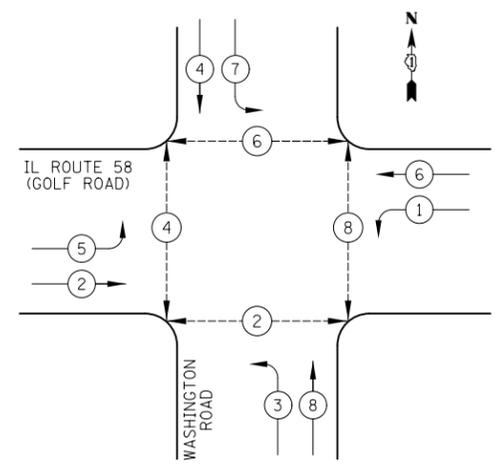
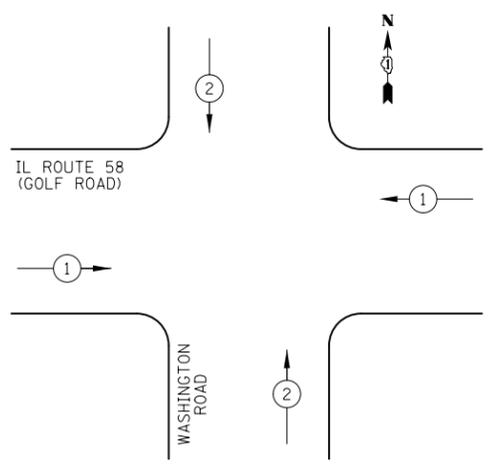


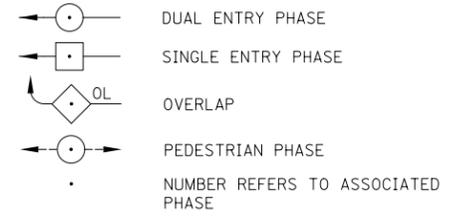
CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND



| EMERGENCY VEHICLE PREEMPTORS |     |     |
|------------------------------|-----|-----|
| EMERGENCY VEHICLE PREEMPTOR  | 1   | 2   |
| MOVEMENT                     | ← → | ↑ ↓ |

PHASE DESIGNATION DIAGRAM

NOTE:

