



EXISTING SEQUENCE OF OPERATION

| PHASE | A | | | | | B | | FLASH |
|-------------|---|---|---|---|---|---|--|-------|
| | 1 | 2 | 3 | 4 | 5 | | | |
| 138TH ST EB | G | Y | Y | R | R | | | R |
| 138TH ST WB | G | Y | R | R | R | | | R |
| INDIANA AVE | R | R | R | G | Y | | | R |

EXISTING RAILROAD PREEMPTION

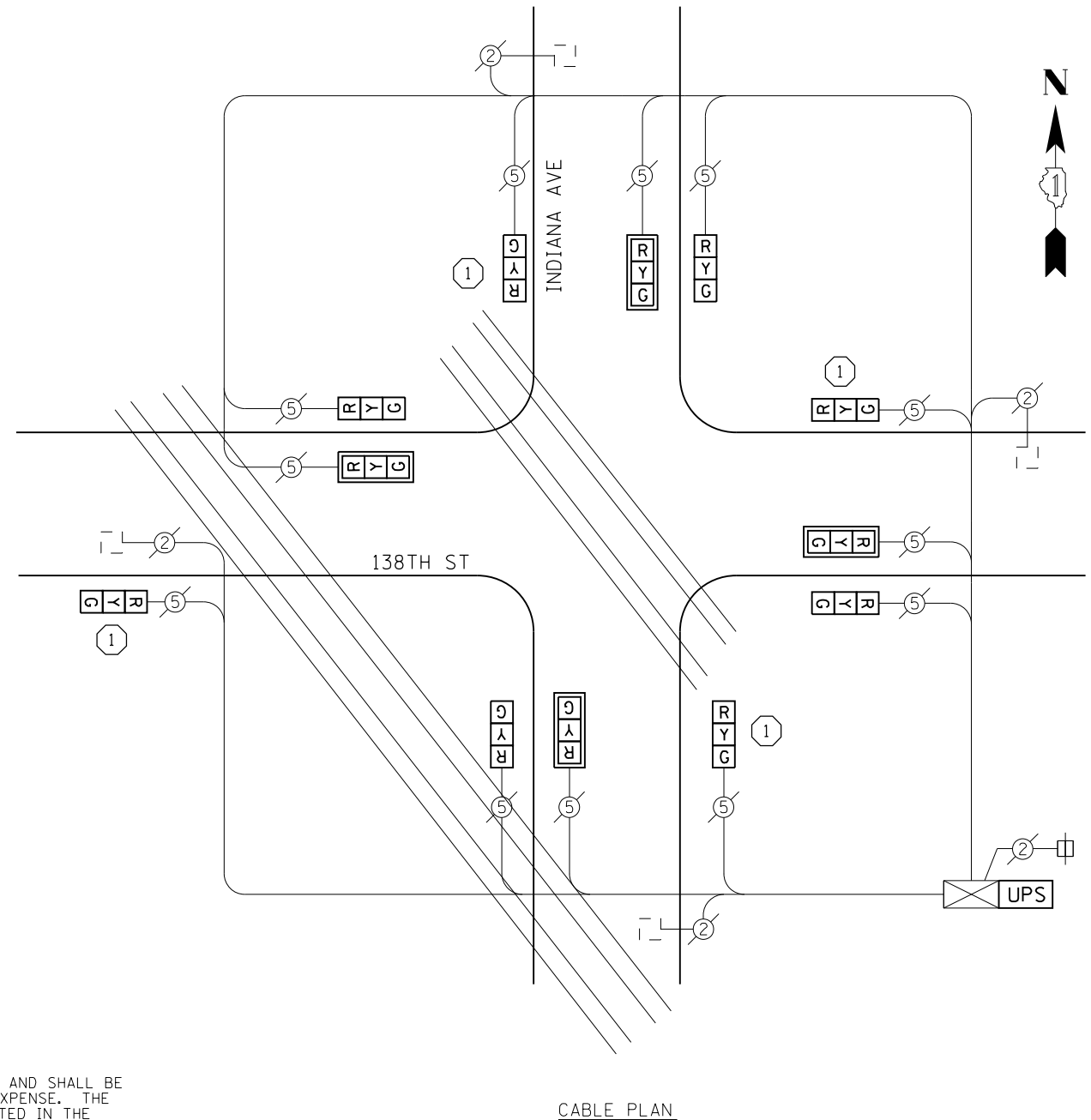
| CLEARANCE REQ'D IF IN INTERVAL | | | | | | PREEMPTION INTERVALS | | | | NORMAL OPERATION |
|--------------------------------|---|---|---|---|---|----------------------|---|---|---|------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| CHANGE TO | | 6 | 6 | 6 | 6 | 6 | 7 | 8 | 9 | |
| 138TH ST EB | Y | Y | Y | Y | R | R | R | R | R | |
| 138TH ST WB | Y | R | R | R | R | R | R | R | R | |
| INDIANA AVE SB | R | R | R | R | Y | Y | R | R | R | |
| INDIANA AVE NB | R | R | R | R | G | Y | G | Y | R | |

