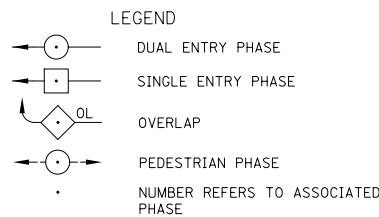
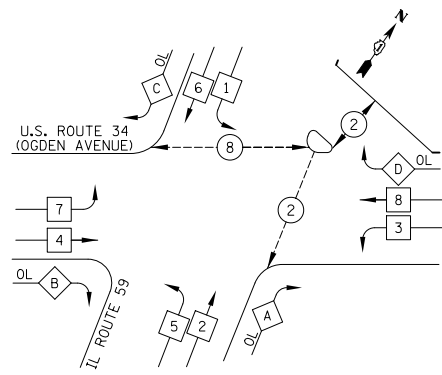


PROPOSED CONTROLLER SEQUENCE

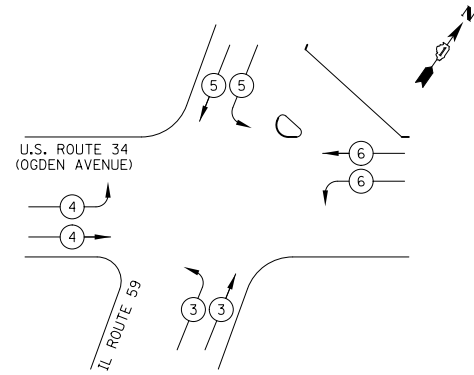


PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

| OVERLAP LETTER | PERMISSIVE PHASE | PROTECTED PHASE |
|----------------|------------------|-----------------|
| A              | = 2 + 3          |                 |
| B              | = 4 + 5          |                 |
| C              | = 6 + 7          |                 |
| D              | = 8 + 1          |                 |

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS

| EMERGENCY VEHICLE PREEMPTOR | 3 | 4 | 5 | 6 |
|-----------------------------|---|---|---|---|
| MOVEMENT                    |   |   |   |   |

SCHEDULE OF QUANTITIES

| PAY ITEM  | UNIT   | QNTY. |
|---|--------|-------|
| SUBBASE GRANULAR MATERIAL, TYPE B 4"                                      | SQ YD  | 98    |
| PROTECTIVE COAT   | SQ YD  | 157   |
| PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH                                 | SQ FT  | 430   |
| DETECTABLE WARNINGS   | SQ FT  | 73    |
| COMBINATION CURB AND GUTTER REMOVAL                                       | FOOT   | 172   |
| SIDEWALK REMOVAL  | SQ FT  | 225   |
| MEDIAN REMOVAL  | SQ FT  | 705   |
| COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24                         | FOOT   | 31    |
| COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06                         | FOOT   | 46    |
| COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24                         | FOOT   | 94    |
| CONCRETE MEDIAN SURFACE, 4 INCH   | SQ FT  | 452   |
| ENGINEER'S FIELD OFFICE, TYPE A   | CAL MO | 2     |
| MOBILIZATION  | L SUM  | 0.333 |
| TRAFFIC CONTROL AND PROTECTION, STANDARD 701601                           | L SUM  | 0.333 |
| TRAFFIC CONTROL AND PROTECTION, STANDARD 701701                           | L SUM  | 0.333 |
| TRAFFIC CONTROL AND PROTECTION, STANDARD 701801                           | L SUM  | 0.333 |
| CHANGEABLE MESSAGE SIGN   | CAL MO | 0.667 |
| SIGN PANEL - TYPE 1   | SQ FT  | 74    |
| SIGN PANEL - TYPE 2   | SQ FT  | 25    |
| POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS AND SYMBOLS                    | SQ FT  | 292   |
| POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"                                | FOOT   | 545   |
| PAVEMENT MARKING REMOVAL  | SQ FT  | 565   |
| SERVICE INSTALLATION - POLE MOUNTED                                       | EACH   | 1     |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.                            | FOOT   | 2127  |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.                        | FOOT   | 57    |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.                            | FOOT   | 197   |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.                            | FOOT   | 1149  |
| HANDHOLE  | EACH   | 8     |
| HEAVY-DUTY HANDHOLE   | EACH   | 4     |
| DOUBLE HANDHOLE   | EACH   | 4     |
| TRANSCEIVER - FIBER OPTIC   | EACH   | 1     |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C                               | FOOT   | 1373  |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                               | FOOT   | 2591  |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                               | FOOT   | 4404  |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                               | FOOT   | 2557  |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR                         | FOOT   | 10047 |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C                             | FOOT   | 582   |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C        | FOOT   | 2233  |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.                              | EACH   | 2     |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.                              | EACH   | 3     |
| STEEL MAST ARM ASSEMBLY AND POLE 22 FT.                                   | EACH   | 1     |
| STEEL MAST ARM ASSEMBLY AND POLE 58 FT.                                   | EACH   | 1     |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 20 FT.                       | EACH   | 1     |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.                       | EACH   | 1     |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.                       | EACH   | 1     |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.                       | EACH   | 1     |
| CONCRETE FOUNDATION, TYPE A   | FOOT   | 20    |
| CONCRETE FOUNDATION, TYPE C   | FOOT   | 4     |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER                              | FOOT   | 10    |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER                              | FOOT   | 52    |
| CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER                              | FOOT   | 21    |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED                     | EACH   | 14    |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED                      | EACH   | 2     |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED                     | EACH   | 6     |
| SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED       | EACH   | 2     |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH   | 4     |
| PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH   | 1     |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM                              | EACH   | 20    |
| INDUCTIVE LOOP DETECTOR   | EACH   | 26    |
| DETECTOR LOOP, TYPE I   | FOOT   | 1360  |
| * LIGHT DETECTOR  | EACH   | 4     |
| * LIGHT DETECTOR AMPLIFIER  | EACH   | 1     |
| PEDESTRIAN PUSH-BUTTON  | EACH   | 6     |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION                                     | EACH   | 1     |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                                  | EACH   | 1     |
| REMOVE EXISTING HANDHOLE  | EACH   | 13    |
| REMOVE EXISTING DOUBLE HANDHOLE   | EACH   | 4     |
| REMOVE EXISTING CONCRETE FOUNDATION                                       | EACH   | 9     |
| * EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C         | FOOT   | 1182  |
| ** FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL                   | EACH   | 1     |
| MASTER CONTROLLER (SPECIAL)   | EACH   | 1     |
| UNINTERRUPTABLE POWER SUPPLY SPECIAL                                      | EACH   | 1     |
| TEMPORARY INFORMATION SIGNING   | SQ FT  | 103   |
| TEMPORARY TRAFFIC SIGNAL TIMING   | EACH   | 1     |

\* 100% COST TO THE CITY OF NAPERVILLE  
 \*\* SUPER R CABINET

TS #6090



|                             |                   |                      |
|-----------------------------|-------------------|----------------------|
| USER NAME = jrt             | DESIGNED - BRD    | REVISED - 03/07/2014 |
| PLOT SCALE = 40.0000' / in. | DRAWN - MFB       | REVISED -            |
| PLOT DATE = 3/7/2014        | CHECKED - JJE     | REVISED -            |
|                             | DATE - 01/24/2014 | REVISED -            |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SEQUENCE OF OPERATIONS, EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 AND SCHEDULE OF QUANTITIES  
 US ROUTE 34 (OGDEN AVENUE) AT IL ROUTE 59

NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
| 311                       | 2013-062TS | DUPAGE | 49           | 27        |
| CONTRACT NO. 60X34        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |