



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

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

April 25, 2022

CALL NO. 206
CONTRACT ID NO. 224311
ADDENDUM # 2

Subject: Spencer-Franklin-Shelby Counties, 121GR22T013-HSIP
Letting April 28, 2022

(1) Added - Advance Warning Flasher Plans - Pages 80(a)-80(f) of 175

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

COUNTY OF
FRANKLIN

ITEM NO.
5-908.10

SHEET NO.
11

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION 03.02 POLES AND BASES INSTALLATION, B)
REVISION: REPLACE ENTIRE TABLE WITH THE FOLLOWING:

MAXIMUM SERVICE FORCES	DRILLED SHAFT DATA				VERTICAL BARS		TIES OR SPIRAL	
	DIAMETER (IN.)	SOIL	ROCK	DEPTH (FEET)	SIZE	TOTAL	BAR SIZE	SPACING OR PITCH (IN.)
0-99	36	6		6.5	18	18	#4	12
100-199	36	8		6.5	18	18	#4	12
200-299	36	9.5		6.5	18	18	#4	12
300-399	36	11		6.5	18	18	#4	12
400-499	36	12.5		6.5	18	18	#4	12
500-599	36	15		6.5	18	18	#4	12
600-699	36	17.5		6.5	18	18	#4	12
700-799	36	21.5		6.5	18	18	#4	12
800-899	36	25.5		6.5	18	18	#4	12
900-999	48	21.5		7.5	18	18	#4	12
1000-1099	48	25.5		7.5	18	18	#4	12

TOTAL UNITS	CODE	ITEM DESCRIPTION
3	EACH	4811 ELECTRICAL JUNCTION BOX TYPE B
900	LIN FT	4820 TRENCHING AND BACKFILLING
2,250	LIN FT	4844 CABLE-NO. 14/5C
4	EACH	20408E5835 INSTALL LED BEACON-12 IN
4.5	CU YD	23157EN TRAFFIC SIGNAL POLE BASE
900	LIN FT	24900EC PVC CONDUIT - 1 1/4 INCH - SCHEDULE 80
1	EACH	24525EC ADVANCE WARNING FLASHER

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 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 MATERIALS FOR INSTALL ITEMS AT KYTCS 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.

- CONTRACTOR SHALL SECURE THE SIGNATURES OF KYTCS'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 SWANEGAR OR KERRY ROBERTS WITH THE DIVISION OF TRAFFIC OPERATIONS BY PHONE (5502-782-5540/502-782-5536) OR EMAIL (TED.SWANEGAR@KY.GOV/KERRY.ROBERTS@KY.GOV).
- CONTRACTOR SHALL EMAIL THE PROJECT MATERIALS RELEASE FORM WITH REQUIRED SIGNATURES TO THE WAREHOUSE AT KIM.STAMPER@KY.GOV AND SHALL NOTIFY THE WAREHOUSE BY PHONE (502-782-8994/502-330-8153) OR EMAIL KIM.STAMPER@KY.GOV AT LEAST TWO (2) WORKING DAYS PRIOR TO ARRIVAL.
- 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@KY.GOV/LARRY.JRISH@KY.GOV AT LEAST TWO (2) WORKING DAYS PRIOR TO ARRIVAL TO FACILITATE PROGRAMMING OF ROUTERS.
- ARRIVAL FOR MATERIAL RELEASE FROM THE 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 0501".

MEASUREMENT NOTES THAT ARE IN ADDITION TO SECTION 723

ADVANCE WARNING FLASHER - DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT FURNISHED AND INSTALLED. THE DEPARTMENT WILL NOT MEASURE 6000 INCH STEEL STRAP POLE SIGNS, 24" X 44" HIGH SPAN IDENTIFIED SIGN, CONDUIT FITTINGS AND STRAPS OR ANY ASSOCIATED SIGN MOUNTING HARDWARE AND WILL CONSIDER THESE INCIDENTAL TO THIS ITEM OF WORK.

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 AND THE SIGN MOUNTING HARDWARE 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:
PROVIDE DETECTABLE TYPE TAPE THAT IS 6 INCHES WIDE AND 7.0 MILS (NOMINAL) THICK.

