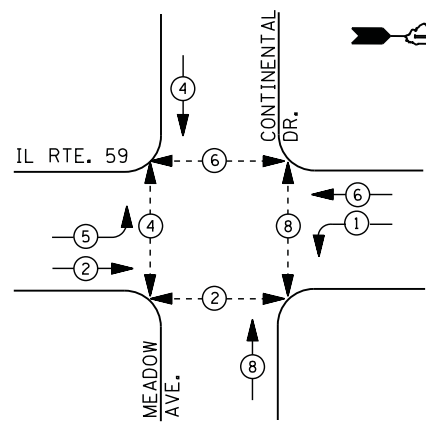


**CONTROLLER SEQUENCE**

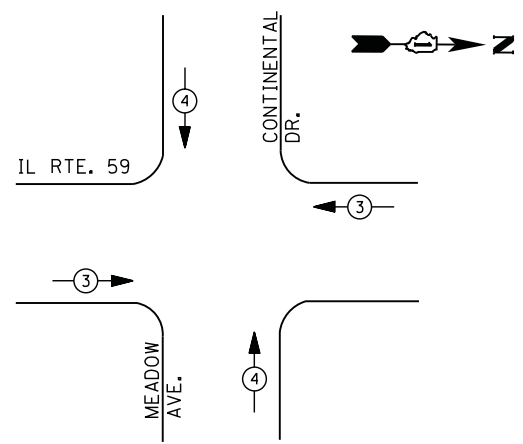


**LEGEND**

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- \* NUMBER REFERS TO ASSOCIATED PHASE

- ① REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- ② REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- ③ REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- ④ REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

**PHASE DESIGNATION DIAGRAM**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

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

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

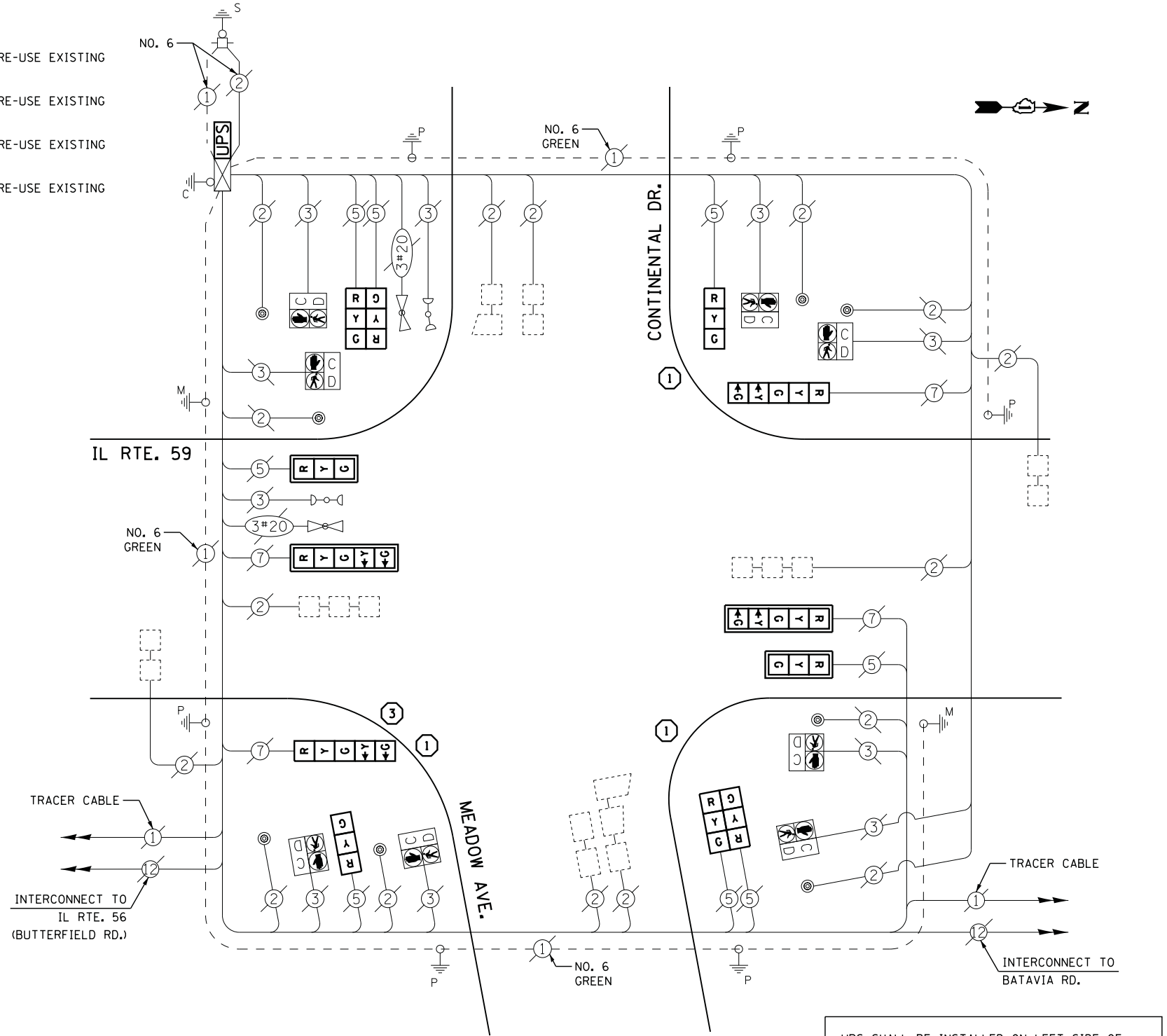
| TYPE         | NO. LAMPS | WATTAGE |     | % OPERATIONS | TOTAL WATTAGE |
|--------------|-----------|---------|-----|--------------|---------------|
|              |           | INCAND. | LED |              |               |
| SIGNAL (RED) | 12        | 135     | 17  | 0.50         | 102           |
| (YELLOW)     | 12        | 135     | 25  | 0.25         | 75            |
| (GREEN)      | 12        | 135     | 15  | 0.25         | 45            |
| ARROW        | 8         | 135     | 12  | 0.10         | 10            |
| PED. SIGNAL  | 4         | 90      | 25  | 1.00         | 100           |
| CONTROLLER   | 1         | 100     | 100 | 1.00         | 100           |
| ILLUM. SIGN  |           | 252     | 25  | 0.05         | --            |
| VIDEO SYSTEM |           | 150     | -   | 1.00         | --            |
| TOTAL =      |           |         |     |              | 432           |

