	8	4	4	
150-283.5	6	6.5	6.5	6.5	6.5	8	4	4	
160-302.4	6	6.5	6.5	6.5	6.5	8	4	4	
170-321.3	6	6.5	6.5	6.5	6.5	8	4	4	
180-340.2	6	6.5	6.5	6.5	6.5	8	4	4	
190-359.1	6	6.5	6.5	6.5	6.5	8	4	4	
200-378	6	6.5	6.5	6.5	6.5	8	4	4	
210-396.9	6	6.5	6.5	6.5	6.5	8	4	4	
220-415.8	6	6.5	6.5	6.5	6.5	8	4	4	
230-434.7	6	6.5	6.5	6.5	6.5	8	4	4	
240-453.6	6	6.5	6.5	6.5	6.5	8	4	4	
250-472.5	6	6.5	6.5	6.5	6.5	8	4	4	
260-491.4	6	6.5	6.5	6.5	6.5	8	4	4	
270-510.3	6	6.5	6.5	6.5	6.5	8	4	4	
280-529.2	6	6.5	6.5	6.5	6.5	8	4	4	
290-548.1	6	6.5	6.5	6.5	6.5	8	4	4	
300-567	6	6.5	6.5	6.5	6.5	8	4	4	

03.15 LOOP INSTALLATION.  
 REPLACE FIRST SENTENCE NOTE WITH THE FOLLOWING:  
 THIS UNSHIELDED LOOP (MESA 51-71) WITH 3 TO 5 TURNS PER FOOT FROM THE POINT OF ATTACHMENT TO THE POINT OF INSTALLATION OF THE TWISTED WIRE.  
 CAN BE WIDEN TO 1/2" TO 3/8" TO HELP WITH THE INSTALLATION OF THE TWISTED WIRE.  
 04.22 REMOVE SIGNAL EQUIPMENT (CONSTRUCTION ONLY)  
 BEFORE THE PAINT WORK WITH 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 ROSES, CABINET, SIGNAL POLES, FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

MATERIAL NOTES THAT ARE CONTRARY TO SECTION 835  
 SUBSECTION: 835.21 WARNING TAPE.  
 REVISION: REPLACE FIRST SENTENCE WITH THE FOLLOWING IN 834.33: REPLACE TABLE TYPE TAPE THAT IS 6 INCHES WIDE AND 7.0 MILS NOMINAL THICK.

DESIGNED BY: ADAM PROCTOR  
 DATE SUBMITTED: 3/9/2022  
 Commonwealth of Kentucky  
 DEPARTMENT OF HIGHWAYS  
 COUNTY OF  
 BOURBON  
 PROJECT NUMBERS: FD04 009 068X 000-001  
 TRAFFIC SIGNAL ESTIMATE OF QUANTITIES MEASUREMENT, CONST., AND MISC NOTES

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 SPIRAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONDITIONS, SUBMISSIONS OF A BID, WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP MATERIALS FOR INSTALL ITEMS AT KYTC'S DIVISION OF EQUIPMENT WAREHOUSE (1239 WILKINSON BOULEVARD, FRANKFORT, KY 40622). THE FOLLOWING PROCEDURES SHALL BE FOLLOWED FOR MATERIAL RELEASE. FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE MATERIALS UPON ARRIVAL.

1. CONTRACTOR SHALL SECURE THE SIGNATURES OF KYTC'S PROJECT ENGINEER AND THE ELECTRICAL CONTRACTOR'S FOREMAN ON THE PROJECT MATERIALS RELEASE FORM. IF THE RELEASE FORM IS NOT IN THE PROPOSAL, CONTACT TED SWANSEGAR OR KERRY ROBERTS WITH THE DIVISION OF TRAFFIC OPERATIONS BY PHONE (502-782-5540/502-782-5536) OR EMAIL (TED.SWANSEGAR@KYTC.GOV/KERRY.ROBERTS@KYTC.GOV).
2. CONTRACTOR SHALL CONTACT THE WAREHOUSE TO PREARRANGE PICK UP OF MATERIALS. CONTRACTOR SHALL EMAIL THE PROJECT MATERIALS RELEASE FORM WITH REQUIRED SIGNATURES TO THE WAREHOUSE AT KIM.STAMPER@KYTC.GOV AND SHALL NOTIFY THE WAREHOUSE BY PHONE (502-782-5540/502-782-5536) OR EMAIL (KIM.STAMPER@KYTC.GOV).
3. CONTRACTOR SHALL ALSO CONTACT THE SIGNAL SYSTEM BRANCH OF THE DIVISION OF TRAFFIC OPERATIONS BY PHONE (502-782-5543/502-782-5547) OR EMAIL (JOE.THOMPSON@KYTC.GOV/LARRY.JRISH@KYTC.GOV) AT LEAST TWO (2) WORKING DAYS PRIOR TO ARRIVAL TO FACILITATE PROGRAMMING OF ROUTERS.
4. CONTRACTOR SHALL ARRIVE AT THE KYTC'S DIVISION OF EQUIPMENT WAREHOUSE (1239 WILKINSON BOULEVARD, FRANKFORT, KY 40622) AT THE PREARRANGED DATE/TIME FOR MATERIAL PICK UP. TO FACILITATE THIS PROCESS, ENSURE CONTRACTOR'S DELIVERY DRIVER HAS A COPY OF THE PROJECT MATERIALS RELEASE FORM WITH THE REQUIRED SIGNATURES.

