

- NOTES:**
1. NEW ELEMENTS SHOWN IN BOLD.
 - EXISTING ELEMENTS INCLUDED FOR REFERENCE ONLY (GREY SCALE)
 2. EXISTING SIGNAL EQUIPMENT SHOWN DOES NOT REFLECT EXISTING CONDITIONS. THROUGH A FIELD INSPECTION, VERIFIED THAT TRAFFIC SIGNAL GROUNDING AND SIGNAL HEADS HAVE BEEN BROUGHT UP TO CURRENT STANDARDS

SCHEDULE OF QUANTITIES - KIRK ROAD AND FABYAN PARKWAY

| PAY ITEM | UNIT | QUANTITY |
|---|------|----------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| MODIFY EXISTING CONTROLLER CABINET, SPECIAL | EACH | 1 |
| MALFUNCTION MANAGEMENT UNIT | EACH | 1 |
| RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, LEVEL 2 | EACH | 1 |
| OUTDOOR RATED NETWORK CABLE | FOOT | 86 |
| ETHERNET MANAGED SWITCH, TYPE 2 | EACH | 1 |
| CONFIRMATION BEACON | EACH | 4 |
| INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA | EACH | 1 |

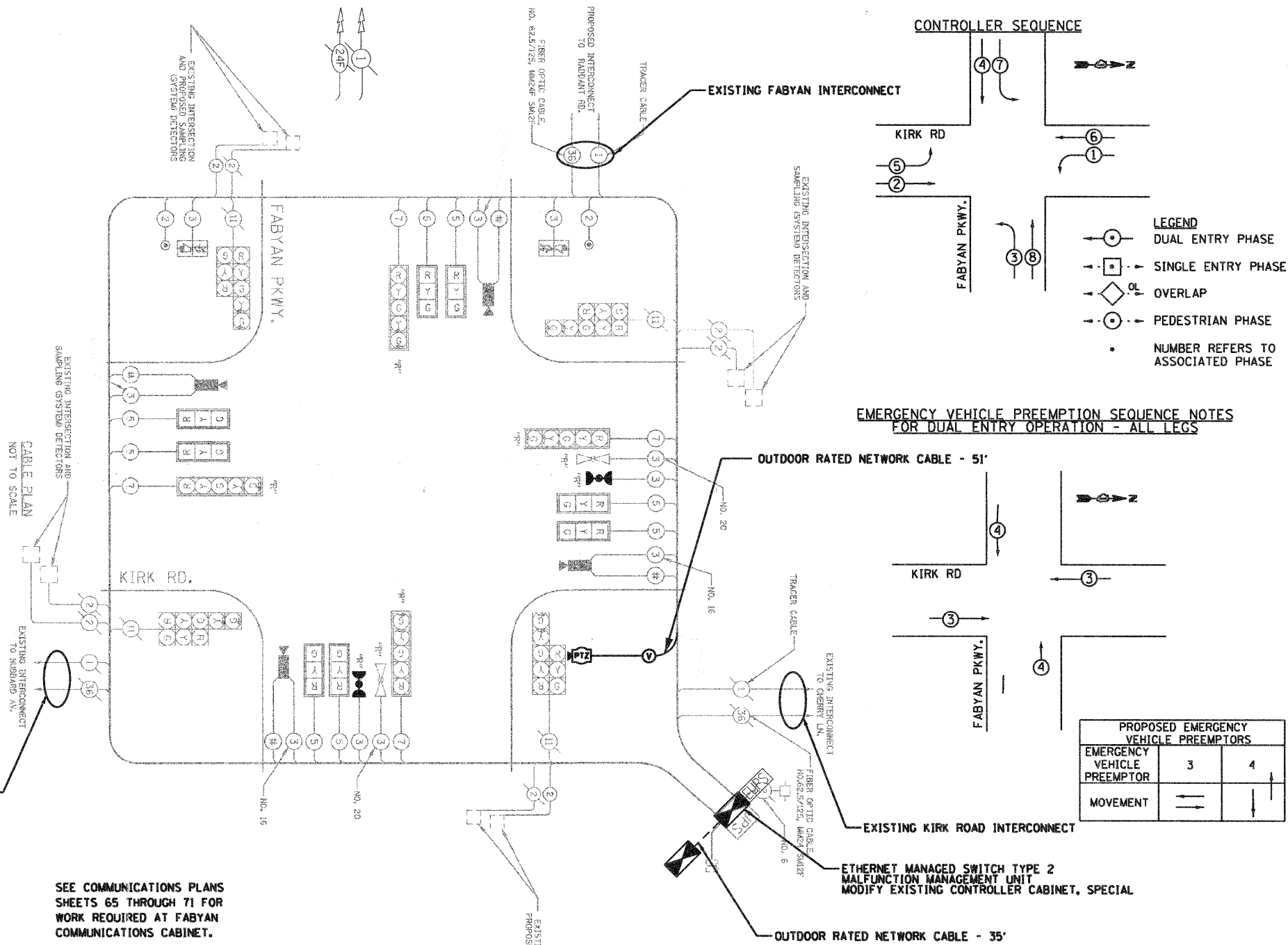
SCHEDULE OF QUANTITIES - FABYAN PARKWAY AND WESTERN AVENUE (NOT SHOWN)

