

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 SM12F |
| | | 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 |

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| I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | |
|---|-----------|---------|-----|-------------|---------------|
| TYPE | NO. LAMPS | WATTAGE | | % OPERATION | TOTAL WATTAGE |
| | | INCAND. | LED | | |
| SIGNAL (RED) | 9 | | 17 | 0.50 | 76.5 |
| (YELLOW) | 9 | | 25 | 0.25 | 56.3 |
| (GREEN) | 9 | | 15 | 0.25 | 33.8 |
| ARROW | | | 12 | 0.10 | |
| PED. SIGNAL | 8 | | 25 | 1.00 | 200.0 |
| CONTROLLER | 1 | | 100 | 1.00 | 100.0 |
| UPS | 1 | | 25 | 1.00 | 25.0 |
| LED SIGN | 2 | | 60 | 0.50 | 60.0 |
| VIDEO SYSTEM | 1 | | 15 | 1.00 | 15.0 |
| LUMINAIRE | 2 | | 250 | 0.50 | 125.0 |
| TOTAL = | | | | | 691.6 |

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

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

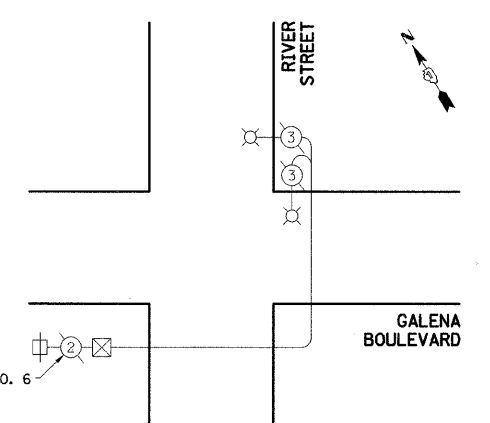
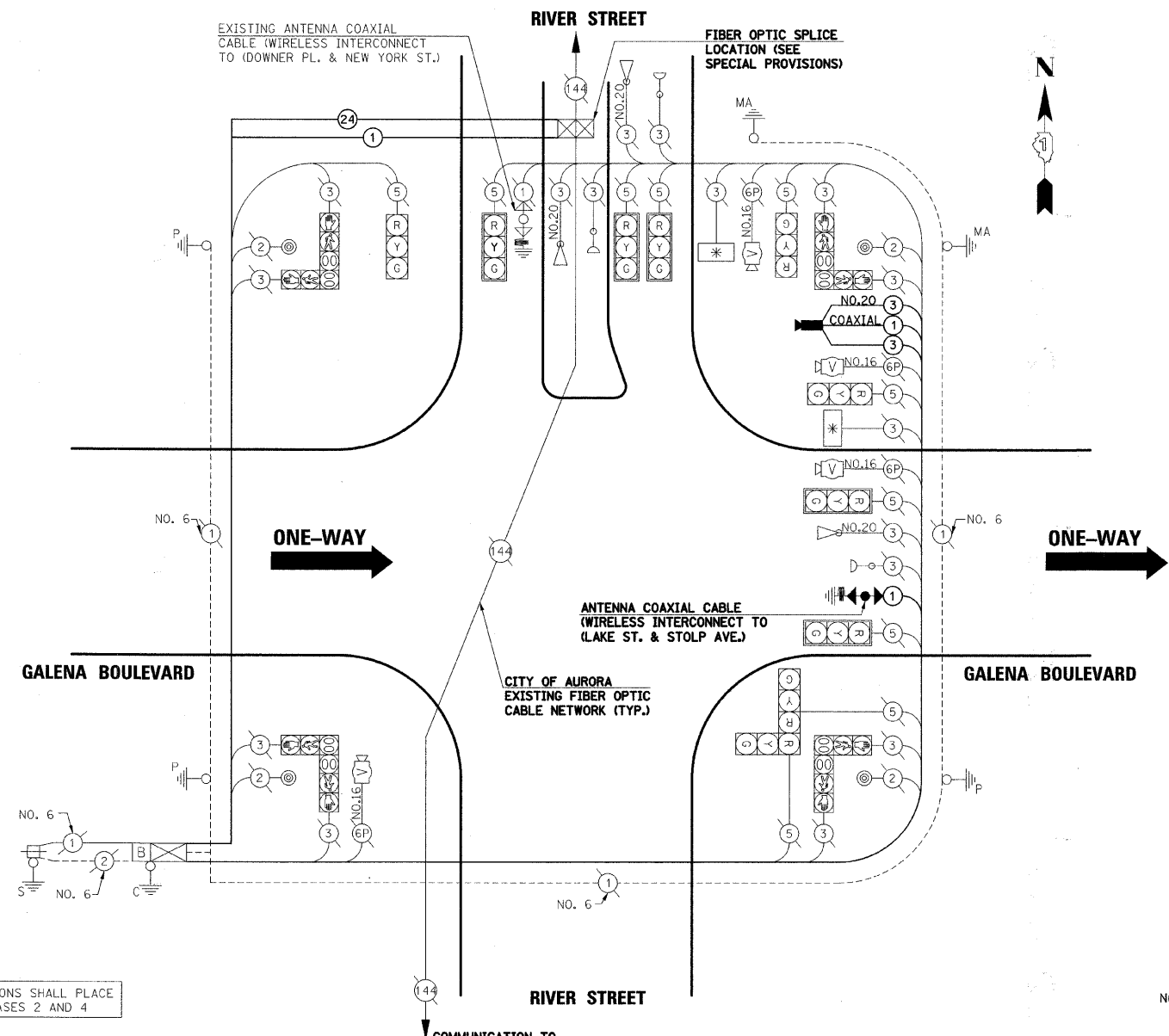
| FOUNDATION (DEPTH) | FT. (m) | CABLE SLACK | FT. (m) | VERTICAL | FT. (m) |
|--------------------|-------------|------------------|-----------|-------------------|------------|
| TYPE A - POST | 4 (1.2) | HANDHOLE | 6.5 (2.0) | ALL FOUNDATIONS | 3.5 (1.0) |
| C - CONTROLLER | 4 (1.2) | DOUBLE HANDHOLE | 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 | 5 |
| MOVEMENT | | | |

