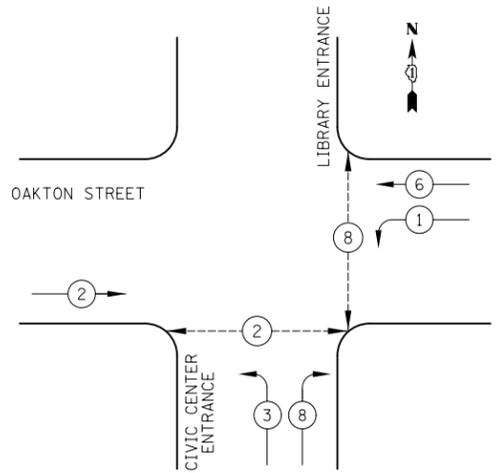
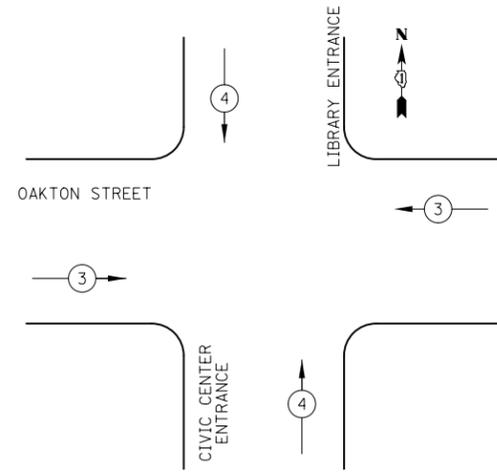


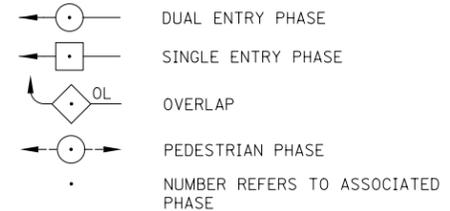
CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