| PAY ITEM | UNIT | QUANTITY |
|--|------|----------|
| ETHERNET MANAGED SWITCH, TYPE 2 | EACH | 1 |

SEE SHEET 64 FOR TRAFFIC SIGNAL LEGEND

EXISTING KIRK ROAD INTERCONNECT

SEE COMMUNICATIONS PLANS SHEETS 65 THROUGH 71 FOR WORK REQUIRED AT FABYAN COMMUNICATIONS CABINET.



EMERGENCY VEHICLE PREEMPTION SEQUENCE NOTES FOR DUAL ENTRY OPERATION - ALL LEGS

| PROPOSED EMERGENCY VEHICLE PREEMPTORS | |
|---------------------------------------|-----|
| EMERGENCY VEHICLE PREEMPTOR | 3 4 |
| MOVEMENT | ← → |

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| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL WATTAGE |
|--|-----------|-----------------|-----|-------------|---------------|
| TYPE | NO. LAMPS | WATTAGE INCAND. | LED | % OPERATION | |
| SIGNAL (RED) | 15 | 17 | | 0.50 | 136 |
| (YELLOW) | 15 | 25 | | 0.25 | 100 |
| (GREEN) | 15 | 15 | | 0.25 | 50 |
| ARROW SIGNAL | 15 | 25 | | 0.10 | 20 |
| PELV. SIGNAL | 2 | 12 | | 1.00 | 50 |
| CONTROLLER | 1 | 100 | | 1.00 | 100 |
| VIDEO SYSTEMS | 1 | 150 | | 1.00 | 150 |
| FLASHER | | | | 0.50 | |
| TOTAL = | | | | | 616 |

ENERGY COSTS TO: CITY OF GENEVA
 22 S. FIRST STREET
 GENEVA, IL 60134
 CONTACT: JENNIFER HILKEMANN
 PHONE: (630) 232-1503
 COMPANY: CITY OF GENEVA

| 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 (2.0) |
| D- CONTROLLER | 4 (1.2) | DOUBLE HANDHOLE | 13 (4.0) | MAST ARM (L) POLE | 20'4L-2"= |
| E- M. ARM POLE | | SIGNAL POST | 2 (1.0) | 3m+L-0.6m)= | |
| 24" (600mm) | 10 (3.0) | CONTROLLER CAB. | 1 (0.5) | BRACKET MOUNTED | 13 (4.0) |
| 30" (750mm) | 15 (4.5) | FIBER OPTIC | 13 (4.0) | PED. PUSHBUTTON | 4 (1.2) |
| 36" (900mm) | 15 (4.5) | ELECTRIC SERVICE | 1 (0.5) | ELECTRIC SERVICE | 13.5 (4.1) |
| | | GROUND CABLE | 1 (0.5) | SERVICE TO GROUND | 13.5 (4.1) |
| | | | | POST MOUNTED | 6 (1.8) |

JACOBS
 ONE NORTH FRANKLIN
 CHICAGO IL, 60606
 312-251-3000

| | | |
|-----------------------|----------------|-----------|
| USER NAME = | DESIGNED - CH | REVISED - |
| PLOT SCALE = | DRAWN - MO, DI | REVISED - |
| PLOT DATE = 11/7/2011 | CHECKED - KG | REVISED - |
| | DATE - #DATE | REVISED - |

**KANE COUNTY
 DIVISION OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND SCHEDULE OF QUANTITIES
 KIRK ROAD AND FABYAN PARKWAY**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------------|-----------|
| 360 | 10-00403-00-TL | KANE | 72 | 14 |
| FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT | | | CONTRACT NO. 63648 | |