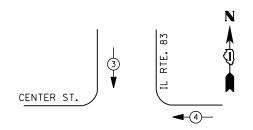
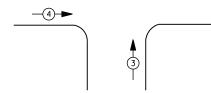


PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

| EMERGENCY VEHICLE PREEMPTORS | | | | | | | |
|------------------------------|----------|------------|--|--|--|--|--|
| EMERGENCY VEHICLE PREEMPTOR | 3 | 4 | | | | | |
| MOVEMENT | — | ↓ ↑ | | | | | |

I. D. O. T. TRAFFIC SIGNAL INSTALLATION

| ELECTRICAL SERVICE REQUIREMENTS | | | | | | | | | |
|---------------------------------|-----------|---------|-----------|--------------|------------------|--|--|--|--|
| TYPE | NO. LAMPS | WATTAGE | | % OPERATIONS | TOTAL WATTAGE | | | | |
| | | INCAND. | CAND. LED | | | | | | |
| SIGNAL (RED) | 12 | 1 35 | 17 | 0.50 | 102 | | | | |
| (YELLOW) | 12 | 1 35 | 25 | 0.25 | 75 | | | | |
| (GREEN) | 12 | 1 35 | 15 | 0.25 | 45 | | | | |
| ARROW | 12 | 1 35 | 12 | 0.10 | 14 | | | | |
| PED. SIGNAL | 8 | 90 | 25 | 1.00 | 200 | | | | |
| CONTROLLER | 1 | 100 | 1 00 | 1.00 | 100 | | | | |
| ILLUM. SIGN | | 252 | 25 | 0.05 | | | | | |
| VIDEO SYSTEM | 1 | 150 | - | 1.00 | 150 | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| FLASHER LED | | | | | | | | | |

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

TOTAL =

ENERGY SUPPLY -CONTACT TERRI BLECK

PHONE 847-816-5239

COMMONWEALTH EDISON

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.

PEDESTRIAN SIGNAL HEAD EACH EACH PEDESTRI AN PUSH-BUTTON

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | ITEM PUSH BUTTON |
|----------|-------------|---|
| 10 | FOOT | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. |
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 1 | EACH | DRILL EXISTING HANDHOLE |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT |
| 5 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING |

83 RTE. R Y G +Y +G R Y G +Y +G R G **↑ ↑** 0 ≺ **₽** CENTER ST. _ r v -NO. 6 ت × يم ا GREEN NO. 6 GREEN ດ ≺ ສ C V ٦ ک ы GREEN 2" UNDERGROUND CONDUIT, GALVANIZED STEEL **CABLE PLAN**

INTERCONNECT TO FREDRICK RD.

-TRACER CABLE

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D

UPS SHALL BE INSTALLED ON A SEPARATE FOUNDATION DUE TO PHYSICAL CONSTRAINTS, OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY, GROUND MOUNTED"

TS# 13740 GRAYSI AKE

| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | | DW | REVISED - |
|--|--|------------|---|-----|-----------|
| N:\Projects3\12004\DesignCAD\Sheet Files | 12-004 Sheets NW Lake Co\13740_CAB_LAKE.dg | DRAWN - | | JDH | REVISED - |
| | PLOT SCALE = \$SCALE\$ | CHECKED - | - | кмм | REVISED - |
| | PLOT DATE = 12/10/2012 | DATE - | | | REVISED - |

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SCALE: N.T.S.

| ONATSEA | | | | | | | | | 41VL | | | |
|--|---------|-------|--------|--------------|---------|------|----------|-----------------|------------------|-----------|--|--|
| IL ROUTE 83 AT CENTER STREET SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE | | | | F.A. RTE. | SECT | ION | COUNTY | TOTAL SHEETS | SHEET NO. | | | |
| | | | | | 2012-04 | 10TS | LAKE | 60 | 29 | | | |
| | | | | | | | CONTRACT | NO. | 50T85 | | | |
| .S. | SHEET N | NO. 0 | SHEETS | STA. | TO | STA. | | | ILLINOIS FED. AI | D PROJECT | | |