

**SCHEDULE OF QUANTITIES - KIRK ROAD AND IL RTE 56 (BUTTERFILED ROAD)**

PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
MODIFY EXISTING CONTROLLER CABINET, SPECIAL MALFUNCTION MANAGEMENT UNIT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, LEVEL 2	EACH	1
CONFIRMATION BEACON	EACH	4
INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	94
ETHERNET MANAGED SWITCH, TYPE 2	EACH	1

- NOTES:**
- NEW ELEMENTS SHOWN IN BOLD, EXISTING ELEMENTS INCLUDED FOR REFERENCE ONLY (GREY SCALE)
  - 24F IS FIBER OPTIC CABLE No. 62.5/125 MM 12F. SM12F

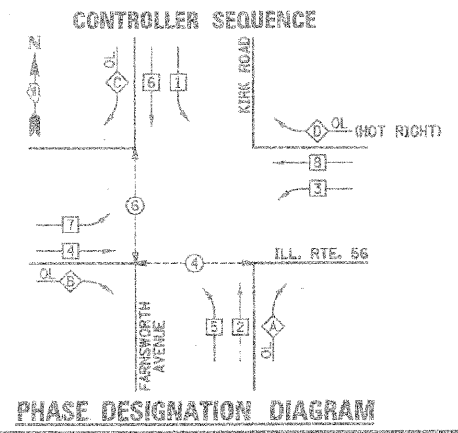
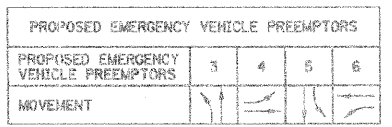
SEE SHEET 64 FOR TRAFFIC SIGNAL LEGEND

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE		TOTAL WATTAGE
		INCAND.	LED	
SIGNAL (RED)	23	17	0.50	195.5
(YELLOW)	23	25	0.25	143.8
(GREEN)	23	15	0.25	86.3
ARROW (NORMAL)	12	12	0.10	14.4
ARROW (WB RIGHT)	2	15	1.00	30.0
PED. SIGNAL	4	25	1.00	100.0
CONTROLLER	1	100	1.00	100.0
BATTERY BACKUP	1	25	1.00	25.0
ILLUM. SIGN			0.05	
FLASHER			0.50	
TOTAL =				695.0

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: DAVE HUBERTY  
PHONE: (847) 608-2342  
COMPANY: COMMONWEALTH EDISON

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
C - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'-H.-2"
D - CONTROLLER	4 (1.2)	SIGNAL POST	2 (0.6)		(9m-H.-0.6m)
E - M.A. LENGTH		CONTROLLER CAB.	1 (0.3)	BRACKET MOUNTED	13 (4.0)
<30'	30" (900mm)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
<40'	30" (750mm)	ELECTRIC SERVICE	1 (0.3)	ELECTRIC SERVICE	13.5 (4.1)
<40'	36" (900mm)	GROUND CABLE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
<50'	36" (900mm)			POST MOUNTED	6 (1.8)
<250'	36" (900mm)				



**CONTROLLER SEQUENCE LEGEND**

- SINGLE ENTRY PHASE
- OVERLAP
- NUMBER REFERRING TO ASSOCIATED PHASE
- PEDESTRIAN PHASE

OVERLAP PHASE	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
B	4	5
C	6	7
D	(NOT) CONTINUOUS GREEN RIGHT ARROW	

NOTES:  
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "AS-BUILT" TO MATCH THE EXISTING ADJACENT SYSTEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 56 AT KIRK / FARNSWORTH

**CABLE PLAN AND PHASE DESIGNATION DIAGRAM**

SCALE: VERT. N/A  
HORIZ. 4"=1'-0"  
DATE: APR 06 2007

DRAWN BY: BAH  
CHECKED BY: AFS

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

REVISIONS:

NO.	DATE	DESCRIPTION
1		

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

REVISIONS:

NO.	DATE	DESCRIPTION
1		

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365 01-00273-00-CH	KANE	172	102

CONTRACT NO. 63648