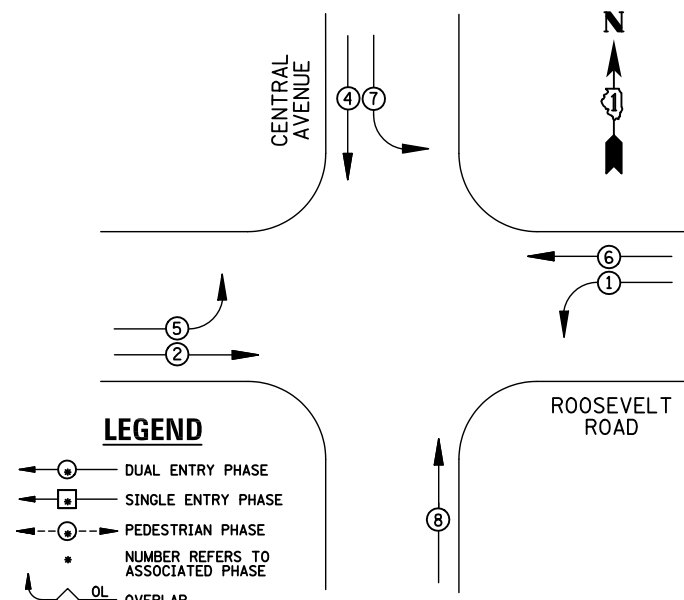
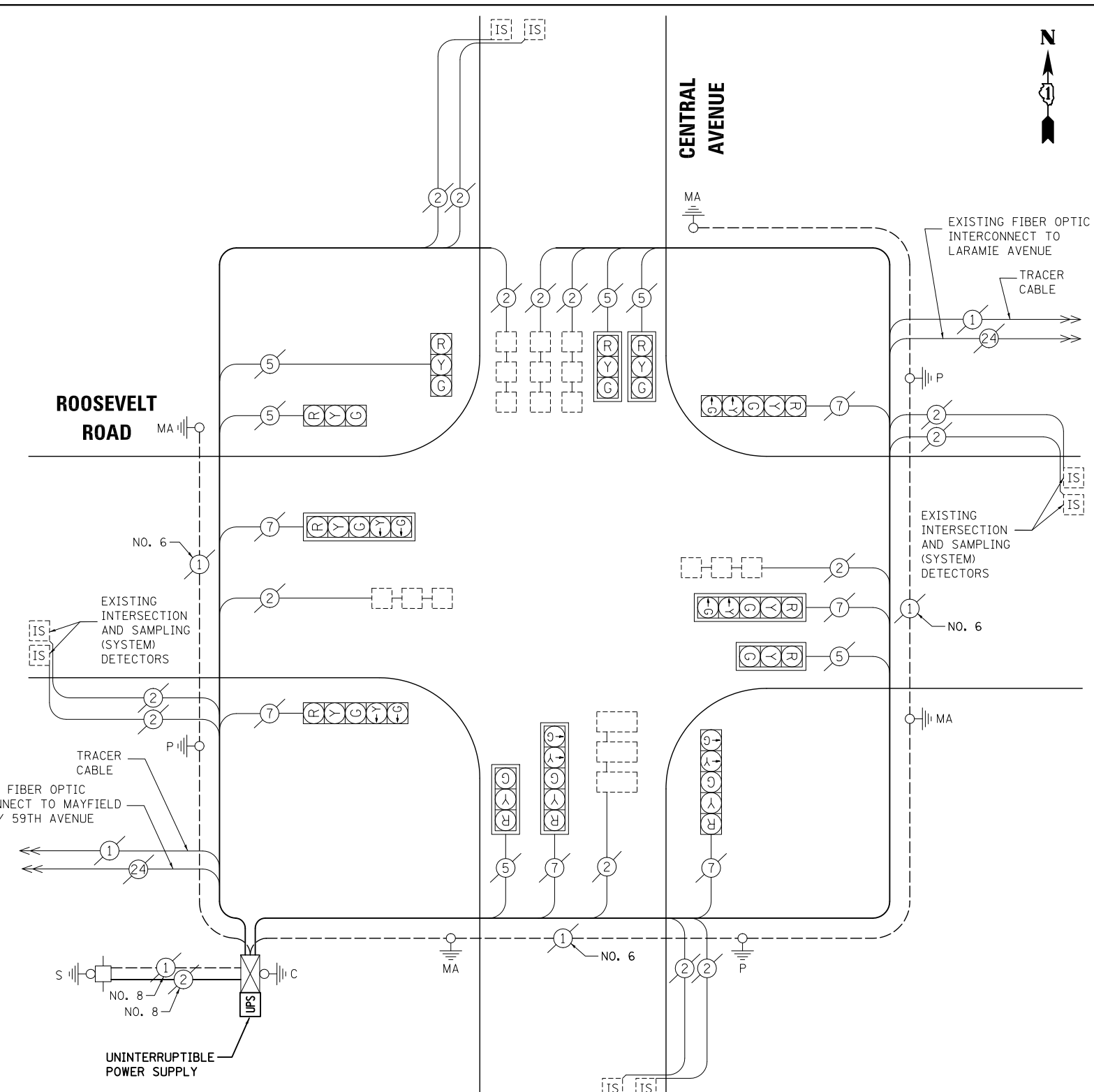


