COUNTY OF	ITEM NO.	SHEET NO.
_____	_____	__

ROADWAY LIGHTING ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	ITEM DESCRIPTION
60	SQ FT	2562	SIGNS
1	LP SUM	2569	DEMOBILIZATION (1.5%)
60	LP SUM	2650	MAINTAIN & CONTROL TRAFFIC (5%)
638	EACH	2775	FLASHING ARROW
775	EACH	4700	POLE 30' MTG HT
70	EACH	4701	POLE 40' MTG HT
470	EACH	4710	POLE 80' MTG HT HIGH MAST
40	EACH	4711	POLE 90' MTG HT HIGH MAST
259	EACH	4712	POLE 100' MTG HT HIGH MAST
3	EACH	4713	POLE 110' MTG HT HIGH MAST
7	EACH	4714	POLE 120' MTG HT HIGH MAST
4	EACH	4720	BRACKET 4'
2	EACH	4721	BRACKET 6'
10	EACH	4722	BRACKET 8'
2	EACH	4723	BRACKET 10'
28.66	EACH	4724	BRACKET 12'
1	EACH	4725	BRACKET 15'
12	EACH	4730	BRACKET "C"
	EACH	4740	POLE BASE
	EACH	4741	POLE BASE IN MED WALL
	CU YD	4742	POLE BASE - HIGH MAST
	EACH	4750	TRANSFORMER BASE
	EACH	4760	POLE W/SECONDARY CONTROL EQUIP
	EACH	4761	LIGHTING CONTROL EQUIPMENT
	EACH	4770	HPS LUMINAIRE
	EACH	4771	HPS LUMINAIRE WALL PACK
	EACH	4772	HPS LUMINAIRE OFFSET
	EACH	4773	HPS LUMINAIRE HIGH MAST
	EACH	4775	NAVIGATION LIGHT 360 DEG GREEN - LED
	EACH	4776	NAVIGATION LIGHT 180 DEG RED - LED
	EACH	4780	FUSED CONNECTOR KIT
	LIN FT	4790	CONDUIT 1/2 INCH
	LIN FT	4791	CONDUIT 3/4 INCH
	LIN FT	4792	CONDUIT 1 INCH
	LIN FT	4793	CONDUIT 1 1/4 INCH
	LIN FT	4794	CONDUIT 1 1/2 INCH
	LIN FT	4795	CONDUIT 2 INCH
	LIN FT	4796	CONDUIT 2 1/2 INCH
	LIN FT	4797	CONDUIT 3 INCH
	LIN FT	4798	CONDUIT 3 1/2 INCH
	LIN FT	4799	CONDUIT 4 INCH
	EACH	4800	MARKER
	EACH	4810	ELECTRICAL JUNCTION BOX
	EACH	4811	ELECTRICAL JUNCTION BOX TYPE B
	LIN FT	4820	TRENCHING AND BACKFILLING
	LIN FT	4821	OPEN CUT ROADWAY
	LIN FT	4832	WIRE-NO. 12
	LIN FT	4833	WIRE-NO. 8
	LIN FT	4834	WIRE-NO. 6
	LIN FT	4835	WIRE-NO. 4
	LIN FT	4836	WIRE-NO. 2
	LIN FT	4837	WIRE-NO. 0
	LIN FT	4860	CABLE - NO. 8/3C DUCTED
	LIN FT	4861	CABLE - NO. 6/3C DUCTED
	LIN FT	4862	CABLE - NO. 4/3C DUCTED
	LIN FT	4863	CABLE - NO. 2/3C DUCTED
	LIN FT	4864	CABLE - NO. 0/3C DUCTED
	EACH	4871	POLE 35' WOODEN
	EACH	4872	POLE 40' WOODEN
	EACH	4873	POLE 45' WOODEN
	EACH	4884	ANCHOR
	EACH	4939	REMOVE POLE

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 716 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.

ADD SENTENCE TO SECTION 834.06: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES : " PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

ADD SENTENCE TO SECTION 834.10: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES: " PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

SUBSECTION: 716.03.03 TRENCHING.

REMOVE: REMOVE SENTENCE UNDER B): NO PAYMENT FOR ADDITIONAL JUNCTION BOXES FOR GREATER DEPTHS WILL BE ALLOWED.

