

|                     |         |          |                  |           |
|---------------------|---------|----------|------------------|-----------|
| FBI RTE.            | SECTION | COUNTY   | TOTAL SHEETS     | SHEET NO. |
| 90                  | 1314B   | COOK     | 160              | 42        |
| FED. ROAD DIST. NO. |         | ILLINOIS | FED. AID PROJECT |           |

60293

TRAFFIC SIGNAL WORK - BILL OF MATERIALS

| DESCRIPTION   | UNIT  | GREGORY AVENUE | BRYN MAWR AVE. | TOTAL |
|---|-------|----------------|----------------|-------|
| ELECTRICAL MANHOLE, 1.2 m x 1.8 m x 1.8 m   | EACH  | -              | 1              | 1     |
| ELECTRICAL MANHOLE, 1 m x 1.2 m x 1.2 m   | EACH  | 4              | 3              | 7     |
| PVC CONDUIT IN TRENCH, 50 mm (SCHEDULE #80)   | METER | 44             | 7              | 51    |
| PVC CONDUIT IN TRENCH, 75 mm (SCHEDULE #80)   | METER | 12             | 22             | 34    |
| PVC CONDUIT IN TRENCH, 100 mm (SCHEDULE #80)  | METER | 15             | 22             | 37    |
| GALVANIZED STEEL CONDUIT PUSHED 75 mm   | METER | 200            | 234            | 434   |
| GALVANIZED STEEL CONDUIT, ATTACHED TO STRUCTURE 100 mm  | METER | -              | 404            | 404   |
| CONCRETE FOUNDATION FOR TYPE "M" BASE MOUNTED TRAFFIC SIGNAL CONTROLLER   | EACH  | 1              | 1              | 2     |
| CONCRETE FOUNDATION, 500 mm DIAMETER  | METER | 1.5            | 1.5            | 3     |
| CONCRETE FOUNDATION, 600 mm DIAMETER  | METER | 5.6            | 8.4            | 14    |
| CONCRETE FOUNDATION, 750 mm DIAMETER, SPECIAL PARKWAY   | METER | 6.7            | 3.4            | 10.1  |
| POLE, STEEL ANCHOR BASE 250 mm DIAMETER, 3 GAUGE, 10.5 m  | EACH  | 2              | 2              | 4     |
| POLE, STEEL ANCHOR BASE 318 mm DIAMETER, 3 GAUGE, 10.5 m  | EACH  | 2              | 1              | 3     |
| POLE, STEEL ANCHOR BASE 250 mm DIAMETER, 7 GAUGE, 10.5 m  | EACH  | -              | 1              | 1     |
| SIGNAL HEAD, POLYCARBONATE L.E.D., 1-FACE 3-SECTION, BRACKET MOUNTED  | EACH  | 4              | 2              | 6     |
| SIGNAL HEAD, POLYCARBONATE L.E.D., 1-FACE 3-SECTION, MAST ARM MOUNTED   | EACH  | 4              | 5              | 9     |
| SIGNAL HEAD, POLYCARBONATE L.E.D., 1-FACE 4-SECTION, BRACKET MOUNTED  | EACH  | 2              | 1              | 3     |
| SIGNAL HEAD, POLYCARBONATE L.E.D., 1-FACE 4-SECTION, MAST ARM MOUNTED   | EACH  | 2              | 1              | 3     |
| PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 1-FACE 2-SECTION, BRACKET MOUNTED (SYMBOLIC)   | EACH  | 2              | 4              | 6     |
| PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, 2-FACE 2-SECTION, BRACKET MOUNTED (SYMBOLIC)   | EACH  | 2              | 1              | 3     |
| JUNCTION BOX, POLE OR POST MOUNTED  | EACH  | 5              | 5              | 10    |
| FIBER OPTIC SIGN, BRACKET MOUNTED   | EACH  | 3              | -              | 3     |
| FIBER OPTIC SIGN, MAST ARM MOUNTED  | EACH  | 2              | -              | 2     |
| SIGN MESSAGE, ELECTRICALLY ILLUMINATED, BRACKET MOUNTED   | EACH  | 1              | -              | 1     |
| MAST ARM STEEL MONOTUBE, 6.1 m  | EACH  | 2              | 1              | 3     |
| MAST ARM STEEL MONOTUBE, 7.9 m  | EACH  | -              | 1              | 1     |
| MAST ARM STEEL MONOTUBE, 10.7 m   | EACH  | 1              | 1              | 2     |
| MAST ARM STEEL MONOTUBE, 12.2 m   | EACH  | 1              | -              | 1     |
| TRAFFIC SIGNAL POST, ALLUMINUM, 4.6m  | EACH  | 1              | 1              | 2     |
| ELECTRIC CABLE IN CONDUIT, 2/C #4   | METER | 145            | 40             | 185   |
| ELECTRIC CABLE IN CONDUIT, #12 7/C  | METER | 116            | -              | 116   |
| ELECTRIC CABLE IN CONDUIT, #12 19/C   | METER | 318            | 207            | 525   |
| ELECTRIC CABLE IN CONDUIT, #14 2/C, TWISTED, SHIELDED   | METER | 600            | -              | 600   |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION   | EACH  | 1              | 1              | 2     |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT  | EACH  | 1              | 1              | 2     |
| SOLID STATE FULL-ACTUATED CONTROLLER, 4-PHASE DIGITAL TIMING WITH SOLID STATE TIME BASE COORDINATOR IN BASE MOUNTED CABINET | EACH  | 1              | 1              | 2     |
| TRENCH AND BACKFILL WITH SCREENINGS AND/OR SAND   | METER | 71             | 51             | 122   |
| STREET NAME SIGNS   | EACH  | 4              | 3              | 7     |
| REMOVE EXISTING TRAFFIC SIGNAL FOUNDATION   | EACH  | 5              | 5              | 10    |
| BREAKDOWN EXISTING HANDHOLE/MANHOLE   | EACH  | 3              | 4              | 7     |
| DETECTOR LOOP   | METER | 101            | -              | 101   |
| INDUCTION LOOP DETECTOR AMPLIFIER   | EACH  | 1              | -              | 1     |

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| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION  |
|-----------|------|--|
| NAME      | DATE |  |
|           |      | NAGLE AVENUE OVER FAI-90<br>(KENNEDY EXPY)<br>CITY OF CHICAGO<br>SUMMARY OF QUANTITIES |
|           |      |  |
|           |      |  |
|           |      |  |
|           |      |  |



707A Davis Road, Suite 205  
Egln, Illinois 60123-1569

SCALE: NONE DRAWN BY: RV  
DATE: DEC 2004 CHECKED BY: DS