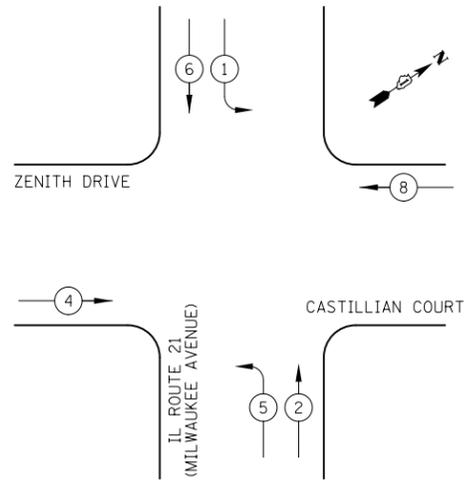
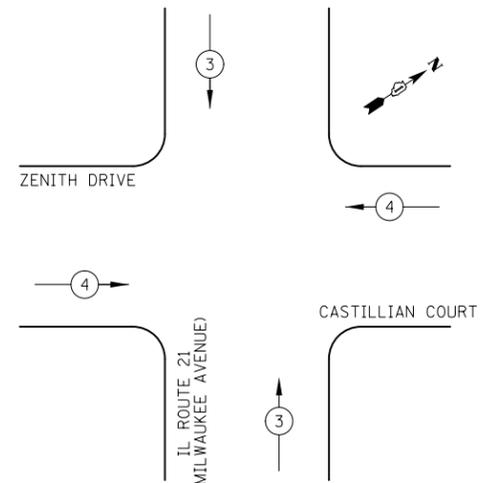


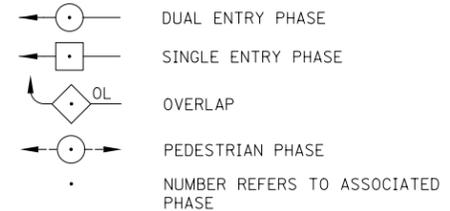
CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

