

GENERAL TRAFFIC SIGNAL NOTES

1. ALL NON-ESSENTIAL ELECTRIC CABLE SHALL BE REMOVED FROM EXISTING CONDUIT THAT IS TO BE REUSED FOR INSTALLATION OF PROPOSED ELECTRIC CABLE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE PROPOSED ELECTRIC CABLE PAY ITEM.
2. THE FURNISHING AND INSTALLATION OF THE 1 1/4 IN. CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION UNLESS SHOWN OTHERWISE ON THE PLANS.
3. THE INDUCTION LOOP WIRE AND LEAD-IN WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
4. SHIELDED CABLE TO LOOP LEADS SHALL BE GROUNDED AT THE CONTROLLER TERMINAL ONLY.
5. ALL DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2 IN. MINIMUM DIAMETER EXCEPT THOSE PLACED UNDER RESURFACING. THE DETECTOR LOOP CORNERS PLACED UNDER RESURFACING SHALL BE DIAGONALLY SAWCUT.
6. EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE CONTRACT.
7. CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.
8. SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLES SHALL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.
9. THE LOCATION OF THE DETECTOR LOOPS AND TRAFFIC SIGNAL FOUNDATIONS, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.
10. ALL DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO PLACING HMA SURFACE COURSE.
11. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.
12. THE TRAFFIC OPERATIONS ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF MAST ARM AND CONTROLLER FOUNDATIONS, HANDHOLES, GULFBOX JUNCTIONS, AND TEMPORARY SIGNALS AND SHALL APPROVE THE LOCATIONS OF EACH AND MAY ADJUST THEM TO FIT FIELD CONDITIONS.

BILL OF MATERIAL

ITEM	QUANTITY	UNIT
SERVICE INSTALLATION, TYPE A (MODIFIED)	1	EACH
UNDERGROUND CONDUIT, 1 1/2" DIA., PVC	1038	FOOT
UNDERGROUND CONDUIT, 2" DIA., PVC	296	FOOT
UNDERGROUND CONDUIT, 2 1/2" DIA., PVC	64	FOOT
UNDERGROUND CONDUIT, 3" DIA., PVC	238	FOOT
UNDERGROUND CONDUIT, 4" DIA., PVC	10	FOOT
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GAV. STL	538	FOOT
HANDHOLE	8	EACH
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	1	EACH
GULFBOX JUNCTION	2	EACH
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 14" X 12" X 6"	6	EACH
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	3892	FOOT
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	2159	FOOT
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 4 2C	317	FOOT
SIGNAL HEAD, POLYCARBONATE, LED 1 FACE, 3-SECTION, BRACKET MOUNTED	14	EACH
TRAFFIC SIGNAL BACKPLATE	14	EACH
INDUCTION LOOP DETECTOR AMPLIFIER WITH SYSTEM OUTPUT	4	EACH
DETECTOR LOOP, TYPE I	1906	FOOT
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	1	EACH
RADIO TRANSCEIVER	1	EACH
LIGHT POLE, WEATHERING STEEL, 45 FEET	1	EACH

FILE NAME = ...D978182-shr-TS000B.dgn	USER NAME = Rob Heady	DESIGNED - BSE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL TRAFFIC SIGNAL NOTES AND BILL OF MATERIAL I-57 AND IL ROUTE 13	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GLD	REVISED -			* (X1-6-2)HBK-2, HB-1,2 (IX-1)R-1	WILLIAMSON	968	537	
		CHECKED - SPH	REVISED -			* F.A.I. 57 AND F.A.P. 331	CONTRACT NO. 78182			
		DATE - 10/07/11	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: N/A	SHEET NO. OF SHEETS	STA.	TO STA.			