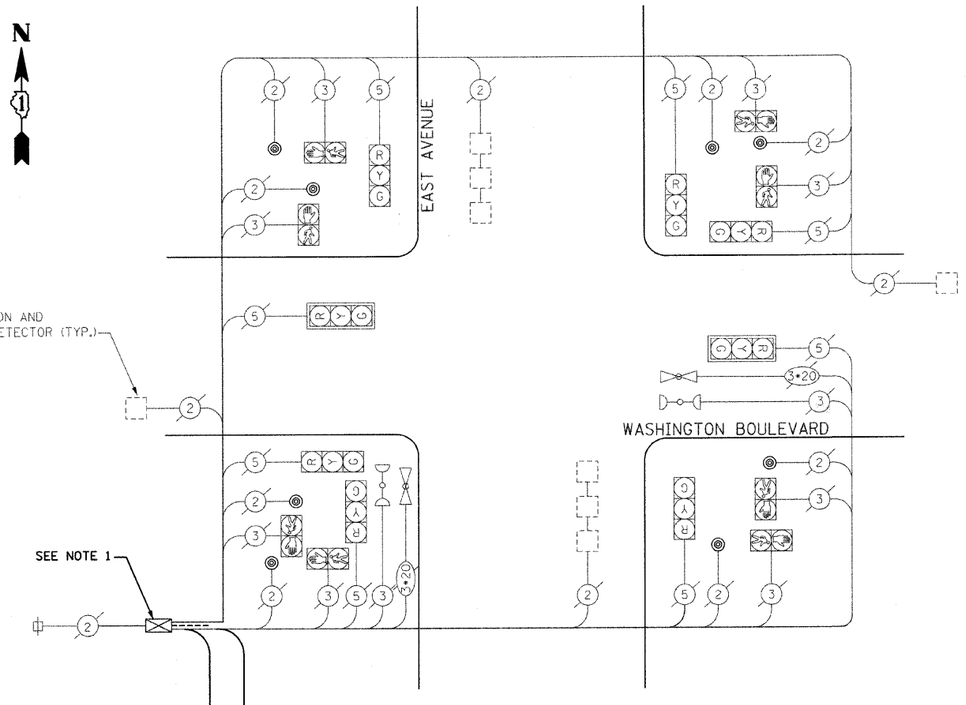
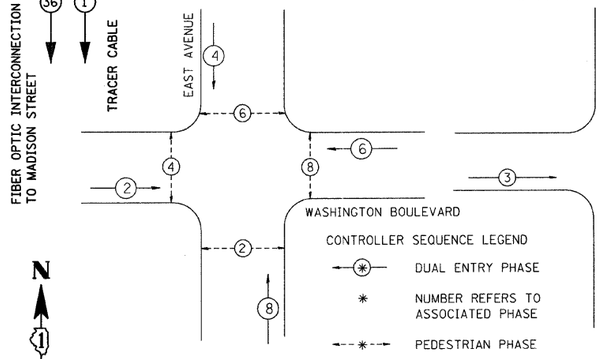
| ITEM | UNIT | QUANTITY |
|---|---|---|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| MODIFY EXISTING CONTROLLER | EACH | 1 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |

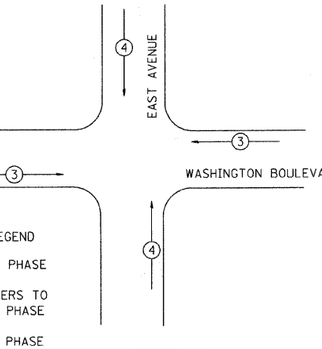



CONTROLLER SEQUENCE




PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION DIAGRAM




(DRAWING NOT TO SCALE)

