

TRAFFIC SIGNAL GENERAL NOTES

THIS TRAFFIC SIGNAL PORTION OF THIS PROJECT CONSISTS OF TRAFFIC SIGNAL MODERNIZATION AT THE INTERSECTION OF IL 48 AND BRUSH COLLEGE ROAD AND DETECTOR LOOP REPLACEMENT AT THE FOLLOWING FIVE INTERSECTIONS: IL 48 & HUBBARD ROAD, IL 48 & 27TH ST, IL 48 & MOUND ROAD, IL 48 & BRUSH COLLEGE ROAD AND IL 48 & EB I72 RAMPS ALL IN THE CITY OF DECATUR, MACON COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF INSTALLING TRAFFIC SIGNALS AND DETECTOR LOOPS AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL J.U.L.I.E. AT 1-800-892-0123.
THE TRAFFIC SIGNAL UTILITY LINES WILL BE LOCATED BY IDOT, CALL 217-342-3951.

THE SIZE OF THE CABLE SUPPLIED SHALL BE EQUAL TO OR GREATER THAN THE SIZE OF THE CABLE REQUIRED TO CARRY THE LOAD BETWEEN THE CONTROLLER AND THE SERVICE INSTALLATION.

ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.

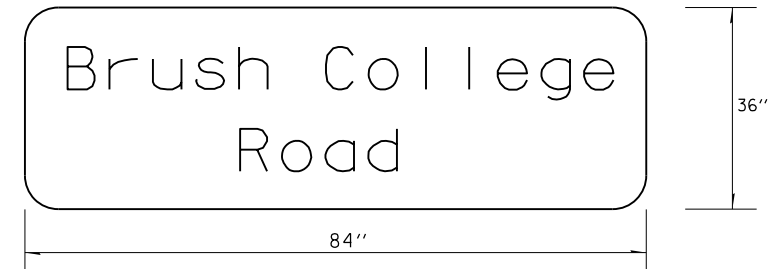
THE NUMBER OF CONDUCTORS FOR ELECTRIC CABLES AS SHOWN ON THE PLANS SHALL BE THE MINIMUM NUMBER OF CONDUCTORS FURNISHED FOR EACH LOCATION. THE CONTRACTOR MAY SUBSTITUTE AN ELECTRIC CABLE WITH MORE CONDUCTORS THAN SPECIFIED BUT NO ADDITIONAL COMPENSATION WILL BE MADE FOR THE EXTRA CONDUCTORS.

ALL NEW TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES WILL NOT BE ALLOWED.

ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.

ALL MAST ARM MOUNTED SIGNAL HEADS SHALL BE MOUNTED AS TO ALIGN WITH THE CENTER OF THE LANE.

TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED SIGNAL HEAD PAY ITEMS.



EXISTING SIGN PANEL DETAILS

SIGN TO BE REMOVED AND REINSTALLED ON EACH OF THE EXISTING MAST ARMS ON IL 48. (2 TOTAL SIGNS)

NUMBER OF TURNS REQUIRED
IN DETECTOR LOOPS

6 X 6		LOOP SIZE
		2 TURNS
		3 TURNS
0	545	4 TURNS
546	818	5 TURNS
819	1145	6 TURNS
1146	1527	7 TURNS
1528	1964	8 TURNS
1965	2455	9 TURNS
2456	3000	10 TURNS

THE NUMBERS IN THE TABLE REPRESENT THE LENGTH OF ELECTRIC CABLE FROM THE LOOP TO THE CABINET

• F.A.P. RTE. 712, F.A.U. RTE. 7464

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/22/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 48 & BRUSH COLLEGE ROAD
TRAFFIC SIGNAL GENERAL NOTES**

SCALE: N/A SHEET 1 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	58-64-IRS, 126RS-2	Macon	69	63
CONTRACT NO. 74537			ILLINOIS FED. AID PROJECT	