

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO 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, 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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

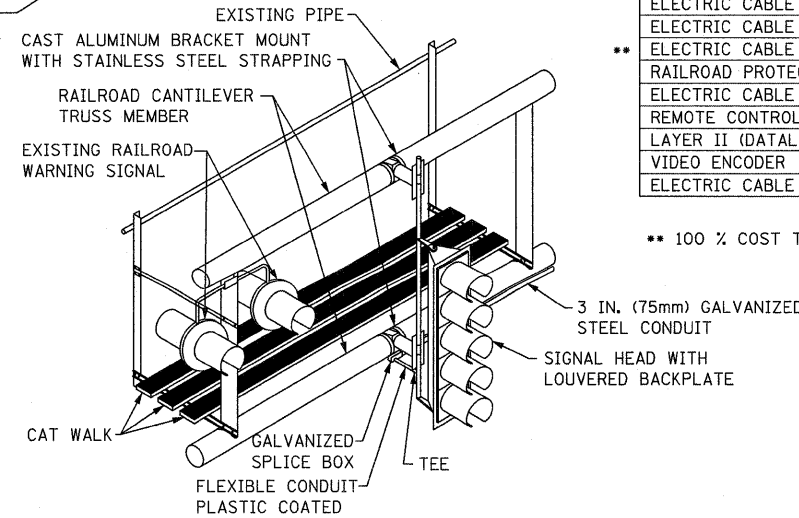
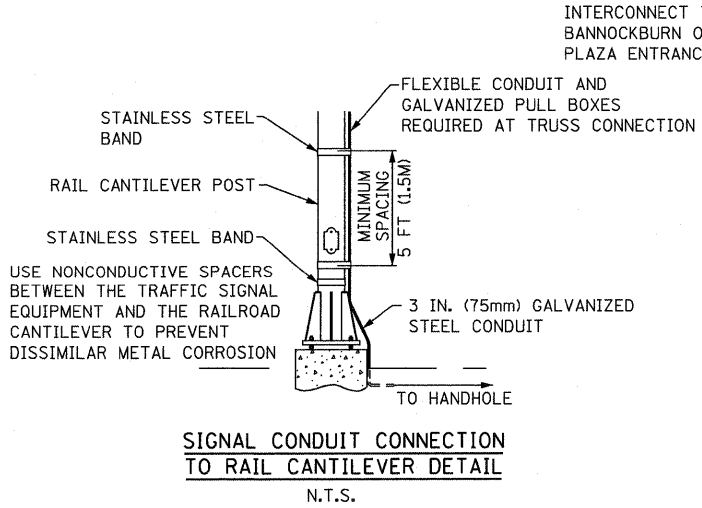
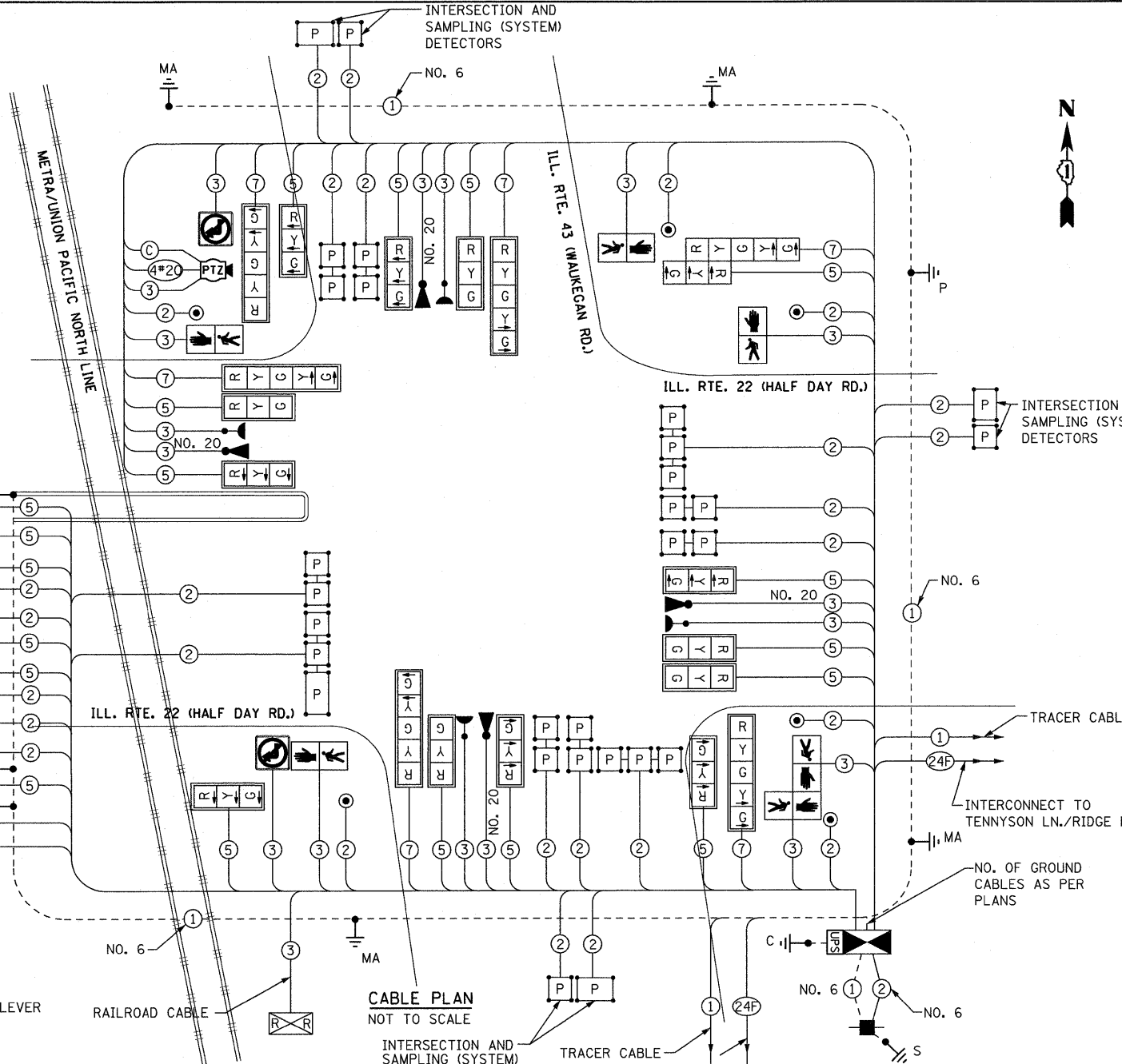
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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

