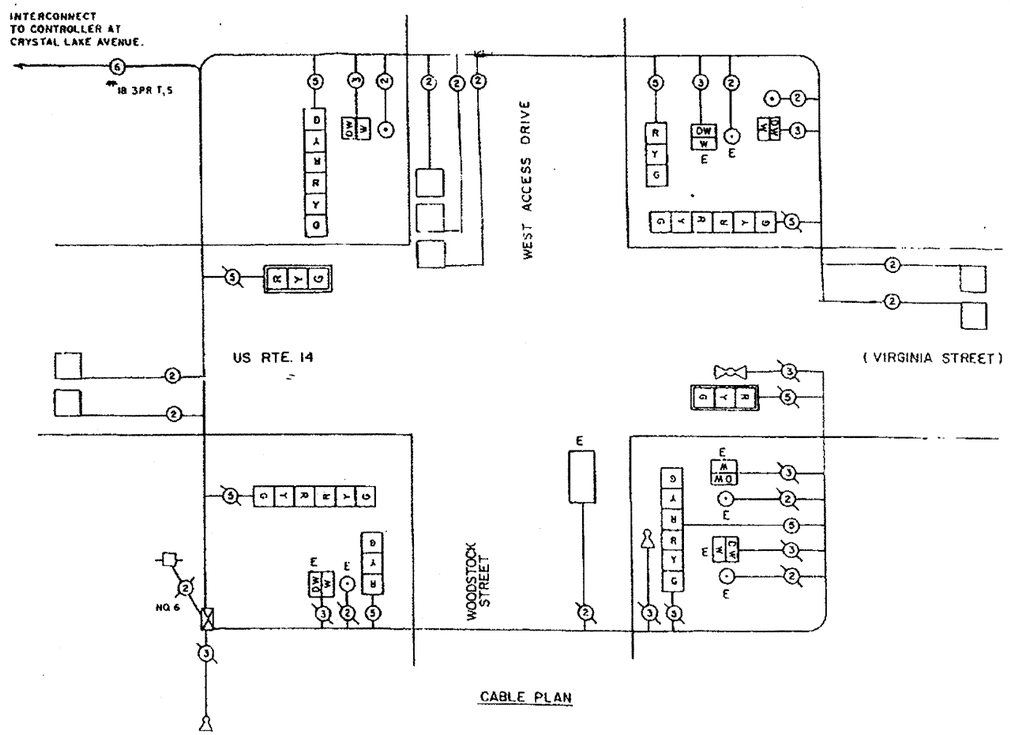
F.A.P	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	08-00109-00-CH	MCHENRY	7	7
STA.		TO STA.		
FED.ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO: 63067



CABLE PLAN

THE CONTROLLER EQUIPMENT FOR THIS INTERSECTION SHALL BE "ECONOLITE" BRAND TO MATCH THE EXISTING ADJCENT CLOSED LOOP SYSTEM

EXISTING	PROPOSED	CABLE PLAN LEGEND
G	G	8" TRAFFIC SIGNAL SECTION
R	R	12" TRAFFIC SIGNAL SECTION
W E	W	12" PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
E		VEHICLE DETECTOR, INDUCTION LOOP
E		PUSHBUTTON DETECTOR
	(2)	DENOTES NUMBER OF CONDUCTORS (NEW). ALL LOOP DETECTOR CABLE TO BE SHIELDED. ALL CABLE NO. 14 EXCEPT AS INDICATED.
	(2)	INDICATES EXISTING CABLE
	"P"	SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED
R		EXISTING SIGNAL SECTION
		MAGNETIC DETECTOR
		OPTICAL DETECTOR

SCHEDULE OF SIGNAL HEADS

SIGNAL HEAD, ALUMINUM, 1-FACE, 3 SECTION, BRACKET MOUNTED	2	EACH
SIGNAL HEAD, ALUMINUM, 1-FACE, 3 SECTION, MAST ARM MOUNTED	2	EACH
SIGNAL HEAD, ALUMINUM, 2-FACE, 3 SECTION, BRACKET MOUNTED	4	EACH
PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED	2	EACH

SEQUENCE OF OPERATIONS

MOVEMENT	1	2	3A	3B	4	5	6A	6B	FLASH
PHASE	2				4				
INTERVAL	1	2	3A	3B	4	5	6A	6B	
CHANGE TO			4+8				2+6		
U.S. ROUTE 14 (VIRGINIA ST.)	G	G	Y	R	R	R	R	R	R
WOODSTOCK STREET	R	R	R	R	G	G	Y	R	R
WEST ACCESS	R	R	R	R	G	G	Y	R	R
PEDESTRIAN SIGNALS WEST X-ING WOODSTOCK ST./ ACCESS DR.	W*	FL** DW	DW	DW	DW	DW	DW	DW	DARK
PEDESTRIAN SIGNALS X-ING U.S. ROUTE 14	DW	DW	DW	DW	W*	FL** W	DW	DW	DARK

* TO APPEAR UPON PEDESTRIAN PUSHBUTTON ACTUATION ONLY
** FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.

EMERGENCY VEHICLE PRE-EMPTION SEQUENCE

FROM NORMAL SEQUENCE OF OPERATIONS INTERVAL NUMBER	1				4				EMERGENCY VEHICLE INTERVAL		CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PRE-EMPTION INTERVAL	1A	1B	1C	1D	1E	1F	1G	1H			
CHANGE TO	2	1C	1D	3	1F	1G	2	3	2	3	
U.S. ROUTE 14 (VIRGINIA ST.)	G	G	Y	R	R	R	R	R	G	R	◇
WOODSTOCK STREET	R	R	R	R	G	Y	R	G	R	G	◇
WEST ACCESS DRIVE	R	R	R	R	G	Y	R	G	R	G	◇
PEDESTRIAN SIGNALS X-ING WOODSTOCK / WEST ACCESS DRIVE	FL DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	◇
PEDESTRIAN SIGNALS X-ING U.S. ROUTE 14	DW	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	◇

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2 OR 3 IS TERMINATED.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	**US 14 AT WOODSTOCK STREET EXISTING CABLE PLAN**
		DRAWN BY: N/A
		SCALE: N.T.S. DESIGNED BY: N/A
		DATE: MAY 2008 CHECKED BY: N/A