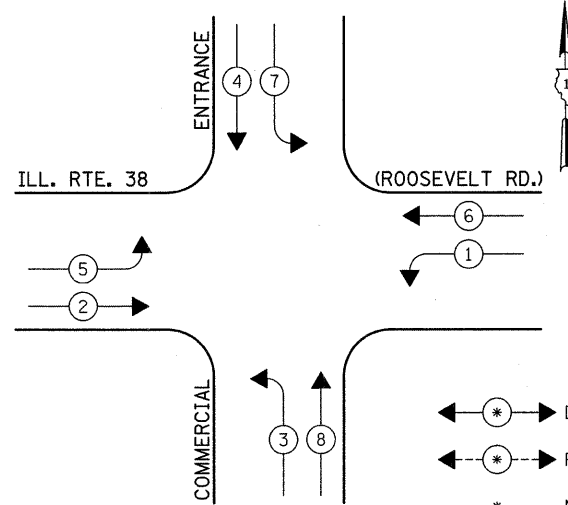


**CONTROLLER SEQUENCE**

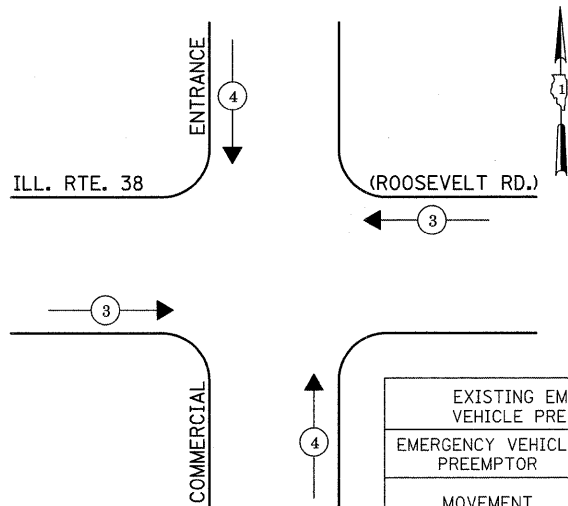


**LEGEND**

- ← \* → DUAL ENTRY PHASE
- ← \* → PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

**EXISTING PHASE DESIGNATION DIAGRAM**

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



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

**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM
0.16	L SUM	TRAFFIC CONTROL AND PROTECTION STANDARD 701601
0.16	L SUM	TRAFFIC CONTROL AND PROTECTION STANDARD 701701
0.16	L SUM	TRAFFIC CONTROL AND PROTECTION STANDARD 701801
*274	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
326	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	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	TRAFFIC SIGNAL BACKPLATE
*2	EACH	CONFIRMATION BEACON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

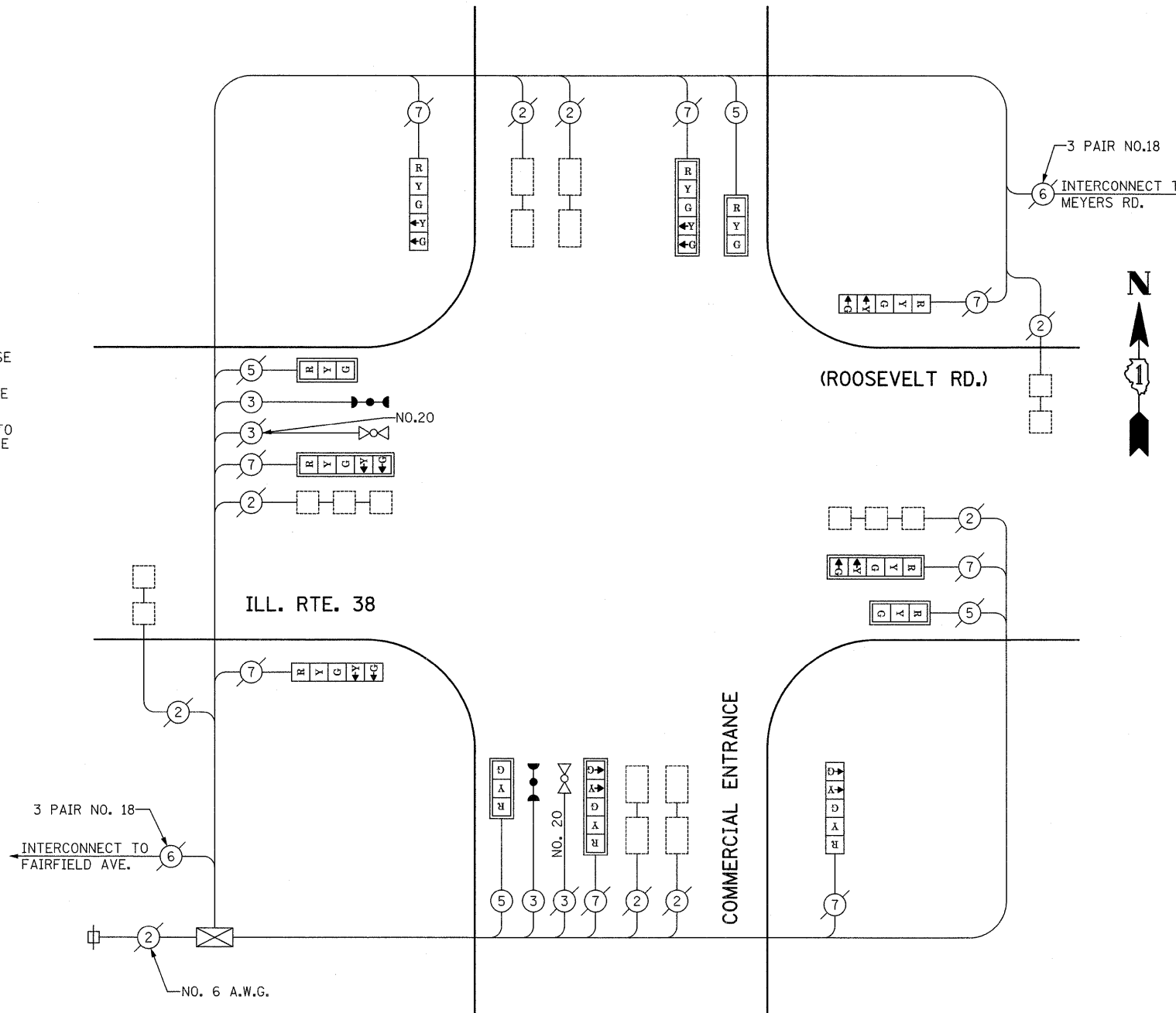
\*100% COST TO VILLAGE OF LOMBARD

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH TRAFFIC SIGNAL POST, 16 FT.
- 2 EACH SIGNAL HEAD 1-FACE, 3-SECTION, MAST ARM MOUNTED
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED

**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  |
|          |          | PUSH-BUTTON DETECTOR   |
|          |          | ① GROUND CABLE IN CONDUIT NO.6 SOLID COPPER (GREEN)          |
|          |          | ②④ FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F |
|          |          | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.   |
|          |          | RAILROAD CONTROL CABINET                                     |
|          |          | ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"                 |
|          |          | ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"                |
| H/C      |          | GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER       |
| P        |          | GROUND ROD AT POST OR MAST ARM POLE                          |
| S        |          | GROUND ROD AT ELECTRIC SERVICE INSTALLATION                  |
|          |          | LOCAL AND MASTER CONTROLLER                                  |
|          |          | MICROWAVE VEHICLE SENSOR                                     |
|          |          | UPS-BATTERY BACK-UP  |



**CABLE DIAGRAM**