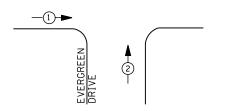


RIGHT TURN OVERLAP PHASE DESIGNATION PERMISSIVE OVERLAP PROTECTED LETTER PHASE PHASE DISPLAY

PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

| EMERGENCY VEHICLE PREEMPTORS | | | | | |
|------------------------------|---|---|--|--|--|
| EMERGENCY VEHICLE PREEMPTOR | 1 | 2 | | | |
| MOVEMENT | - | 1 | | | |

| | | I. D. O | . T. | | | |
|---------------------------------|-----------|----------|---------|--------------|---------|--|
| | TRAFFIC S | I GNAL I | NSTALLA | TION | | |
| ELECTRICAL SERVICE REQUIREMENTS | | | | | | |
| TYPE | NO. LAMPS | WATTAGE | | % OPERATIONS | TOTAL | |
| | | INCAND. | LED | | WATTAGE | |
| SIGNAL (RED) | 11 | 1 35 | 17 | 0.50 | 94 | |
| (YELLOW) | 11 | 1 35 | 25 | 0.25 | 69 | |
| (GREEN) | 11 | 1 35 | 15 | 0.25 | 41 | |
| ARROW | 8 | 1 35 | 12 | 0.10 | 10 | |
| PED. SIGNAL | 2 | 90 | 25 | 1.00 | 50 | |
| CONTROLLER | 1 | 1 00 | 1 00 | 1.00 | 100 | |
| ILLUM. SIGN | | 252 | 25 | 0.05 | | |
| VIDEO SYSTEM | | 150 | - | 1.00 | | |
| | | | | | | |
| | | | | | | |
| FLASHER LED | | | | | | |
| 1 | | | | TOTAL = | 7.0.4 | |

ENERGY COSTS-

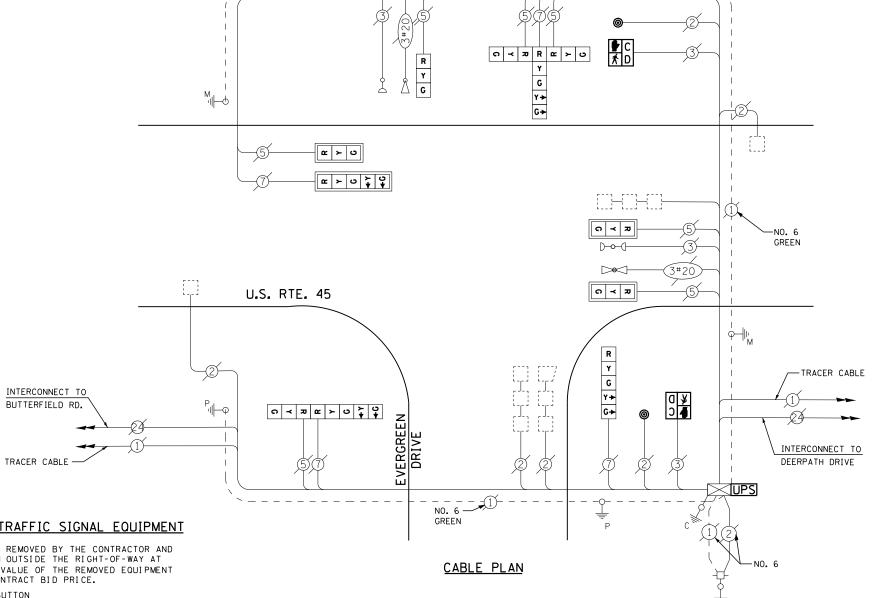
BILLED TO: VILLAGE OF VERNON HILLS 290 EVERGREEN DRIVE VERNON HILLS, IL 60061

ENERGY SUPPLY -

COMMONWEALTH EDISON

CONTACT TERRI BLECK PHONE <u>847-816-5239</u> DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

2 EACH PEDESTRIAN PUSH-BUTTON

2 EACH PEDESTRIAN SIGNAL HEAD

SCHEDULE OF QUANTITIES

| QUANTITY | UNIT | ITEM |
|----------|------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 2 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTABLE POWER SUPPLY, SPECIAL |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT |
| 1 | EACH | SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT |

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

CONTRACTOR SHALL REPLACE BROKEN MOUNTING BRACKETS AT ALL RETROFIT SIGNAL HEADS OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CORRESPONDING SIGNAL HEAD, LED, RETROFIT PAY ITEM OF THE TYPE AND NUMBER OF SIGNAL HEADS, FACES, AND SECTIONS AS SPECIFIED IN THE PLANS.

TS# 21070 **VERNON HILLS**

FILE NAME = DESIGNED REVISED USER NAME = \$USER\$ DW N:\Projects3\12004\DesignCAD\Sheet Files 12-001 Sheets SE Lake Co\21070_CAB_LAKE.do DRAWN JDH REVISED CHECKED KMM REVISED PLOT DATE = 3/28/2012 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

U.S. ROUTE 45 AT EVERGREEN DRIVE - CABLE PLAN, SCHEDULE OF QUANTITIES, PHASE DESIGN. DIAGRAM & EVP SEQUENCE SCALE: N.T.S. SHEET NO. OF SHEETS STA.

SECTION COUNTY LAKE 102 52 2012-003 I CONTRACT NO. 60T41