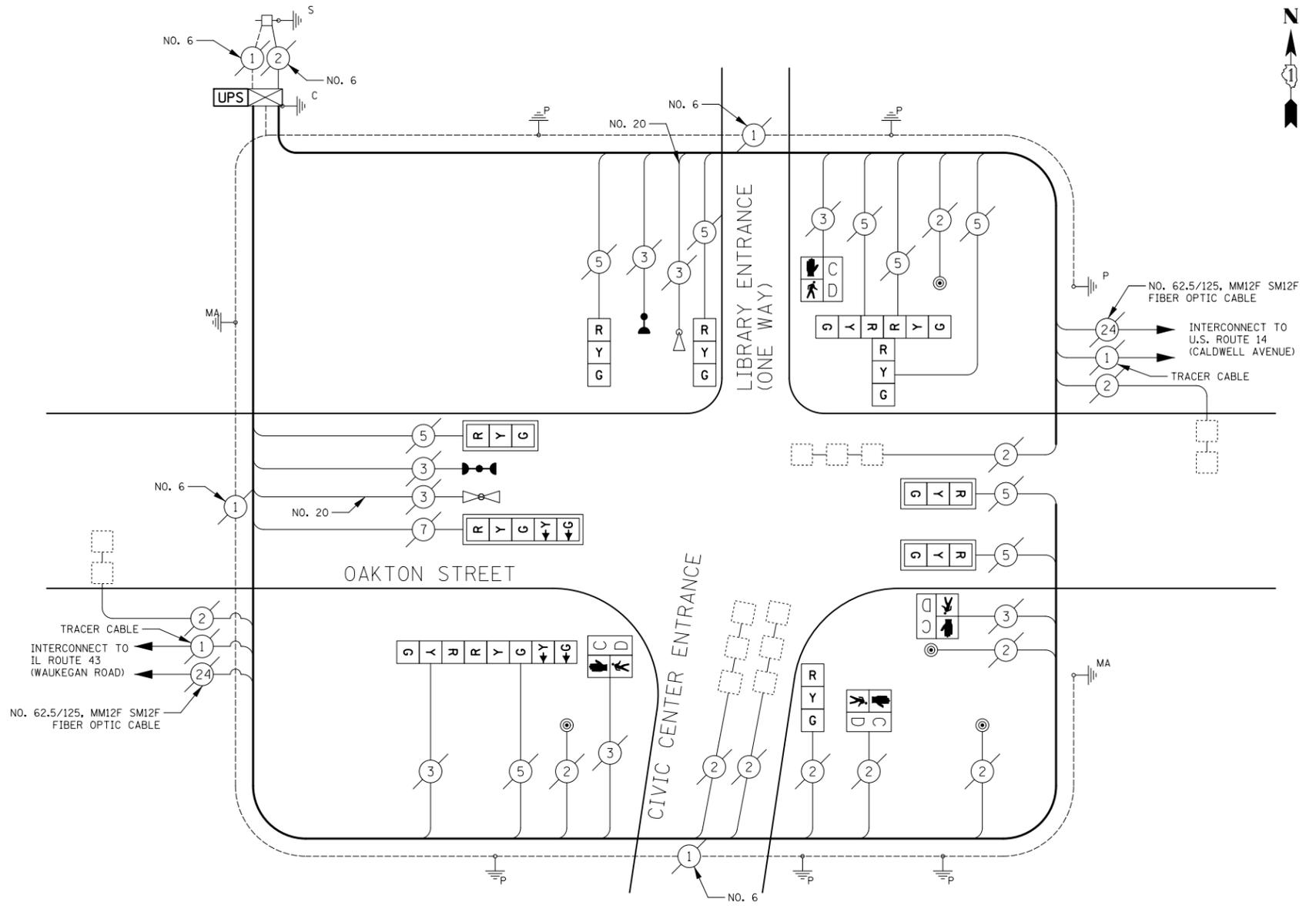


| EMERGENCY VEHICLE PREEMPTORS |     |     |
|------------------------------|-----|-----|
| EMERGENCY VEHICLE PREEMPTOR  | 3   | 4   |
| MOVEMENT                     | ← → | ↑ ↓ |

PHASE DESIGNATION DIAGRAM

NOTES

- REPLACEMENT OF THE EXISTING CONFIRMATION BEACON WITH NEW LED CONFIRMATION BEACONS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, SPECIAL".



CABLE PLAN  
NOT TO SCALE

SCHEDULE OF QUANTITIES

| PAY ITEM  | UNIT | QNTY. |
|---|------|-------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION                           | EACH | 1     |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER     | EACH | 4     |
| PEDESTRIAN PUSH-BUTTON  | 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 | 1     |
| SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT                | EACH | 1     |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT                | EACH | 3     |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT               | EACH | 3     |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT               | EACH | 1     |

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 PEDESTRIAN PUSH-BUTTON
- 4 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE

| I.D.O.T.<br>TRAFFIC SIGNAL INSTALLATION<br>ELECTRICAL SERVICE REQUIREMENTS |           |                    |     |             | TOTAL<br>WATTAGE |
|--|-----------|--------------------|-----|-------------|------------------|
| TYPE   | NO. LAMPS | WATTAGE<br>INCAND. | LED | % OPERATION |                  |
| SIGNAL (RED)   | 12        |                    | 17  | 0.50        | 102              |
| (YELLOW)   | 12        |                    | 25  | 0.25        | 75               |
| (GREEN)  | 12        |                    | 15  | 0.25        | 45               |
| ARROW  | 4         |                    | 12  | 0.10        | 5                |
| PED. SIGNAL  | 4         |                    | 25  | 1.00        | 100              |
| CONTROLLER   | 1         |                    | 100 | 1.00        | 100              |
| TOTAL =  |           |                    |     |             | 427              |

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

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

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

TS 2087  
NILES



|                             |                   |           |
|-----------------------------|-------------------|-----------|
| 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  
OAKTON STREET AT NILES CIVIC CENTER PLAZA

NOT TO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

|                           |            |        |              |           |
|---------------------------|------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           | 2013-055TS | COOK   | 73           | 57        |
| CONTRACT NO. 60X16        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |