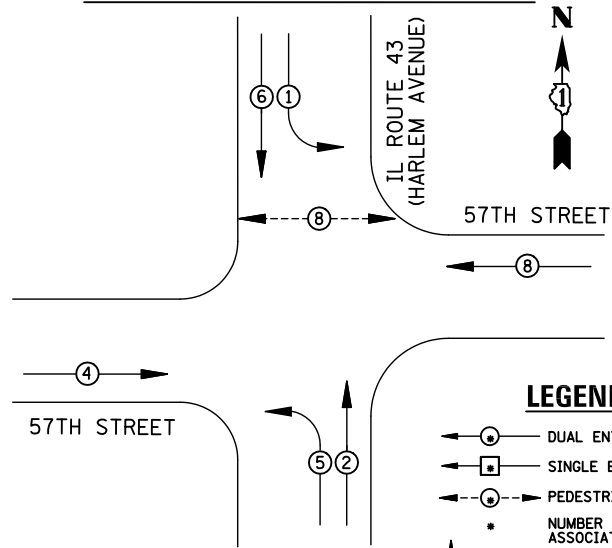


EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

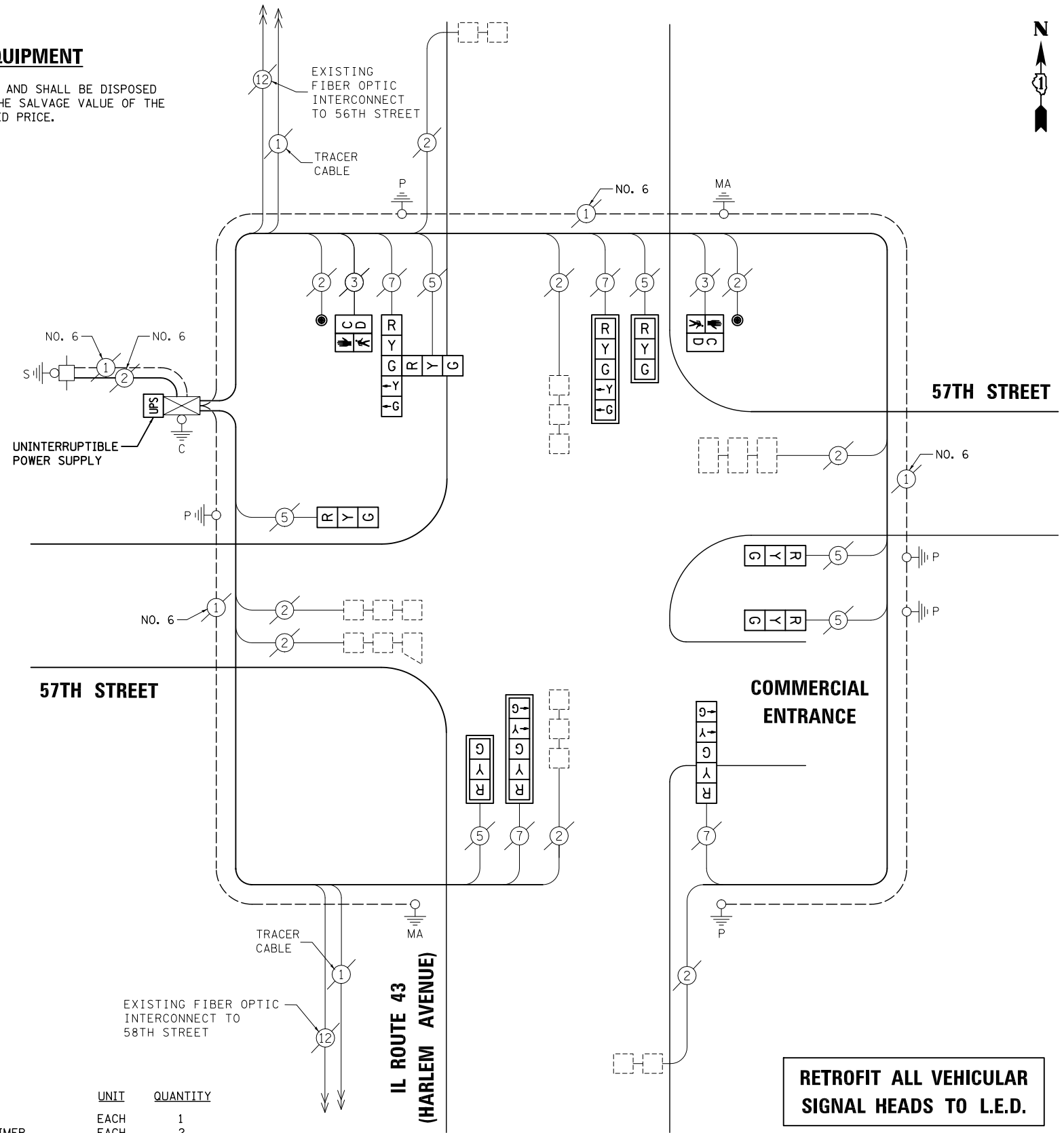
LEGEND

- ◀ ○ ▶ DUAL ENTRY PHASE
- ◀ □ ▶ SINGLE ENTRY PHASE
- ◀ ○ ▶ PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- ◀ OL ▶ OVERLAP

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.

- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH-BUTTON



CABLE PLAN

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

RETROFIT ALL VEHICULAR SIGNAL HEADS TO L.E.D.

SCHEDULE OF QUANTITIES

| ITEM | UNIT | QUANTITY |
|---|------|----------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 2 |
| PEDESTRIAN PUSH-BUTTON | EACH | 2 |
| MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| UNINTERRUPTIBLE POWER SUPPLY, SPECIAL | EACH | 1 |
| SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT | EACH | 1 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT | EACH | 3 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT | EACH | 2 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT | EACH | 2 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT | EACH | 1 |

| I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL WATTAGE |
|--|------------|-----------------|-----|------------|---------------|
| TYPE | NO. LAMPS | WATTAGE INCAND. | LED | %OPERATION | |
| SIGNAL (RED) | 10 | 135 | 17 | 0.50 | 85 |
| (YELLOW) | 10 | 135 | 25 | 0.25 | 62.5 |
| (GREEN) | 10 | 135 | 15 | 0.25 | 37.5 |
| ARROW | 8 | 135 | 12 | 0.10 | 9.6 |
| PED. SIGNAL | 2 | 90 | 25 | 1.00 | 50 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096 | | | | | TOTAL = 344.6 |
| ENERGY SUPPLY | CONTACT: X | | | | |
| | PHONE: X | | | | |
| | COMPANY: X | | | | |

| | | | |
|---|---------------------------|-----------------|-----------|
| FILE NAME = \MICROST\352107\31-2140.DGN | USER NAME = JGC | DESIGNED - BPT | REVISED - |
| | | DRAWN - JGC/RDS | REVISED - |
| | PLOT SCALE = NOT TO SCALE | CHECKED - BPT | REVISED - |
| | PLOT DATE = X | DATE - XX-XX-13 | REVISED - |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM | | | |
|--|-----------|-----------|--------------|
| IL ROUTE 43 (HARLEM AVENUE) AT 57TH STREET | | | |
| SCALE: N.T.S. | SHEET NO. | OF SHEETS | STA. TO STA. |

PREPARED BY:
CEMCON, Ltd.
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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. | 2013-035TS | COOK | 93 | 43 |
| CONTRACT NO. 60W81 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

TS# 2140 SUMMIT