| EMERGENCY VEHICLE PREEMPTORS | | |
|---|---|---|
| EMERGENCY VEHICLE PREEMPTOR | 3 | 4 |
| MOVEMENT | ← → | ↓ ↑ |

## CABLE PLAN LEGEND

| EXISTING | PROPOSED | |
|---|---|---|
| G | G | 8" (200mm) TRAFFIC SIGNAL SECTION |
| R | R | 12" (300mm) TRAFFIC SIGNAL SECTION |
| W | W | 12" (300mm) PEDESTRIAN SIGNAL SECTION (LETTERS) |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION (SYMBOLS) |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| T | T | TELEPHONE INSTALLATION |
| | | VEHICLE DETECTOR, INDUCTIVE LOOP |
| | | MAGNETIC DETECTOR |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PUSHBUTTON DETECTOR |
| 2 | 2 | DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| 1 | 1 | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| 36 | 36 | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F |
| R Y G ←Y ←G "P" | R Y G ←Y ←G "P" | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD. |
| H/C | C | GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C) |
| P | P | GROUND ROD AT POST (P) OR MAST ARM POLE (MA) |
| S | S | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |

NOTES:

1. EXISTING CONTROLLER REFERS TO ASC/2S-1000 CONTROLLER RELOCATED FROM LOMBARD AVENUE. (SEE TRAFFIC SIGNAL MODIFICATION PLAN FOR WASHINGTON BOULEVARD AND LOMBARD AVENUE.)

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL WATTAGE |
|---|---|---|---|---|---|
| TYPE | NO. LAMPS | WATTAGE INCAND. | WATTAGE LED | %OPERATION | |
| SIGNAL (RED) | 8 | | 17 | 0.50 | 68 |
| (YELLOW) | 8 | | 25 | 0.25 | 50 |
| (GREEN) | 8 | | 15 | 0.25 | 30 |
| ARROW | 0 | | 12 | 0.10 | 0 |
| PED. SIGNAL | 8 | | 25 | 1.00 | 200 |
| CONTROLLER | 1 | | 100 | 1.00 | 100 |
| ILLUM. SIGN | | | | 0.05 | 0 |
| | | | | | |
| | | | | | |
| | | | | | |
| FLASHER | 2 | | | 0.50 | 0 |
| ENERGY COSTS TO: | | | | TOTAL = | 448 |

VILLAGE OF OAK PARK

ENERGY SUPPLY CONTACT:

PHONE:

COMPANY: Commonwealth Edison

| FOUNDATION (DEPTH) | FT. (m) | CABLE SLACK | FT. (m) | VERTICAL | FT. (m) |
|---|---|---|---|---|---|
| TYPE A - POST | 4 (1.2) | HANDHOLE | 6.5 (2.0) | ALL FOUNDATIONS | 3.5 (1.0) |
| D - CONTROLLER | 4 (1.2) | DOUBLE HANDHOLE | 13 (4.0) | MAST ARM (L) POLE | 20'+L-2= |
| E - M. ARM POLE | | SIGNAL POST | 2 (1.0) | | (6m+L-0.6m)= |
| 30" (600 mm) | 10 (3.0) | CONTROLLER CAB. | 1 (0.5) | BRACKET MOUNTED | 13 (4.0) |
| 36" (900 mm) | 15 (4.6) | FIBER OPTIC | 13 (4.0) | PED. PUSHBUTTON | 4 (1.2) |
| | | ELECTRIC SERVICE | 1 (0.5) | ELECTRICAL SERVICE | 13.5 (4.1) |
| | | GROUND CABLE | 1 (0.5) | SERVICE TO GROUND | 13.5 (4.1) |
| | | | | POST MOUNTED | 6 (1.8) |

FILE NAME = s:\pl\6700-6799\6784\009\micro\cable plans\wash-east.dgn


STRAND ASSOCIATES, INC. ENGINEERS
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200


| | | | |
|---|---|---|---|
| USER NAME = adamm | DESIGNED - | REVISED - | |
| | DRAWN - | REVISED - | |
| PLOT SCALE = 20.6800 ' / IN. | CHECKED - | REVISED - | |
| PLOT DATE = 5/26/2009 | DATE - | REVISED - | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN**
**WASHINGTON BOULEVARD & EAST AVENUE**

SCALE: AS SHOWN | SHEET NO. OF SHEETS | STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1412 | 07-00245-00-TL | COOK | 64 | 12 |
| | | CONTRACT NO. 63112 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |