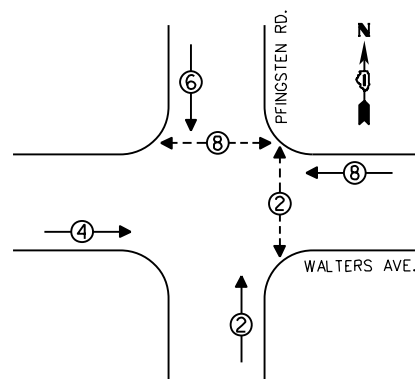


EXISTING CONTROLLER SEQUENCE

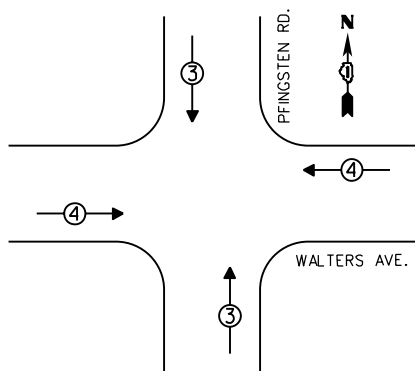


LEGEND
 ⊕ DUAL ENTRY PHASE
 ⊕ PEDESTRIAN PHASE
 * NUMBER REFERS TO ASSOCIATED PHASE

REPLACE ALL EXISTING TRAFFIC SIGNAL HEADS

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

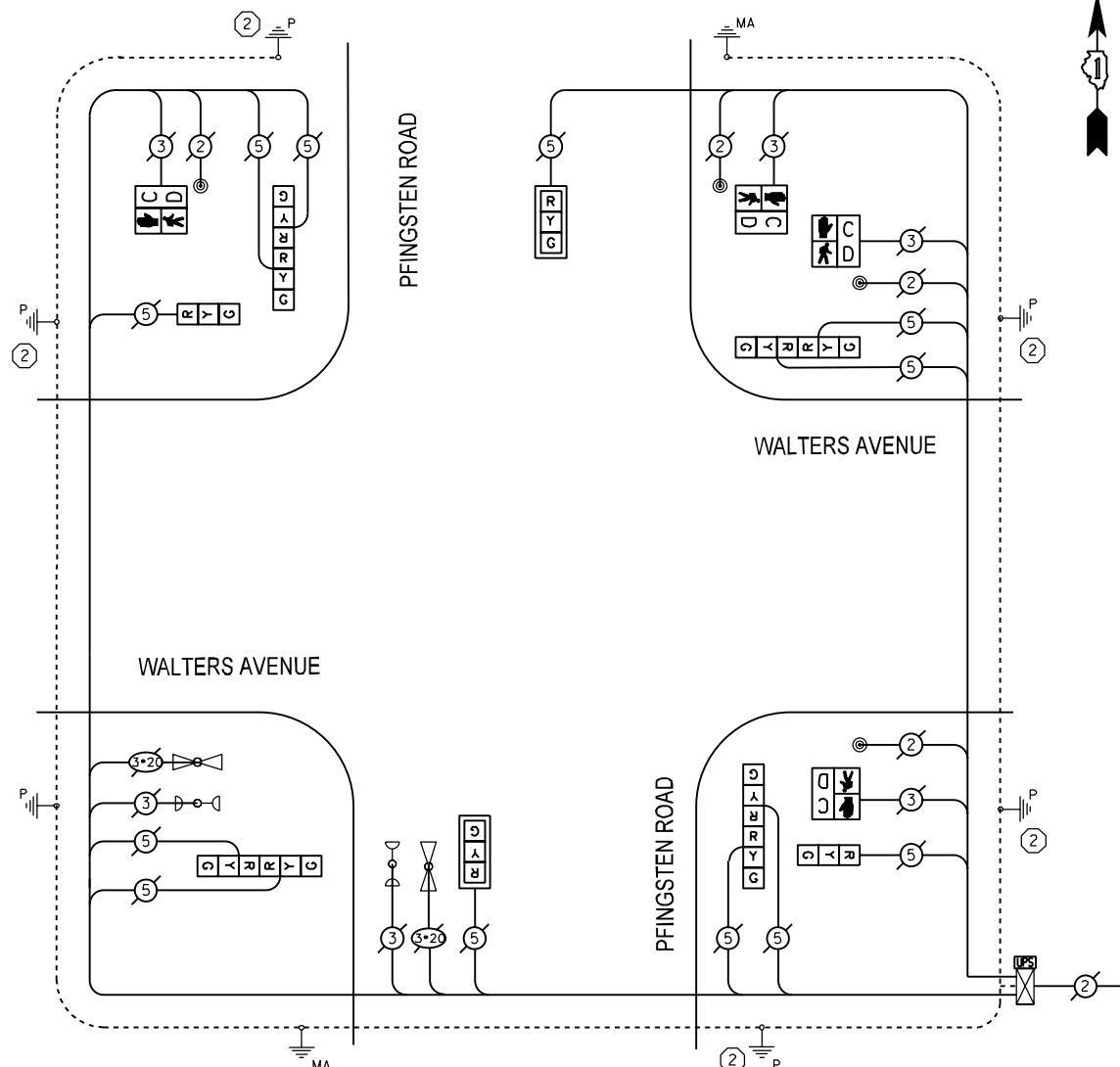
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| QUANTITY | UNIT | DESCRIPTION |
|----------|------|--------------------------------|
| 5 | EACH | TRAFFIC SIGNAL POST |
| 4 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION |
| 4 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE |
| 2 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 4 | EACH | PEDESTRIAN PUSHBUTTON |

SCHEDULE OF QUANTITIES

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

② REPLACE 14 FT. PAINTED POST, RE-USE EXISTING TYPE A CONCRETE FOUNDATION



CABLE PLAN

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

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | |
|--|--------------|--------|------------------|----------------|
| TYPE | NO. OF LAMPS | INCAND | LED % OPERATIONS | TOTAL WATTAGE |
| SIGNAL (RED) | 12 | | 0.50 | 102.00 |
| (YELLOW) | 12 | | 0.25 | 75.00 |
| (GREEN) | 12 | | 0.25 | 45.00 |
| ARROW | 0 | | 0.10 | 0.0 |
| PED. SIGNAL | 4 | | 1.00 | 100.00 |
| CONTROLLER | 1 | | 1.00 | 100.00 |
| ENERGY COSTS TO: | | | | TOTAL = 422.00 |
| VILLAGE OF NORTHBROOK 1225 CEDAR LANE NORTHBROOK, IL 60062 | | | | |
| ENERGY SUPPLY - CONTACT: TERRIBLECK PHONE: (847) 816-5239 COMPANY: COMED | | | | |

FILE NAME = P:\2012\ME\2014_P\16162_18_Schwartz\CADD\W06_North.Cook_LED_Shts\60X15-sht-TS-PfingstenRd.WaltersAve.dgn
 USER = JLN
 DATE = 10/22/2013



2600 Warrenville Road, Suite 203, Downers Grove, IL 60515-1761
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 www.mps-il.com
MILLENNIA PROFESSIONAL SERVICES

| | |
|-------------------|-----------|
| DESIGNED - JNP | REVISED - |
| DRAWN - JNP | REVISED - |
| CHECKED - TVN | REVISED - |
| DATE - 10/22/2013 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
PFINGSTEN ROAD AT WALTERS AVENUE**

| | | | | |
|--------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR | D-91-020-14 | COOK | 99 | 84 |
| CONTRACT NO. 60X15 | | | | |