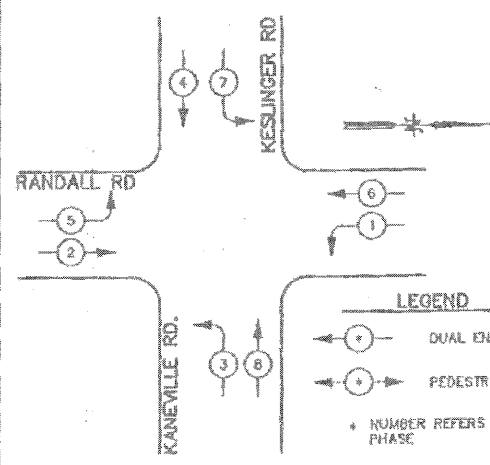
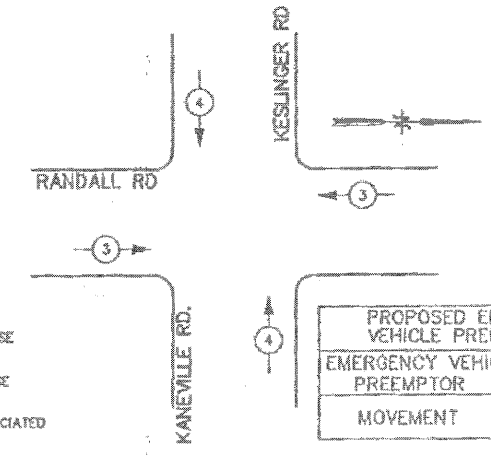


**CONTROLLER SEQUENCE**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

- ← 1 → DUAL ENTRY PHASE
- ← 2 → PEDESTRIAN PHASE
- + NUMBER REFERS TO ASSOCIATED PHASE

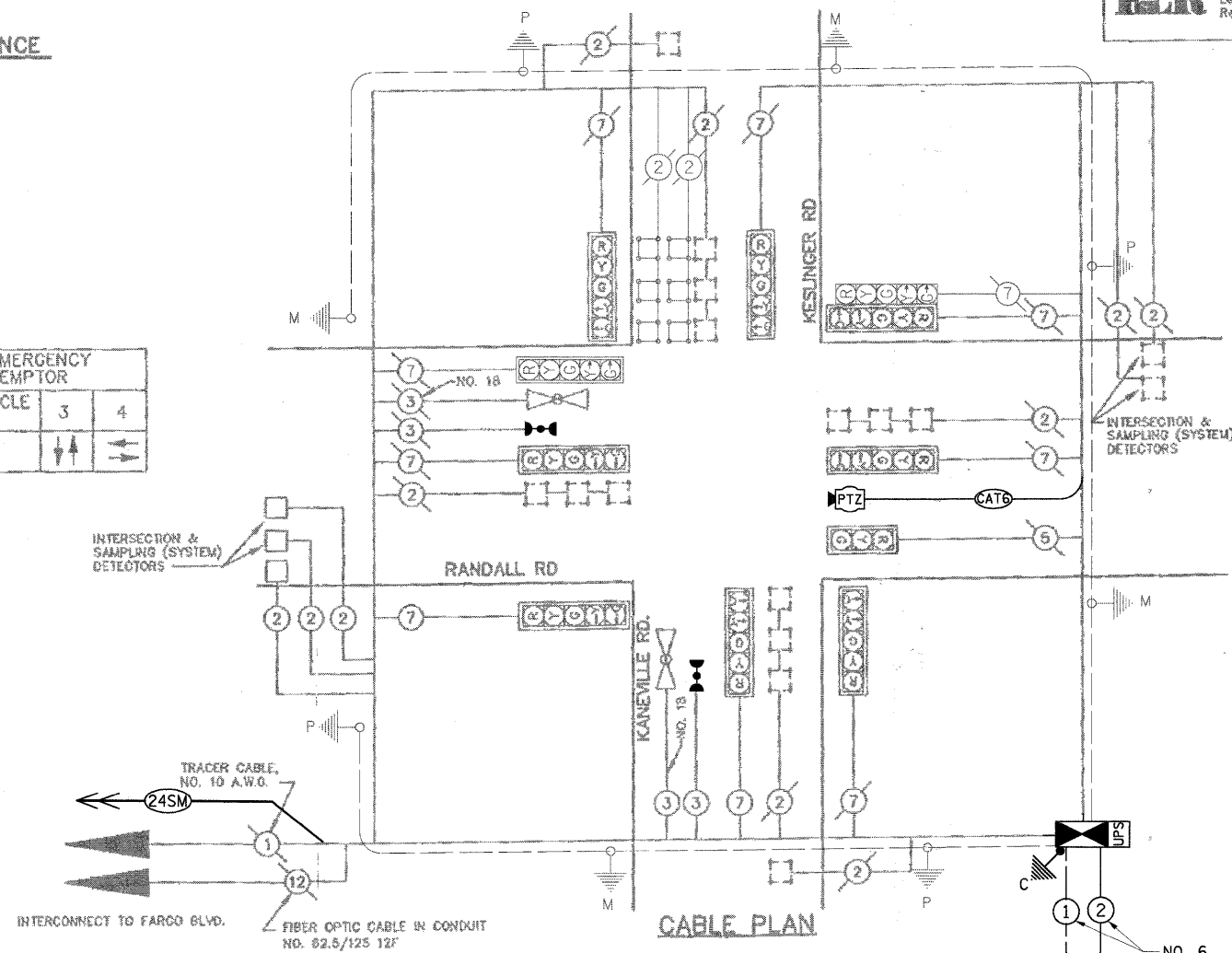
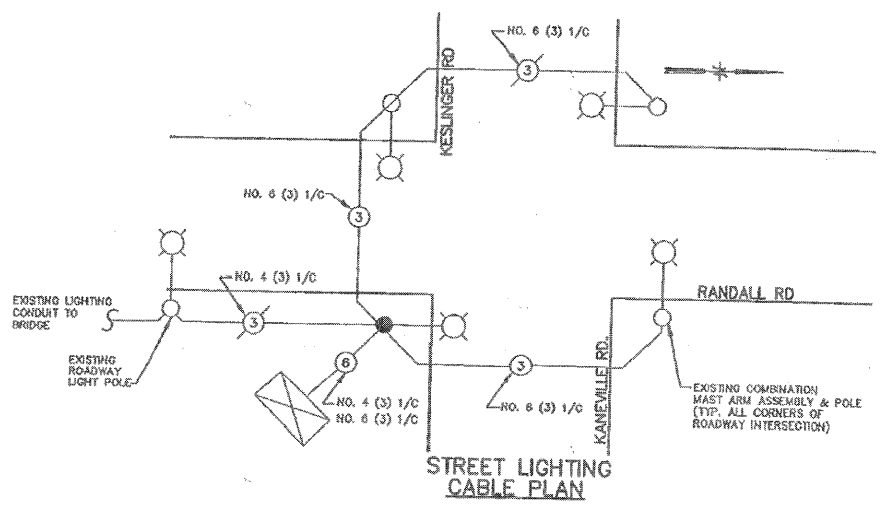
PROPOSED EMERGENCY VEHICLE PREEMPTOR	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	↑ ↓ ← →

