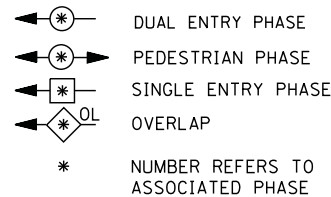


SCHEDULE OF QUANTITIES

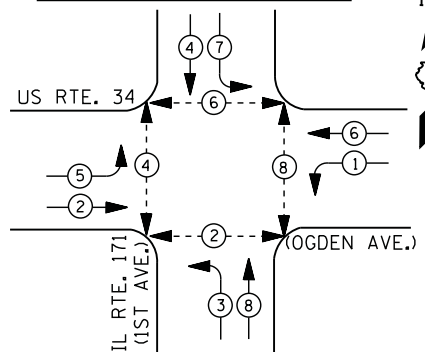
| QUANTITY | UNIT | ITEM |
|----------|-------|---|
| 1 | CU YD | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL |
| 25 | SO YD | PROTECTIVE COAT |
| 102 | SO FT | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH |
| 52 | SO FT | DETECTABLE WARNINGS |
| 66 | SO FT | SIDEWALK REMOVAL |
| 47.5 | SO FT | SIGN PANEL - TYPE 2 |
| 610 | FOOT | THERMOPLASTIC PAVEMENT MARKING - LINE 6" |
| 261 | FOOT | THERMOPLASTIC PAVEMENT MARKING - LINE 12" |
| 148 | FOOT | THERMOPLASTIC PAVEMENT MARKING - LINE 24" |
| 862 | SO FT | PAVEMENT MARKING REMOVAL |
| 1 | EACH | SERVICE INSTALLATION - POLE MOUNTED |
| 1296 | FOOT | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. |
| 88 | FOOT | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA. |
| 40 | FOOT | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. |
| 462 | FOOT | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. |
| 6 | EACH | HANDHOLE |
| 4 | EACH | HEAVY-DUTY HANDHOLE |
| 2 | EACH | DOUBLE HANDHOLE |
| 1 | EACH | TRANSCEIVER - FIBER OPTIC |
| 1392 | FOOT | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C |
| 1776 | FOOT | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C |
| 1548 | FOOT | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C |
| 1570 | FOOT | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C |
| 3647 | FOOT | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR |
| 70 | FOOT | ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C |
| 638 | 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, 30 FT. |
| 1 | EACH | STEEL MAST ARM ASSEMBLY AND POLE, 36 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 |
| 40.5 | FOOT | CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER |
| 13 | 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 |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 12 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 12 | EACH | INDUCTIVE LOOP DETECTOR |
| 680 | FOOT | DETECTOR LOOP, TYPE I |
| * 2 | EACH | LIGHT DETECTOR |
| * 1 | EACH | LIGHT DETECTOR AMPLIFIER |
| 8 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | TEMPORARY TRAFFIC SIGNAL INSTALLATION |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 12 | EACH | REMOVE EXISTING HANDHOLE |
| 1 | EACH | REMOVE EXISTING DOUBLE HANDHOLE |
| 10 | EACH | REMOVE EXISTING CONCRETE FOUNDATION |
| 1 | EACH | TEMPORARY TRAFFIC SIGNAL TIMING |
| * 328 | FOOT | EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C |
| 1 | EACH | FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| 1 | EACH | MASTER CONTROLLER (SPECIAL) |
| 41 | FOOT | COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT |

