

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	*	TAZEWELL	82	43
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

\*13R-1:(9)TS:(12B)L-1-1

CONSTRUCTION NOTES

- ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
- THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16 FT. MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
- THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
- ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
- THE #18 3-PAIR TWISTED/SHIELDED CABLE SHALL HAVE THE SAME SLACK AS OTHER SIGNAL CABLE AND WILL BE MEASURED FOR PAYMENT.
- ALL DETECTOR LOOPS SHALL UTILIZE A SEPARATE PAIR OF LEAD-IN CABLE.
- A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
- THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE EXISTING PAVEMENT, MILLED SURFACE, OR BINDER COURSE BEFORE THE FINAL OVERLAY. THE RISER AREA SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK SHALL BE INCLUDED IN PRICE FOR DETECTOR LOOPS.
- ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR VERIFICATION OF DETECTOR PLACEMENT BEFORE INSTALLATION.
- THE REMOVAL AND REPLACEMENT OF BITUMINOUS SHOULDER FOR INSTALLATION OF THE DETECTOR LOOP LEAD-IN SHALL BE INCLUDED IN THE PRICE FOR DETECTOR LOOPS.
- PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
- THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
- THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
- COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
- THE CONTRACTOR MAY ELECT TO PUSH A CONDUIT THAT IS SHOWN TO BE TRENCHED ON THE PLANS. HOWEVER, THIS WORK WILL BE MEASURED FOR PAYMENT AND PAID FOR AS CONDUIT IN TRENCH OF THE TYPE AND SIZE SPECIFIED AND TRENCH AND BACKFILL FOR ELECTRICAL WORK.
- THE LOCATIONS FOR HANDHOLES, MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION PRIOR TO INSTALLATION.
- ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
- THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE TEMPORARY AND/OR PROPOSED TRAFFIC SIGNALS.
- ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS SHALL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
- ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND RINGS, HANDHOLE FRAMES, CONTROLLER CABINETS, AND PHOTOCCELL RELAYS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING DEPARTMENT LIGHTING AND TRAFFIC SIGNAL FACILITIES. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE.

SCHEDULE OF QUANTITIES						
ITEM DESCRIPTION	UNIT	TOTAL QTY.	IL 29 (SECOND) & IL 9 (MARGARET)	IL 29 (SECOND) & IL 9 (ANN ELIZA)	OVERHEAD LIGHTING	CCTV CAMERA
SERVICE INSTALLATION, TYPE B	EACH	1	0.5	0.5		
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	352	195	149		8
CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	75	75			
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4	2	2		
ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 1/C NO. 6	FOOT	2370	546	885		939
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	352	195	149		8
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4			4	
LIGHT POLE, ALUMINUM, 50 FT. M.H., 6 FT. DAVIT ARM	EACH	4			4	
BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	16			16	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	590.5	269	321.5		
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1219	590.5	628.5		
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	138		138		
TRAFFIC SIGNAL POST, ALUMINUM 9 FT.	EACH	3	1	2		
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1	1			
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1	1			
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 34 FT. AND 36 FT.	EACH	1		1		
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	40	22	18		
DRILL EXISTING FOUNDATION	EACH	1				1
DRILL EXISTING HANDHOLE	EACH	5	4			1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8	4	4		
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	4	2	2		
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8	4	4		
DETECTOR LOOP, TYPE I	FOOT	324	66	258		
PEDESTRIAN PUSHBUTTON	EACH	4	2	2		
REMOVE EXISTING HANDHOLE	EACH	6	2	4		
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4	2	2		
VIDEO CONTROL CABINET AND EQUIPMENT	L SUM	1				1
REPAIR EXISTING CONDUIT ATTACHED TO STRUCTURE	L SUM	1			1	
FIBER OPTIC CABLE IN CONDUIT, 62.5/125, MM12F SM12F	FOOT	469.5				469.5
ELECTRIC CABLE IN CONDUIT, 1/C, NO. 6 GROUNDING	FOOT	993	264.5	259		469.5
LIGHT POLE, SPECIAL	EACH	12			12	
LUMINAIRE, HIGH PRESSURE SODIUM, SPECIAL	EACH	12			12	
20 AMP, 1-POLE CIRCUIT BREAKER	EACH	1				1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL	L SUM	1	0.5	0.5		
TEMPORARY TRAFFIC SIGNAL INSTALLATION (LOCATION 1)	EACH	1	1			
TEMPORARY TRAFFIC SIGNAL INSTALLATION (LOCATION 2)	EACH	1		1		

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, RANDY LANING, AT (309) 671-4477 TO OBTAIN APPROVAL FOR ALL MAST ARM FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ALL COSTS REQUIRED TO REMOVE OR RELOCATE FACILITIES THAT WERE CONSTRUCTED WITHOUT OBTAINING LOCATION APPROVAL.

TRAFFIC SIGNALS  
SHEET 3 OF 6

NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL  
SCHEDULE OF QUANTITIES  
AND CONSTRUCTION NOTES

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY