

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES					
ITEM DESCRIPTION	UNIT	TOTAL	IL (COURT ST.) & BARNEY AVE	IL 9 (COURT ST.) & MALL ENTRANCE	IL 9 (COURT ST.) & VETERANS/MALL
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	926.0			926.0
DETECTOR LOOP, TYPE I	FOOT	2928.0	526.0	836.0	1566.0
REBUILD EXISTING SIGNAL HEAD, LED	EACH	8.0			8.0
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0			1.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	523.0	390.5		132.5
LED SIGNAL FACE RETROFIT, RED BALL	EACH	8.0			8.0
LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	8.0			8.0
LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	8.0			8.0
BOND TRAFFIC SIGNAL STRUCTURE	EACH	17.0	9.0		8.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	16.0	4.0	6.0	6.0

DETECTOR LOOP INSTALLATION - CONSTRUCTION NOTES
1. DETECTOR LOOP REPLACEMENT QUANTITIES ARE ESTIMATED. THE CONTRACTOR SHALL ONLY REPLACE THE DETECTOR LOOPS THAT ARE DAMAGED BY THE MILLING PROCESS.
2. A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
3. ALL DETECTOR LOOPS SHALL BE PLACED BACK INTO THEIR ORIGINAL LOCATIONS. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES.
4. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE MILLED SURFACE OR LEVELING BINDER COURSE BEFORE THE FINAL OVERLAY.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, RANDY LANINGA, AT (309) 671-4477 FORTY-EIGHT HOURS PRIOR TO BEGINNING MILLING OR PATCHING OPERATIONS.
6. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE FOR DETECTOR LOOP, TYPE I PAY ITEM. THERE WILL BE NO ADDITIONAL COMPENSATION.

CONSTRUCTION NOTES
1. ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
2. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
4. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
5. ALL LOOP RISERS AFFECTED BY THE MILLING OPERATIONS SHALL BE REFLECTED THROUGH THE NEW SURFACE AND ALL LOOP RISERS SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK WILL BE PAID FOR UNDER THE PAY ITEM FOR "ADJUST EXISTING DETECTOR LOOP RISER".
6. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
7. 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.
8. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
9. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
10. ALL TRAFFIC SIGNAL STRUCTURES SHALL BE BONDED IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "BOND TRAFFIC SIGNAL STRUCTURE" AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS (INCLUDING CLAMPS, HARDWARE, ELECTRICAL CABLE, AND ALL OTHER ITEMS REQUIRED TO BOND THE STRUCTURES).
11. A FIVE FOOT PIECE OF GREEN INSULATED #6 1/C XLP-USE CABLE SHALL BE USED TO CONNECT THE HANDHOLE LID TO THE FRAME. THE COST OF THIS WIRE SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR "BOND TRAFFIC SIGNAL STRUCTURE".
12. THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
13. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
14. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
15. THE COST OF REMOVING THE EXISTING TRAFFIC SIGNAL ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EACH OF THE PROPOSED ITEMS.

TRAFFIC SIGNALS - SHEET 1 OF 3

FILE NAME = 68460 Phase II.dgn	USER NAME = jacobsmr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNALS  
SCHEDULE OF QUANTITIES AND CONSTRUCTION NOTES  
NOT TO SCALE SHEET NO. 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	21
CONTRACT NO. 68460				
ILLINOIS FED. AID PROJECT				