

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 PROFILE: _____ NOTE BOOK: _____
 STRUCTURE: _____ NOTATIONS: CHKD: _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

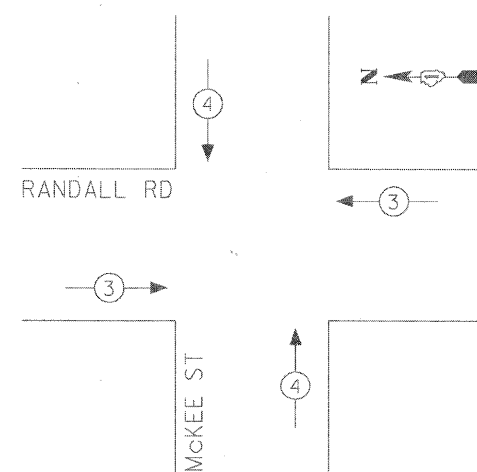
CONSTRUCTION NOTES:

- ① REPLACE EXISTING CONTROLLER AND MALFUNCTION MANAGEMENT UNIT.
- ② ALL EXISTING CONFIRMATION BEACONS SHALL BE RETROFITTED WITH L.E.D. INDICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR THE PAY ITEM: UNINTERRUPTIBLE POWER SUPPLY.
- ③ REPLACE EXISTING FIBER OPTIC INTERCONNECT CENTER PANEL.
- ④ ADD NEW UNINTERRUPTIBLE POWER SUPPLY.
- ⑤ INSTALL NEW 50"x67" PAD FOR UNINTERRUPTIBLE POWER SUPPLY.
- ⑥ ADD NEW GROUNDING.

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	24
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET, SPECIAL	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	8
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	606
TERMINATE FIBER IN CABINET	EACH	6
FIBER OPTIC INTERCONNECT CENTER	EACH	1
SPLICE FIBER IN CABINET	EACH	6
UPS BATTERY BACK-UP CABINET	EACH	1
MALFUNCTION MANAGEMENT UNIT	EACH	1
ETHERNET MANAGED SWITCH, TYPE 1	EACH	1

EMERGENCY VEHICLE PREEMPTION SEQUENCE

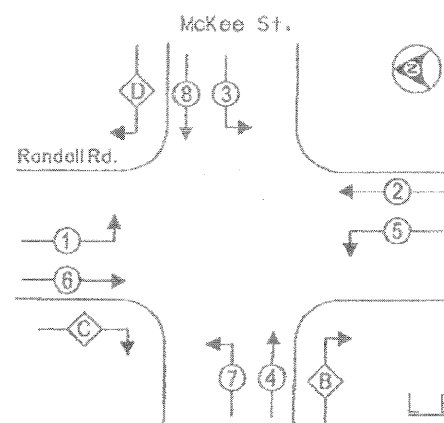


EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

CABLE PLAN LEGEND

- | | | |
|--|--|--|
| | | 8' (200MM) TRAFFIC SIGNAL SECTION |
| | | 12' (300MM) TRAFFIC SIGNAL SECTION |
| | | 12' (300MM) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | MAGNETIC DETECTOR |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PUSHBUTTON DETECTOR |
| | | DENOTES NUMBER OF CONDUCTORS
ALL CABLE NO. 14 EXCEPT AS INDICATED.
ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| | | SIGNAL FACE WITH BACKPLATE
"P" INDICATES PROGRAMMED FIELD |
| | | LUMINAIRE |

