



PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	

**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. 62.5/125 12F FIBER OPTIC CABLE          |
|  | 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 & SAMPLING (SYSTEM) DETECTORS |  | PROPOSED ELECTRIC CABLE 1/C (AS SPECIFIED)                                |
|  | EXISTING SAMPLING (SYSTEM) DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS                |  | EXISTING TELEPHONE CONNECTION   |
|  | EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS                            |  | PROPOSED TELEPHONE CONNECTION   |
|  | PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS                            |  | EXISTING VIDEO DETECTION CAMERA   |
|  | EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS   |  | PROPOSED VIDEO DETECTION CAMERA   |
|  | PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS   |  | EXISTING INTERSECTION AND PROPOSED SAMPLING (SYSTEM) VIDEO DETECTION ZONE |
|  | PROPOSED CENTRALIZED TRANSPORTATION MANAGEMENT SYSTEM                                    |  | PROPOSED SAMPLING (SYSTEM) VIDEO DETECTION ZONE                           |
|  | PROPOSED WIRELESS ANTENNA  |  | EXISTING WIRELESS ANTENNA   |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**INTERCONNECT SCHEDULE OF QUANTITIES**

PAY ITEM DESCRIPTION	UNIT	INTERCONNECT
TRANSCIVER	EACH	9
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	261
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1
WIRELESS INTERCONNECT (COMPLETE)	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	261
TERMINAL SERVER	EACH	1
ETHERNET SWITCH	EACH	1
CENTRALIZED SYSTEM FIELD INTEGRATION/SETUP	L SUM	1
FIBER OPTIC SPLICE	EACH	1

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN BAH	REVISED -
	PLOT SCALE = #SCALE#	CHECKED APS	REVISED -
	PLOT DATE = 6/8/2009	DATE JAN 16 2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC  
SHEET 1 OF 3**

SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	08-00272-00-TL	KANE	40	37
CONTRACT NO. 63177				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				