DESIGNED BY: CHARLIE # _____
DATE SUBMITTED: 3/4/2022

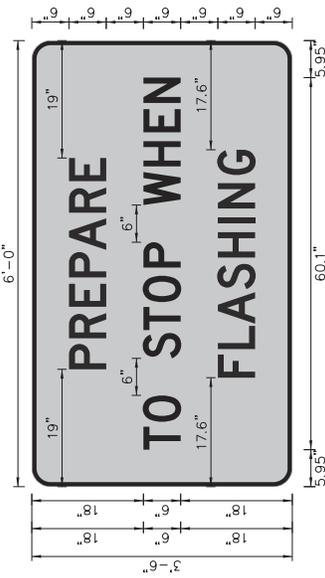
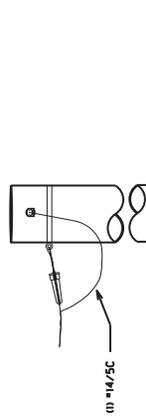
Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY OF
FRANKLIN

PROJECT NUMBERS: _____

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES MEASUREMENT, CONST. AND MISC NOTES

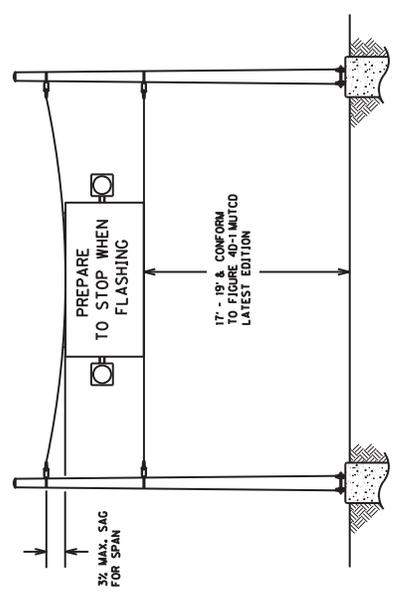
COUNTY OF	FRANKLIN
ITEM NO.	5-900B.10
SHEET NO.	14



SPECIAL
72" X 44"
.125 GA. ALUM.
BLACK LEGEND
6" SERIES 'D' LETTERS
YELLOW BACKGROUND
TYPE XI
YELLOW (SEE APPROVED
PRODUCTS LIST)

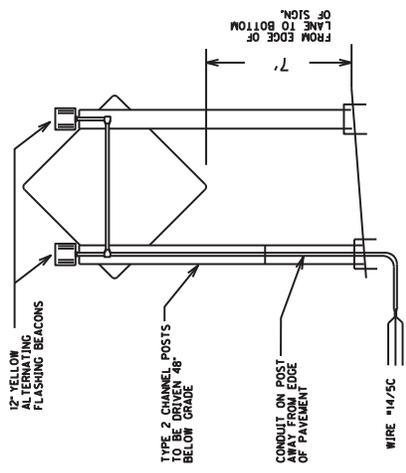


SPECIAL
48" X 48"
.125 GA. ALUM.
BLACK LEGEND
6" SERIES 'C' LETTERS
YELLOW BACKGROUND
TYPE XI
YELLOW (SEE APPROVED
PRODUCTS LIST)



ADVANCED WARNING FLASHER SPAN DETAIL

•• FOR MAST ARM INSTALLATION, INSTALL SIGN/BEACONS ON ARM WITH SUPPLIED HANGERS 17-19' ABOVE FINISHED GRADE.



ADVANCE WARNING FLASHER DETAIL

SEE PLAN SHEET FOR POLE AND ATTACHMENT HEIGHTS

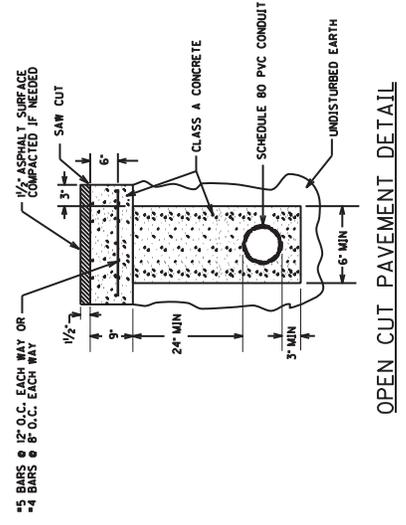
(2) 1/2" (MIN.) RIGID STEEL CONDUITS FOR SIGNAL WIRES. CONTRACTOR SHALL MODIFY SIZE/QUANTITY OF CONDUITS IN ORDER TO COMPLY WITH NEC REQUIREMENTS