| I.D.O.T.<br>TRAFFIC SIGNAL INSTALLATION<br>ELECTRICAL SERVICE REQUIREMENTS |           |                   |                |             | TOTAL<br>WATTAGE |
|--|-----------|-------------------|----------------|-------------|------------------|
| TYPE   | NO. LAMPS | WATTAGE<br>INCAND | WATTAGE<br>LED | % OPERATION |                  |
| SIGNAL (RED)   | 25        | 17                | 0.50           | 0.50        | 212.5            |
| (YELLOW)   | 25        | 25                | 0.25           | 0.25        | 156.25           |
| (GREEN)  | 25        | 15                | 0.25           | 0.25        | 93.75            |
| ARROW  | 12        | 12                | 0.10           | 0.10        | 14.4             |
| PED. SIGNAL  | 6         | 25                | 1.00           | 1.00        | 150              |
| CONTROLLER   | 1         | 100               | 1.00           | 1.00        | 100              |
| ILLUM. SIGN  | 2         | 25                | 0.05           | 0.05        | 2.5              |
| FLASHER  |           |                   |                | 0.50        |                  |
| TOTAL =  |           |                   |                |             | 729.4            |

ENERGY COST TO: Illinois Department of Transportation  
Division of Highways / District 1  
201 W Center Court / Schaumburg, Illinois 60196-1096