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

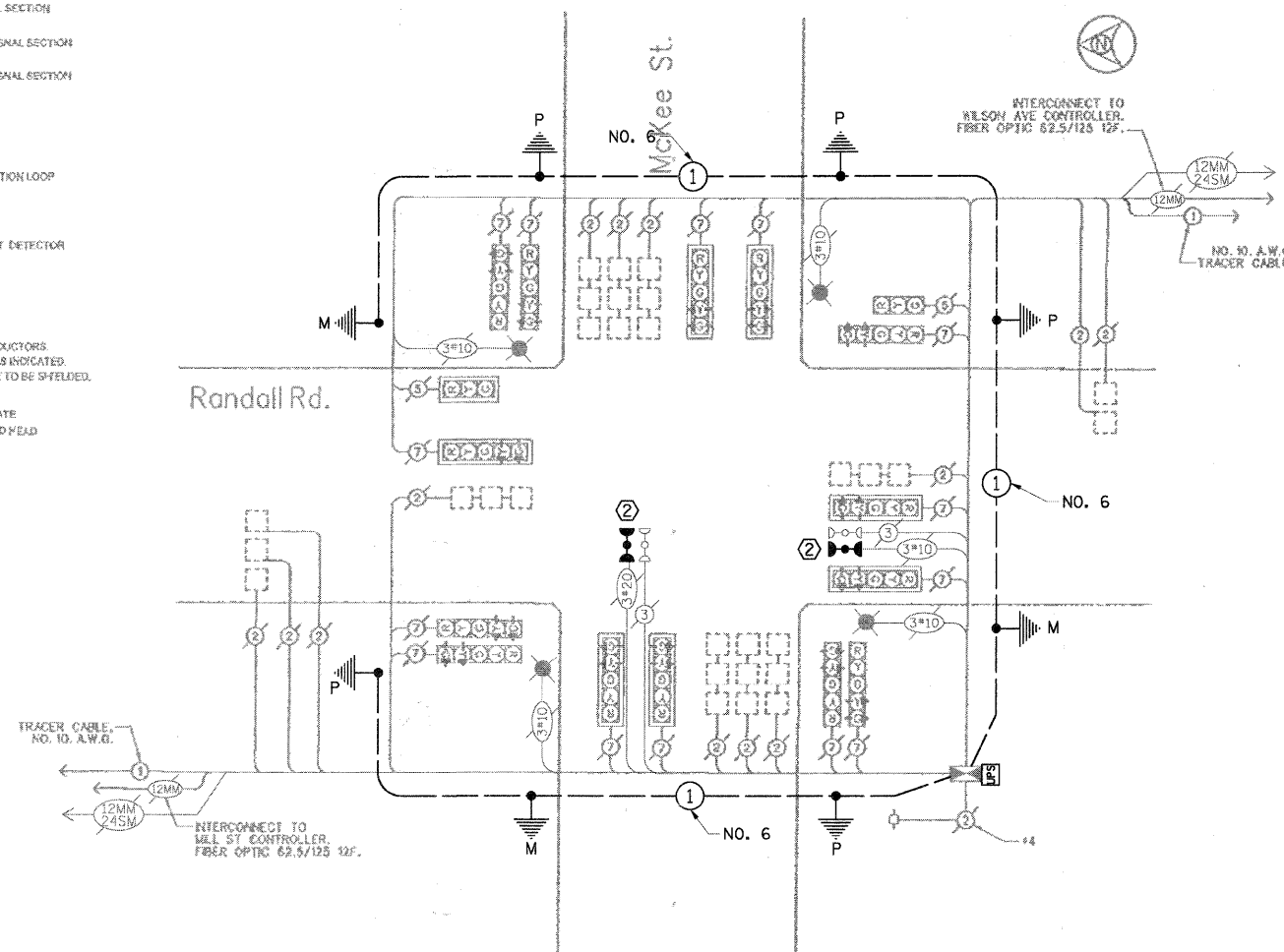
RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	4	5
C	6	7
D	8	1

LEGEND

- DUAL ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE.

CABLE PLAN



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



METRO TRANSPORTATION GROUP, INC.
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 1300 GREENBROOK, HANOVER PARK, IL 60103 PH# 630 213-1000

REVISIONS		
NO.	DATE	DESCRIPTION
X	04/15/99	ADD INTERCONNECT

CABLE PLAN, PHASE DESIGNATION DIAGRAM and SCHEDULE OF QUANTITIES
 RANDALL RD. @ MCKEE ST
 BATAVIA, ILLINOIS

FILE NAME: mckee.op.dgn	SHEET NO.: 6
DATE: Apr 15, 1999	OF 24
PROJECT NO.: 3857-00	