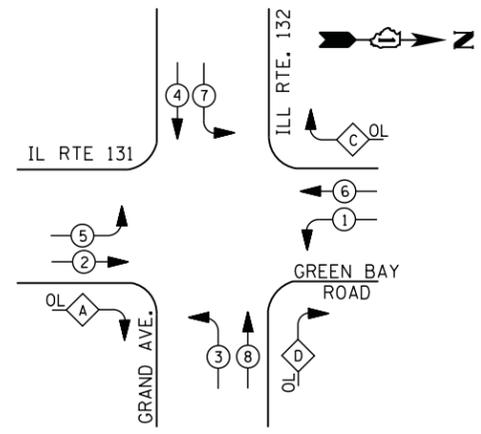
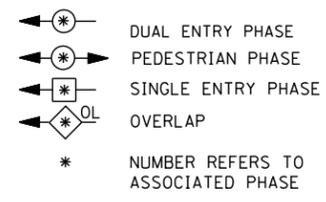


CONTROLLER SEQUENCE



LEGEND

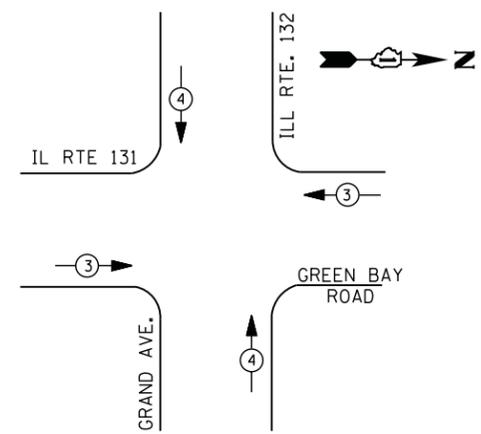


- ① REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- ② REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- ③ REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- ④ REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

RIGHT TURN OVERLAP PHASE DESIGNATION

| OVERLAP LETTER | PERMISSIVE PHASE | PROTECTED PHASE | DISPLAY PHASE |
|----------------|------------------|-----------------|---------------|
| A | = 2 | + 3 | - 2 |
| C | = 6 | + 7 | - 6 |
| D | = 8 | + 1 | - 8 |

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. | LED | | |
| SIGNAL (RED) | 16 | 135 | 17 | 0.50 | 136 |
| (YELLOW) | 16 | 135 | 25 | 0.25 | 100 |
| (GREEN) | 16 | 135 | 15 | 0.25 | 60 |
| ARROW | 28 | 135 | 12 | 0.10 | 34 |
| PED. SIGNAL | -- | 90 | 25 | 1.00 | -- |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 252 | 25 | 0.05 | -- |
| VIDEO SYSTEM | 1 | 150 | 150 | 1.00 | 150 |
| FLASHER LED | | | | | |
| TOTAL = | | | | | 580 |