SUBSECTION: 716.03.05 CONDUIT INSTALLATION

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 716 & 834

REVISION: REPLACE THE FIRST TWO SENTENCES WITH THE FOLLOWING:
PROVIDE SCHEDULE 80 PVC OR DUCT (AS STATED IN SUBSECTION 834.06) CONDUIT ENCASEMENTS FOR CONDUCTORS EXCEPT AS SPECIFIED IN THE CONTRACT. PROVIDE RIGID STEEL, SCHEDULE 80 PVC, SCHEDULE 80 HDPE, OR SDR 13.5 HDPE CONDUIT ENCASEMENT FOR ALL CONDUCTORS UNDER ANY ROAD CROSSING AND IN BASES WITH BREAKAWAY DEVICES INSTALLED EXCEPT AS SPECIFIED IN THE CONTRACT OR STATED BELOW.

REVISION: REPLACE THE FOURTH SENTENCE WITH THE FOLLOWING:
PROVIDE SCHEDULE 40 PVC, SCHEDULE 40 HDPE, OR SDR 13.5 HDPE FOR ENCASEMENT INSIDE CONCRETE BARRIER WALLS, EXCEPT FOR CONDUITS COMING IN FROM UNDER THE ROADWAY WHICH SHALL BE RIGID STEEL, SCHEDULE 80 PVC, SCHEDULE 80 HDPE, OR SDR 13.5 HDPE.

REVISION: ADD THE FOLLOWING AT THE END OF THE PARAGRAPH:
ADD A PULL STRING TO ALL SPARE CONDUITS. THE PULL STRING SHALL BE TIED OFF AT EACH END OF THE CONDUITS.

SUBSECTION: 716.03.04 (K) BORE AND JACK.

REVISION: REPLACE TITLE WITH THE FOLLOWING: BORE AND JACK/OPEN CUT ROADWAY
ADD SENTENCES AFTER LAST SENTENCE: WITH PERMISSION OF THE ENGINEER, ROADWAY MAY BE OPEN CUT IF CONDUIT IS UNDER PAVEMENT. THE CONDUIT IN OPEN CUT CAN BE EITHER 2" RIDID STEEL, SCHEDULE 80 PVC, SCHEDULE 80 HDPE, OR SDR 13.5 HDPE UNDER ALL PAVEMENTS AREAS. IF IT IS THE LOOP TRANSITION FROM THE SAW SLOT, IT SHALL BE RIGID STEEL.

SECTION: 834.15 LIGHTING POLES.

REVISION: ADD THE FOLLOWING TO THE FIRST PARAGRAGH:
THE CABINET WILL WAIVE THE REQUIREMENT STATED IN THE FIRST SENTENCE OF SECTION 5.14.6.2 - REINFORCED HOLES AND CUTOUT FOR HIGH MAST POLES (ONLY).

SUBSECTION: 834.15.03 TRANSFORMER BASES.

REMOVE: REMOVE SENTENCE: CONSTRUCT THE DOOR OF A HIGH DENSITY POLYETHYLENE MATERIAL IN COLOR THAT MATCHES THE BASE.

REVISION: REPLACE THE FOLLOWING SENTENCE WITH THE FOLLOWING:
CONSTRUCT THE DOOR OF AN ALUMINUM MATERIAL IN A COLOR THAT MATCHES THE BASE. THE DOOR SHOULD HAVE A THEFT DETERRENT DEVICE THAT IS EQUAL TO THE LOCKDOWN LIGHTLOCK DOOR ASSEMBLY. THE DOOR LOCK WILL HAVE A LOCKING DEVICE WITH A KYTC CUSTOM KEY THAT WILL BE SEND TO CENTRAL OFFICE TRAFFIC OPERATIONS FROM THE MANUFACTURER AND BE ISSUED TO THE CONTRACTOR FOR THE INSTALLATION OF THE FINAL DOOR DEVICE. THE KEY FOR THE DOOR SHALL BE RETURNED TO CENTRAL OFFICE TRAFFIC OPERATIONS AFTER THE CLOSURE OF THE CONTRACT. THERE SHALL BE A 4" BY 6" ARC FLASH WARNING STICKER INSTALLED CENTER TOP OF EACH DOOR. THE STICKER SHALL BE METALCRAFT PLY695 PREM STYLEMARK LABEL WITH .007 THICKNESS, WITH UV WHITE POLYCARBINATE MATERIAL, AND WITH MC53FL PRESSURE SENSITIVE ADHESIVE. THE STICKER SHALL HAVE TWO COLORS OF BLACK AND CUSTOM COLOR ORANGE. THE WORDING FOR THE ARC FLASH STICKER SHALL BE THE FOLLOWING: "WARNING ARC FLASH HAZARD. APPROPRIATE PPE REQUIRED. FAILURE TO COMPLY CAN RESULT IN DEATH OR INJURY. REFER TO NFPA 70E."

