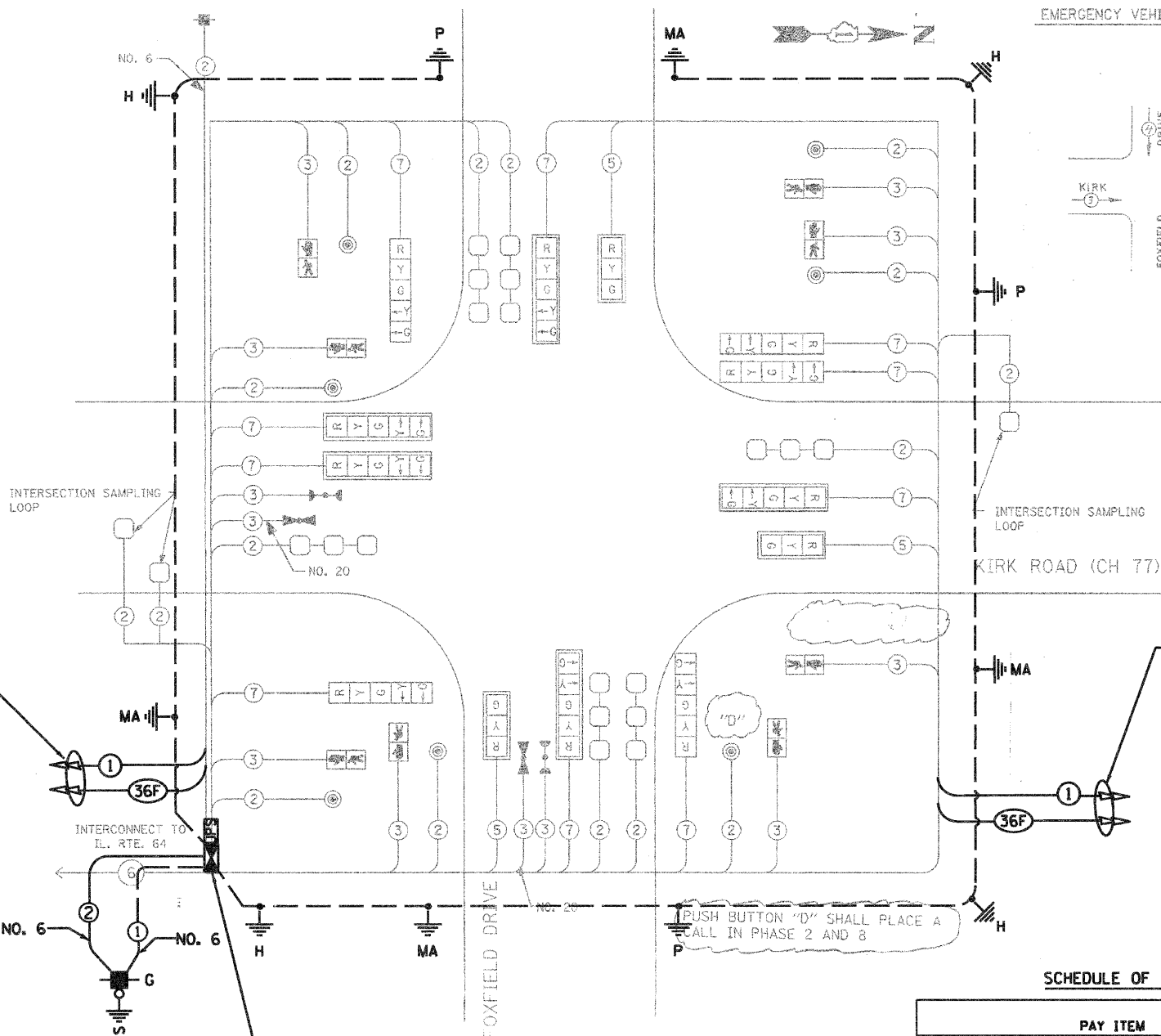
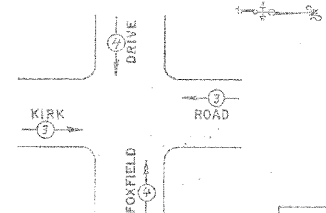


SEE SHEET 64 FOR TRAFFIC SIGNAL LEGEND

- NOTES:**
1. NEW ELEMENTS SHOWN IN BOLD, EXISTING ELEMENTS INCLUDED FOR REFERENCE ONLY (GREY SCALE)
  2. 36F IS FIBER OPTIC CABLE SM36F
  3. ELECTRICAL SERVICE METER WILL NEED TO BE RELOCATED BY OTHERS
  4. MALFUNCTION MANAGEMENT UNIT TO BE PAID FOR UNDER FULL-ACTUATED CONTROLLER AND TYPE IV CABINET



EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTIONS	
EMERGENCY VEHICLE PREEMPTION	3 4
MOVEMENT	← →

PROPOSED INTERCONNECT TO IL RTE 64

PROPOSED INTERCONNECT TO FOX CHASE DRIVE

ETHERNET MANAGED SWITCH TYPE 1 MALFUNCTION MANAGEMENT UNIT (SEE NOTE 4)

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

FOUNDATION (DEPTH)	(FT.)	CABLE SLACK	(FT.)	VERTICAL	(FT.)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
C - CONTROLLER W/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

SCHEDULE OF QUANTITIES - KIRK RD. AND FOXFIELD DRIVE

PAY ITEM	UNIT	QUANTITY
EARTH EXCAVATION	CU YD	2
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	23.2
CONDUIT IN TRENCH, 2" DIA. GALVANIZED STEEL	FOOT	10
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2	FOOT	25
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SERVICE INSTALLATION-GROUND MOUNTED	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	4
UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	443
ETHERNET MANAGED SWITCH, TYPE 1	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, LEVEL 2	EACH	1
CONFIRMATION BEACON	EACH	4

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

USER NAME =	DESIGNED - CH	REVISED -
PLLOT SCALE =	DRAWN - MO, DI	REVISED -
PLLOT DATE = 11/7/2011	CHECKED - KG	REVISED -
	DATE - 4DATE	REVISED -

KANE COUNTY  
DIVISION OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND SCHEDULE OF QUANTITIES  
KIRK ROAD AND FOXFIELD DRIVE

F.A.P. RTE. 360	SECTION 10-00403-00-TL	COUNTY KANE	TOTAL SHEETS 72	SHEET NO. 28
CONTRACT NO. 63648			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	