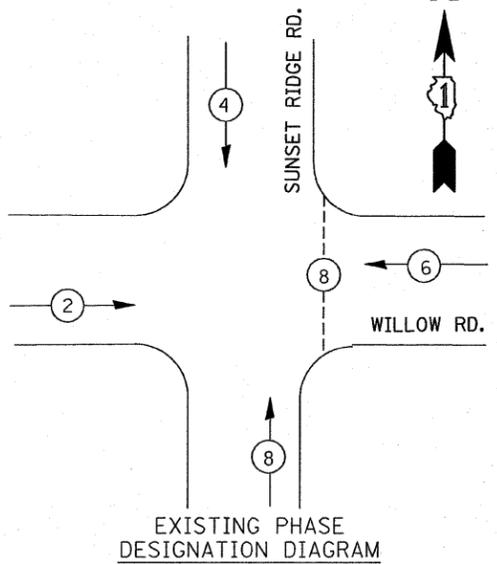


CABLE PLAN LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER CABINET			12" (300mm) RED WITH 8" (200mm)		
RAILROAD CONTROL CABINET			YELLOW AND GREEN TRAFFIC SIGNAL FACE		
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT			12" (300mm) TRAFFIC SIGNAL SECTION		
TELEPHONE CONNECTION			12" (300mm) PEDESTRIAN SIGNAL SECTION		
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			ILLUMINATED SIGN "NO LEFT TURN"		
FIBER OPTIC CABLE IN CONDUIT, NUMBER OF FIBERS AS NOTED			ILLUMINATED SIGN "NO RIGHT TURN"		
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED, NUMBER OF CONDUCTORS AS NOTED			PUSHBUTTON DETECTOR		
GROUND CABLE IN CONDUIT NO. 6 COPPER (GREEN)			DETECTOR LOOP		
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD			PREFORMED DETECTOR LOOP		
			MICROWAVE VEHICLE SENSOR		
			VIDEO DETECTOR		
			CLOSED CIRCUIT TV		
			EMERGENCY VEHICLE SYSTEM DETECTOR		
			CONFIRMATION BEACON		

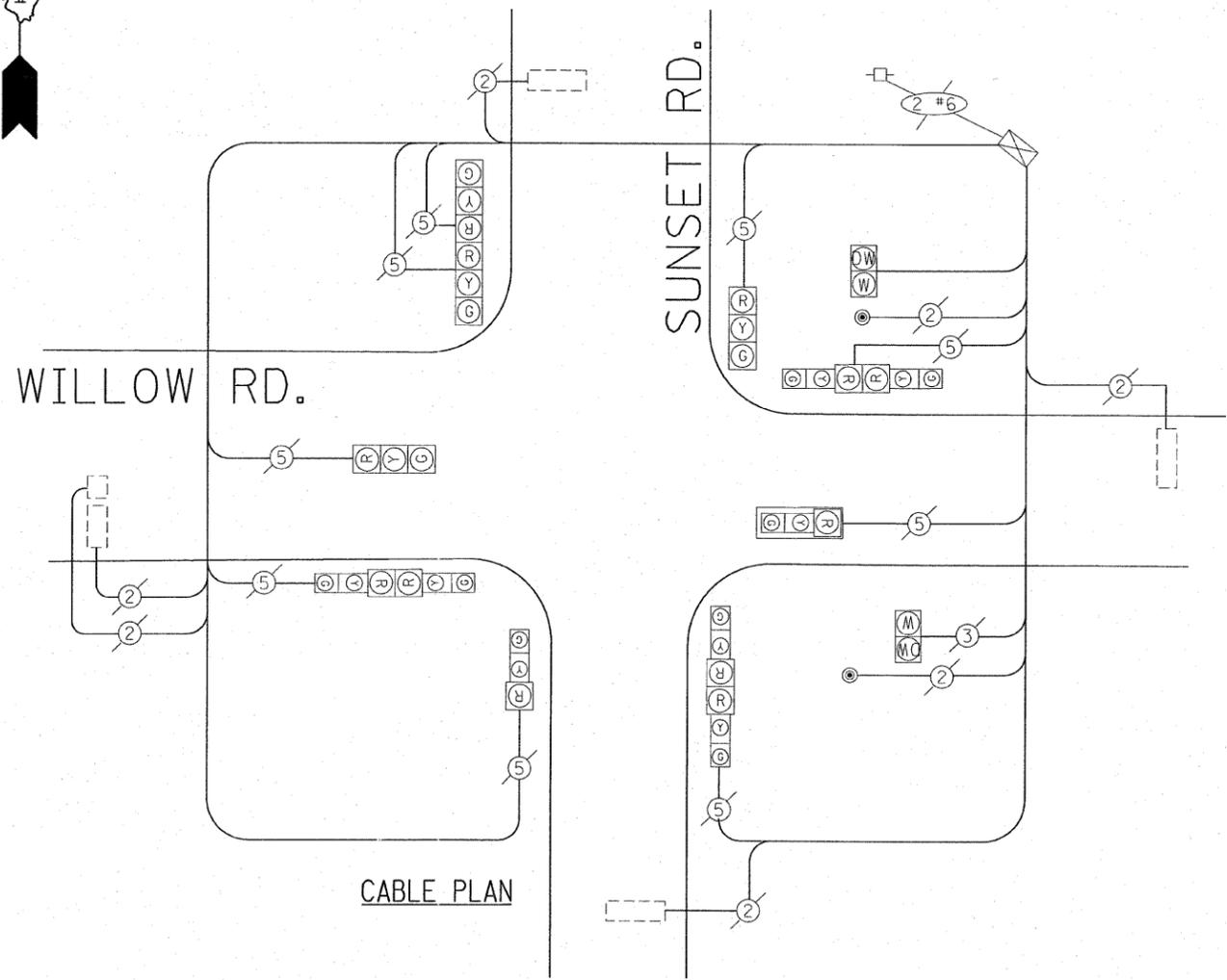
CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

LEGEND

	DUAL ENTRY PHASE
	PROTECTED LEFT TURN PHASE
	OVERLAP
	PEDESTRIAN PHASE
*	NUMBER REFERS TO ASSOCIATED PHASE



CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	12	135	25	0.25	75.00
(GREEN)	12	135	15	0.25	45.00
ARROW		135	12	0.10	
PED. SIGNAL	2	90	25	1.00	50.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO: TOTAL =					372.00

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'±L-2'±
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m±L-0.6m)±	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING TRAFFIC CABLE PLAN, AND SEQUENCE OF OPERATION WILLOW RD. AND SUNSET RIDGE RD.
 SCALE: 1"=20'
 DATE 10/22/2007
 DRAWN BY BCK
 DESIGN BY BCK
 CHECKED BY DAD

10/22/2007
 c:\projects\tr\office\1070019\willow@sunsetridge.dgn
 kantaphixaybc