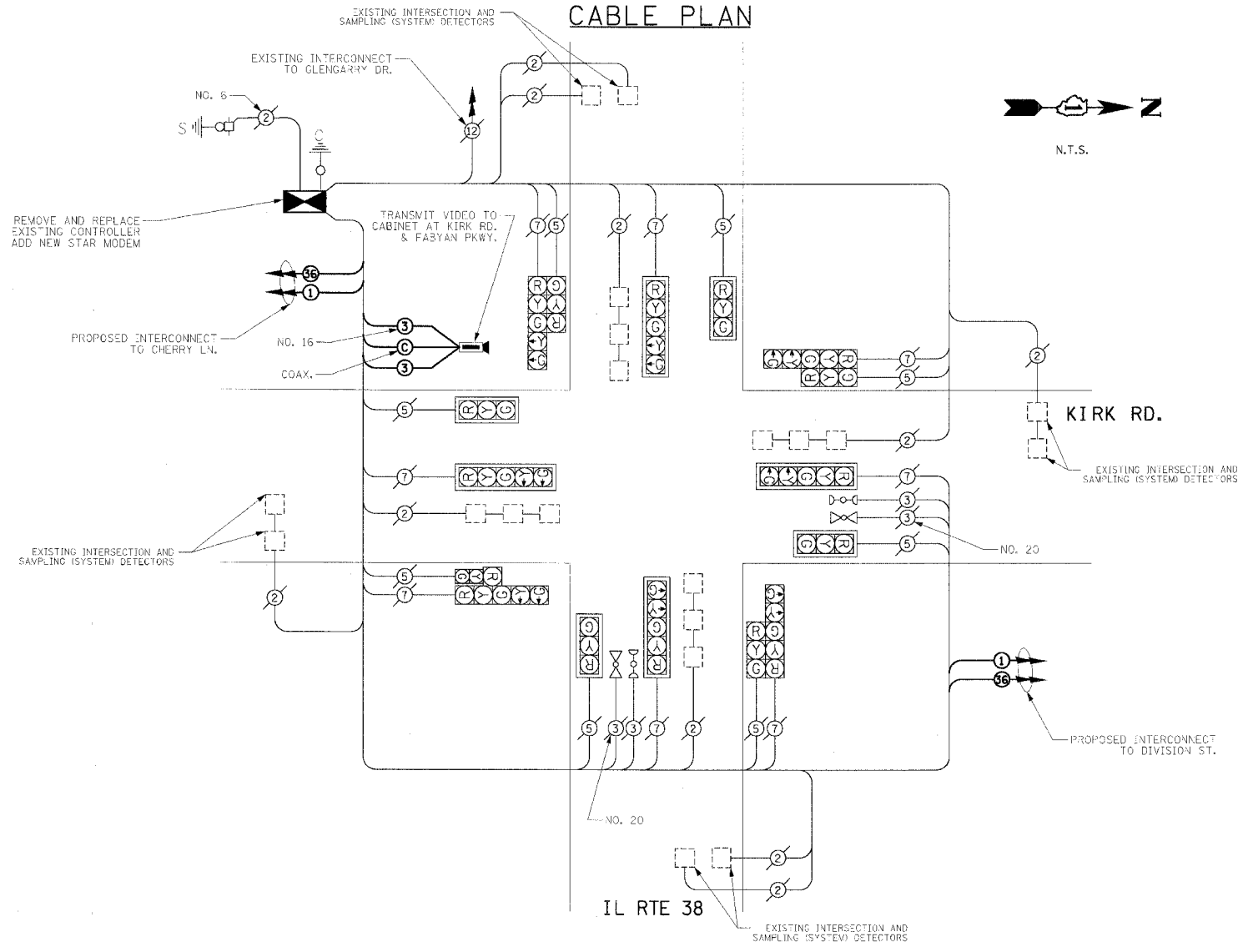


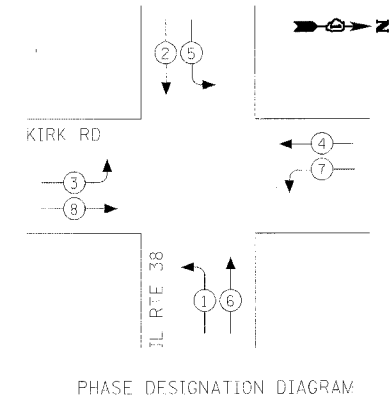
CABLE PLAN LEGEND

EXISTING	PROPOSED	
(C)	(C)	8" (200mm) TRAFFIC SIGNAL SECTION
(R)	(R)	12" (300mm) TRAFFIC SIGNAL SECTION
(W)	(W)	12" (300mm) PEDESTRIAN SIGNAL SECTION
(P)	(P)	12" (300mm) PEDESTRIAN SIGNAL SECTION
(K)	(K)	CONTROLLER CABINET
(S)	(S)	SERVICE INSTALLATION
(T)	(T)	TELEPHONE CONNECTION
(V)	(V)	VEHICLE DETECTOR, INDUCTION LOOP
(M)	(M)	MAGNETIC DETECTOR
(E)	(E)	EMERGENCY VEHICLE LIGHT DETECTOR
(C)	(C)	CONFIRMATION BEACON
(P)	(P)	PUSHBUTTON DETECTOR
(2)	(2)	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
(1)	(1)	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
(24)	(24)	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
(R)	(R)	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
(R)	(R)	RAILROAD CONTROL CABINET
(E)	(E)	ILLUMINATED SIGN "NO LEFT TURN"
(E)	(E)	ILLUMINATED SIGN "NO RIGHT TURN"
(H/C)	(H/C)	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
(P)	(P)	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
(S)	(S)	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
(M)	(M)	MICROWAVE VEHICLE SENSOR
(56)	(56)	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM24F SM12F
(C)	(C)	PAN-TILT-ZOOM CAMERA

CABLE PLAN



PROPOSED CONTROLLER SEQUENCE



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360 D3-00320-00-TL		KANE	33	18
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 83808				

