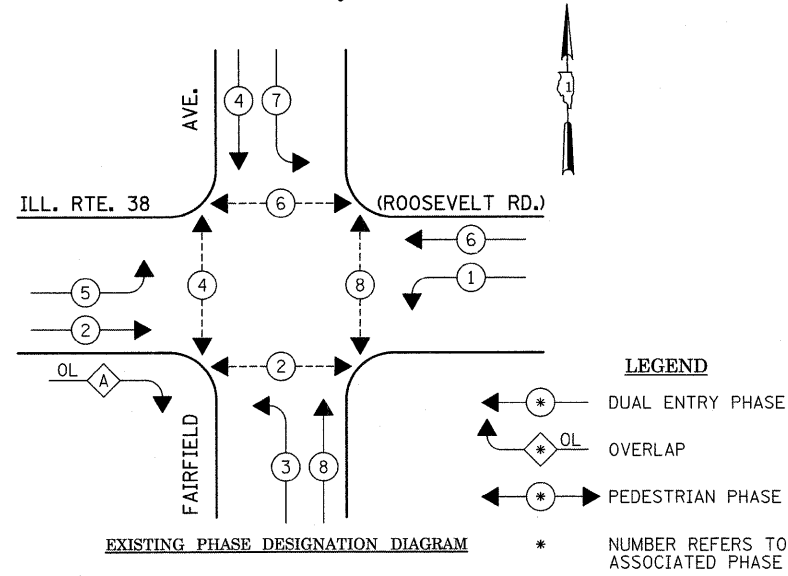


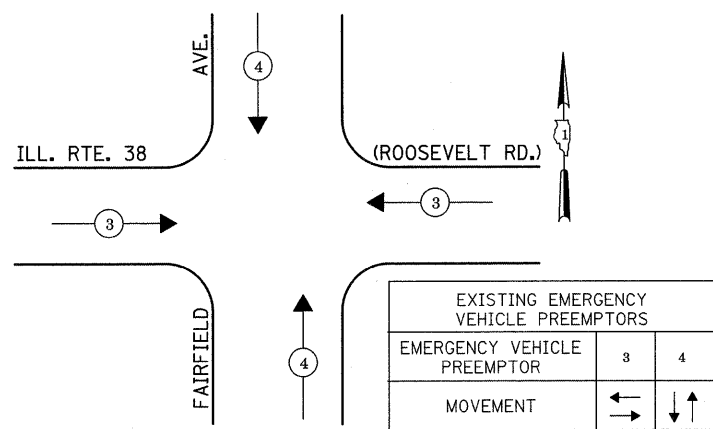
CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3