**EXISTING CONTROLLER SEQUENCE**



**EXISTING PHASE DESIGNATION DIAGRAM**



**CABLE PLAN**

| I.D.O.T<br>TRAFFIC SIGNAL INSTALLATION<br>ELECTRICAL SERVICE REQUIREMENTS                                       |            |         |     |            |                       |
|---|------------|---------|-----|------------|-----------------------|
| TYPE  | NO. LAMPS  | WATTAGE |     | %OPERATION | 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   | 10         | 135     | 12  | 0.10       | 12                    |
| PED. SIGNAL   |            | 90      | 25  | 1.00       |                       |
| CONTROLLER  | 1          | 100     | 100 | 1.00       | 100                   |
| ILLUM. SIGN   |            | 84      | 100 | 0.50       |                       |
| FLASHER   |            | 135     | 25  | 0.50       |                       |
| ENERGY COSTS TO:<br>ILLINOIS DEPARTMENT OF TRANSPORTATION<br>201 WEST CENTER COURT<br>SCHAUMBURG, IL 60196-1096 |            |         |     |            | TOTAL =<br><b>334</b> |
| ENERGY SUPPLY   | CONTACT: X |         |     |            |                       |
|   | PHONE: X   |         |     |            |                       |
|   | COMPANY: X |         |     |            |                       |

**SCHEDULE OF QUANTITIES**

| ITEM  | UNIT | QUANTITY |
|---|------|----------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1        |
| MODIFY EXISTING CONTROLLER CABINET                  | EACH | 1        |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL               | EACH | 1        |

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

FILE NAME = \MICROST\352108\45-4760.DGN  
USER NAME = JGC  
DESIGNED - BPT  
DRAWN - JGC/RDS  
PLOT SCALE = NOT TO SCALE  
PLOT DATE = X

REVISIONS:  
REVISED -  
REVISED -  
CHECKED - BPT  
DATE - 12-04-13

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN  
AND PHASE DESIGNATION DIAGRAM  
ROOSEVELT ROAD AT CENTRAL AVENUE**

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

PREPARED BY:  
**CEMCON, Ltd.**  
Consulting Engineers, Land Surveyors & Planners  
2280 White Oak Circle, Suite 100  
Aurora, Illinois 60504-9675  
Ph: 630.862.2100 Fax: 630.862.2199  
E-Mail: cadd@cemcon.com Website: www.cemcon.com

| F.A.P. RTE.        | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------|--------|--------------|-----------|
| VAR.               | 2013-054TS | COOK   | 92           | 57        |
| CONTRACT NO. 60X29 |            |        |              |           |

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

TS# 4760  
CICERO