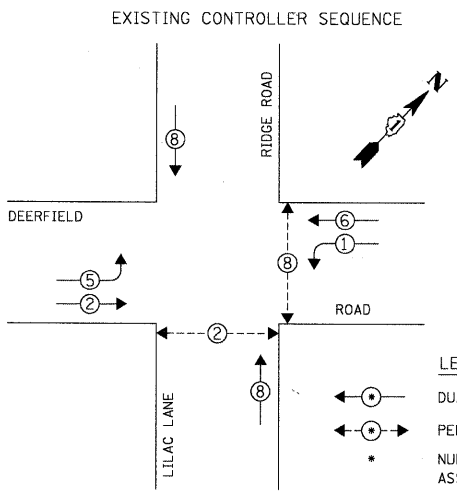
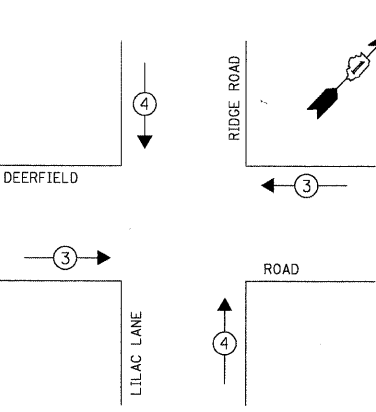
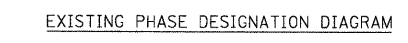


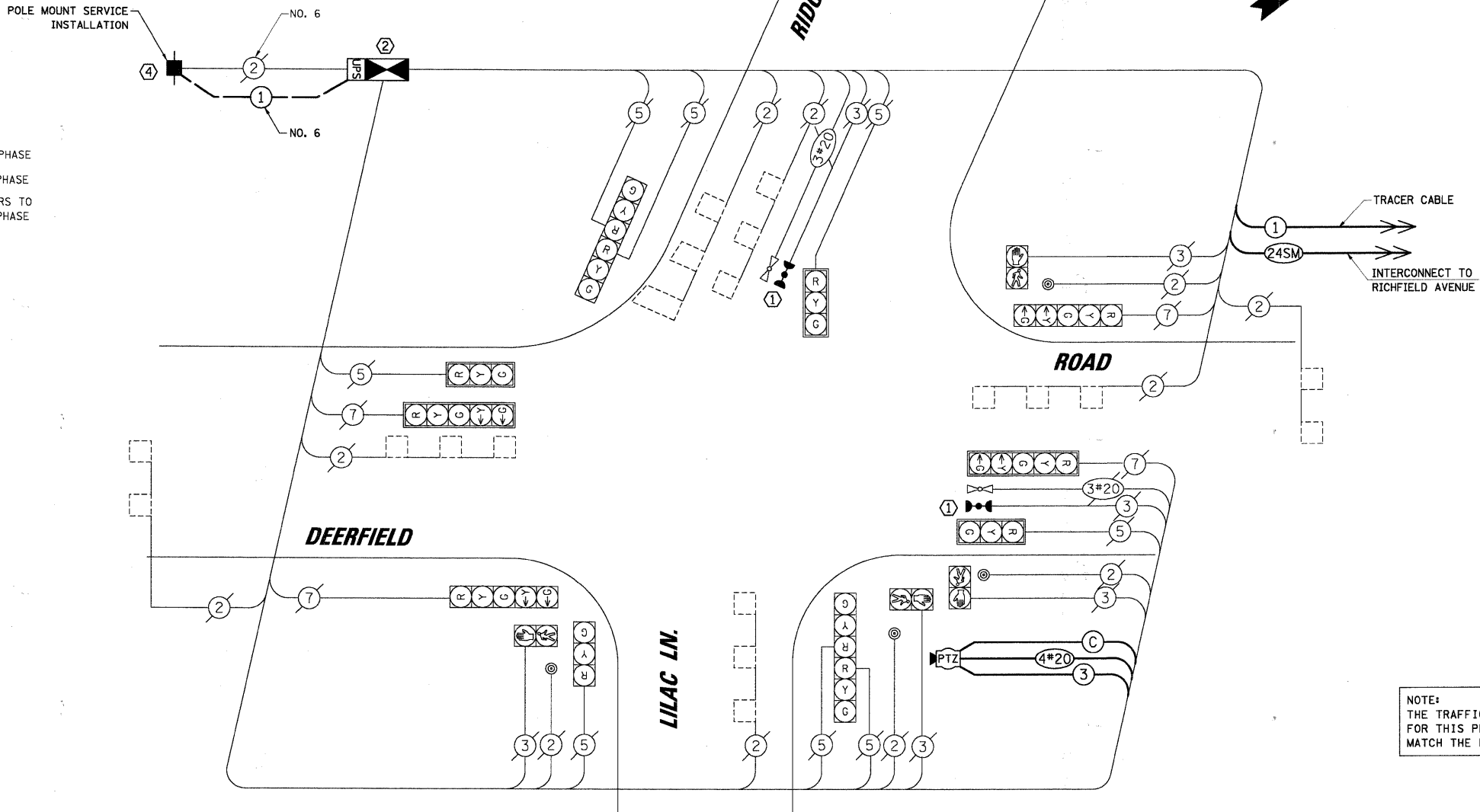
DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 PLAN NO.: _____ NOTE BOOK NO.: _____
 FILE NAME: _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500
 CB
 DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 PLAN NO.: _____ NOTE BOOK NO.: _____
 FILE NAME: _____



LEGEND
 ← ● → DUAL ENTRY PHASE
 ← ● → PEDESTRIAN PHASE
 ● NUMBER REFERS TO ASSOCIATED PHASE



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓



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. INSTALL SERVICE GROUND CABLE IN EXISTING CONDUIT.
- ⑤ INSTALL NEW PTZ CAMERA TO EXISTING SIGNAL MAST ARM SHAFT. NO CAMERA MOUNTING ASSEMBLY REQUIRED.

CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DRILL EXISTING HANDHOLE	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
REMOTE-CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
VIDEO ENCODER	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	7
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	185
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	252
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	252
ELECTRIC CABLE IN CONDUIT, 4/C # 20, VIDEO	FOOT	252

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	4		9	1.00	36.0
CONTROLLER	1	100	100	1.00	100.0
LUMINAIRE	-	250	0.50	-	-
L.E.D. ST. NAME SIGN	-	64	0.50	-	-
VIDEO SYSTEM	1	150	1.00	150.0	150.0
BATTERY BACKUP	1	25	1.00	25.0	25.0

ENERGY COSTS TO: TOTAL = 442.50
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 = Na\CDOT\990487\Traffic\CAB_Deerfield-Ridge.dgn	USER NAME = FBARISO	DESIGNED - ABR	REVISED -
		DRAWN - FPB / FCP	REVISED -
		CHECKED - MJT	REVISED -
		DATE - APRIL 30, 2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND DEERFIELD ROAD AND RIDGE ROAD / LILAC ROAD
 SCALE: NOT TO SCALE SHEET NO. -- OF -- SHEETS STA. -- TO STA. --

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00924-00-TL	LAKE	76	40
CONTRACT NO. 63485			ILLINOIS FED. AID PROJECT	