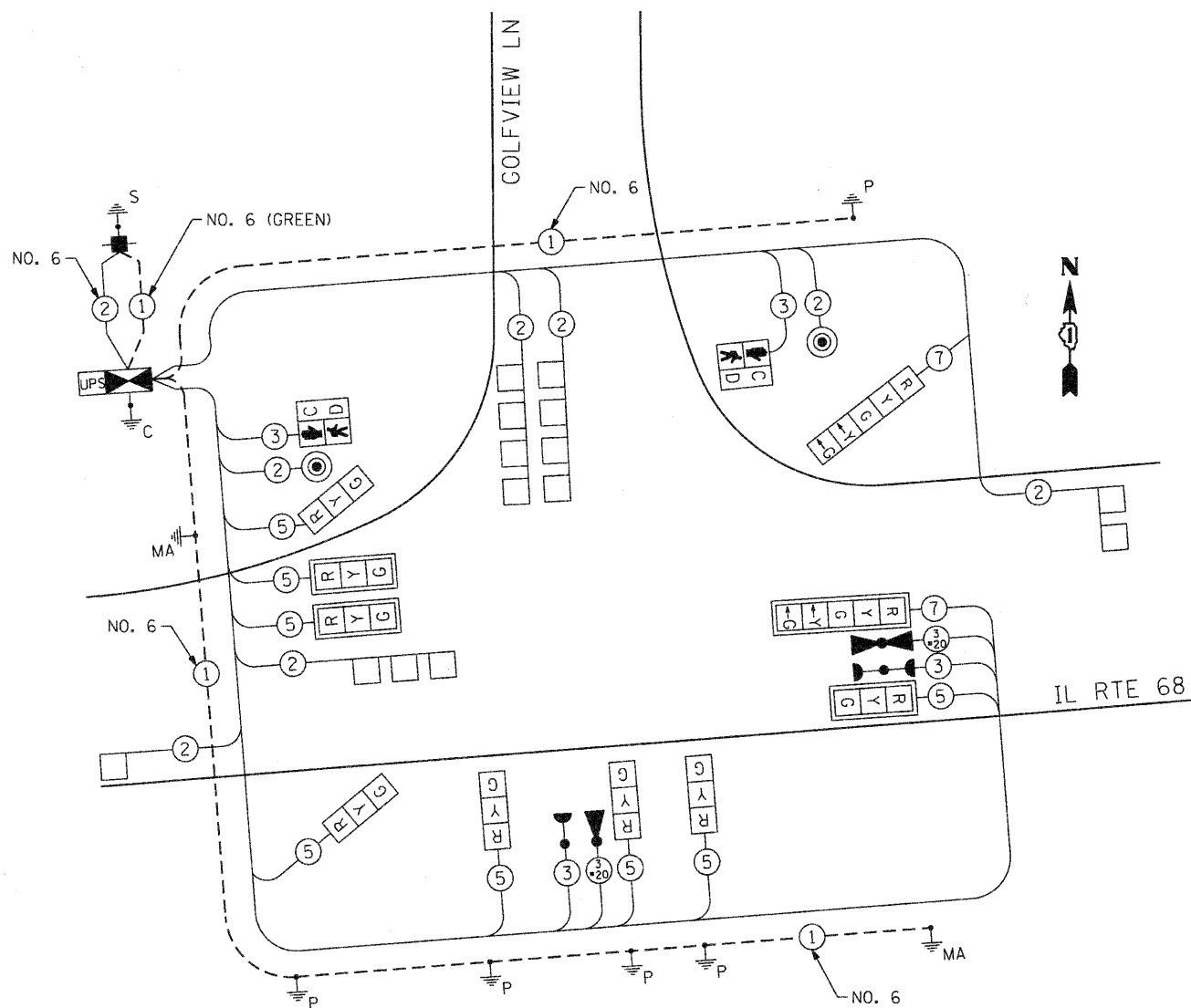


SCHEDULE OF QUANTITIES

CODE NUMBER	PAY ITEM DESCRIPTION	UNITS	TOTAL
72000100	SIGN PANEL - TYPE 1	SQ FT	24
81000600	CONDUIT IN TRENCH, 2" DIA, GALVANIZED STEEL	FOOT	677
81000700	CONDUIT IN TRENCH, 2 1/2" DIA, GALVANIZED STEEL	FOOT	162
81000800	CONDUIT IN TRENCH, 3" DIA, GALVANIZED STEEL	FOOT	155
81001000	CONDUIT IN TRENCH, 4" DIA, GALVANIZED STEEL	FOOT	25
81018500	CONDUIT PUSHED, 2" DIA, GALVANIZED STEEL	FOOT	122
81018600	CONDUIT PUSHED, 2 1/2" DIA, GALVANIZED STEEL	FOOT	134
81018900	CONDUIT PUSHED, 4" DIA, GALVANIZED STEEL	FOOT	88
81400100	HANDHOLE	EACH	4
81400200	HEAVY-DUTY HANDHOLE	EACH	2
81400300	DOUBLE HANDHOLE	EACH	2
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1,280
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2/C	FOOT	217
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3/C	FOOT	1,292
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5/C	FOOT	1,922
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7/C	FOOT	1,072
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,032
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FOOT	218
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	3
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	1
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT.	EACH	1
87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	14
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	13
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	4
88500100	INDUCTIVE LOOP DETECTOR	EACH	5
88600100	DETECTOR LOOP, TYPE 1	FOOT	484
88700200	LIGHT DETECTOR	EACH	3
