



TRAFFIC SIGNAL SUMMARY OF QUANTITIES

| ITEM NO | PI NO | DESCRIPTION | UNIT | QTY | SP EC |
|---------|----------|---|-------|------|-------|
| 1 | 8050020 | SERVICE INSTALLATION - POLE MOUNTED | EACH | 1 | |
| 2 | 81028200 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 1287 | |
| 3 | 81028210 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA. | FOOT | 51 | |
| 4 | 81028220 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 113 | |
| 5 | 81028240 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 578 | |
| 6 | 81400100 | HANDHOLE | EACH | 6 | |
| 7 | 81400200 | HEAVY-DUTY HANDHOLE | EACH | 4 | |
| 8 | 81400300 | DOUBLE HANDHOLE | EACH | 2 | |
| 9 | 81702110 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 10 | FOOT | 1029 | |
| 10 | 82103250 | LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT | EACH | 2 | |
| 11 | 86200200 | UNINTERRUPTIBLE POWER SUPPLY, STANDARD | EACH | 1 | |
| 12 | 87301215 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 899 | |
| 13 | 87301225 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 381 | |
| 14 | 87301245 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 2665 | |
| 15 | 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 1777 | |
| 16 | 87301305 | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 2333 | |
| 17 | 87301605 | ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2 C | FOOT | 53 | |
| 18 | 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 853 | |
| 19 | 87502500 | TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 4 | |
| 20 | 87700280 | STEEL MAST ARM ASSEMBLY AND POLE, 48 FT. | EACH | 1 | |
| 21 | 87700290 | STEEL MAST ARM ASSEMBLY AND POLE, 50 FT. | EACH | 1 | |
| 22 | 87704220 | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. (SPECIAL) | EACH | 1 | * |
| 23 | 87704230 | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT. (SPECIAL) | EACH | 1 | * |
| 24 | 87800100 | CONCRETE FOUNDATION, TYPE A | FOOT | 20 | |
| 25 | 87800150 | CONCRETE FOUNDATION, TYPE C | FOOT | 4 | |
| 26 | 87800415 | CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 26 | * |
| 27 | 87800420 | CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER | FOOT | 42 | * |
| 28 | 88030020 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 8 | |
| 29 | 88030110 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 4 | |
| 30 | 88030240 | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED | EACH | 4 | |
| 31 | 88200210 | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM | EACH | 12 | |
| 32 | 88500100 | INDUCTIVE LOOP DETECTOR | EACH | 8 | |
| 33 | 89600100 | DETECTOR LOOP, TYPE I | FOOT | 648 | |
| 34 | 88700200 | LIGHT DETECTOR | EACH | 2 | |
| 35 | 88700300 | LIGHT DETECTOR AMPLIFIER | EACH | 1 | |
| 36 | X0324085 | EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT | 381 | * |
| 37 | X2080250 | TRENCH BACKFILL, SPECIAL | CU YD | 395 | * |
| 38 | X8570225 | FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL | EACH | 1 | * |
| 39 | XX009937 | LED INTERNALLY ILLUMINATED STREET NAME SIGN | EACH | 4 | * |

RESTORATION OF WORK AREA.

RESTORATION OF ANY PREVIOUSLY COMPLETED PAY ITEMS IN THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM BEING PLACED 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 PREVIOUSLY SODDED AREAS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS OR PREVIOUSLY SEEDED AREAS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

| TYPE | NO. LAMPS | x WATTAGE | | % OPERATION | TOTAL WATTAGE |
|------------------|-----------|-----------|-----|-------------|---------------|
| | | INCAND. | LED | | |
| SIGNAL (RED) | 20 | | 17 | 0.50 | 170.0 |
| (YELLOW) | 20 | | 25 | 0.25 | 125.0 |
| (GREEN) | 20 | | 15 | 0.25 | 75.0 |
| ARROW | 16 | | 12 | 0.10 | 19.2 |
| PED. SIGNAL | | | | | |
| CONTROLLER | 1 | | 100 | 1.00 | 100 |
| ILLUM. SIGN | 4 | | 90 | 0.50 | 180 |
| STREET LIGHTS | 2 | 250 | | 0.50 | 250 |
| FLASHER | | | | 0.50 | |
| ENERGY COSTS TO: | | | | TOTAL = | 689.20 |

VILLAGE OF BOLINGBROOK
375 WEST BRIARCLIFF RD.
BOLINGBROOK, IL 60440

ENERGY SUPPLY CONTACT: DELORES KREMNITZER
PHONE: (815) 724-5558
COMPANY: COMED

| | | | |
|---|----------------------|--------------------|-----------|
| FILE NAME = | USER NAME = #USER# | DESIGNED - JS | REVISED - |
| P:\070116\cod\phase 2\dwg\070116-sht-ts.dgn | | DRAWN - JH | REVISED - |
| | PLOT SCALE = #SCALE# | CHECKED - CM | REVISED - |
| | PLOT DATE = 1/5/2012 | DATE - AUGUST 2009 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**TRAFFIC SIGNAL CABLE PLAN, PHASE DESIGNATION DIAGRAMS,
SCHEDULE OF QUANTITIES AND LIGHTING CABLE PLAN
PLAINFIELD NAPERVILLE RD AT 119TH ST/RODEO DR**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL MATCH THE EXISTING VILLAGE MAINTAINED SYSTEM.

| F.A.J. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|--------|--------------|-----------|
| 324 | 04-00036-22-TL | WILL | 152 | 59 |

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT