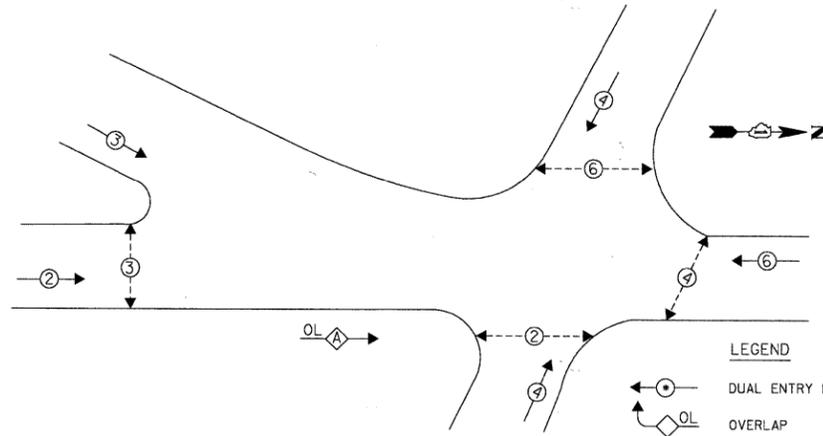
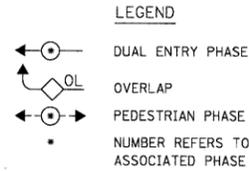


DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 CHECKED: _____ RT. OF WAY CHECKED: _____
 NOTE BOOK NO. _____ CAD FILE NAME: _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500
 C.B. ENGINEERING
 DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 CHECKED: _____ RT. OF WAY CHECKED: _____
 NOTE BOOK NO. _____ CAD FILE NAME: _____
 PROFILE: _____
 FILE NAME: _____

