CONTRACT NO. 74087

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	•	EFFINGHAM	12	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• D7 SIGNAL MODERNIZATION 2006-1

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2002; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2004; AND "THE SPECIAL PROVISIONS" INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED AT THE INTERSECTION OF FAP 95 (IL 33-FAYETTE AVENUE) & BANKER STREET, FAP 95 (IL 33-FAYETTE AVENUE) & MAPLE STREET AND FAU 8379 (US 45) & RICKLEMAN AVENUE ALL IN THE CITY OF EFFINGHAM, IN EFFINGHAM COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF MEDIAN REMOVAL AND PAVEMENT REPLACEMENT, INSTALLING TRAFFIC AND PEDESTRIAN SIGNALS, AN UNINTERRUPTIBLE POWER SUPPLY 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 LOCATION OF ALL TRAFFIC COMPONENTS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE FINAL LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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.

GENERAL NOTES (Cont'd)

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.

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 LUMINAIRE ARM LENGTH ON THE COMBINATION MAST ARM ASSEMBLY ON BANKER STREET (STA. 106+44.8) SHALL BE 6'. THE LUMINAIRE ARM SHALL BE SITUATED SO THAT IT PROTRUDES FROM THE POLE IN THE SAME DIRECTION AS THE MAST ARM. THE LUMINAIRE MOUNTING HEIGHT SHALL BE 35 FEET. THE EXISTING LUMINAIRE POLE, FOUNDATION AND LUMINAIRE SHALL BE REMOVED AND SALVAGED BY AMERENCIPS FORCES. THE CONTRACTOR SHALL INSTALL THE SALVAGED LUMINAIRE ON THE MAST ARM AND PULL THE WIRING FROM THE LUMINAIRE DOWN THE MAST ARM AND LEAVE THE SLACK COILED AT THE FOUNDATION. AMERENCIPS WILL MAKE THE FINAL CONNECTION AT THE BASE OF THE MAST ARM.

THERE ARE 14 EXISTING LOAD SWITCHES AT THE INTERSECTION OF FAYETTE & BANKER AND 10 EXISTING LOAD SWITCHES AT THE INTERSECTION OF FAYETTE AVENUE & MAPLE STREET THAT WILL ALL NEED TO BE REMOVED AND REPLACED.

THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTION OF SECTION 895 OF THE STANDARD SPECIFICATIONS. THERE ARE 5 EXISTING TRAFFIC SIGNAL HEADS AT THE INTERSECTION OF FAYETTE AVENUE & BANKER STREET AND 10 EXISTING TRAFFIC SIGNAL HEADS AT THE INTERSECTION OF FAYETTE AVENUE & MAPLE STREET THAT SHALL BECOME THE PROPERTY OF THE CITY OF EFFINGHAM. THE CONTRACTOR SHALL SAVE HARMLESS AND DELIVER THE EQUIPMENT TO:

EFFINGHAM ELECTRIC SHOP, INC
1301 S. BANKER ST
EFFINGHAM, IL 62401
217-342-3474

CITY OF EFFINGHAM CONTACT:

GREG KOESTER-ENGINEERING TECHNICIAN
CITY OF EFFINGHAM
217-342-5303

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STANDARDS IN THE PLANS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 12:

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420601-04	24' PCC PAVEMENT
420701-01	PAVEMENT FABRIC
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 2' FROM EDGE OF PAVEMENT
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-04	URBAN LANE CLOSURE, MULTILANE, 2W W/ MOUNTABLE MEDIAN
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	SIDEWALK CLOSURE
702001-06	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001	UNINTERRUPTABLE POWER SUPPLY
873001	TRAFFIC SIGNAL GROUNDING
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
878001-04	CONCRETE FOUNDATION DETAILS
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUTS FOR DETECTION LOOPS
780001-01	

REVISIONS NAME	DATE

Rev.

ILLINOIS DEPARTMENT OF TRANSPORTATION

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STANDARDS IN THE PLANS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

PLOT DATE = 3/24/2006
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = district