

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(BX-1)TS-2	CLARK	8	2

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

• F.A.P. RTE. 332 AND F.A.S. RTE. 1707

### GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2007; AND "THE SPECIAL PROVISIONS" INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED AT THE INTERSECTION OF FAP ROUTE 332 (IL RTE 1) & FAS ROUTE 1707 (US RTE 40) IN THE CITY OF MARSHALL, IN CLARK COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF INSTALLING TRAFFIC AND PEDESTRIAN SIGNALS AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

THE EXISTING UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. 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 OPERATIONS UNIT CHIEF (MIKE WORTHY) AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE NOTIFIED AT 217-342-8284 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNIT.

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.

THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNALS ARE TURNED ON. THE REPRESENTATIVE SHALL MAKE CERTAIN THAT ALL EQUIPMENT OPERATES TO THE SATISFACTION OF THE ENGINEER.

A 2 FOOT MINIMUM, 6 FOOT DESIRABLE, HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE BACK OF CURB TO THE EDGE OF HANDHOLES, JUNCTION BOXES AND SIGNAL POST FOUNDATIONS. A 5 FOOT MINIMUM HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE BACK OF THE CURB TO ALL MAST ARM FOUNDATIONS. CONTROLLER FOUNDATIONS SHALL BE LOCATED AS FAR FROM THE BACK OF THE CURB AS POSSIBLE TO PROTECT THE CONTROLLER CABINET.

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.

NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.

THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE TRENCH AND BACKFILL FOR ELECTRICAL WORK PAY ITEM.

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 AND PEDESTRIAN 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.

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.

ALL TRAFFIC SIGNAL MAST ARM ASSEMBLIES (STANDARD, COMBINATION, OR DUAL) MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.

THE EXISTING TRAFFIC SIGNAL DETECTOR LOOPS ARE TO REMAIN IN PLACE AND BE UTILIZED FOR THE PROPOSED TRAFFIC SIGNALS.

THE EXISTING ELECTRICAL SERVICE, CONTROLLER CABINET AND DOUBLE HANDHOLE WILL BE UTILIZED FOR THE THIS PROJECT. ALL OTHER APPURTENANCES WILL BE REMOVED. ALL GUY WIRES ATTACHED TO THE WOOD POLES USED FOR THE EXISTING TRAFFIC SIGNAL HEADS SHALL BE REMOVED TO A POINT SO AS NOT TO INTERFERE WITH THE PROPOSED WORK.

THERE ARE EIGHT (8) EXISTING LOAD SWITCHES AT THE INTERSECTION OF IL 1 & US 40 THAT WILL NEED TO BE REMOVED AND REPLACED. ONE (1) ADDITIONAL LOAD SWITCH WILL BE INSTALLED DUE TO PHASE CHANGING AT THE INTERSECTION. ALL NINE (9) LOAD SWITCHES WILL BE INCLUDED WITH THE MODIFY CONTROLLER CABINET PAY ITEM.

ALL EXISTING EQUIPMENT THAT IS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CITY OF MARSHALL. THE CONTRACTOR SHALL CONTACT THE CITY AND MAKE ARRANGEMENTS FOR THE DELIVERY OF THE EQUIPMENT.

CITY OF MARSHALL CONTACT:  
 GEORGE SMITH  
 DEPARTMENT OF PUBLIC WORKS  
 201 S. MICHIGAN AVE  
 MARSHALL, IL 62441  
 PHONE: (217) 826-8087

### INDEX OF SHEETS

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- 3 SUMMARY OF QUANTITIES
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- 7 DETAILS
- 8 BORING LOGS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 8:

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701006-02	OFF-RD OPERATIONS, 2L, 2W, 15' TO 2' FROM EDGE OF PAVEMENT
701101-01	OFF-RD OPERATIONS, MULTILANE, 15' TO 2' FROM EDGE OF PAVEMENT
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-06	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006-01	SIGN PANEL ERECTION DETAILS
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
814001-01	HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-01	TRAFFIC SIGNAL GROUNDING & BONDING
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
878001-05	CONCRETE FOUNDATION DETAILS
880006	TRAFFIC SIGNAL MOUNTING DETAILS

PLOT DATE = 10/12/2006  
 PLOT SCALE = 24.0000 / IN.  
 USER NAME = bmartin

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## GENERAL NOTES & INDEX OF SHEETS

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_