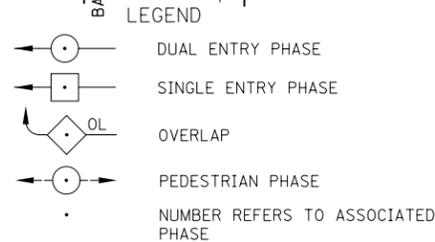
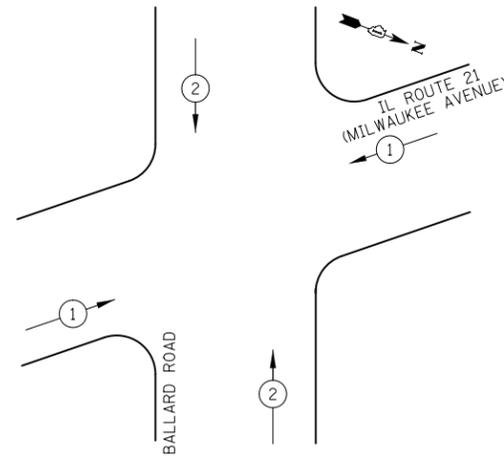
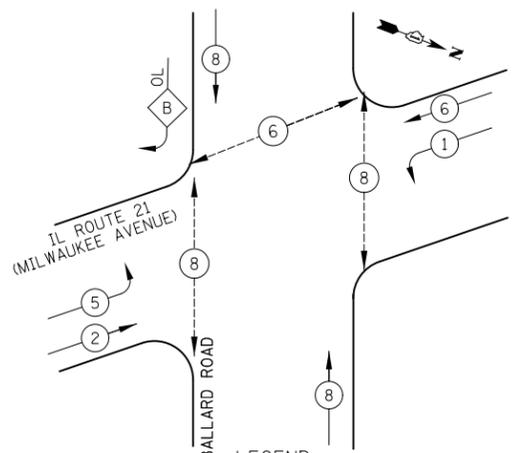


CONTROLLER SEQUENCE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



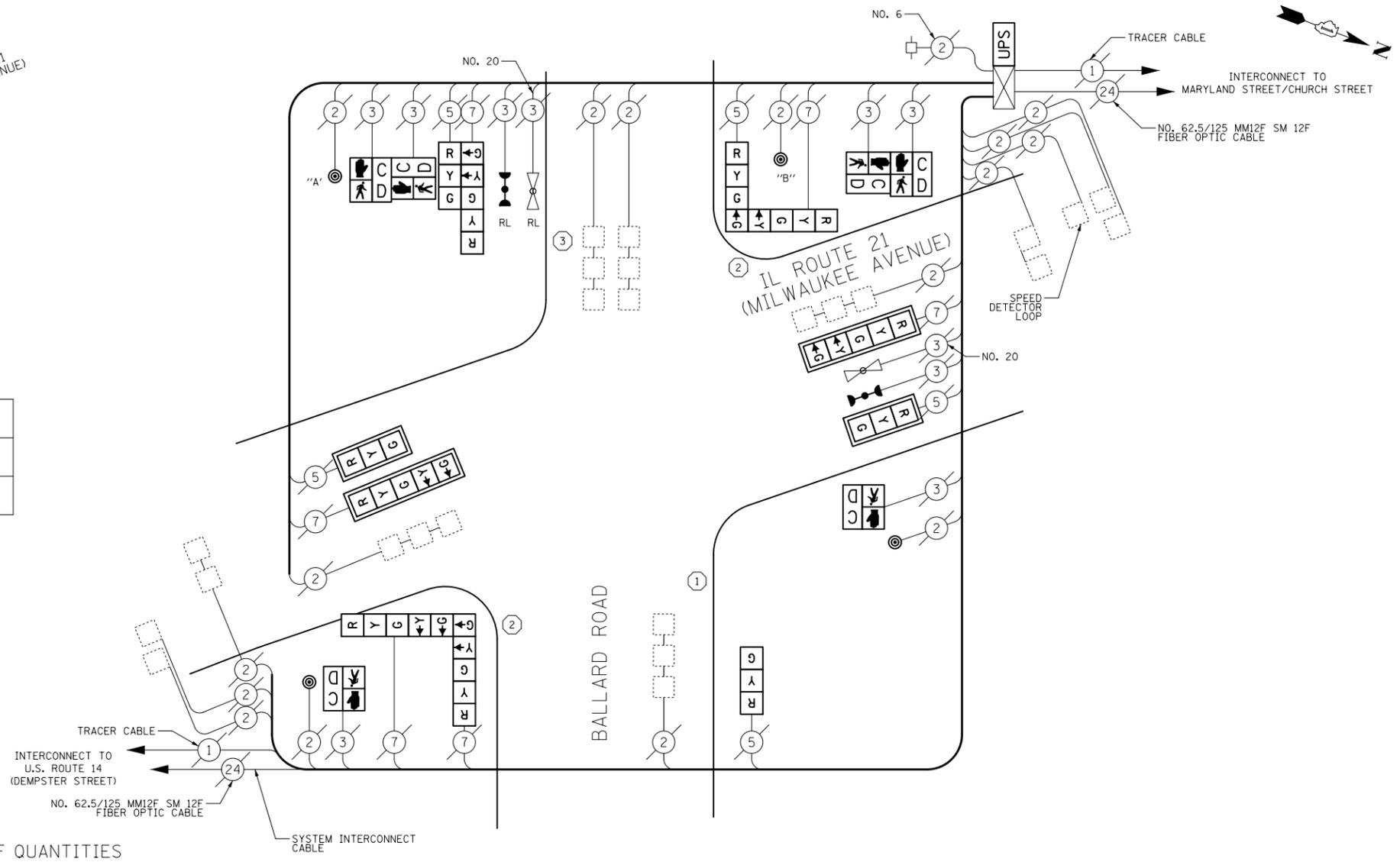
| EMERGENCY VEHICLE PREEMPTORS | | |
|------------------------------|---|---|
| EMERGENCY VEHICLE PREEMPTOR | 1 | 2 |
| MOVEMENT | | |