SEE POLE BASE DETAIL SHEET FOR SPARE CONDUIT REQUIREMENTS AND GROUNDING DETAILS

STEEL POLE FOR OVERHEAD AWF

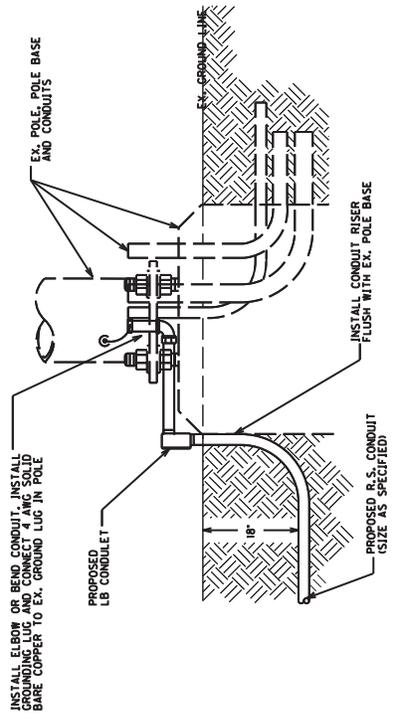
ADVANCED WARNING FLASHER DETAIL

COUNTY OF	FRANKLIN
ITEM NO.	5-900B.10
SHEET NO.	15

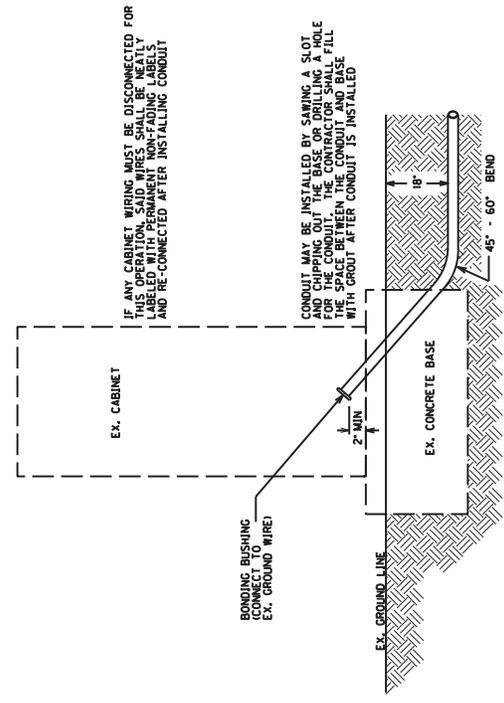


OPEN CUT PAVEMENT DETAIL

1/2" ASPHALT SURFACE
 COMPACTED IF NEEDED
 SAW CUT
 CLASS A CONCRETE
 SCHEDULE 80 PVC CONDUIT
 UNDISTURBED EARTH
 6" MIN



CONDUIT INSTALLATION IN EX. POLE BASE



CONDUIT INSTALLATION IN EX. CABINET BASE

IF ANY CABINET WIRING MUST BE DISCONNECTED FOR THIS OPERATION, SAID WIRES SHALL BE NEATLY TIED OFF AND RE-CONNECTED AFTER INSTALLING CONDUIT

CONDUIT MAY BE INSTALLED BY SAWING A SLOT AND CHIPPING OUT THE BASE OR DRILLING A HOLE IN THE CONCRETE. THE SPACE BETWEEN THE CONDUIT AND BASE SHALL BE FILLED WITH GROUT AFTER CONDUIT IS INSTALLED

