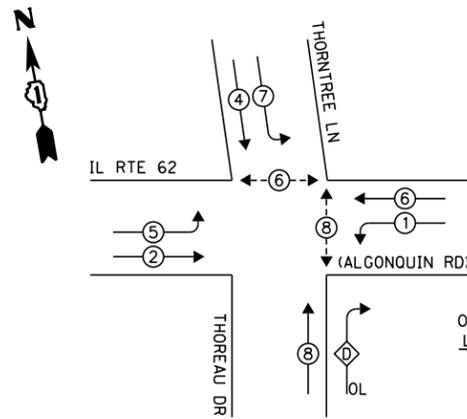


**EXISTING CONTROLLER SEQUENCE**



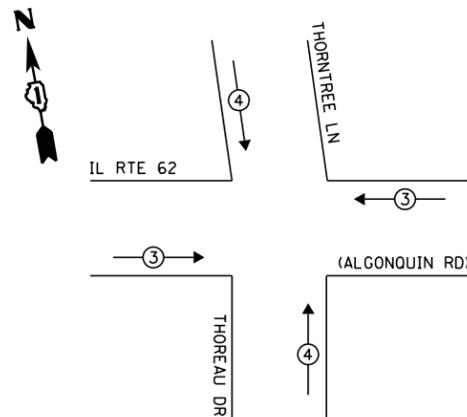
**LEGEND:**

- ◀ ⊠ ▶ SINGLE ENTRY PHASE
- ◀ ⊙ ▶ DUAL ENTRY PHASE
- ◀ ⊙ ▶ PEDESTRIAN PHASE
- ◀ ⊙ ▶ OVERLAP

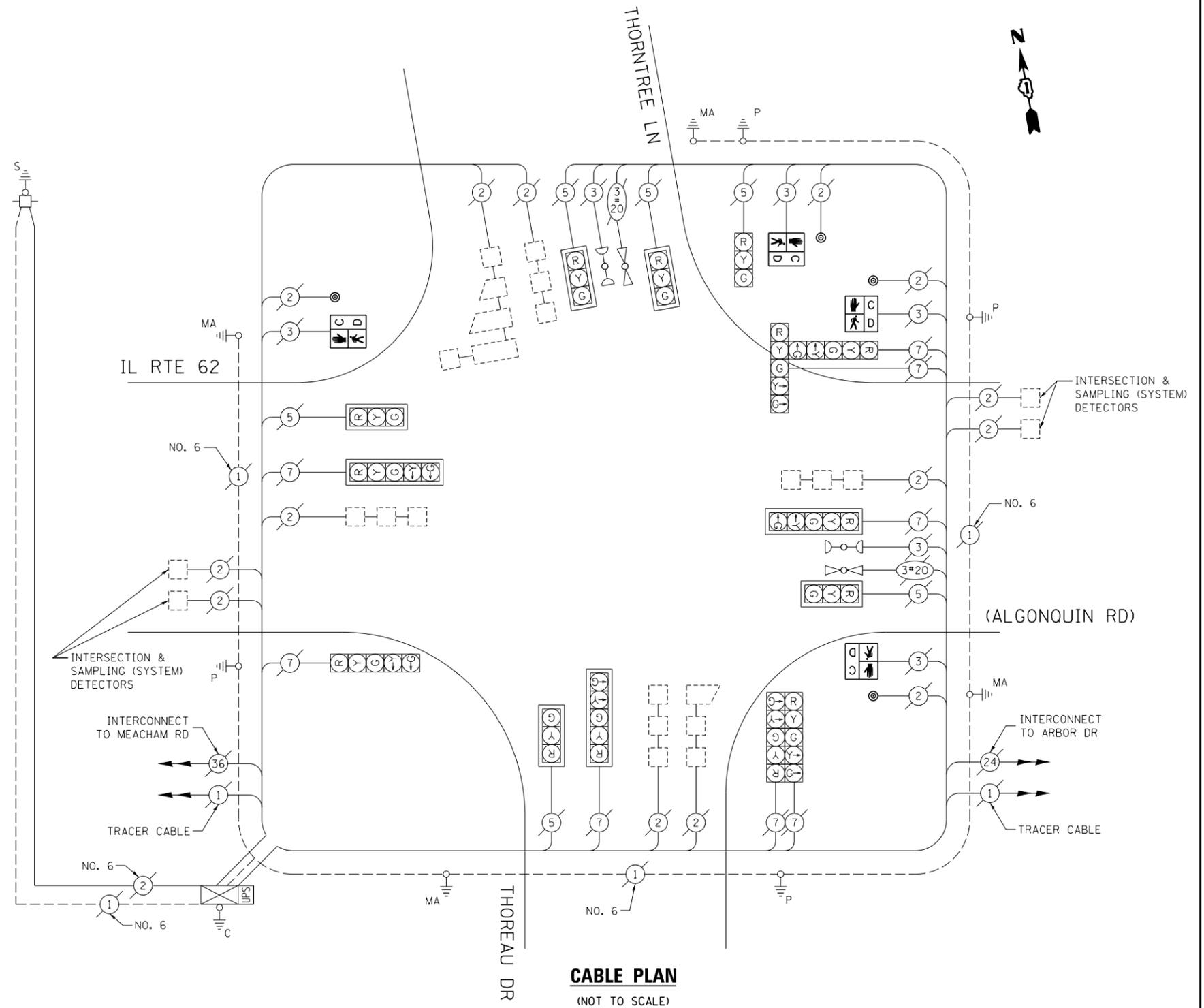
$$\frac{\text{OVERLAP LETTER}}{D} = \frac{\text{PERMISSIVE PHASE}}{8} + \frac{\text{PROTECTED PHASE}}{1}$$

**EXISTING PHASE DESIGNATION DIAGRAM**

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



| EXISTING EMERGENCY VEHICLE PREEMPTORS |   |   |
|---------------------------------------|---|---|
| EMERGENCY VEHICLE PREEMPTOR           | 3 | 4 |
| MOVEMENT                              | — |   |



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

| ITEM DESCRIPTION  | UNIT | TOTAL QTY. |
|---|------|------------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION                     | EACH | 1          |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER | EACH | 4          |
| PEDESTRIAN PUSH-BUTTON  | EACH | 4          |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                                | 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 SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS |              |         |     |             | TOTAL WATTAGE |
|--|--------------|---------|-----|-------------|---------------|
| TYPE   | NO. OF LAMPS | WATTAGE |     | % OPERATION |               |
| SIGNAL (RED)   | 14           | INCAND. | 17  | 0.50        | 119.0         |
| (YELLOW)   | 14           |         | 25  | 0.25        | 87.5          |
| (GREEN)  | 14           |         | 15  | 0.25        | 52.5          |
| ARROW  | 16           |         | 12  | 0.10        | 19.2          |
| PED. SIGNAL  | 4            |         | 25  | 1.00        | 100.0         |
| CONTROLLER   | 1            |         | 100 | 1.00        | 100.0         |
| ILLUM. SIGN  | -            |         | 25  | 0.05        | -             |
| VIDEO SYSTEM   | -            |         | 150 | 1.00        | -             |
| FLASHER  |              |         |     | 0.50        |               |
| ENERGY COSTS TO:   | TOTAL =      |         |     |             | 478.2         |

VILLAGE OF SCHAUMBURG  
101 SCHAUMBURG COURT  
SCHAUMBURG, IL 60193  
ENERGY SUPPLY: CONTACT: DAVE SCHACHT  
PHONE: (630) 437-2129  
COMPANY: COMMONWEALTH EDISON

|  |                             |                   |           |
|--|-----------------------------|-------------------|-----------|
| FILE NAME =                                      | USER NAME = pociechal       | DESIGNED - IP     | REVISED - |
| es:\pwork\pociechal\08381174\012314-sh-t-ts2.dgn |                             | DRAWN - IP        | REVISED - |
| Default  | PLOT SCALE = 40.0000' / in. | CHECKED - AW / LP | REVISED - |
|  | PLOT DATE = 5/16/2014       | DATE - 5/15/2014  | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES  
IL RTE 62 (ALGONQUIN RD) AT THORNTREE LN /THOREAU DR

SCALE: SHEET OF SHEETS STA. TO STA.

|                           |            |        |                    |           |
|---------------------------|------------|--------|--------------------|-----------|
| F.A. RTE.                 | SECTION    | COUNTY | TOTAL SHEETS       | SHEET NO. |
| --                        | 2014-008T5 | COOK   | 81                 | 72        |
|                           |            |        | CONTRACT NO. 60X83 |           |
| ILLINOIS FED. AID PROJECT |            |        |                    |           |

TS 14765