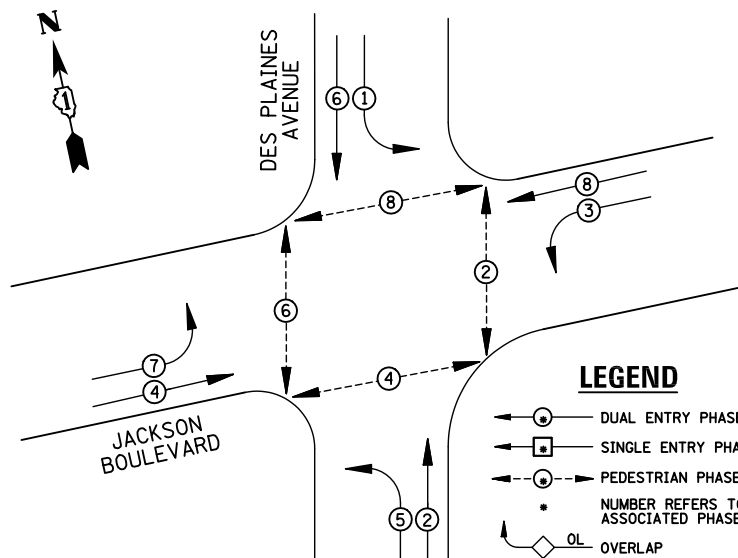


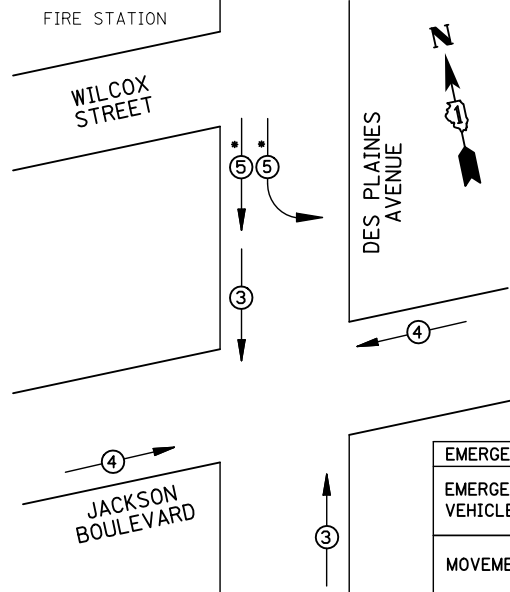
**EXISTING CONTROLLER SEQUENCE**



**LEGEND**

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- ◇ OL OVERLAP

**EXISTING PHASE DESIGNATION DIAGRAM**



**NOTE:**

EMERGENCY VEHICLE PREEMPTOR 5 SHALL ONLY BE ACTIVATED BY THE EXISTING FIRE STATION PUSH-BUTTON AND WILL INITIATE AN ALL-RED CLEARANCE PHASE FOLLOWED BY A GREEN BALL, GREEN ARROW FOR ONLY SOUTHBOUND TRAFFIC AT JACKSON BOULEVARD.

| EMERGENCY VEHICLE PREEMPTORS |   |   |    |  |
|------------------------------|---|---|----|--|
| EMERGENCY VEHICLE PREEMPTOR  | 3 | 4 | 5* |  |
| MOVEMENT                     | ↑ | ← | ↓  |  |

**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.

- 8 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON

**NOTE:**

PUSH-BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.  
 PUSH-BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.  
 PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.  
 PUSH-BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