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

| OVERLAP LETTER | PERMISSIVE PHASE | PROTECTED PHASE |
|----------------|------------------|-----------------|
| B | = 8 | + 5 |

- NOTES
- REPLACEMENT OF THE EXISTING CONFIRMATION BEACONS WITH NEW LED CONFIRMATION BEACONS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, SPECIAL".
 - THE CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT TO THE NEW TRAFFIC SIGNAL POST. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC SIGNAL POST, GALVANIZED STEEL" OF THE HEIGHT SPECIFIED.



SCHEDULE OF QUANTITIES

| PAY ITEM | UNIT | QNTY. |
|---|------|-------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT. | EACH | 1 |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 2 |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT. | EACH | 1 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 2 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 1 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 2 |
| SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 1 |
| SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED | EACH | 2 |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 2 |
| PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 2 |
| 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 |
| PEDESTRIAN PUSH-BUTTON, NON-LATCHING | EACH | 4 |

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.

| | | |
|---|------|---|
| 4 | EACH | TRAFFIC SIGNAL POST |
| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION |
| 2 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION |
| 2 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 5-SECTION |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 2-FACE |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING |

CABLE PLAN
NOT TO SCALE

- 1 REPLACE PAINTED POST WITH 14 FT. POST, RE-USE EXISTING TYPE A FOUNDATION.
- 2 REPLACE PAINTED POST WITH 16 FT. POST, RE-USE EXISTING TYPE A FOUNDATION.
- 3 REPLACE PAINTED POST WITH 18 FT. POST, RE-USE EXISTING TYPE A FOUNDATION AND RELOCATE EXISTING LIGHT DETECTOR AND CONFIRMATION BEACON.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL WATTAGE |
|--|-----------|--------------------|-----|-------------|------------------|
| TYPE | NO. LAMPS | WATTAGE INCAND. | LED | % OPERATION | |
| SIGNAL (RED) | 11 | | 17 | 0.50 | 94 |
| (YELLOW) | 11 | | 25 | 0.25 | 69 |
| (GREEN) | 11 | | 15 | 0.25 | 41 |
| ARROW | 12 | | 12 | 0.10 | 14 |
| PED. SIGNAL | 6 | | 25 | 1.00 | 150 |
| CONTROLLER | 1 | | 100 | 1.00 | 100 |
| TOTAL = | | | | | 468 |

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: COM ED
PHONE: (866) 639-3532
COMPANY: COM ED