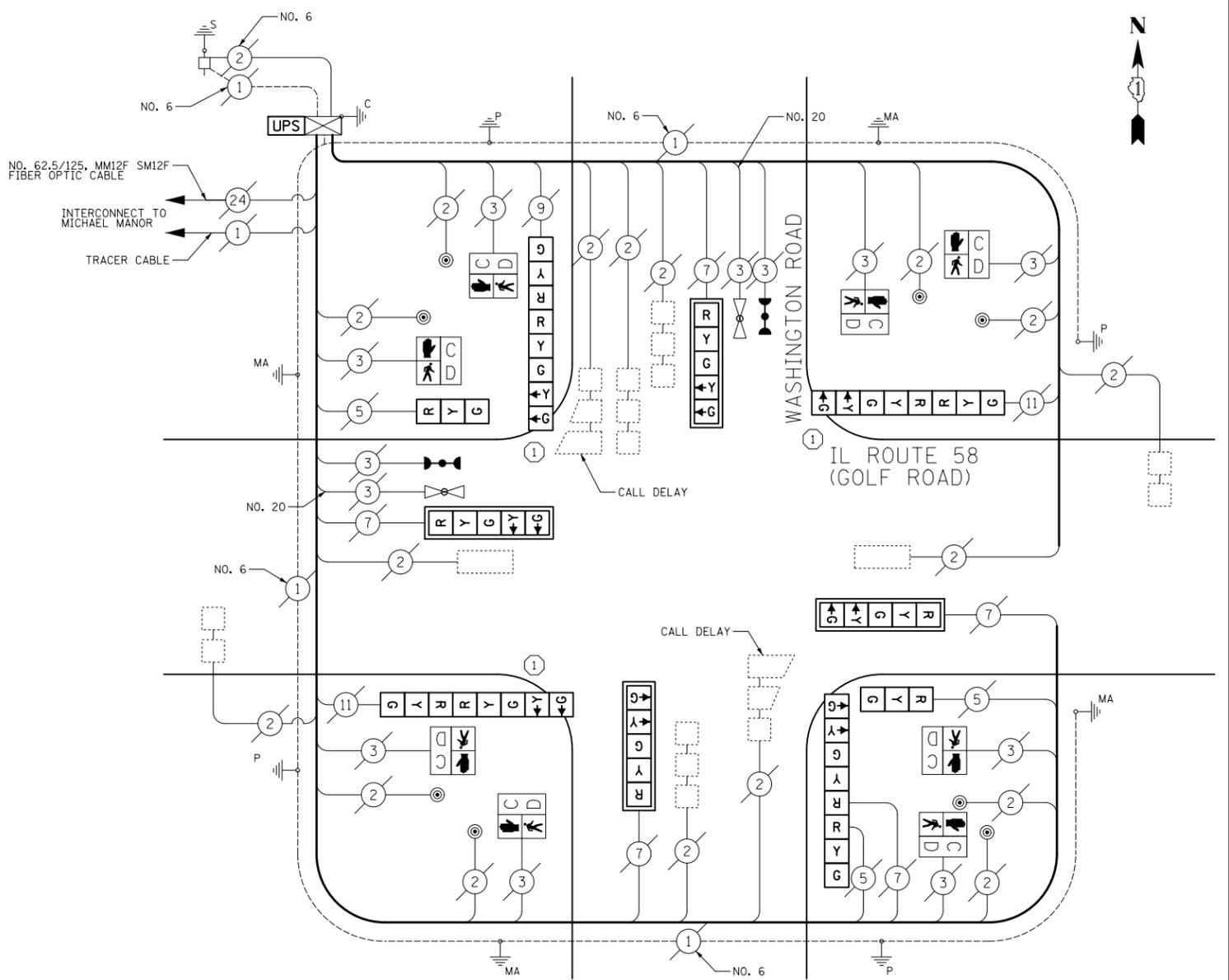
1. REPLACEMENT OF THE EXISTING CONFIRMATION BEACONS WITH NEW LED CONFIRMATION BEACONS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, SPECIAL".

SCHEDULE OF QUANTITIES

| PAY ITEM  | UNIT | QNTY. |
|---|------|-------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION                       | EACH | 1     |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.                              | EACH | 3     |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED                      | EACH | 2     |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED                     | EACH | 4     |
| SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED       | EACH | 4     |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 8     |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM                              | EACH | 4     |
| PEDESTRIAN PUSH-BUTTON  | EACH | 8     |
| MODIFY EXISTING CONTROLLER CABINET  | EACH | 1     |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                                  | EACH | 1     |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL                                     | 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.

3 EACH TRAFFIC SIGNAL POST  
 2 EACH SIGNAL HEAD, 1-FACE, 3-SECTION  
 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION  
 4 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION  
 4 EACH TRAFFIC SIGNAL BACKPLATE  
 8 EACH PEDESTRIAN PUSH-BUTTON  
 8 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE



CABLE PLAN  
NOT TO SCALE

1. REPLACE PAINTED POST WITH 16 FT. POST, RE-USE EXISTING TYPE A FOUNDATION

| I.D.O.T.<br>TRAFFIC SIGNAL INSTALLATION<br>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  | 16        |                 | 12  | 0.10        | 19            |
| PED. SIGNAL  | 8         |                 | 25  | 1.00        | 200           |
| CONTROLLER   | 1         |                 | 100 | 1.00        | 100           |
| TOTAL =  |           |                 |     |             | 579           |

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

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

TS 2850  
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  
IL ROUTE 58 (GOLF ROAD) AT WASHINGTON ROAD

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           | 54        |
| CONTRACT NO. 60X16        |            |        |              |           |
| ILLINOIS FED. AID PROJECT |            |        |              |           |