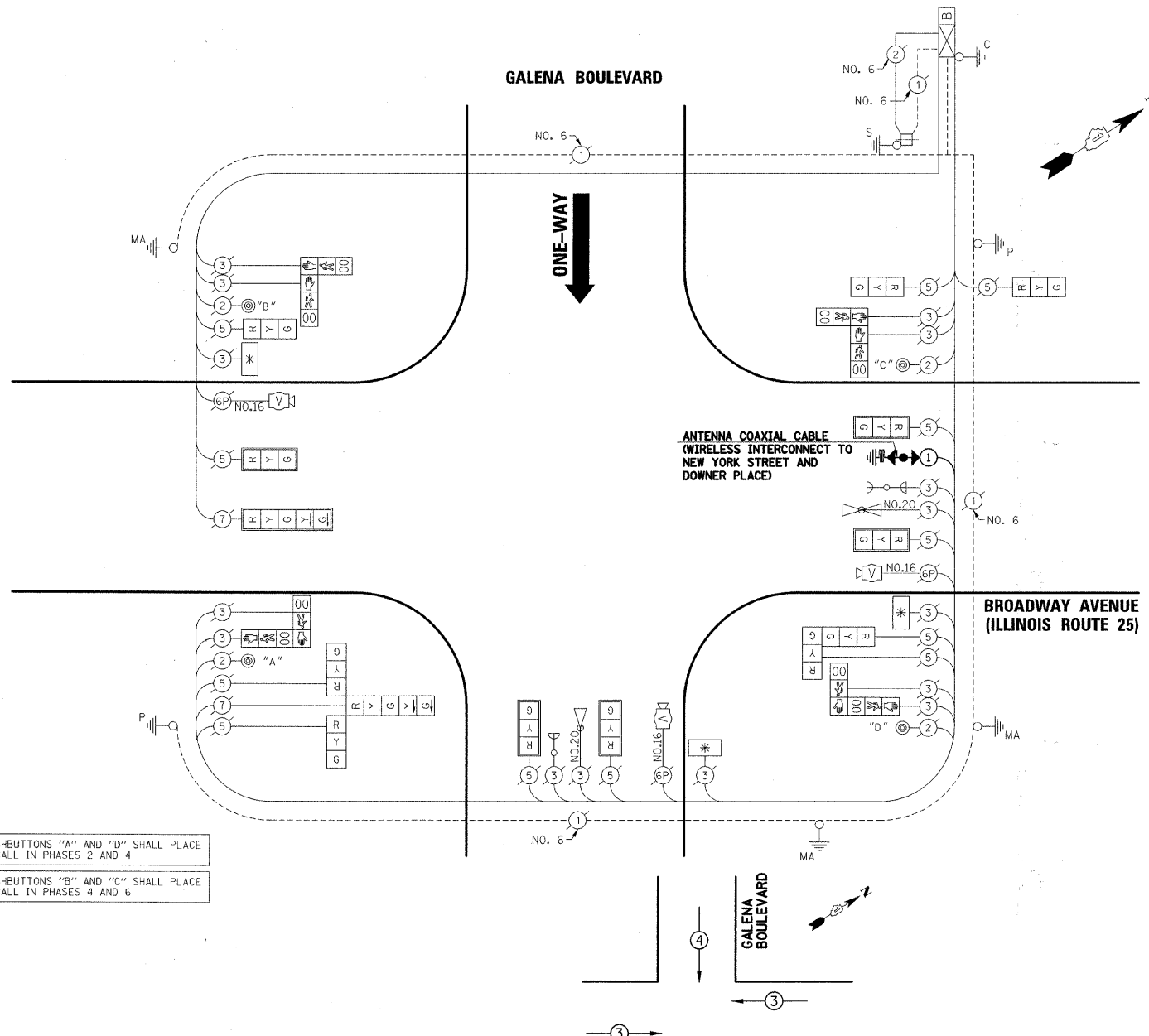


**CABLE PLAN LEGEND**

EXISTING	PROPOSED	
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		LUMINAIRE
		DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SMI2F
		SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
		RAILROAD CONTROL CABINET
		ILLUMINATED SIGN "NO LEFT TURN"
		ILLUMINATED SIGN "NO RIGHT TURN"
		WIRELESS ANTENNA
		GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
		GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		UNINTERRUPTIBLE POWER SUPPLY
		LED STREET NAME SIGN
		VIDEO DETECTION CAMERA
		PAN/TILT/ZOOM CAMERA

**SCHEDULE OF QUANTITIES**

PAY ITEM DESCRIPTION	UNIT	GALENA BOULEVARD
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE AND REINSTALL LIGHT POLE, SPECIAL	EACH	1
WIRELESS ETHERNET RADIO	EACH	1



PUSHBUTTONS "A" AND "D" SHALL PLACE A CALL IN PHASES 2 AND 4  
 PUSHBUTTONS "B" AND "C" SHALL PLACE A CALL IN PHASES 4 AND 6

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	14	17	0.50		119
(YELLOW)	14	25	0.25		87.5
(GREEN)	14	15	0.25		52.5
ARROW	4	12	0.10		4.8
PED. SIGNAL	8	25	1.00		200
CONTROLLER	1	100	1.00		100
UPS	1	25	1.00		25
LED SIGN	3	60	0.50		90
LUMINAIRE	3	250	0.50		375
VIDEO SYSTEM	1	15	1.00		15
TOTAL =					1068.8

ENERGY COSTS TO: CITY OF AURORA  
 44 E. DOWNER PLACE  
 AURORA, ILLINOIS 60507-2067

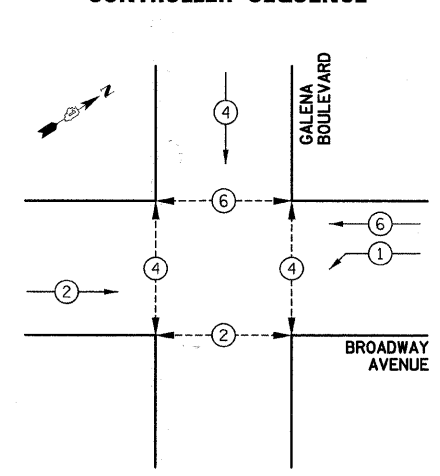
ENERGY SUPPLY CONTACT: MARK SCHERIBEL  
 PHONE: (630) 723-2128  
 COMPANY: COMMONWEALTH EDISON

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)
C - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
D - CONTROLLER	4 (1.2)	SIGNAL POST	2 (1.0)	(6m+L-0.6m)	
E - M.A. LENGTH		CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
<30'	30" (900mm)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
<40'	30" (750mm)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
<40'	36" (900mm)	GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
<50'	36" (900mm)			POST MOUNTED	6 (1.8)
≥50'	36" (900mm)				

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

PROPOSED EMERGENCY VEHICLE PREEMPTORS	
PROPOSED EMERGENCY VEHICLE PREEMPTORS	3 4
MOVEMENT	← →

**CONTROLLER SEQUENCE**



**CONTROLLER SEQUENCE LEGEND**

- ← (1) → DUAL ENTRY PHASE
- ← (1) → SINGLE ENTRY PHASE
- ← (1) → OL OVERLAP
- \* NUMBER REFERRING TO ASSOCIATED PHASE
- ← (1) → PEDESTRIAN PHASE

**PHASE DESIGNATION DIAGRAM**

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SERVED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_ FILE NAME: \_\_\_\_\_