ADD SENTENCE TO SECTION 835.17: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES: "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0500".

MEASUREMENT NOTES THAT ARE IN ADDITION TO SECTION T23

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, ELECTRICAL SERVICE, ELECTRICAL INSPECTION FEES, AND RESTORATION OF THE PROJECT SITE. THE DEPARTMENT 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.

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

TOTAL UNITS	CODE	ITEM DESCRIPTION
15	LIN FT 4792	CONDUIT 1 INCH
120	LIN FT 4793	CONDUIT 1 1/4 INCH
365	LIN FT 4795	CONDUIT 2 INCH
230	LIN FT 4820	TRENCHING AND BACKFILLING
1,425	LIN FT 4830	LOOP WIRE
1,370	LIN FT 4844	CABLE-NO. 14/2C
500	LIN FT 4850	CABLE-NO. 14/7 PAIR
590	LIN FT 4895	LOOP SAW SLOT AND FILL
1	EACH 2495ed	REMOVE SIGNAL EQUIPMENT
8	EACH 2003NSB35	INSTALL PEDESTRIAN HEAD LED
8	EACH 2018NSB35	INSTALL SIGNAL-3 SECTION LED
2	EACH 2026ESB35	INSTALL SIGNAL-4 SECTION LED
1	EACH 2039NSB35	INSTALL COORDINATING UNIT
4	EACH 481	ELECTRICAL JUNCTION BOX TYPE B
300	LIN FT 21543EN	BORE AND JACK CONDUIT
8	EACH 21743NN	INSTALL PEDESTRIAN DETECTOR
3	EACH 4881	MAST ARM POLE
8.77	CU TD 2325EN	TRAFFIC SIGNAL POLE BASE
3	EACH 2322EC	INSTALL SIGNAL PEDESTAL
1	EACH 24908EC	INSTALL SIGNAL CONTROLLER-TY ATC

**PROPOSAL BID ITEMS**

224427

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Report Date 4/25/22

**Section: 0001 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02650		MAINTAIN & CONTROL TRAFFIC (BOURBON US 68X)	1.00	LS		\$	
0020	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	

**Section: 0002 - SIGNALIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0030	02562		TEMPORARY SIGNS	150.00	SQFT		\$	
0040	04792		CONDUIT-1 IN	15.00	LF		\$	
0050	04793		CONDUIT-1 1/4 IN	120.00	LF		\$	
0060	04795		CONDUIT-2 IN	365.00	LF		\$	
0070	04811		ELECTRICAL JUNCTION BOX TYPE B	4.00	EACH		\$	
0080	04820		TRENCHING AND BACKFILLING	230.00	LF		\$	
0090	04830		LOOP WIRE	1,425.00	LF		\$	
0100	04844		CABLE-NO. 14/5C	1,370.00	LF		\$	
0110	04850		CABLE-NO. 14/1 PAIR	500.00	LF		\$	
0120	04895		LOOP SAW SLOT AND FILL	590.00	LF		\$	
0130	20093NS835		INSTALL PEDESTRIAN HEAD-LED	8.00	EACH		\$	
0140	20188NS835		INSTALL LED SIGNAL-3 SECTION	8.00	EACH		\$	
0150	20266ES835		INSTALL LED SIGNAL- 4 SECTION	2.00	EACH		\$	
0160	20390NS835		INSTALL COORDINATING UNIT	1.00	EACH		\$	
0170	21543EN		BORE AND JACK CONDUIT	300.00	LF		\$	
0180	21743NN		INSTALL PEDESTRIAN DETECTOR	8.00	EACH		\$	
0190	04881		MAST ARM POLE (REVISED 4-25-2022)	3.00	EACH		\$	
0200	23157EN		TRAFFIC SIGNAL POLE BASE	8.77	CUYD		\$	
0210	23222EC		INSTALL SIGNAL PEDESTAL	3.00	EACH		\$	
0220	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	1.00	EACH		\$	
0230	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	

**Section: 0003 - DEMOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0240	02569		DEMOBILIZATION	1.00	LS		\$	