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH BUTTON	EACH	2
X8050015	SERVICE INSTALLATION, POLE MOUNTED	EACH	1
X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1/C	FOOT	1,103
XX005660	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED SHIELDED	FOOT	1,058



CABLE PLAN

NOTE:
THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

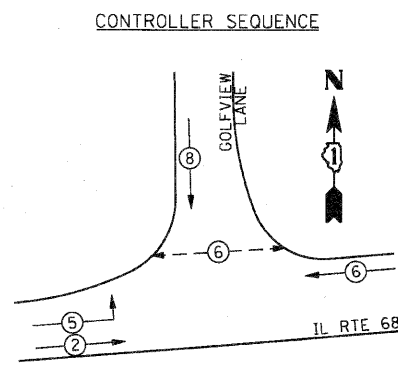
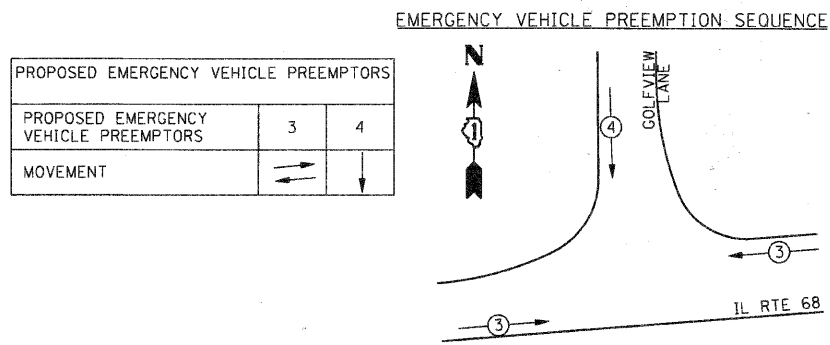
NOTE:
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

NOTE:
THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE TOMAR OR AN APPROVED EQUAL.

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	10	17	0.50	85	
(YELLOW)	10	25	0.25	62.50	
(GREEN)	10	15	0.25	37.50	
ARROW (YELLOW)	2	12	0.10	2.40	
ARROW (GREEN)	2	12	0.10	2.40	
PEDESTRIAN SIGNAL	2	25	1.00	50	
CONTROLLER	1	100	1.00	100	
UPS	1	25	1.00	25	
TOTAL =				364.80	

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY CONTACT: KATHY NYSTROM
PHONE: (847) 608-2331
COMPANY: COMMONWEALTH EDISON



SEC GROUP, INC.
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USER NAME = CHe-rke	DESIGNED - JJS	REVISED -
PLOT SCALE = N.T.S.	DRAWN - JJS	REVISED -
PLOT DATE = 11/17/2010	CHECKED - CJP	REVISED -
	DATE - 10/25/10	REVISED -

VILLAGE OF CARPENTERSVILLE

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
ILLINOIS ROUTE 68 AT GOLFVIEW LANE

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. NA TO STA. NA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2414	06-00074-00-FP	KANE	211	109
* FAU 2414, FAU 1280, FAP 343			CONTRACT NO. 63504	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				