EMERGENCY VEHICLE PREEMPTION SEQUENCE



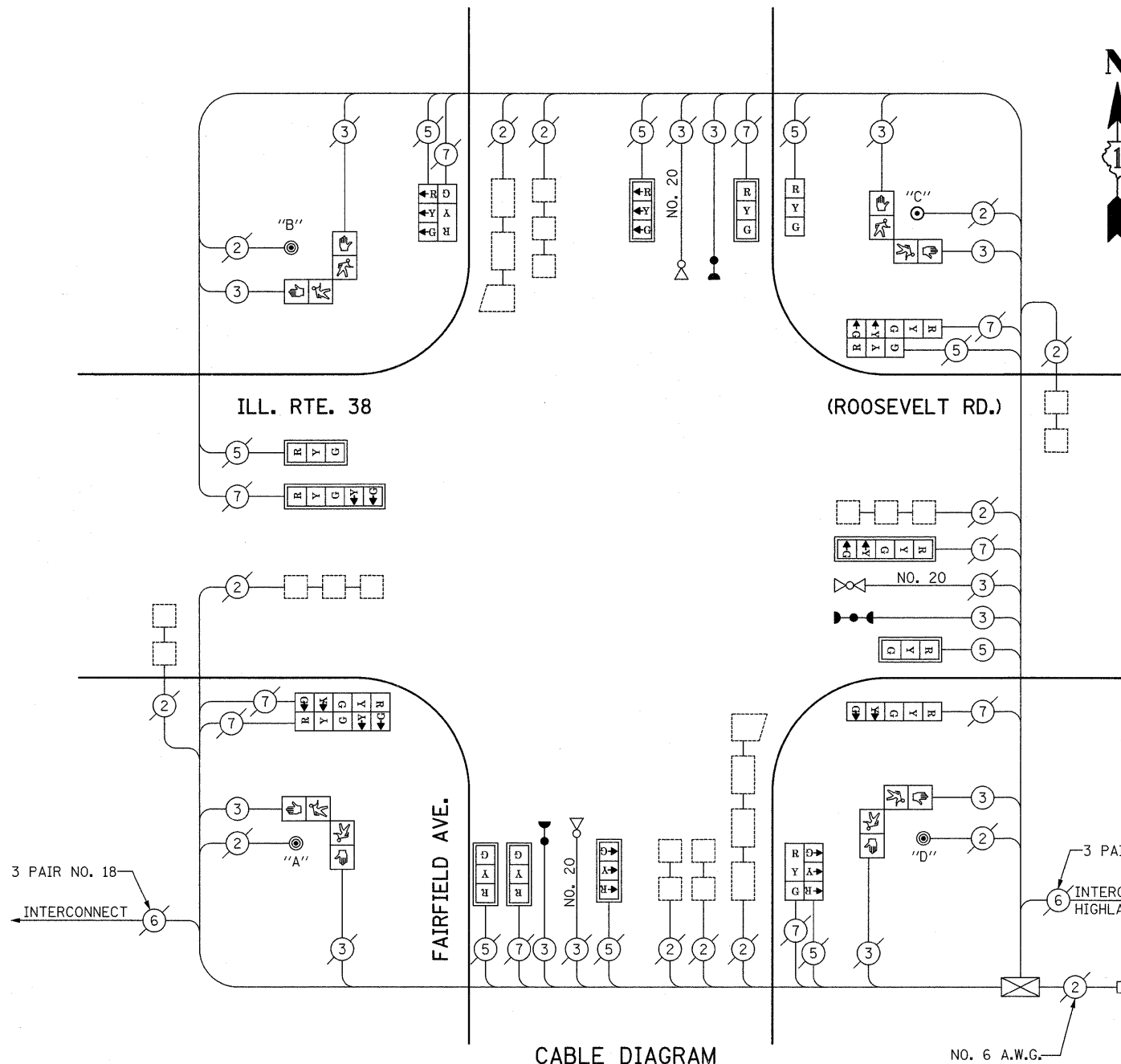
SCHEDULE OF QUANTITIES

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
•• 1168	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 3C
73	FOOT	ELECTRICAL CABLE IN CONDUIT, SIGNAL NO. 14 5C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED
9	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	PEDESTRIAN PUSH-BUTTON
• 3	EACH	CONFIRMATION BEACON
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

- * 100% COST TO VILLAGE OF LOMBARD
- 516 FEET OF THE COST TO VILLAGE OF LOMBARD

CABLE PLAN LEGEND

EXISTING	PROPOSED
G	G 8" (200mm) TRAFFIC SIGNAL SECTION
R	R 12" (300mm) TRAFFIC SIGNAL SECTION
W	W 12" (300mm) PEDESTRIAN SIGNAL SECTION
⊗	⊗ 12" (300mm) PEDESTRIAN SIGNAL SECTION
⊠	⊠ CONTROLLER CABINET
⊡	⊡ SERVICE INSTALLATION
T	T TELEPHONE INSTALLATION
□	□ VEHICLE DETECTOR, INDUCTION LOOP
▬	▬ MAGNETIC DETECTOR
⊕	⊕ EMERGENCY VEHICLE LIGHT DETECTOR
⊙	⊙ CONFIRMATION BEACON
⊗	⊗ PUSH-BUTTON DETECTOR
②	② DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
①	① GROUND CABLE IN CONDUIT NO.6 SOLID COPPER (GREEN)
②④	②④ FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F
RYG	RYG SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
RYG	RYG RAILROAD CONTROL CABINET
⊗	⊗ ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
⊗	⊗ ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
H/C	H/C GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
P	P GROUND ROD AT POST OR MAST ARM POLE
S	S GROUND ROD AT ELECTRIC SERVICE INSTALLATION
⊠	⊠ LOCAL AND MASTER CONTROLLER
⊡	⊡ MICROWAVE VEHICLE SENSOR
B	B UPS-BATTERY BACK-UP



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.
1	EACH	SIGNAL HEAD 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD 1-FACE, 3-SECTION, MAST ARM MOUNTED
3	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	PEDESTRIAN PUSH-BUTTON

PUSH-BUTTON NOTES

- PUSH-BUTTON "A" SHALL REPLACE A CALL IN PHASES 2 AND 4
- PUSH-BUTTON "B" SHALL REPLACE A CALL IN PHASES 4 AND 6
- PUSH-BUTTON "C" SHALL REPLACE A CALL IN PHASES 6 AND 8
- PUSH-BUTTON "D" SHALL REPLACE A CALL IN PHASES 2 AND 8