ENERGY COSTS- BILLED TO: CITY OF WARRENVILLE  
 35258 MANNING AVENUE  
 WARRENVILLE, ILLINOIS 60555

ENERGY SUPPLY - CONTACT JOE STACHO  
 PHONE 630-424-5704  
 COMMONWEALTH EDISON

**SCHEDULE OF QUANTITIES**

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



**CABLE PLAN**

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER

**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.
- 4 EACH SIGNAL HEAD, 1 - FACE, 3 - SECTION
  - 4 EACH SIGNAL HEAD, 1 - FACE, 5 - SECTION
  - 2 EACH SIGNAL HEAD, 2 - FACE, 2-3 SECTION
  - 4 EACH TRAFFIC SIGNAL BACKPLATE
  - 4 EACH SIGNAL POST

|  |                        |               |           |
|--|------------------------|---------------|-----------|
| FILE NAME =  | USER NAME = \$USER\$   | DESIGNED - DW | REVISED - |
| N:\Projects\312062\DesignCAD\Sheet Files\6395_CAB_DUPAGE.dgn |                        | DRAWN - JDH   | REVISED - |
|  | PLOT SCALE = \$SCALE\$ | CHECKED - KMM | REVISED - |
|  | PLOT DATE = 2/5/2013   | DATE -        | REVISED - |

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 59 AT MEADOW AVENUE/CONTINENTAL DRIVE**  
 SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

|                    |            |        |                           |           |
|--------------------|------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION    | COUNTY | TOTAL SHEETS              | SHEET NO. |
|                    | 2012-082TS | DUPAGE | 88                        | 68        |
| CONTRACT NO. 60W00 |            |        | ILLINOIS FED. AID PROJECT |           |

TS# 6395 WARRENVILLE