**PHASE DESIGNATION DIAGRAM**

**CONSTRUCTION NOTES:**

- 1 REMOVE EXISTING CONTROLLER AND CABINET. INSTALL NEW CONTROLLER AND TYPE IV CABINET ON EXISTING FOUNDATION.
- 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 ADD NEW UNINTERRUPTIBLE POWER SUPPLY..
- 4 REMOVE EXISTING SERVICE. INSTALL A NEW GROUND MOUNT SERVICE WITH METER.
- 5 INSTALL PTZ CAMERA ON THE COMBINATION MAST ARM AND POLE IN THE NORTHEAST CORNER.

NOTE:  
 FOR COORDINATION OF NEW SERVICE INSTALLATION,  
 THE CONTRACTOR SHALL CONTACT JENIFFER HILKEMAN  
 AT THE CITY OF GENEVA (630) 232-1503.



**CABLE PLAN LEGEND**

EXISTING	PROPOSED	DESCRIPTION
○	○	(6") 200mm TRAFFIC SIGNAL SECTION
○	○	(12") 300mm TRAFFIC SIGNAL SECTION
○	○	(12") 300mm PEDESTRIAN SIGNAL SECTION
⊠	⊠	CONTROLLER CABINET
□	□	SERVICE INSTALLATION
⊞	⊞	TELEPHONE CONNECTION
⊞	⊞	EMERGENCY VEHICLE LIGHT DETECTOR
⊞	⊞	CONFIRMATION BEACON
⊞	⊞	PUSHBUTTON DETECTOR
⊞	⊞	VEHICLE DETECTOR, INDUCTION LOOP
○	○	DENOTES NUMBER OF CONDUCTORS ALL CABLE #14 EXCEPT AS INDICATED ALL LOOP DETECTOR CABLE TO BE SHIELDED
○	○	SIGNAL FACE WITH BACK PLATE, "P" INDICATES PROGRAMMED HEAD.

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	TOTAL
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	24
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	13
HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	13
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	230
CONCRETE FOUNDATION, TYPE A	FOOT	4
INDUCTIVE LOOP DETECTOR	EACH	13
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	210
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1 C	FOOT	236
TERMINATE FIBER IN CABINET	EACH	6
SPLICE FIBER IN CABINET	EACH	6
OUTDOOR RATED NETWORK CABLE	FOOT	144
UPS BATTERY BACK-UP CABINET	EACH	1
VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1
ETHERNET MANAGED SWITCH, TYPE 1	EACH	1

DIVISION OF TRANSPORTATION  
 CABLE PLAN  
 CONTROLLER SEQUENCE  
 SCHEDULE OF QUANTITIES

**RANDALL RD & KESLINGER RD/KANEVILLE RD**

SCALE: NONE DRAWN BY: RLS  
 DATE: 3-31-09 CHECKED BY: DMH

NAME	DATE

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO.: \_\_\_\_\_  
**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 3575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (877) 823-0500