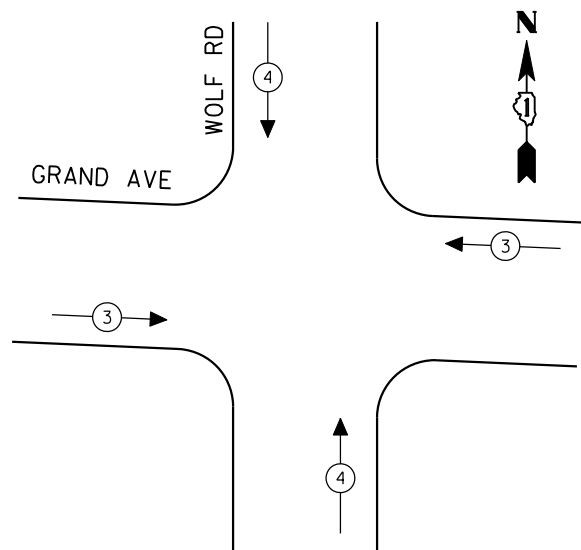


SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
100	SO FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
27	SO FT	SIGN PANEL - TYPE 1
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
1383	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
34	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
97	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
389	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
8	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1214	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1577	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1462	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1430	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2490	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
268	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
867	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 32 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 34 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 38 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 40 FT.
16	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
46	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
8	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
8	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
12	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
10	EACH	INDUCTIVE LOOP DETECTOR
782	FOOT	DETECTOR LOOP, TYPE I
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
2	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
14	EACH	REMOVE EXISTING HANDHOLE
8	EACH	REMOVE EXISTING CONCRETE FOUNDATION
307	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	FULL-ACTUATED CONTROLLER AND SUPER P CABINET, TYPE IV, SPECIAL
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

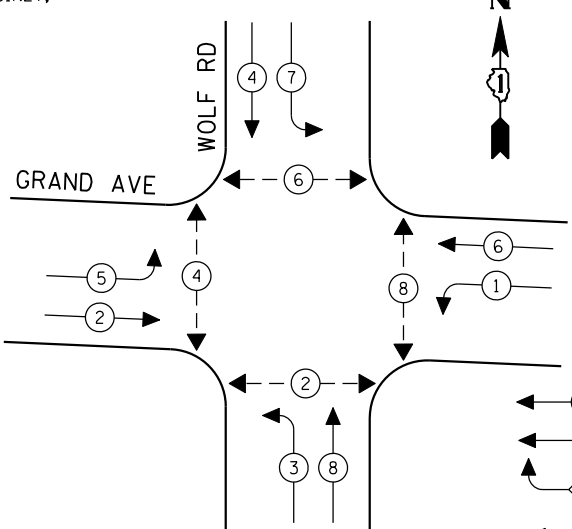
• 100% COST TO LEYDEN FIRE PROTECTION DISTRICT

