



- NOTES:**
- 36F IS FIBER OPTIC CABLE No. 62.5/125 MM 12F, SM24F
  - NEW ELEMENTS SHOWN IN BOLD, EXISTING ELEMENTS INCLUDED FOR REFERENCE ONLY (GREY SCALE)

SEE SHEET 64 FOR TRAFFIC SIGNAL LEGEND

EXISTING INTERCONNECT TO FABYAN PKWY.

MODIFY EXISTING CONTROLLER CABINET MALFUNCTION MANAGEMENT UNIT (ED1-16LE1P) ETHERNET MANAGED SWITCH TYPE 1

**CABLE PLAN**  
NOT TO SCALE

**SCHEDULE OF QUANTITIES - KIRK ROAD AND HUBBARD AVENUE**

PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	94
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SERVICE INSTALLATION-POLE MOUNTED	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	4
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	431
MALFUNCTION MANAGEMENT UNIT	EACH	1
ETHERNET MANAGED SWITCH TYPE 1	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, LEVEL 2	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE (INCAND.)	WATTAGE (LED)	% OPERATION	
SIGNAL (RED)	10	17	0.50	0.50	85
(YELLOW)	10	25	0.25	0.25	62.5
(GREEN)	10	15	0.25	0.25	62.5
ARROW	10	12	0.10	0.10	12
PED. SIGNAL	2	25	1.0	1.0	50
CONTROLLER	0	100	1.0	1.0	0
ILLUM. SIGN	0	25	1.0	1.0	0
FLASHER	0	-	-	-	0
TOTAL =					272

ENERGY COST TO : KANE COUNTY DIVISION OF TRANSPORTATION  
41 W011 BURLINGTON ROAD  
ST. CHARLES, ILLINOIS 60175

ENERGY SUPPLY CONTACT: COMED  
PHONE: 1-800-EDISON1  
COMPANY: COMED

FOUNDATION (DEPTH)	(FT.)	CABLE SLACK	(FT.)	VERTICAL	(FT.)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
C - CONTROLLER #/UPS	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'xL-2 =
D - CONTROLLER	4	SIGNAL POST	2	BRACKET MOUNTED	13
E - MAST ARM POLE		CONTROLLER CAB.	1	PED. PUSHBUTTON	6
	30"	FIBER OPTIC	13	ELECTRIC SERVICE	13.5
	36"	ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
	42"	GROUND CABLE	1	POST MOUNTED	6

**JACOBS**  
ONE NORTH FRANKLIN  
CHICAGO IL, 60606  
312-251-3000

USER NAME =	DESIGNED - CH	REVISED -
PLOT SCALE =	DRAWN - MO, DI	REVISED -
PLOT DATE = 11/7/2011	CHECKED - KG	REVISED -
	DATE - #09TE	REVISED -

**KANE COUNTY**  
DIVISION OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES**  
KIRK ROAD AND HUBBARD AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	10-00403-00-TL	KANE	72	12
CONTRACT NO. 63648				
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				