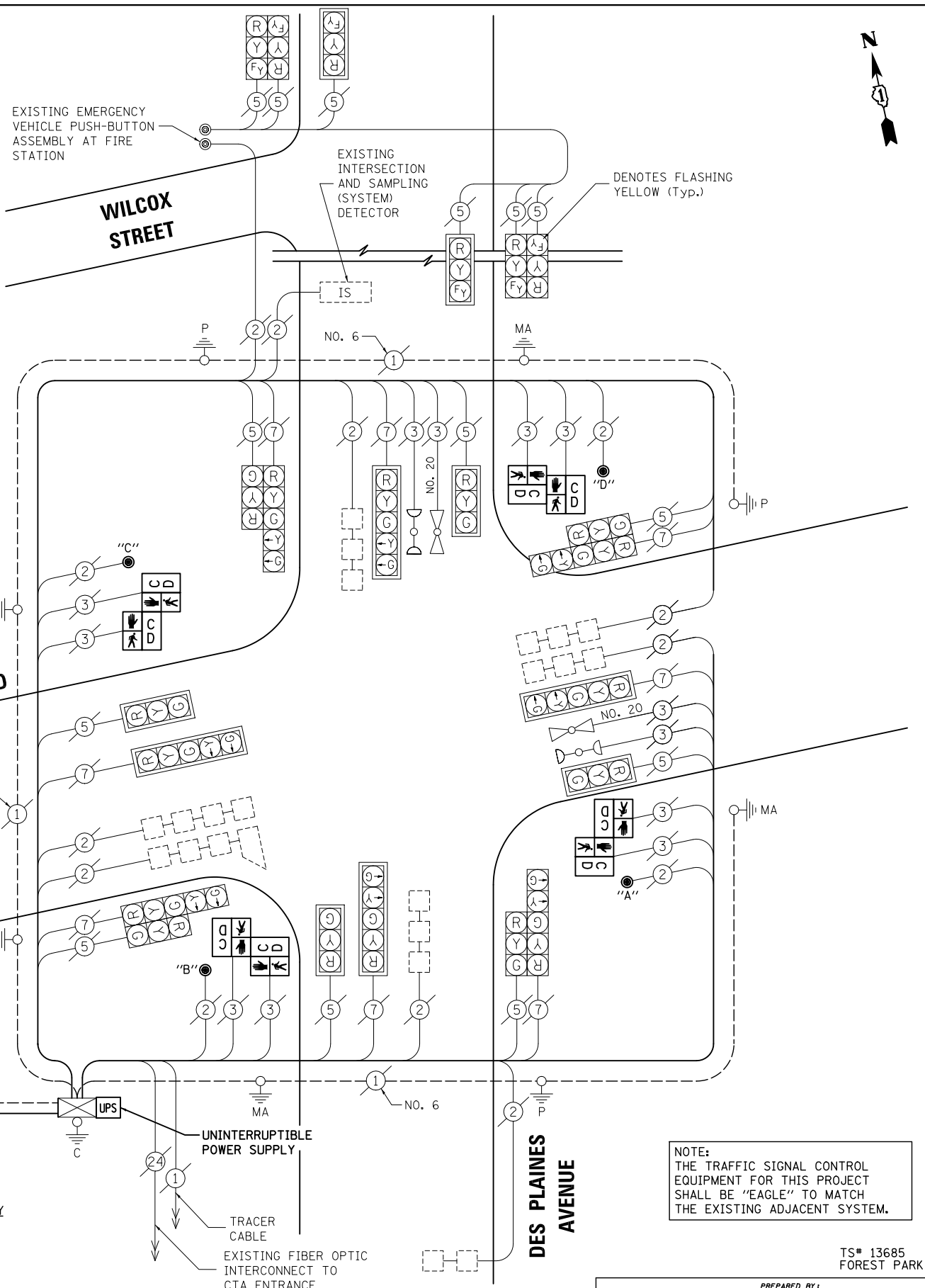
**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS   |            |         |     |            |                |
|--|------------|---------|-----|------------|----------------|
| TYPE   | NO. LAMPS  | WATTAGE |     | %OPERATION | TOTAL WATTAGE  |
|  |            | INCAND. | LED |            |                |
| SIGNAL (RED)   | 16         | 135     | 17  | 0.50       | 136            |
| (YELLOW)   | 16         | 135     | 25  | 0.25       | 100            |
| (GREEN)  | 16         | 135     | 15  | 0.25       | 60             |
| ARROW  | 16         | 135     | 12  | 0.10       | 19.2           |
| PED. SIGNAL  | 8          | 90      | 25  | 1.00       | 200            |
| CONTROLLER   | 1          | 100     | 100 | 1.00       | 100            |
| ILLUM. SIGN  |            | 84      | 100 | 0.50       |                |
| RED  | 6          |         | 17  | 0.01       | 1.02           |
| YELLOW   | 6          |         | 25  | 0.01       | 1.50           |
| FLASHER  | 6          | 135     | 25  | 0.50       | 75             |
| ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION<br>201 WEST CENTER COURT<br>SCHAUMBURG, IL 60196-1096 |            |         |     |            | TOTAL = 602.72 |
| ENERGY SUPPLY  | CONTACT: X |         |     |            |                |
|  | PHONE: X   |         |     |            |                |
|  | COMPANY: X |         |     |            |                |

**SCHEDULE OF QUANTITIES**

| ITEM  | UNIT | QUANTITY |
|---|------|----------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION                       | EACH | 1        |
| PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 4        |
| MODIFY EXISTING CONTROLLER CABINET  | EACH | 1        |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                                  | EACH | 1        |
| UNINTERRUPTIBLE POWER SUPPLY, SPECIAL                                     | EACH | 1        |
| PEDESTRIAN PUSH-BUTTON, NON-LATCHING                                      | EACH | 4        |

| UNIT | QUANTITY |
|------|----------|
| EACH | 1        |
| EACH | 4        |
| EACH | 1        |
| EACH | 1        |
| EACH | 1        |
| EACH | 4        |



**CABLE PLAN**

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

TS# 13685  
 FOREST PARK

PREPARED BY:  
**CEMCON, Ltd.**  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN,  
 PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION  
 DES PLAINES AVENUE AT JACKSON BOULEVARD**

| F.A.P. RTE. | SECTION    | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|------------|--------|--------------|-----------|
| VAR.        | 2013-054TS | COOK   | 92           | 80        |

CONTRACT NO. 60X29

|  |                           |                 |           |
|--|---------------------------|-----------------|-----------|
| FILE NAME = \MICROST\352108\74-13685.DGN | USER NAME = JGC           | DESIGNED - BPT  | REVISED - |
|  |                           | DRAWN - JGC/RDS | REVISED - |
|  | PLOT SCALE = NOT TO SCALE | CHECKED - BPT   | REVISED - |
|  | PLOT DATE = X             | DATE - 12-04-13 | REVISED - |

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT