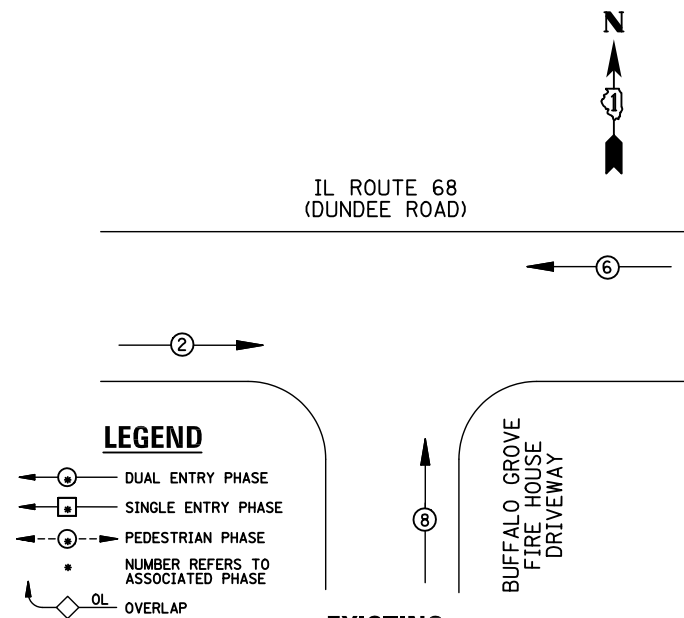
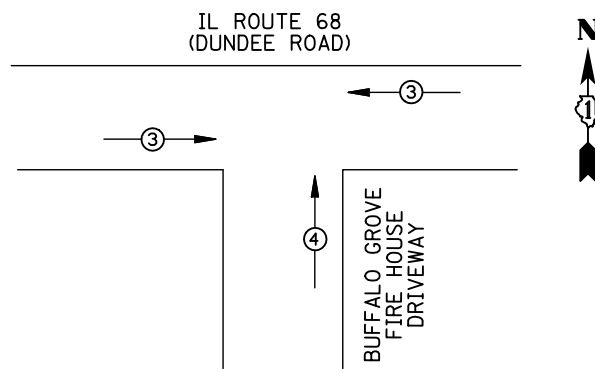


EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM



| EMERGENCY VEHICLE PREEMPTORS | | | |
|------------------------------|-----|---|--|
| EMERGENCY VEHICLE PREEMPTOR | 3 | 4 | |
| MOVEMENT | ← → | ↑ | |

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) | 8 | 135 | 17 | 0.50 | 68 |
| (YELLOW) | 8 | 135 | 25 | 0.25 | 50 |
| (GREEN) | 8 | 135 | 15 | 0.25 | 30 |
| ARROW | | 135 | 12 | 0.10 | |
| PED. SIGNAL | | 90 | 25 | 1.00 | |
| 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 = 248 |
| ENERGY SUPPLY CONTACT: X | | | | | |
| PHONE: X | | | | | |
| COMPANY: X | | | | | |
| FILE NAME = MICROST\352106\ 01-3213.DGN | USER NAME = JGC | DESIGNED - BPT | REVISED - | | |
| | | DRAWN - JGC/RDS | REVISED - | | |
| | | PLOT SCALE = NOT TO SCALE | CHECKED - BPT | REVISED - | |
| | | PLOT DATE = X | DATE - 04-26-13 | REVISED - | |

