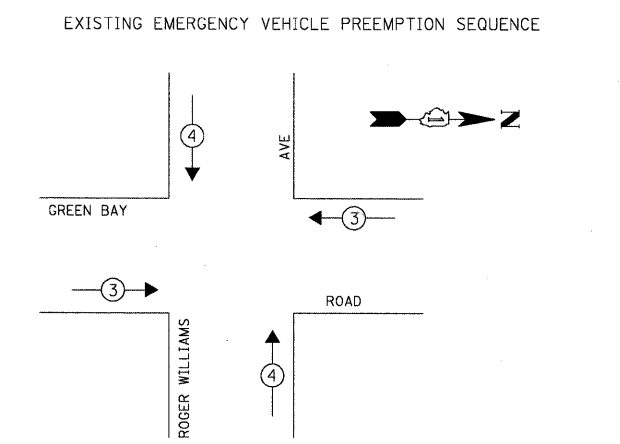
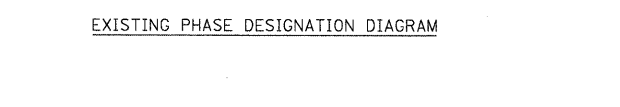
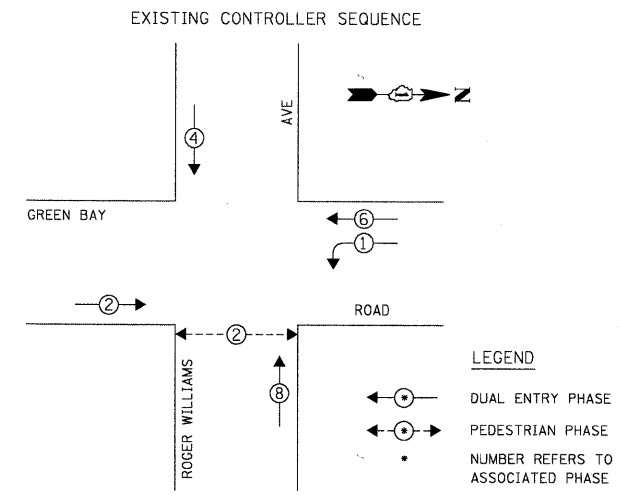
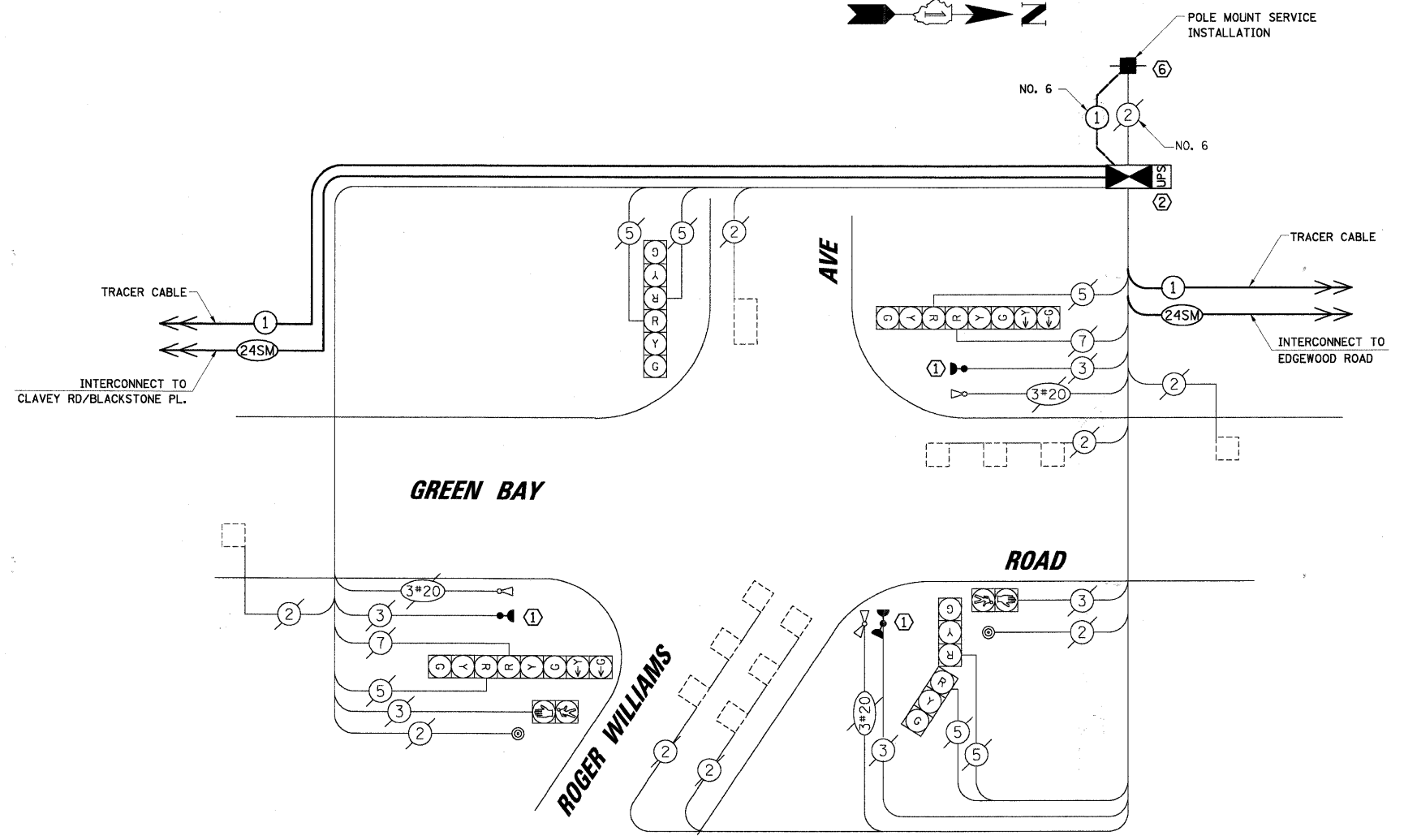


DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHKD: \_\_\_\_\_  
**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHKD: \_\_\_\_\_



**EXISTING EMERGENCY VEHICLE PREEMPTORS**

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑



**L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	WATTAGE XINCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	8	10	0.50		40.0
(YELLOW)	8	19	0.10		15.2
(GREEN)	8	11	0.40		35.2
ARROW	4	9	0.10		3.6
PED. SIGNAL	2	9	1.00		18.0
CONTROLLER	1	100	1.00		100.0
LUMINAIRE	-	250	0.50		-
L.E.D. ST. NAME SIGN	-	64	0.50		-
VIDEO SYSTEM	-	150	1.00		-
BATTERY BACKUP	1	25	1.00		25.0

ENERGY COSTS TO: TOTAL = 237.0

**CITY OF HIGHLAND PARK**  
 1707 ST. JOHNS AVENUE  
 HIGHLAND PARK, IL 60035-3593  
 ENERGY SUPPLY: CONTACT: JEAN WILL  
 PHONE: (847) 816-5459  
 COMPANY: COMED

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.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH SERVICE INSTALLATION

**CONSTRUCTION NOTES:**

- ① ALL EXISTING CONFIRMATION BEACONS SHALL BE RETROFITTED WITH LED INDICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR THE PAY ITEM: UNINTERRUPTIBLE POWER SUPPLY.
- ② RELOCATE EXISTING LIGHT DETECTOR AMPLIFIER TO NEW CONTROLLER CABINET.
- ③ THE TRAFFIC SIGNAL CONTROLLER SHALL BE NTCIP COMPATIBLE.
- ④ MODIFY EXISTING CONTROLLER FOUNDATION. SEE INTERCONNECT PLAN.
- ⑤ REBUILD EXISTING TO DOUBLE HANDHOLE. SEE INTERCONNECT PLAN.
- ⑥ INSTALL NEW POLE MOUNT SERVICE INSTALLATION. INSTALL SERVICE GROUND CABLE IN EXISTING CONDUIT.
- ⑦ A MANUAL PHASE ADVANCE SWITCH SHALL BE PROVIDED. THIS SHALL BE INCLUDED IN THE COST FOR THE PAY ITEM: FULL ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL.

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1
REBUILD EXISTING HANDHOLE TO DOUBLE HANDHOLE	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	5
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	25

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