ENERGY SUPPLY: CONTACT: MR. VARUGHESE SAMUEL  
PHONE: 847-816-5291  
COMPANY: ComEd



SCHEDULE OF QUANTITIES

| ITEM  | UNIT  | QNTY. |
|---|-------|-------|
| SIGN PANEL - TYPE 1   | SQ FT | 78.5  |
| SIGN PANEL - TYPE 2   | SQ FT | 30.0  |
| CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL  | FOOT  | 781   |
| CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL                                    | FOOT  | 20    |
| CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL  | FOOT  | 49    |
| CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL  | FOOT  | 268   |
| CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL   | FOOT  | 573   |
| CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL                                       | FOOT  | 74    |
| CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL   | FOOT  | 765   |
| REMOVE EXISTING JUNCTION BOX  | EACH  | 2     |
| HANDHOLE  | EACH  | 8     |
| HEAVY-DUTY HANDHOLE   | EACH  | 5     |
| DOUBLE HANDHOLE   | EACH  | 4     |
| TRENCH AND BACKFILL FOR ELECTRICAL WORK   | FOOT  | 1,118 |
| TRANSCEIVER - FIBER OPTIC   | EACH  | 1     |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C   | FOOT  | 1,207 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C   | FOOT  | 3,664 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C   | FOOT  | 5,489 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C   | FOOT  | 1,862 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR                                   | FOOT  | 7,682 |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C                                       | FOOT  | 64    |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 9 FT.   | EACH  | 1     |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.  | EACH  | 1     |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.  | EACH  | 1     |
| STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.  | EACH  | 1     |
| STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 54 FT. AND 50 FT.             | EACH  | 1     |
| STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 58 FT. AND 46 FT.             | EACH  | 1     |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 70 FT. AND 40 FT. | EACH  | 1     |
| CONCRETE FOUNDATION, TYPE A   | FOOT  | 12    |
| CONCRETE FOUNDATION, TYPE C   | FOOT  | 4     |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER  | FOOT  | 16    |
| CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER  | FOOT  | 69    |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED                               | EACH  | 16    |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED                                | EACH  | 2     |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED                               | EACH  | 5     |
| SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED                 | EACH  | 1     |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED                                | EACH  | 4     |
| PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED                                | EACH  | 1     |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM  | EACH  | 21    |
| INDUCTIVE LOOP DETECTOR   | EACH  | 21    |
| ** LIGHT DETECTOR   | EACH  | 4     |
| ** LIGHT DETECTOR AMPLIFIER   | EACH  | 1     |
| PEDESTRIAN PUSH-BUTTON  | EACH  | 6     |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION   | EACH  | 1     |
| ILLUMINATED SIGN, LED   | EACH  | 2     |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT  | EACH  | 1     |
| REMOVE EXISTING HANDHOLE  | EACH  | 15    |
| REMOVE EXISTING CONCRETE FOUNDATION   | EACH  | 9     |
| PREFORMED DETECTOR LOOP   | FOOT  | 1,647 |
| TEMPORARY TRAFFIC SIGNAL TIMING   | EACH  | 1     |
| RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET (SPECIAL)                     | EACH  | 1     |
| SERVICE INSTALLATION - POLE MOUNTED   | EACH  | 1     |
| UNINTERRUPTIBLE POWER SUPPLY  | EACH  | 1     |
| ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C                                      | FOOT  | 1,136 |
| ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C                                      | FOOT  | 181   |
| ** ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED                          | FOOT  | 1,231 |
| RAILROAD PROTECTIVE LIABILITY INSURANCE   | L SUM | 1     |
| ELECTRIC CABLE IN CONDUIT, COAXIAL  | FOOT  | 528   |
| REMOTE CONTROLLED VIDEO SYSTEM  | EACH  | 1     |
| LAYER II (DATALINK) SWITCH  | EACH  | 1     |
| VIDEO ENCODER   | EACH  | 1     |
| ELECTRIC CABLE IN CONDUIT, 4/C #20, VIDEO   | FOOT  | 528   |

\*\* 100 % COST TO VILLAGE OF BANNOCKBURN

|  |   |                   |                      |
|--|---|-------------------|----------------------|
| FILE NAME =                            | USER NAME = pcciecha                      | DESIGNED - LP     | REVISED - 07/26/2010 |
| W:\ILRTE22\2009 REVISIONS\CADD Sheets\ | revised sheets\1160860-shit-ta-WAUCBL.dgn | DRAWN - LP        | REVISED - 07/27/2010 |
|  | PLOT SCALE = 20.0000 / IN.                | CHECKED - JP      | REVISED -            |
|  | PLOT DATE = 7/26/2010                     | DATE - 05/14/2010 | REVISED -            |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN AND SCHEDULE OF QUANTITIES  
IL. ROUTE 22 (HALF DAY ROAD) AND IL. ROUTE 43 (WAUKEGAN ROAD)**

SCALE: NTS      SHEET NO. 150 OF 232 SHEETS      STA.      TO STA.

|                    |               |             |                           |               |
|--------------------|---------------|-------------|---------------------------|---------------|
| F.A.P. RTE. 337    | SECTION 20R-4 | COUNTY LAKE | TOTAL SHEETS 232          | SHEET NO. 150 |
| CONTRACT NO. 60860 |               |             | ILLINOIS FED. AID PROJECT |               |