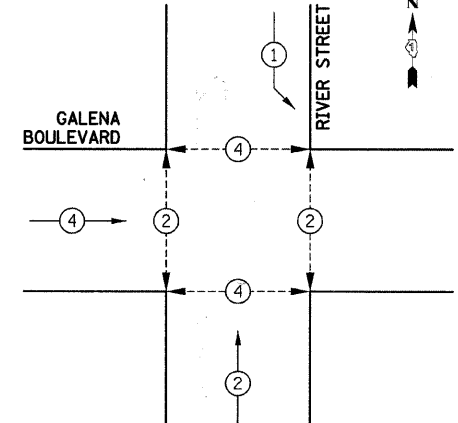
SCHEDULE OF QUANTITIES

| PAY ITEM DESCRIPTION | UNIT | RIVER STREET |
|--|------|--------------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 223 |
| REMOVE EXISTING LIGHT POLE | EACH | 2 |
| LIGHT POLE, SPECIAL | EACH | 2 |
| VIDEO BELDEN 8281 COAXIAL CABLE IN CONDUIT | FOOT | 228 |
| ELECTRIC CABLE IN CONDUIT, NO. 20 3/C TWISTED SHIELDED | FOOT | 218 |
| INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA | EACH | 1 |



LIGHTING CABLE PLAN

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

| CONTROLLER SEQUENCE LEGEND | |
|----------------------------|--------------------------------------|
| | DUAL ENTRY PHASE |
| | SINGLE ENTRY PHASE |
| | OVERLAP |
| * | NUMBER REFERRING TO ASSOCIATED PHASE |
| | PEDESTRIAN PHASE |