



INTERCONNECT SCHEMATIC LEGEND

EXISTING INTERSECTION CONTROLLER		EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	
PROPOSED INTERSECTION CONTROLLER		PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	
EXISTING MASTER CONTROLLER		EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	
PROPOSED MASTER CONTROLLER		PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
MASTER MASTER CONTROLLER		EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS		PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	
EXISTING SAMPLING (SYSTEM) DETECTORS		PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	
PROPOSED SAMPLING (SYSTEM) DETECTORS		EXISTING ELECTRIC CABLE, 1/C (AS SPECIFIED)	
EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS		PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)	
EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS		EXISTING INTERCONNECT CABLE - NO. 62.5/125, 36F FIBER OPTIC CABLE	
EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		PROPOSED FIBER OPTIC CABLE IN CONDUIT - 24 SINGLEMODE	
PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		EXISTING TELEPHONE CONNECTION	
EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS		PROPOSED TELEPHONE CONNECTION	
PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS		EXISTING ISDN TELEPHONE CONNECTION	
		PROPOSED ISDN TELEPHONE CONNECTION	

CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL INSTALL NEW FIBER OPTIC CABLE IN CONDUIT, 24 SINGLEMODE FROM YORK HOUSE ROAD TO 27TH STREET IN THE EXISTING INTERCONNECT CONDUIT.
- 2 THE CONTRACTOR SHALL INCLUDE 6 NEW TERMINATIONS OF THE EXISTING FIBER OPTIC CABLE AND THE INSTALLATION OF A VIDEO ENCODER AND A LAYER II (DATA LINK) SWITCH.
- 3 THE CONTRACTOR SHALL UPGRADE THE EXISTING CONTROLLER TO NTCP COMPLIANCY. MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION (SPECIAL) SHALL BE PAID FOR SEPARATELY.
- 4 THE CONTRACTOR SHALL REMOVE THE EXISTING VIDEO TRANSMISSION SYSTEM AND DELIVER IT TO THE LAKE COUNTY DIVISION OF TRANSPORTATION'S MAINTENANCE CONTRACTOR.
- 5 THE LAYER III FIBER OPTIC TRANSCEIVER MODULE, SFP TYPE, LONG DISTANCE SHALL BE INSTALLED BY A LAKE COUNTY DIVISION OF TRANSPORTATION CONSULTANT IN THE COMMUNICATIONS CABINET AT IL RTE 131 (GREEN BAY RD) AND WASHINGTON STREET, BUT PROVIDED BY THE CONTRACTOR FOR THIS PROJECT. THE CONTRACTOR SHALL COORDINATE WITH LAKE COUNTY DIVISION OF TRANSPORTATION.

FILE NAME = 4135.315-TR1.dwg	USER NAME = GHA	DESIGNED - JRD	REVISED - 9/15/09 (LCDOT)
		DRAWN - ZCW	REVISED - 9/25/09 (IDOT)
		CHECKED - DPB	REVISED - 10/19/09 (LCDOT)
		DATE - 10/19/09	REVISED -

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INTERCONNECT SCHEMATIC
(SHEET 1 OF 2)
LEWIS AVENUE FROM 14TH ST TO ROSECRANS RD (IL RTE 173)

SCALE: NONE SHEET NO. 68 OF 86 SHEETS STA. TO STA.

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2730	08-00259-00-TL	LAKE	86	68
CONTRACT #:			63344	
ILLINOIS FED. AID PROJECT				

GHA #4135.800

MATCH LINE SEE SHEET 69