SUBSECTION: 834.15.04 HIGHMAST POLES

REVISION: REPLACE THE SECOND SENTENCE OF THE SIXTH PARAGRAPH WITH THE FOLLOWING:
USE TUBES THAT ARE ROUND OR 16-SIDED WITH A MINIMUM INTERNAL RADIUS OF FIVE TIMES THE TUBE WALL THICKNESS OR 1", WHICHEVER IS LARGER, A CONSTANT LINEAR TAPER OF 0.144 INCHES/FOOT, AND THAT CONTAIN, AT MOST, 2 LONGITUDINAL SEAM WELDS IN EACH SECTION.

SUBSECTION: 834.17 ANCHOR BOLTS

REVISION: REPLACE THE FIRST SENTENCE WITH THE FOLLOWING:
THE ANCHOR BOLT DESIGN SHALL FOLLOW NCHRP REPORT 494 SECTION 2.4 SPECIFICATIONS.

REPLACE THE THIRD SENTENCE WITH THE FOLLOWING:
USE ANCHOR BOLTS THAT CONFORM TO THE REQUIREMENTS OF ASTM F1554.

SECTION: 834.33 WARNING TAPE.

REVISION: REPLACE FIRST SENTENCE WITH THE FOLLOWING:
PROVIDE DETECTABLE TYPE TAPE THAT IS 6 INCHES WIDE AND 7.0 MILS (NOMINAL)THICK.

MEASUREMENT NOTE THAT ARE IN ADDITION TO SECTION 716:

REMOVE, STORE AND REINSTALL POLE- DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT REMOVED, STORE AND REINSTALLED. THE DEPARTMENT WILL NOT MEASURE WORK AND MATERIAL NECESSARY TO RELOCATE AN EXISTING LIGHTING STANDARD AND WILL CONSIDERED THIS INCIDENTAL TO THIS ITEM OF WORK.

WOOD POLE- DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT FURNISHED AND INSTALLED. THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, AND RESTORING DISTURBED AREAS.

ANCHOR- DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT FURNISHED AND INSTALLED. THE DEPARTMENT WILL NOT MEASURE FURNISHING AND INSTALLING SPECIFIED ANCHOR, DOWN-GUY, MESSENGER, CLAMPS, GUY GUARD, AND INSULATORS (IF REQUIRED).

WIRE OR CABLE SHALL INCLUDE INSTALLING SPECIFIED WIRE OR CABLE WITHIN CONDUIT AS INDICATED ON THE PLAN SHEETS. INCIDENTAL TO THIS ITEM SHALL BE THE FURNISHING AND INSTALLING OF SPLICE BOOTS OR ANY OTHER HARDWARE REQUIRED FOR INSTALLING CABLE. THE CONTRACTOR SHALL INSTALL ALL CABLE OR WIRE RUNS SPLICE-FREE FROM THE CONTROLLER TO EACH POLE THE CABLE OR WIRE IS FEEDING. EXCEPTIONS TO THIS MUST BE APPROVED BY THE ENGINEER OR AS SPECIFIED ON THE PLANS.
EACH RUN OF WIRE FROM POLE TO POLE (UP EACH POLE) SHALL BE THE FOLLOWING COLOR CODE: 2-BLACK (HOT) AND GREEN (GROUND).

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF

PROJECT NUMBERS:

ROADWAY LIGHTING ESTIMATES OF QUANTITIES

FILE NAME: C:\USERS\JESSICA.GOODWIN\DESKTOP\02-QUANTITY SHEET (SU) LIGHTING.DGN
USER: Jessica.Goodwin
DATE PLOTTED: November 18, 2024
E-SHEET NAME: ___
OpenRoads Designer v23.00.01.11
11/2/2026