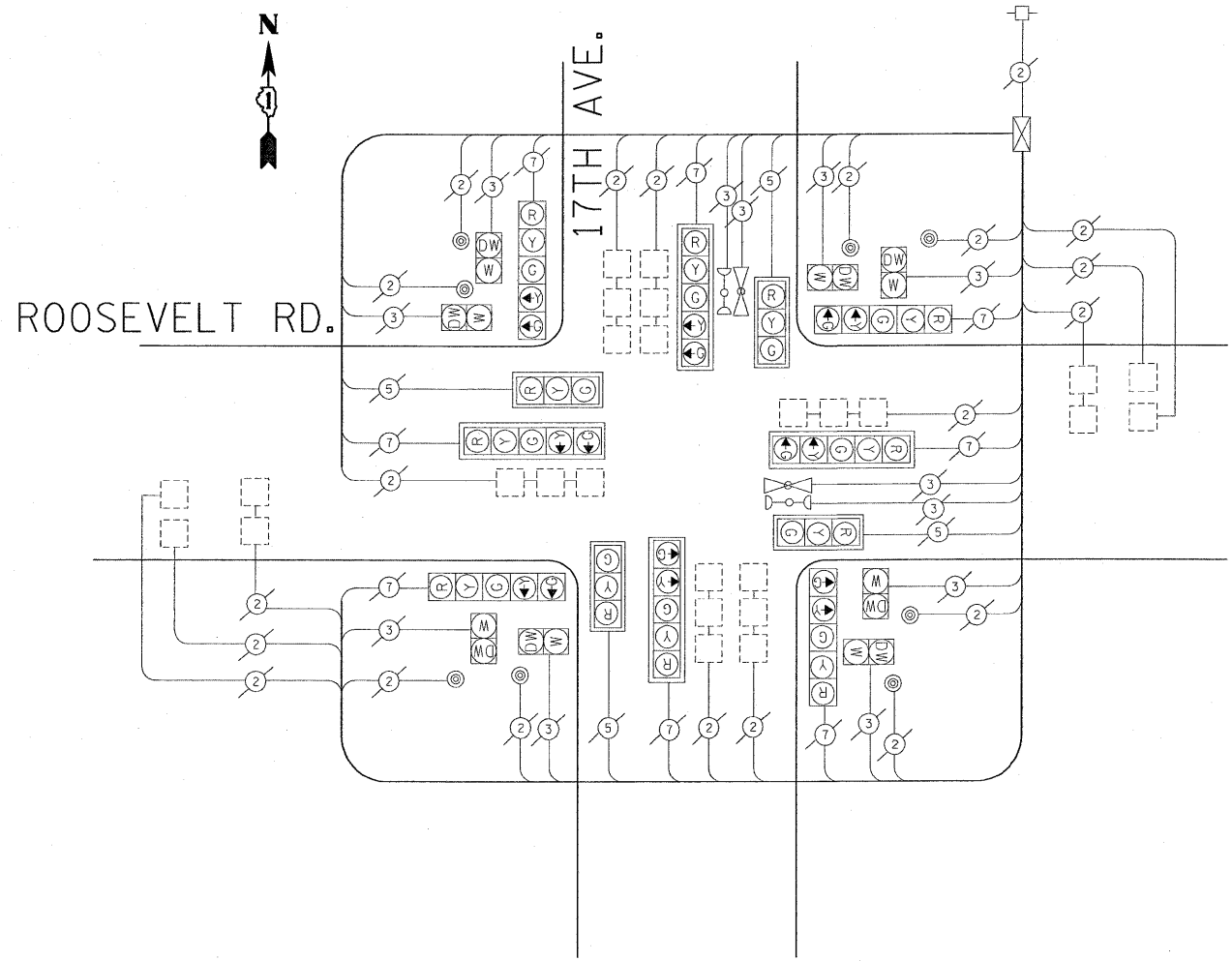


PROPOSED EMERGENCY VEHICLE PREEMPTOR		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓



CABLE PLAN LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER CABINET			12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE		
RAILROAD CONTROL CABINET			12" (300mm) TRAFFIC SIGNAL SECTION		
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT			12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER		
TELEPHONE CONNECTION			ILLUMINATED SIGN "NO LEFT TURN"		
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			ILLUMINATED SIGN "NO RIGHT TURN"		
FIBER OPTIC CABLE IN CONDUIT, NUMBER OF FIBERS AS NOTED			PUSHBUTTON DETECTOR		
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED			DETECTOR LOOP		
GROUND CABLE IN CONDUIT NO. 6 COPPER			PREFORMED DETECTOR LOOP		
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD			MICROWAVE VEHICLE SENSOR		
			VIDEO DETECTOR		
			CLOSED CIRCUIT TV		
			EMERGENCY VEHICLE SYSTEM DETECTOR		
			CONFIRMATION BEACON		
			UNINTERRUPTIBLE POWER SUPPLY		

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102.00
(YELLOW)	12		25	0.25	75.00
(GREEN)	12		15	0.25	45.00
ARROW	16		12	0.10	19.20
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN				0.95	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 541.20

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'±L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)		(6m±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)
36" (900mm)	15 (4.6)	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)

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ENERGY SUPPLY CONTACT: 708-410-5069
 PHONE: 708-410-5069
 COMPANY: COM. EDISON

FILE NAME = USER NAME = nguyenism
 DESIGNED - REVISED -
 DRAWN - REVISED -
 CHECKED - REVISED -
 DATE - REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN AND
 PHASE DESIGNATION DIAGRAM
 ROOSEVELT RD. AT 17TH AVE.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2009-094 TS	COOK	14	12
CONTRACT NO. 60151				