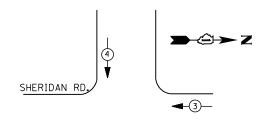
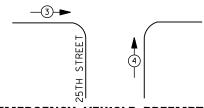


PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

| EMERGENCY VEHICLE PREEMPTORS | | | | | | | | | | |
|------------------------------|----------|----------|--|--|--|--|--|--|--|--|
| EMERGENCY VEHICLE PREEMPTOR | 3 | 4 | | | | | | | | |
| MOVEMENT | + | 1 | | | | | | | | |

| | | I. D. O | . T. | | | | | | | | | |
|---------------------------------|-----------|---------|------|--------------|---------|--|--|--|--|--|--|--|
| TRAFFIC SIGNAL INSTALLATION | | | | | | | | | | | | |
| ELECTRICAL SERVICE REQUIREMENTS | | | | | | | | | | | | |
| TYPE | NO. LAMPS | WATTAGE | | % OPERATIONS | TOTAL | | | | | | | |
| | | INCAND. | LED | | WATTAGE | | | | | | | |
| 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 | 8 | 1 35 | 12 | 0.10 | 10 | | | | | | | |
| PED. SIGNAL | 8 | 90 | 25 | 1.00 | 200 | | | | | | | |
| CONTROLLER | 1 | 1 00 | 1 00 | 1.00 | 100 | | | | | | | |
| ILLUM. SIGN | | 252 | 25 | 0.05 | | | | | | | | |
| VIDEO SYSTEM | | 150 | - | 1.00 | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| FLASHER LED | | | | | | | | | | | | |
| | | | | TOTAL = | 532 | | | | | | | |

ENERGY COSTS- BILLED TO: CITY OF ZION

2828 SHERIDAN RD

ZION, IL 60099

ENERGY SUPPLY - CONTACT TERRI BLECK
PHONE 847-816-5239
COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

| <u>QUANTITY</u> | <u>UNIT</u> | <u>ITEM</u> |
|-----------------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 8 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 8 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTABLE POWER SUPPLY, SPECIAL |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT |
| 6 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT |

SHERIDAN ROAD

TRACER CABLE -

INTERCONNECT TO 27TH STREET

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

- TRACER CABLE

INTERCONNECT TO 23RD STREET

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

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.

8 EACH PEDESTRIAN SIGNAL HEAD 8 EACH PEDESTRIAN PUSH-BUTTON

≯ • C

BL VD.

SHILOH

STREET

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CABLE PLAN

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TS# 20905 ZION

| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | DW | REVISED - | | IL ROUTE 137 (SHERIDAN RD) AT 25TH STREET (SHILOH BLVD) | | | | | F.A. RTF. | SECTION | COUNTY | TOTAL | SHEET | |
|--|---|------------|-----|-----------|--|---|--|--|--|--|--------------|------------|-----------------|-----------|-------|--|
| N:\Projects3\12004\DesignCAD\Sheet Files | 12-002 Sheets NE Lake Co\20905_CAB_LAKE.d | n DRAWN - | JDH | REVISED - | STATE OF ILLINOIS | SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNAT | | | | | IVIE. | 2012-004 I | LAKE | 97 | 91 | |
| | PLOT SCALE = \$SCALE\$ | CHECKED - | КММ | REVISED - | DEPARTMENT OF TRANSPORTATION | AND EMERGENCY VEHICLE PREEMPTION SEQUENCE | | | | | | | CONTRAC | T NO. F | 60T42 | |
| | PLOT DATE = 5/16/2012 | DATE - | | REVISED - | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | | | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | | | | ILLINOIS FED. A | D PROJECT | | |