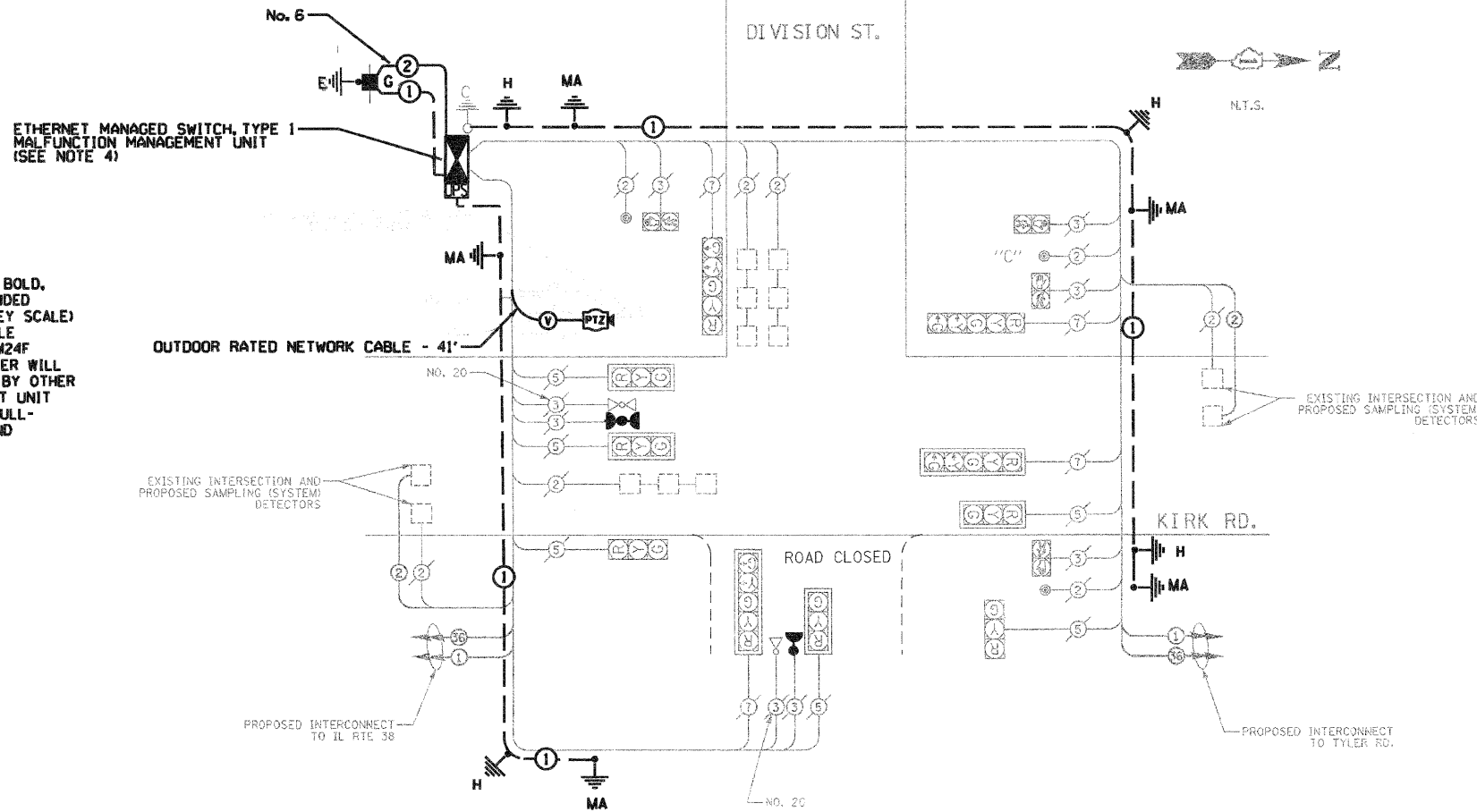
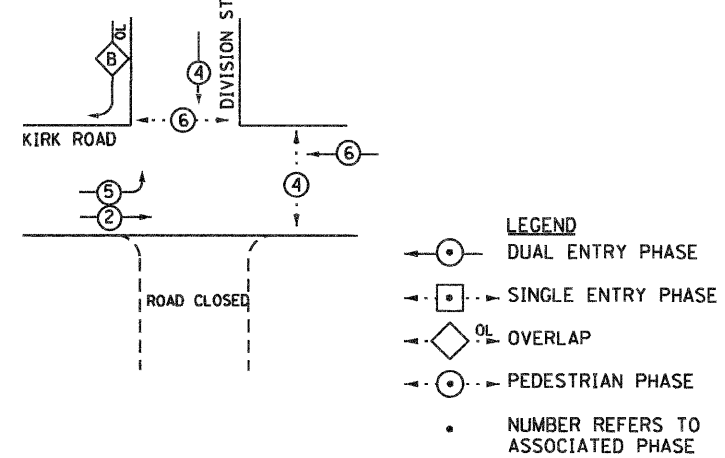


CABLE PLAN

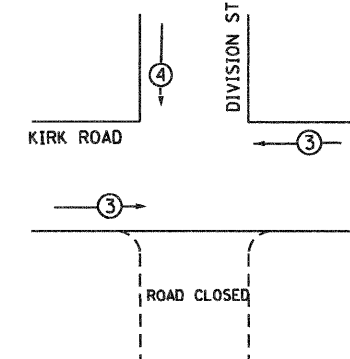


- NOTES:**
1. NEW ELEMENTS SHOWN IN BOLD. EXISTING ELEMENTS INCLUDED FOR REFERENCE ONLY (GREY SCALE)
 2. 36F IS FIBER OPTIC CABLE No. 62.5/125 MM 12F, SM24F
 3. ELECTRICAL SERVICE METER WILL NEED TO BE RELOCATED BY OTHER
 4. MALFUNCTION MANAGEMENT UNIT TO BE PAID FOR UNDER FULL-ACTUATED CONTROLLER AND TYPE IV CABINET



RIGHT TURN OVERLAP PHASE DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	4	5



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→	↓

PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 4

SEE SHEET 64 FOR TRAFFIC SIGNAL LEGEND

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	x WATTAGE	% OPERATION	TOTAL WATTAGE
		INCAND. 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: JENNIFER HILKEMAN
PHONE: (630) 232-1503
COMPANY: CITY OF GENEVA

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 DIVISION ST.

PAY ITEM	UNIT	QUANTITY
EARTH EXCAVATION	CU YD	2
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	23.2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	28
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	4
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	431
ETHERNET MANAGED SWITCH, TYPE 1	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, LEVEL 2	EACH	1
CONFIRMATION BEACON	EACH	3
OUTDOOR RATED NETWORK CABLE	FOOT	41
INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1

<p>JACOBS ONE NORTH FRANKLIN CHICAGO IL, 60606 312-251-3000</p>	USER NAME =	DESIGNED - CH	REVISED -	<p>KANE COUNTY DIVISION OF TRANSPORTATION</p>	<p>CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES KIRK ROAD AND DIVISION STREET</p>	F.A.P. RTE. 360	SECTION 10-00403-00-TL	COUNTY KANE	TOTAL SHEETS 72	SHEET NO. 20	
	PLOT SCALE =	DRAWN - MO, DI	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 63648			
	PLOT DATE = 11/7/2011	CHECKED - KG	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
	DATE - #DATE	REVISED -	REVISED -								