EXISTING CONTROLLER SEQUENCE



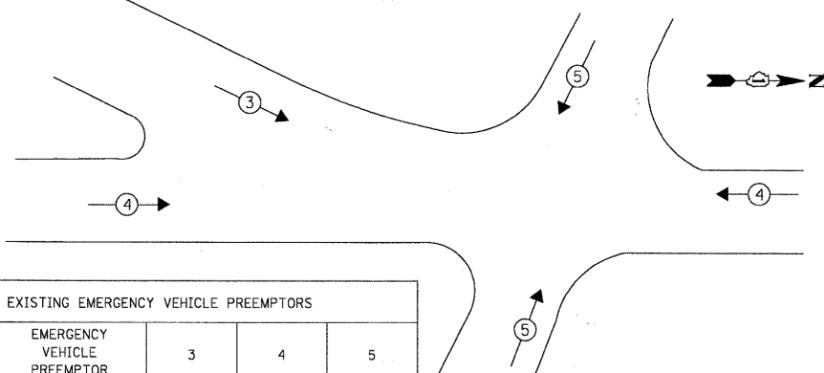
EXISTING PHASE DESIGNATION DIAGRAM



EXISTING RIGHT TURN OVERLAP PHASE DESIGNATION

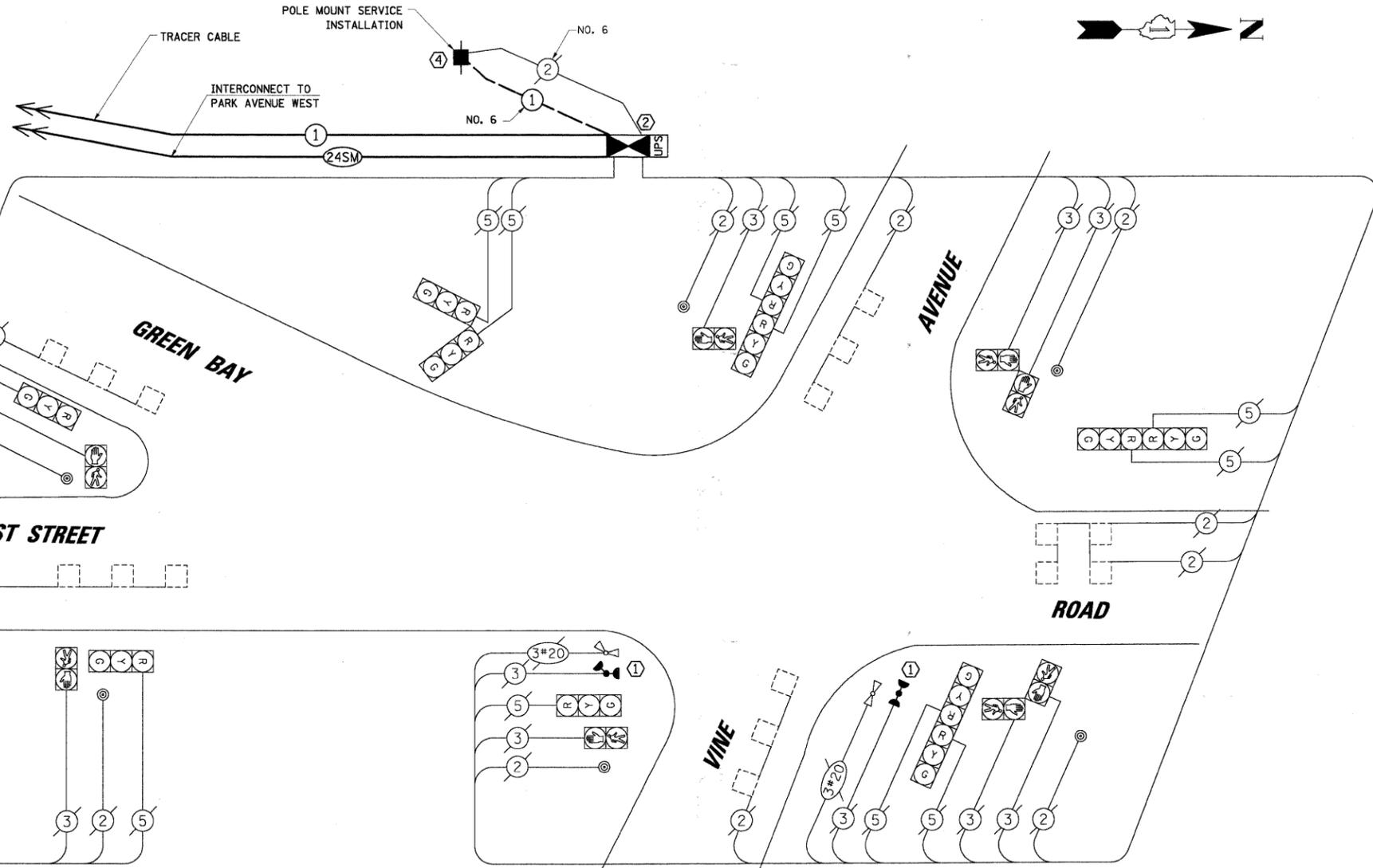
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	↔	↕



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
DRILL EXISTING HANDHOLE	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
ELECTRIC CABLE IN CONDUIT, GROUND NO. 6 1C	FOOT	40

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 INSTALLTION. INSTALL SERVICE GROUND CABLE IN EXISTING COUNDUIT.

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

TYPE	NO. OF LAMPS	WATTAGE		TOTAL WATTAGE
		X INCAND.	LED X % OPERATION	
SIGNAL (RED)	11	10	0.50	55.0
(YELLOW)	11	19	0.10	29.9
(GREEN)	11	11	0.40	48.4
ARROW	-	9	0.10	-
PED. SIGNAL	8	9	1.00	72.0
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 = 330.3

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 = N:\L\CDOT\898487\Traffic\CABL\GBRD-Vine.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
 GREEN BAY ROAD AND VINE AVENUE

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	32
CONTRACT NO. 63485			ILLINOIS FED. AID PROJECT	