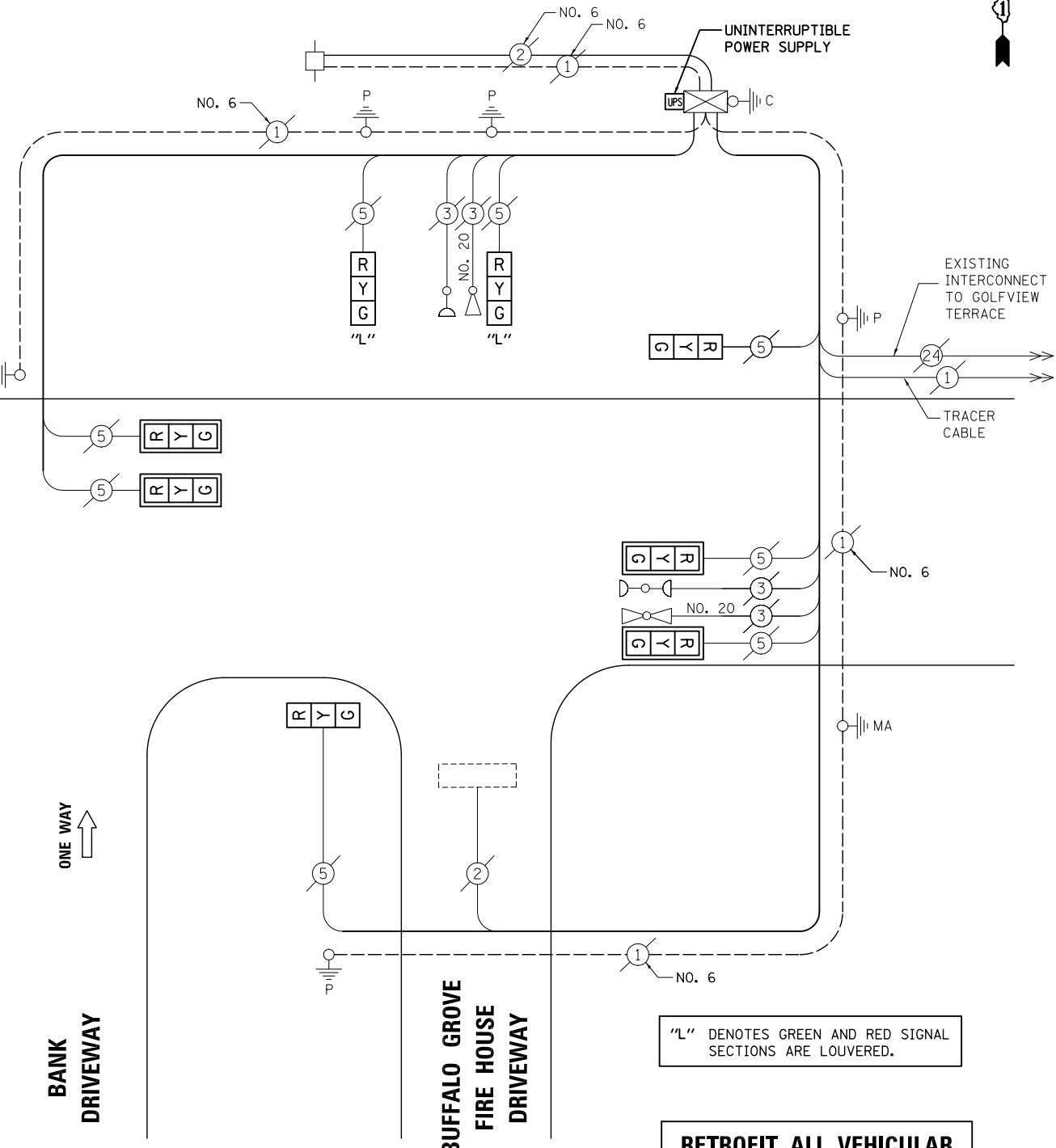
SCHEDULE OF QUANTITIES

| ITEM | UNIT | QUANTITY |
|---|------|----------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 1 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT | EACH | 4 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT | EACH | 4 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN,
PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION
IL ROUTE 68 (DUNDEE ROAD) AT BUFFALO GROVE FIRE HOUSE**

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



"L" DENOTES GREEN AND RED SIGNAL SECTIONS ARE LOUVERED.

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

CABLE PLAN

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

PREPARED BY:
CEMCON, Ltd.
Consulting Engineers, Land Surveyors & Planners
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E-Mail: cadd@cemcon.com Website: www.cemcon.com

| | | | | |
|---|------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR. | 2013-006TS | COOK | 62 | 15 |
| CONTRACT NO. 60W37 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

TS# 3213
BUFFALO GROVE