

|                     |             |                  |              |           |
|---------------------|-------------|------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION     | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 346                 | 2005-058-TS | LAKE             | 23           | 2         |
| STA.                | TO STA.     |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS    | FED. AID PROJECT |              |           |

CONTRACT # 60A47

| PERCENTAGES  |        | LOCATION OF WORK |         | U.S. RTE. 41 & AMHURST PKWY.    | U.S. RTE. 41 & 22ND STREET (M.L. KING JR. DRIVE) | U.S. RTE. 41 & IL. RTE 137 | U.S. RTE. 41 FROM IL. RTE. 137 TO AMHURST PKWY. INTERCONNECT |  |
|--|--------|------------------|---------|---------------------------------|--|----------------------------|--|--|
| SUMMARY OF TRAFFIC SIGNAL QUANTITIES   |        |                  |         | URBAN<br>801. F&D<br>201. STATE | CONSTRUCTION CODE                                |                            |  |  |
| ITEM   | UNIT   | TOTAL            | Y031 1F | Y031 1F                         | Y031 1F  | Y031 1F                    | Y031 1F  |  |
| 67100100 MOBILIZATION  | L SUM  | 1                | 0.30    | 0.30                            | 0.10   | 0.30                       |  |  |
| 70102620 TRAFFIC CONTROL AND PROTECTION, STANDARD 701501                     | L SUM  | 1                | 0.25    | 0.25                            | 0.25   | 0.25                       |  |  |
| 70102635 TRAFFIC CONTROL AND PROTECTION, STANDARD 701701                     | L SUM  | 1                | 0.25    | 0.25                            | 0.25   | 0.25                       |  |  |
| 70102640 TRAFFIC CONTROL AND PROTECTION, STANDARD 701801                     | L SUM  | 1                | 0.25    | 0.25                            | 0.25   | 0.25                       |  |  |
| 81000600 CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL                        | FOOT   | 6225             |         |                                 |  |                            | 6225   |  |
| 81018500 CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL                           | FOOT   | 235              |         |                                 |  |                            | 235  |  |
| 81400200 HEAVY DUTY HANDHOLE   | EACH   | 12               |         |                                 |  |                            | 12   |  |
| 81900200 TRENCH AND BACKFILL FOR ELECTRICAL WORK                             | FOOT   | 6225             |         |                                 |  |                            | 6225   |  |
| 85000200 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION                 | EACH   | 3                | 1       | 1                               | 1  |                            |  |  |
| 85700205 FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)              | EACH   | 1                | 1       |                                 |  |                            |  |  |
| X0325706 RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)    | EACH   | 2                |         | 1                               | 1  |                            |  |  |
| 86400100 TRANSCEIVER - FIBER OPTIC   | EACH   | 3                | 1       | 1                               | 1  |                            |  |  |
| 87301225 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3 C                        | FOOT   | 1567             | 580     | 987                             |  |                            |  |  |
| 87301805 ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C                       | FOOT   | 198              | 198     |                                 |  |                            |  |  |
| 87301305 ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR                   | FOOT   | 856              |         | 856                             |  |                            |  |  |
| X8730027 ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1 C                     | FOOT   | 198              | 198     |                                 |  |                            |  |  |
| X0322925 ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1 C                        | FOOT   | 8027.5           |         |                                 |  |                            | 8027.5   |  |
| X8710020 FIBER OPTIC CABLE IN CONDUIT, NO. 62.5125 MM12F & SM12F             | FOOT   | 8079.5           |         |                                 |  |                            | 8079.5   |  |
| * X8730250 ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED, SHIELDED            | FOOT   | 987              |         | 987                             |  |                            |  |  |
| 87900200 DRILL EXISTING HANDHOLE   | EACH   | 6                |         |                                 |  |                            | 6  |  |
| 88200210 TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM                        | EACH   | 18               | 5       | 13                              |  |                            |  |  |
| 88500100 INDUCTIVE LOOP DETECTOR   | EACH   | 45               | 7       | 15                              | 23   |                            |  |  |
| * 88700200 LIGHT DETECTOR  | EACH   | 4                |         | 4                               |  |                            |  |  |
| * 88700300 LIGHT DETECTOR AMPLIFIER  | EACH   | 1                |         | 1                               |  |                            |  |  |
| * X0301023 CONFIRMATION BEACON   | EACH   | 3                | 3       |                                 |  |                            |  |  |
| 89502300 REMOVE ELECTRIC CABLE FROM CONDUIT                                  | FOOT   | 183              | 183     |                                 |  |                            |  |  |
| 89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                            | EACH   | 3                | 1       | 1                               | 1  |                            |  |  |
| 88030020 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED               | EACH   | 15               | 4       | 11                              |  |                            |  |  |
| 88030050 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED                | EACH   | 9                | 4       | 5                               |  |                            |  |  |
| 88030100 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED                | EACH   | 1                | 1       |                                 |  |                            |  |  |
| 88030110 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED               | EACH   | 3                | 1       | 2                               |  |                            |  |  |
| 88030210 SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED                | EACH   | 1                |         | 1                               |  |                            |  |  |
| 88030240 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED | EACH   | 2                |         | 2                               |  |                            |  |  |
| 88030310 SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED                | EACH   | 1                | 1       |                                 |  |                            |  |  |
| X8050015 SERVICE INSTALLATION, POLE MOUNTED                                  | EACH   | 1                | 1       |                                 |  |                            |  |  |
| 89100400 ILLUMINATED SIGN, LED   | EACH   | 2                |         | 2                               |  |                            |  |  |
| X0325705 RE OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2                           | EACH   | 3                |         |                                 |  |                            | 3  |  |
| XX006661 UNINTERRUPTABLE POWER SUPPLY  | EACH   | 3                | 1       | 1                               | 1  |                            |  |  |
| 67000400 ENGINEER'S FIELD OFFICE, TYPE A                                     | CAL MO | 3                | 1       | 1                               | 1  |                            |  |  |

\* COST TO BE PAID BY CITY OF NORTH CHICAGO  
Y031-30 (1001.0174)

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, 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.

**MORRIS ENGINEERING, INC.**  
5100 S. LINCOLN SUITE 100 LISLE, ILLINOIS 60532  
PHONE: (630)271-0770 EMAIL: ECIVIL.COM

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**  
U.S. RTE. 41  
AMHURST PARKWAY TO  
U.S. RTE. 137  
SCALE: NTS  
DATE: 1/31/07  
DRAWN BY: PRT  
DESIGNED BY: RKF  
CHECKED BY: JVV