CONSTRUCTION NOTES:

- 1) THE CONTRACTOR SHALL REPLACE THE EXISTING TRAFFIC SIGNAL POST WITH THE PROPOSED TRAFFIC SIGNAL POST, 14 FT. AND ATTACH THE PROPOSED POST TO THE EXISTING FOUNDATION.

NOTES

- 1) ALL COSTS RELATED TO ATTACHING THE POSTS TO THE EXISTING FOUNDATION SHALL BE INCLUDED IN THE UNIT COST OF TRAFFIC SIGNAL POST OF THE SIZE SPECIFIED
- 2) PRIOR TO REMOVING ANY TRAFFIC SIGNAL POST SPECIFIED TO BE REPLACED IN THE SAME LOCATION THE CONTRACTOR SHALL VERIFY THAT THE PATTERN, SPACING, AND CONDITION OF THE EXISTING BOLTS ARE SUITABLE FOR RE-USE WITH A NEW POST. IF THE BOLTS ARE NOT USABLE, REPLACE AS DIRECTED BY THE ENGINEER.
- 3) THE CONTRACTOR SHALL RELOCATE EXISTING SIGN PANELS FROM POSTS THAT ARE INDICATED FOR REPLACEMENT TO THE NEW POSTS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL, RELOCATION AND ANY NEW MOUNTING HARDWARE NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE UNIT COST OF TRAFFIC SIGNAL POST OF THE SIZE SPECIFIED.



CABLE PLAN

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. LAMPS | WATTAGE INCAND. | LED | %OPERATION | TOTAL WATTAGE |
|----------------|-----------|-----------------|-----|------------|---------------|
| SIGNAL (RED) | 12 | | 17 | 0.50 | 102.0 |
| (YELLOW) | 12 | | 25 | 0.25 | 75.0 |
| (GREEN) | 12 | | 15 | 0.25 | 45.0 |
| ARROW | | | 12 | 0.10 | - |
| PED SIGNAL | | | 25 | 1.00 | - |
| CONTROLLER | 1 | 100 | | 1.00 | 100.0 |
| VIDEO SYSTEM | | 150 | | 1.00 | - |
| BATTERY BACKUP | 1 | 25 | | 1.00 | 25.0 |
| TOTAL = | | | | | 347.0 |

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.

- 12 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 4 EACH STEEL POST

SCHEDULE OF QUANTITIES ITEM

| ITEM | UNIT | QUANTITY |
|---|------|----------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT. | EACH | 4 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 4 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 8 |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM | EACH | 4 |
| MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 1 |

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

ENERGY SUPPLY- CONTACT BRAD SHINABARGAR
PHONE 708-325-2692
COMMONWEALTH EDISON

| | | | |
|--|-----------------------------|--------------|-----------|
| FILE NAME = D:\60X24-sht-ts-TS5350.dgn | USER NAME = Brian Scifers | DESIGNED KJP | REVISED - |
| Default | | DRAWN DLW | REVISED - |
| | PLOT SCALE = 40.0000' / in. | CHECKED BKS | REVISED - |
| | PLOT DATE = 10/8/2013 | DATE - | REVISED - |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, & CHART SEQUENCES
INDIANA AVE. AT 138TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 2013-052TS | COOK | 87 | 74 |
| CONTRACT NO. 60X24 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

TS #5350 RIVERDALE