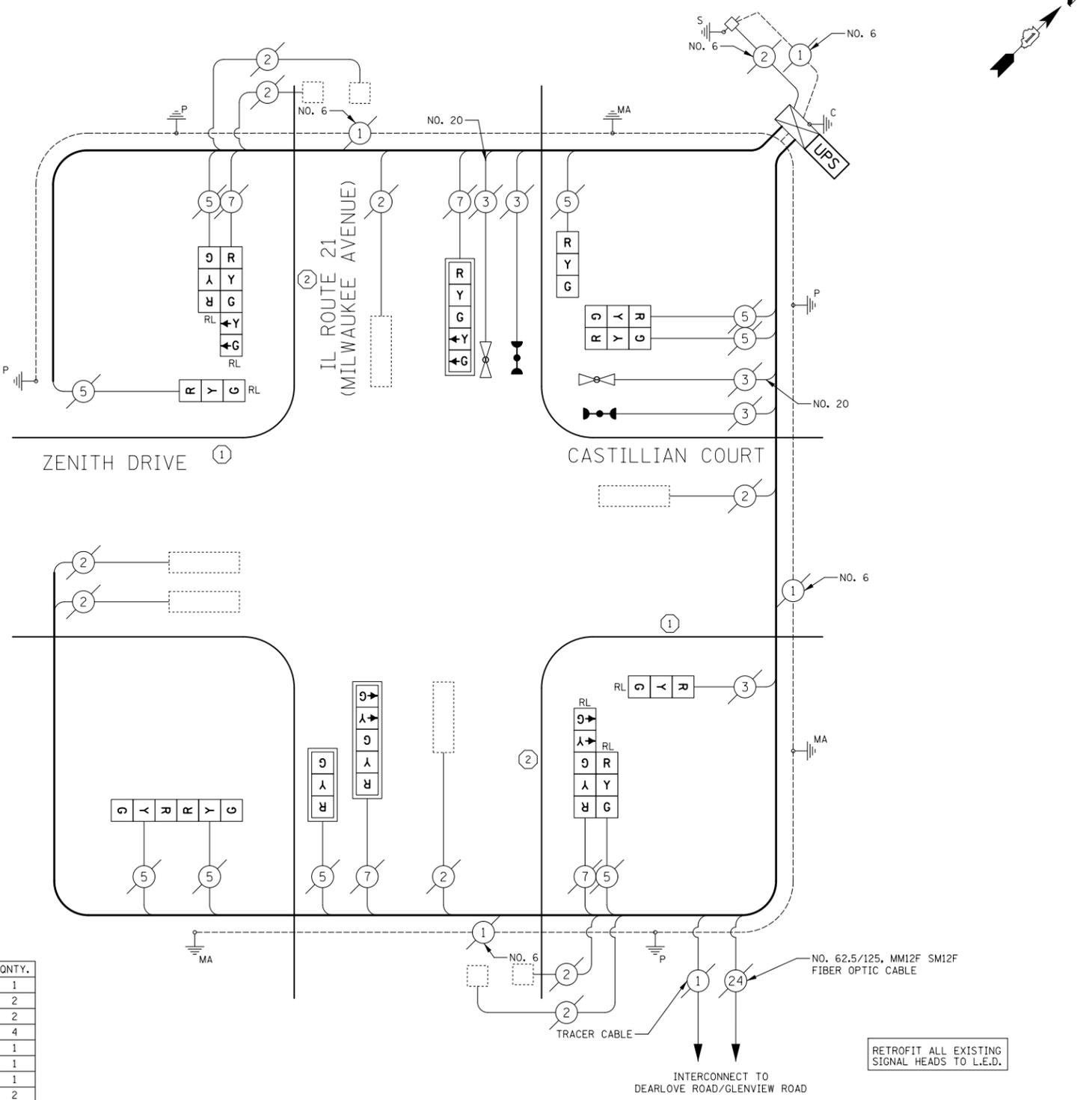


| EMERGENCY VEHICLE PREEMPTORS |     |     |
|------------------------------|-----|-----|
| EMERGENCY VEHICLE PREEMPTOR  | 3   | 4   |
| MOVEMENT                     | ↑ ↓ | ← → |

PHASE DESIGNATION DIAGRAM

NOTES

- REPLACEMENT OF THE EXISTING CONFIRMATION BEACONS WITH NEW LED CONFIRMATION BEACONS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, SPECIAL".
- THE PROPOSED UPS SHALL BE INSTALLED ON THE LEFT (EAST) SIDE OF THE CONTROLLER CABINET.



SCHEDULE OF QUANTITIES

| PAY ITEM  | UNIT | QNTY. |
|---|------|-------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION                           | EACH | 1     |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.                                  | EACH | 2     |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.                                  | EACH | 2     |
| RELOCATE EXISTING SIGNAL HEAD   | EACH | 4     |
| MODIFY EXISTING CONTROLLER CABINET  | EACH | 1     |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                                      | EACH | 1     |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL   | EACH | 1     |
| SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT | EACH | 2     |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT                | EACH | 3     |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT               | EACH | 1     |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT               | EACH | 2     |
| SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT                | EACH | 2     |

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

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS |           |                 |     |             | TOTAL WATTAGE |
|--|-----------|-----------------|-----|-------------|---------------|
| TYPE   | NO. LAMPS | WATTAGE INCAND. | LED | % OPERATION |               |
| SIGNAL (RED)   | 14        |                 | 17  | 0.50        | 119           |
| (YELLOW)   | 14        |                 | 25  | 0.25        | 88            |
| (GREEN)  | 14        |                 | 15  | 0.25        | 53            |
| ARROW  | 8         |                 | 12  | 0.10        | 10            |
| CONTROLLER   | 1         |                 | 100 | 1.00        | 100           |
| TOTAL =  |           |                 |     |             | 370           |

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

CABLE PLAN  
NOT TO SCALE

- REPLACE PAINTED POST WITH 14 FT. POST, RE-USE EXISTING TYPE A FOUNDATION AND RELOCATE EXISTING SIGNAL HEAD
- REPLACE PAINTED POST WITH 16 FT. POST, RE-USE EXISTING TYPE A FOUNDATION AND RELOCATE EXISTING SIGNAL HEAD

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



|                             |                   |           |
|-----------------------------|-------------------|-----------|
| USER NAME = jrt             | DESIGNED - BRD    | REVISED - |
| PLOT SCALE = 40.0000' / in. | DRAWN - JRT       | REVISED - |
| PLOT DATE = 12/2/2013       | CHECKED - JJE     | REVISED - |
|                             | DATE - 12/02/2013 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES  
IL ROUTE 21 (MILWAUKEE AVENUE) AT CASTILLIAN COURT /ZENITH DRIVE

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           | 2013-055TS | COOK   | 73           | 22        |
| CONTRACT NO. 60X16        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |

TS 2055  
GLENVIEW