EMERGENCY VEHICLE PREEMPTION SEQUENCE

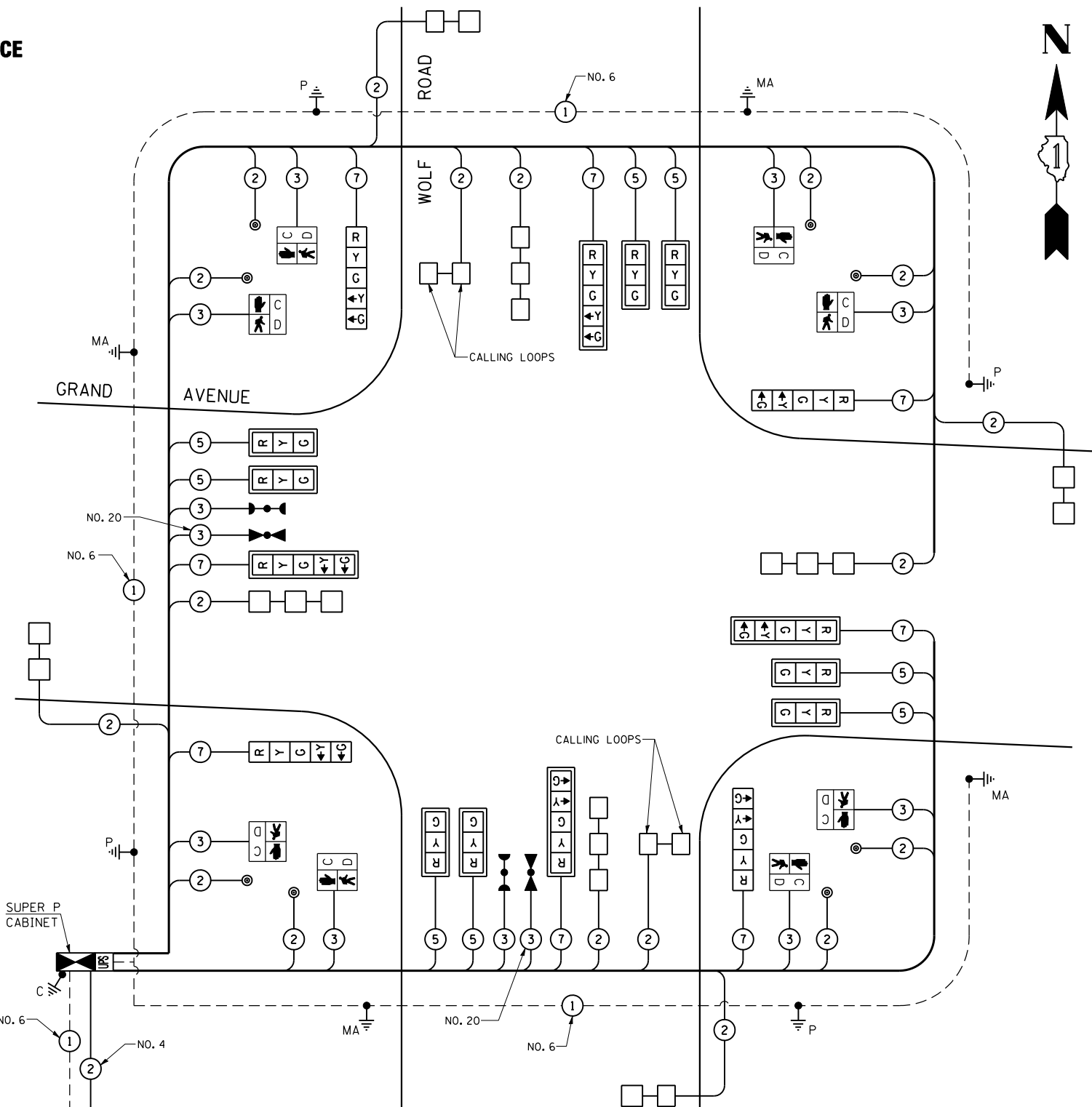
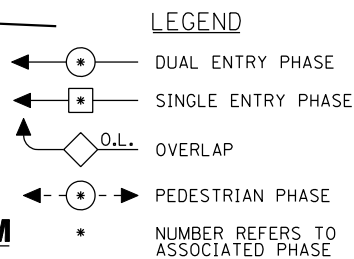


PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↑↓

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



CABLE PLAN (NOT TO SCALE)

THE CONTRACTOR SHALL RELOCATE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM EQUIPMENTS TO THE NEW TRAFFIC SIGNAL INSTALLATION AT GRAND AVENUE AND WOLF ROAD, THE COST WILL BE 100% LEYDEN FIRE PROTECTION DISTRICT RESPONSIBILITY.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		OPERATION	
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	16		12	0.10	19.2
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 615.2
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: JENNIFER BERTHOLD PHONE: (708) 410-5314 COMPANY: COMMONWEALTH EDISON					