* 100% VILLAGE OF LYONS COST

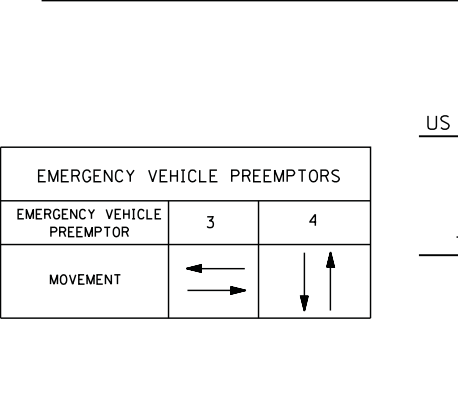
LEGEND



CONTROLLER SEQUENCE



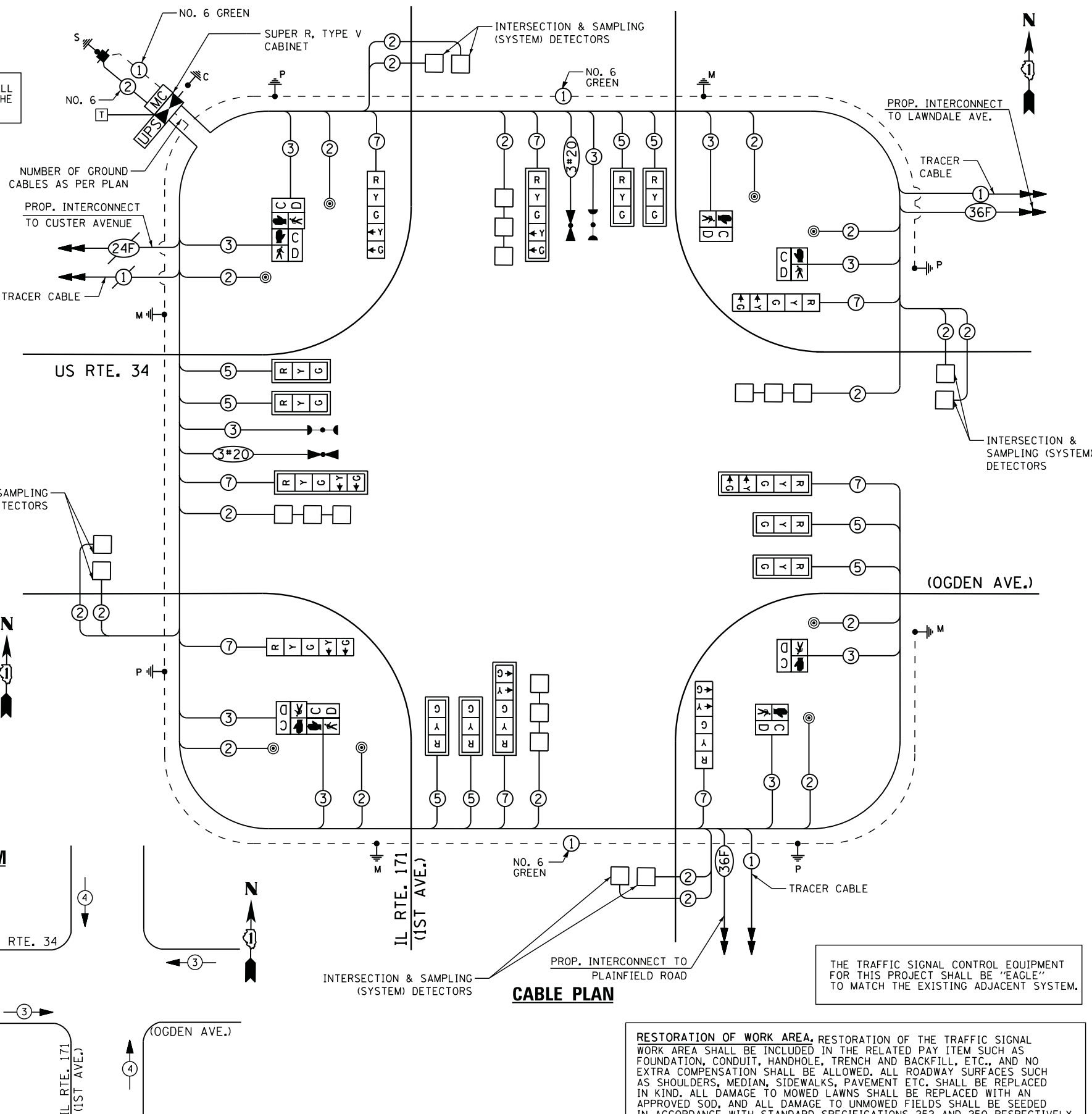
PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTORS

| | | |
|-----------------------------|-----|-----|
| EMERGENCY VEHICLE PREEMPTOR | 3 | 4 |
| MOVEMENT | ← → | ↑ ↓ |

EMERGENCY VEHICLE PREEMPTION SEQUENCE



I. D. O. T.
 TRAFFIC SIGNAL INSTALLATION
 ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. LAMPS | WATTAGE | | % OPERATIONS | TOTAL WATTAGE |
|--------------|-----------|---------|-----|--------------|---------------|
| | | INCAND. | LED | | |
| SIGNAL (RED) | 16 | 135 | 17 | 0.50 | 136 |
| (YELLOW) | 16 | 135 | 25 | 0.25 | 100 |
| (GREEN) | 16 | 135 | 15 | 0.25 | 60 |
| ARROW | 16 | 135 | 12 | 0.10 | 20 |
| PED. SIGNAL | 8 | 90 | 25 | 1.00 | 200 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 100 | 90 | 1.00 | |
| TOTAL = | | | | | 616 |

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1
 201 W. CENTER CT.
 SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT JOE STACHO
 PHONE 630-424-5704
 COMED

| | | | |
|---|------------------------|------------------|-----------|
| FILE NAME = | USER NAME = *USER* | DESIGNED - DW | REVISED - |
| N:\Projects\312055\DesignCAD\Sheet Files\60V34rwa34cabl71.dgn | | DRAWN - LV | REVISED - |
| | PLOT SCALE = *SCALE* | CHECKED - KM | REVISED - |
| | PLOT DATE = 10/11/2013 | DATE - 9/25/2012 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, SCHEDULE OF QUANTITIES,
 PHASE DESIGNATION DIAGRAM & EVP SEQUENCE
 US ROUTE 34 (OGDEN AVE.) AT IL ROUTE 171 (1ST AVE.)**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|-----------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 372 | 2012-0471 | COOK | 63 | 37 |
| CONTRACT NO. 60V34 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.