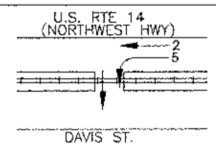
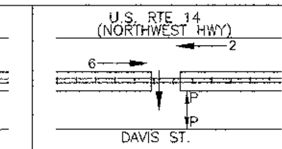
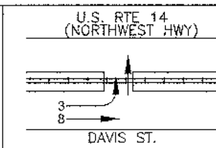
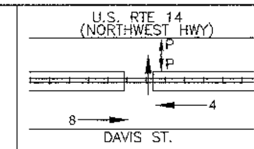
SEQUENCE OF OPERATION

MOVEMENT																										FLASH
PHASE		2 + 5			2 + 6								3 + 8							4 + 8						
INTERVAL		1	2A	2B	3	4	5A	5B	6A	6B	6C	6D	7	8A	8B	8C	8D	9	9A	10	11	12A	12B	12C	12D	
CHANGE TO		/	2 + 6		/	/	2 + 5		3 + 8 4 + 8				/	2 + 5 2 + 6				4 + 8		/	/	2 + 5 2 + 6				
U.S. ROUTE 14 (NORTHWEST HWY) NEAR RIGHT, RIGHT AND CENTER MAST ARM SIGNALS	WB	G	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
U.S. ROUTE 14 (NORTHWEST HWY) FAR LEFT AND END MAST ARM SIGNALS	WB	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
U.S. ROUTE 14 (NORTHWEST HWY) FAR LEFT, END AND CENTER MAST ARM SIGNALS	EB	R	R	R	G	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
U.S. ROUTE 14 (NORTHWEST HWY) NEAR RIGHT AND RIGHT MAST ARM SIGNALS	EB	R←	R←	R←	G←	G←	Y←	R←	Y←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←
DAVIS STREET FAR LEFT, END AND CENTER MAST ARM SIGNALS	WB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	R
DAVIS STREET NEAR RIGHT AND RIGHT MAST ARM SIGNALS	WB	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	G←	G←	Y←	R←	R←	R←	R←
DAVIS STREET NEAR RIGHT, RIGHT AND CENTER MAST ARM SIGNALS	EB	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	G	G	G	Y	R	R	R	R
DAVIS STREET FAR LEFT AND END MAST ARM SIGNALS	EB	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←Y	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R
ARTHUR AVENUE CROSSING ALL SIGNALS	NB	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	G	G	G	G	Y	R	R
ARTHUR AVENUE CROSSING ALL SIGNALS	SB	G	G	G	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING U.S. RTE 14 ON EAST SIDE OF ARTHUR CROSSING		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	H	DARK
PEDESTRIAN SIGNALS CROSSING DAVIS STREET ON EAST SIDE OF ARTHUR CROSSING		H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	

* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

** FLASHING "[P]" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.

P = ILLUMINATED PERSON = "WALK"
FH = ILLUMINATED FLASHING HAND = FLASHING "DON'T WALK"
H = ILLUMINATED SOLID HAND = "DON'T WALK"
PHASE 2 + 6 SHALL BE PLACED ON RECALL

RAILROAD PREEMPTION SEQUENCE OF OPERATION

										PREEMPTOR NUMBER 3		PREEMPTOR NUMBER 4		PREEMPTOR NUMBER 5		PREEMPTOR NUMBER 6		PREEMPTOR NUMBER 2									
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1		3		7		10																			
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER										2		3		4		5											
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	2	3	4	5	6	7	8	9	10	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1B	2	1D	2	1F	2	1H	2	1K	2	1M	2	1P	2	1R	2	3	4	5	6	7	8	9	10		
U.S. ROUTE 14 (NORTHWEST HWY) NEAR RIGHT, RIGHT AND CENTER MAST ARM SIGNALS	WB	Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	△
U.S. ROUTE 14 (NORTHWEST HWY) FAR LEFT AND END MAST ARM SIGNALS	WB	←Y	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	△
U.S. ROUTE 14 (NORTHWEST HWY) FAR LEFT, END AND CENTER MAST ARM SIGNALS	EB	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	△
U.S. ROUTE 14 (NORTHWEST HWY) NEAR RIGHT AND RIGHT MAST ARM SIGNALS	EB	R←	R←	Y←	R←	R←	R←	R←	R←	R←	R←	Y←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	△
DAVIS STREET FAR LEFT, END AND CENTER MAST ARM SIGNALS	WB	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	G	Y	R	R	R	R	△
DAVIS STREET NEAR RIGHT AND RIGHT MAST ARM SIGNALS	WB	R←	R←	R←	R←	R←	R←	Y←	R←	R←	R←	R←	R←	R←	R←	Y←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	△
DAVIS STREET NEAR RIGHT, RIGHT AND CENTER MAST ARM SIGNALS	EB	R	R	R	R	Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	G	Y	R	R	R	R	△
DAVIS STREET FAR LEFT AND END MAST ARM SIGNALS	EB	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	△
ARTHUR AVENUE CROSSING ALL SIGNALS	NB	R	R	R	R	G	G	G	G	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	G	Y	R	△
ARTHUR AVENUE CROSSING ALL SIGNALS	SB	G	G	G	G	R	R	R	R	G	G	G	G	R	R	R	R	G	Y	R	R	R	R	G	Y	R	△
PEDESTRIAN SIGNALS CROSSING U.S. RTE 14 ON EAST SIDE OF ARTHUR CROSSING		H	H	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING DAVIS STREET ON EAST SIDE OF ARTHUR CROSSING		H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
																					HOLD						

△ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 10 IS TERMINATED.

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

																																						PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1	1		1				3				3			3					7				7	7		10					10			10							
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	1HH	1JJ	1KK	1LL	1MM	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		2	1C	3	1E	1F	1G	4 OR 5	1J	1K	2	1M	1N	3	1Q	1R	1S	1T	4 OR 5	1V	1W	1X	2 OR 3	4	1AA	5	1CC	1DD	1EE	1FF	2 OR 3	1HH	1JJ	4	1LL	1MM	5					
U.S. ROUTE 14 (NORTHWEST HWY) NEAR RIGHT, RIGHT AND CENTER MAST ARM SIGNALS	WB	G	Y	R	Y	R	R	R	G	G	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	R	◊
U.S. ROUTE 14 (NORTHWEST HWY) FAR LEFT AND END MAST ARM SIGNALS	WB	←G	←Y	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←R	←R	←R	◊
U.S. ROUTE 14 (NORTHWEST HWY) FAR LEFT, END AND CENTER MAST ARM SIGNALS	EB	R	R	R	R	R	R	R	G	Y	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	◊
U.S. ROUTE 14 (NORTHWEST HWY) NEAR RIGHT AND RIGHT MAST ARM SIGNALS	EB	R←	R←	R←	R←	R←	R←	R←	G←	Y←	R←	G←	G←	G←	G←	Y←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	G←	R←	R←	◊
DAVIS STREET FAR LEFT, END AND CENTER MAST ARM SIGNALS	WB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	Y	R	G	G	G	R	R	R	G	◊
DAVIS STREET NEAR RIGHT AND RIGHT MAST ARM SIGNALS	WB	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	R←	G←	Y←	R←	R←	R←	G←	Y←	R←	G←	G←	G←	R←	R←	R←	G←	◊
DAVIS STREET NEAR RIGHT, RIGHT AND CENTER MAST ARM SIGNALS	EB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	G	Y	R	G	Y	R	R	R	G	G	G	G	Y	R	R	R	G	R	◊
DAVIS STREET FAR LEFT AND END MAST ARM SIGNALS	EB	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←R	◊
ARTHUR AVENUE CROSSING ALL SIGNALS	NB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	G	G	G	Y	R	G	G	G	G	G	G	R	R	G	G	◊
ARTHUR AVENUE CROSSING ALL SIGNALS	SB	G	G	G	G	G	Y	R	G	G	G	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	R	R	◊
PEDESTRIAN SIGNALS CROSSING U.S. RTE 14 ON EAST SIDE OF ARTHUR CROSSING		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING DAVIS STREET ON EAST SIDE OF ARTHUR CROSSING		H	H	H	H	H	H	H	FH	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊

◊ 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, 3, 4 OR 5 IS TERMINATED.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

CIVILTECH

USER NAME = $USER$	DESIGNED - MFB	REVISED - 11/07/12	
	DRAWN - OJT	REVISED - 11/30/12	
PLOT SCALE = $SCALE$	CHECKED - JJE	REVISED -	
PLOT DATE = $DATE$	DATE - 10/22/12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

0 20 40
SCALE IN FEET

U.S. ROUTE 14 AT ARTHUR AVENUE / DAVIS STREET
SEQUENCE OF OPERATION, RAILROAD PREEMPTION SEQUENCE OF OPERATION AND EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	02-00177-00 WR	COOK	142	77
PROJECT NO. M-8003(426)		CONTRACT NO. 63514		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		