3/10/2017

CONDUIT INSTALLATIONS IN EXISTING LOCATIONS

121GR22T0131131P

COUNTY OF	FRANKLIN
ITEM NO.	5-9018-20
SHEET NO.	T6

MAST ARM POLE FOR ADVANCED WARNING FLASHERS
POLE HEIGHT ATT. HT. CALC. SERV. MOMENT BASE
 A EX. 60' EX. 60 KIP-FT 3Z

SIGNAL HEADS

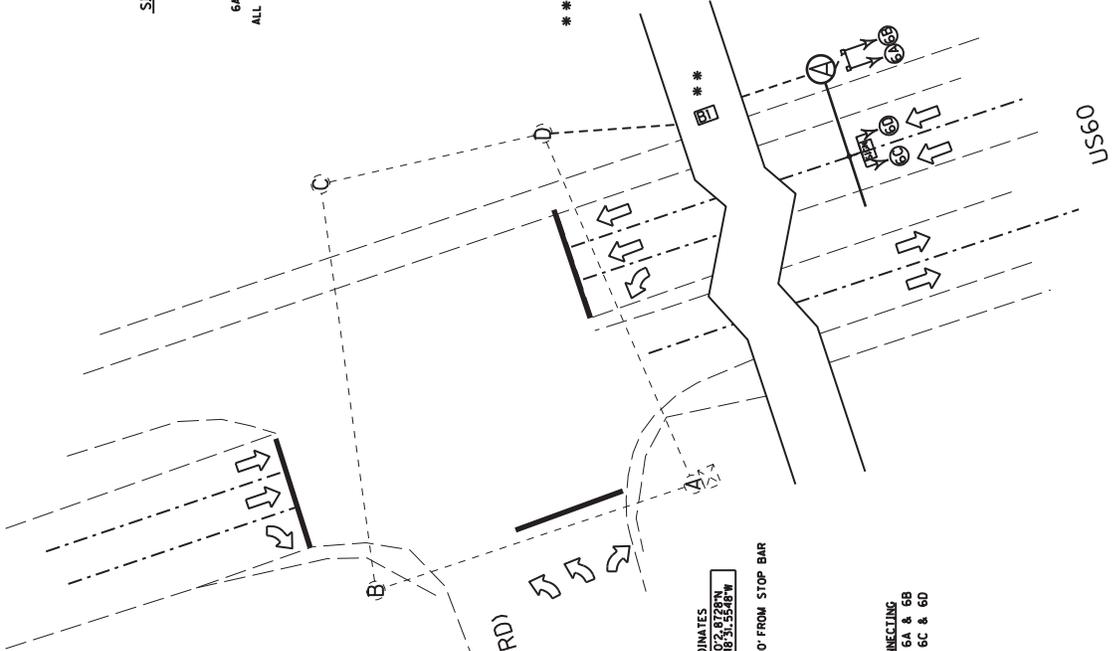


HEAD "Y"
 6A, 6B, 6C, & 6D
 ALL INDICATIONS L.E.D.

** INSTALL 3 JUNCTION BOXES, TYPE B
 BETWEEN EXISTING STREET STRAIN POLE AND
 EXISTING STREET STRAIN POLE. **
 AND MAST ARM POLE. FIRST BOX SHALL
 BE 250' FROM EX. POLE 'D'

-INSTALL MAST ARM POLE "A"
 -INSTALL ADVANCED WARNING FLASHERS AND SIGN
 PER DETAIL.
 -INSTALL SIDE MOUNTED ADVANCED WARNING FLASHER
 AS PER DETAIL ON SHEET T4

-MAST ARM POLE WILL BE LOCATED AT THE
 FRANKFORT POLE YARD FOR PICKUP
 -THIS IS A USED POLE, CONTRACTOR WILL
 BE RESPONSIBLE FOR DETERMINING BOLT
 CIRCLE/PATTERN AND SUPPLYING APPROVED
 ANCHOR BOLTS.
 -THIS POLE REQUIRES 4 ANCHOR BOLTS
 PER EACH SIDE WITH 4 NUTS, WASHERS, AND LOCK
 WASHERS WILL BE NEEDED.
 -ANCHOR BOLT HARDWARE WILL BE INCIDENTAL
 TO INSTALL MAST ARM POLE
 -IF ARM EXTENDS MORE THAN 2' INTO MEDIUM,
 CUT OFF EXCESS, AND CAP END WITH METAL CAP.
 THIS WILL BE INCIDENTAL TO
 INSTALL MAST ARM POLE
 -INSTALL DAMPER BETWEEN POLE AND ARM
 ATTACHMENT, THIS WILL BE INCIDENTAL TO
 INSTALL MAST ARM POLE



NORTHING/
EASTING
COORDINATES

POLE	N	3950036.24	LOT=38°10'2.6128"W
A	E	5191834.89	LOT=84°48'51.5548"W

POLE A IS LOCATED APPROXIMATELY 900' FROM STOP BAR

WIRING SCHEDULE

CABLE	ORIGIN	ENDING	CONNECTING
1-14/5C	CONTROLLER	SH 6A	SH 6A & 6B
1-14/5C	CONTROLLER	SH 6C	SH 6C & 6D

LEGEND

	EXISTING POLE MOUNTED CONTROLLER
	EXISTING STEEL STRAIN POLE
	MAST ARM POLE
	JUNCTION BOXES (AS DESIGNATED)
	ROADSIDE ADVANCED WARNING FLASHER ASSEMBLY
	OVERHEAD ADVANCED WARNING FLASHER ASSEMBLY
	1/4" PVC SCHEDULE 80 (UNLESS OTHERWISE NOTED)

SCALE: 1"=20'

ADVANCED WARNING FLASHER
 PLAN SHEET
 US 60 @ KY 1681