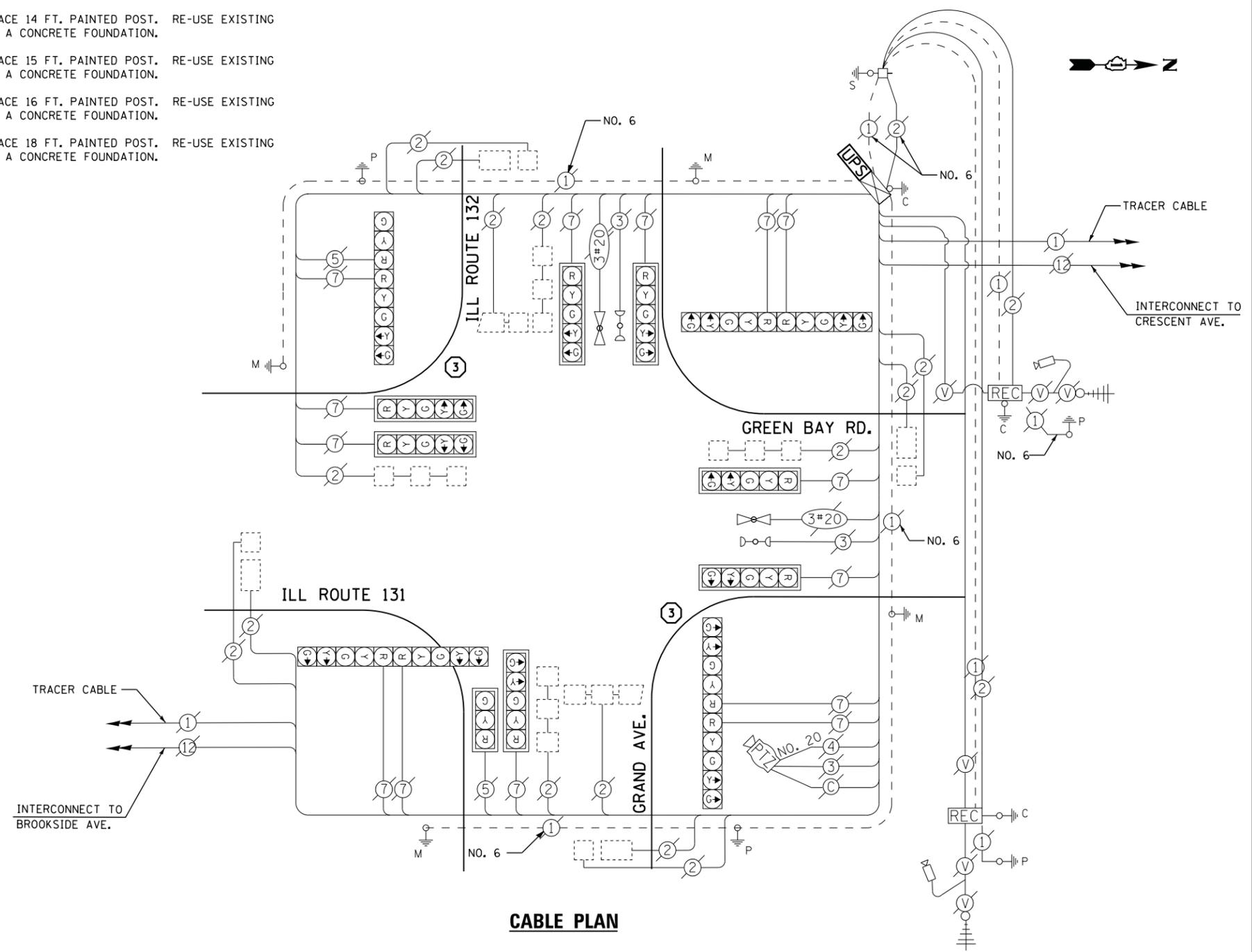
ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196-1096

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

SCHEDULE OF QUANTITIES

| QUANTITY | UNIT | ITEM |
|----------|------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. |
| 4 | EACH | RELOCATE EXISTING SIGNAL HEAD |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTABLE POWER SUPPLY, SPECIAL |

CABLE PLAN



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 SIGNAL POST

| | | | | | |
|--|-----------------------|------------|-----|-----------|--|
| FILE NAME = | USER NAME = *USER* | DESIGNED - | DW | REVISED - | |
| N:\Projects\3\12004\Design\CAD\Sheet Files\12-002 Sheets NE Lake Co\15020.CAB.LAKE.dgn | | DRAWN - | JDH | REVISED - | |
| | PLOT SCALE = *SCALE* | CHECKED - | KMM | REVISED - | |
| | PLOT DATE = 5/16/2012 | DATE - | | REVISED - | |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-----------|-----------|--------------|
| IL ROUTE 131 (GREEN BAY RD) AT ILL ROUTE 132 (GRAND AVE) | | | |
| SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE | | | |
| SCALE: N.T.S. | SHEET NO. | OF SHEETS | STA. TO STA. |

| | | | | |
|---------------------------|------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 2012-004 I | LAKE | 97 | 68 |
| CONTRACT NO. 60T42 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS# 15020
 WAUKEGAN