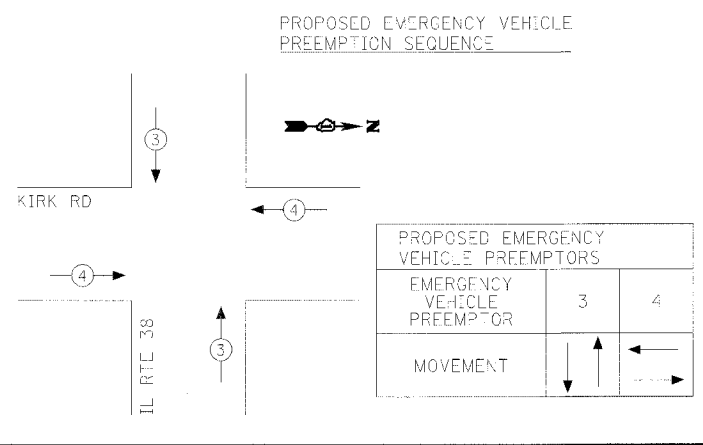
SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET, SPECIAL
81	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
81	FOOT	VIDEO ELECTRIC CABLE IN CONDUIT, NO. 16 3C
81	FOOT	VIDEO BELDEN 8281 COAXIAL CABLE IN CONDUIT
2	EACH	DRILL EXISTING HANDHOLE
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOTE-CONTROLLED VIDEO SYSTEM

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

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	
SIGNAL (RED)	16	135	17	0.50	1080.0
(YELLOW)	16	135	25	0.25	540.0
(GREEN)	16	135	15	0.25	540.0
ARROW	16	135	12	0.10	216.0
PED. SIGNAL	30	25		1.00	
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 2476.0
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 W. CENTER COURT SCHAUMBURG, ILLINOIS 60196					
ENERGY SUPPLY CONTACT: JENNIFER HILKEMANN PHONE: (630) 232-1503 COMPANY: CITY OF GENEVA					

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)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20" x L - 2 =
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m x L - 0.6m) =	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)



KENIG, LINDGREN, O'HARA, ABOONA, INC.
9575 West Higgins Road, Suite 400
Rosemont, Illinois 60018
(847) 518-9990 FAX (847) 518-9987

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
SCHEDULE OF QUANTITIES
KIRK RD AT IL RTE 38

SCALE: NONE
DATE: 07/19/05

DRAWN BY: DMS
DESIGNED BY: DMS
CHECKED BY: DMS