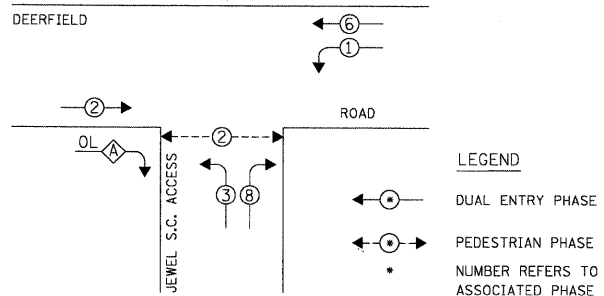


DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVIVED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_ FILE NAME: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVIVED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_ FILE NAME: \_\_\_\_\_

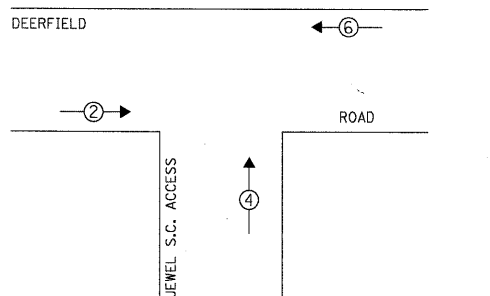
CHRISTOPHER B. BURKE ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

EXISTING CONTROLLER SEQUENCE



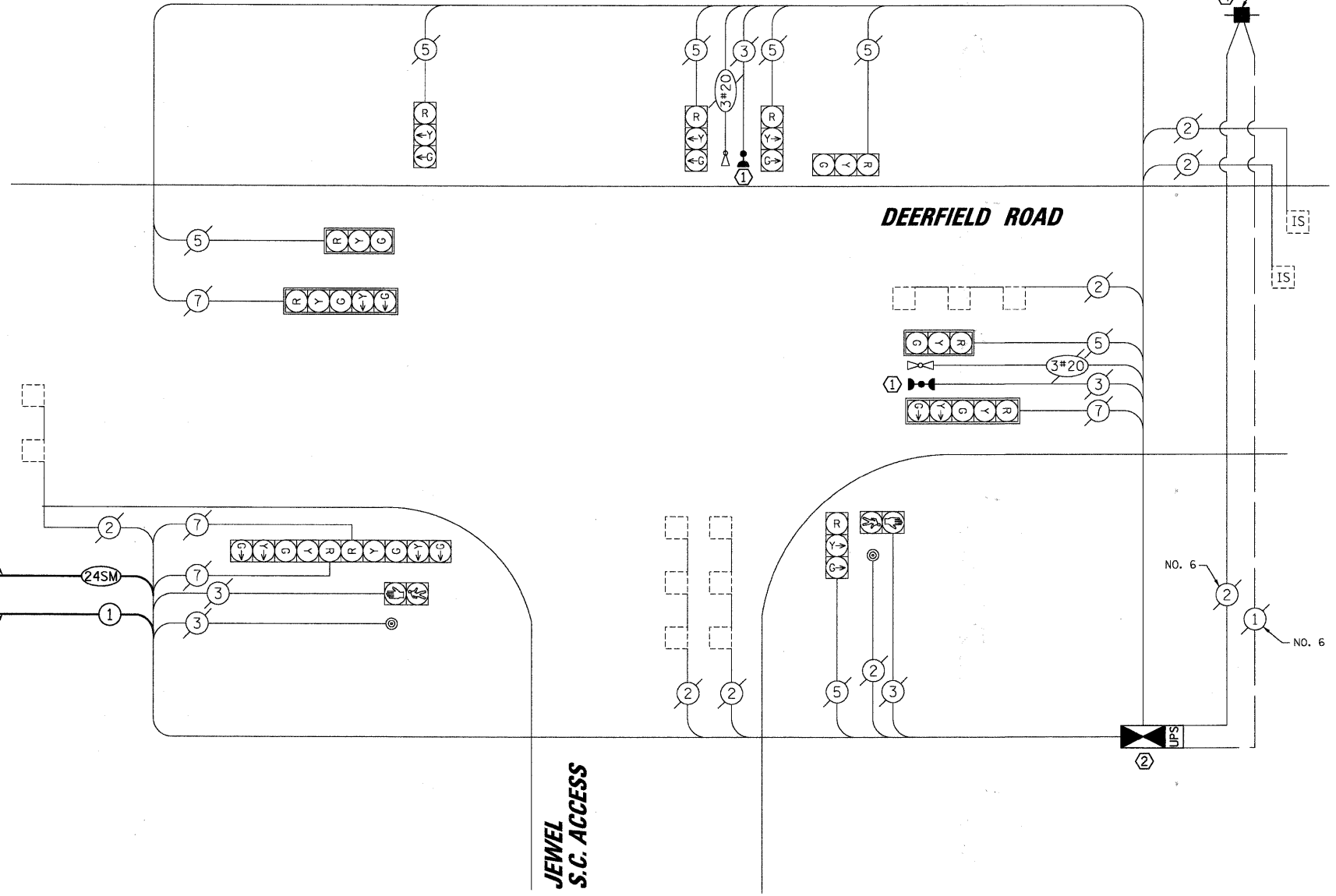
EXISTING PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↕

INTERCONNECT TO RICHFIELD AVENUE  
 TRACER CABLE



CABLE PLAN

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
LAYER II (DATALINK) SWITCH	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	6

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

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 INSTALL NEW POLE MOUNT SERVICE INSTALLATION.

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	11		10	0.50	55.0
(YELLOW)	11		19	0.10	20.9
(GREEN)	11		11	0.40	48.4
ARROW	8		9	0.10	7.2
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 = 274.5

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

FILE NAME =	USER NAME = FBARI50	DESIGNED - ABR	REVISED -
N:\L\CDOT\892487\Traffic\CAB_Deerfield-Jewel.dgn		DRAWN - FPB / FCP	REVISED -
		CHECKED - MJT	REVISED -
		DATE - APRIL 30, 2010	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 DEERFIELD ROAD AND JEWEL S.C. ACCESS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00924-00-TL	LAKE	76	42
CONTRACT NO. 63485			ILLINOIS FED. AID PROJECT	

SCALE: NOT TO SCALE SHEET NO. -- OF -- SHEETS STA. -- TO STA. --