

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1285	02-00075-00-PV	COOK	161	81
STA.		TO STA.		
FED. ROAD DIST. NO. .		ILLINOIS FED. AID PROJECT		

PROPOSED SEQUENCE OF OPERATION

MOVEMENT	1 + 5				1 + 6			2 + 5			2 + 6				3 + 7				3 + 8				4 + 7				4 + 8					
PHASE	1 + 5				1 + 6			2 + 5			2 + 6				3 + 7				3 + 8				4 + 7				4 + 8					
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16	17	18	19	20A	20B	21	22	23	24A	24B	25	26	27	28A	28B
CHANGE TO	/				/			/			/				/				/				/									
PALATINE ROAD END MAST ARM AND FAR LEFT SIGNALS E/B	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
PALATINE ROAD MIDDLE MAST ARM E/B	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
PALATINE ROAD NEAR RIGHT & FAR RIGHT MAST ARM SIGNALS E/B	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
PALATINE ROAD END MAST ARM AND FAR LEFT SIGNALS W/B	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
PALATINE ROAD MIDDLE & FAR RIGHT MAST ARM SIGNALS W/B	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
PLUM GROVE ROAD END MAST ARM AND FAR LEFT SIGNALS S/B	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
PLUM GROVE ROAD MIDDLE MAST ARM S/B	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
PLUM GROVE ROAD END MAST ARM AND FAR LEFT SIGNALS N/B	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
PLUM GROVE ROAD MIDDLE & FAR RIGHT MAST ARM SIGNALS N/B	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
PEDESTRIAN SIGNALS CROSSING PLUM GROVE RD. ON NORTHSIDE OF PALATINE RD.	H	H	H	H	*P	**FH	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING PLUM GROVE RD. ON SOUTHSIDE OF PALATINE RD.	H	H	H	H	H	H	H	*P	**FH	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING PALATINE RD. ON EASTSIDE OF PLUM GROVE RD.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	*P	**FH	H	H	
PEDESTRIAN SIGNALS CROSSING PALATINE RD. ON WESTSIDE OF PLUM GROVE RD.	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	*P	**FH	H	H		

- * TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
 - ** FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.
 - ⊕ THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING "DON'T WALK" INTERVALS.
- P = ILLUMINATED PERSON = WALK
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 H = ILLUMINATED SOLID HAND = DON'T WALK
- PHASES 2+6 SHALL BE PLACED ON RECALL

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION

	PREEMPTOR NUMBER 3				PREEMPTOR NUMBER 4				PREEMPTOR NUMBER 2						
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5	8	11	14	18	22	26	2	3	4	5	6	7	CLEAR TO NORMAL SEQUENCE
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER													2	3	
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1I	1J	1K	1L	1M	1N	1P
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	2	1K	2	2	1N	2	1Q	2
PALATINE ROAD END MAST ARM AND FAR LEFT SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PALATINE ROAD MIDDLE MAST ARM E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PALATINE ROAD NEAR RIGHT & FAR RIGHT MAST ARM SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PALATINE ROAD END MAST ARM AND FAR LEFT SIGNALS W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PALATINE ROAD MIDDLE & FAR RIGHT MAST ARM SIGNALS W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PLUM GROVE ROAD END MAST ARM AND FAR LEFT SIGNALS S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PLUM GROVE ROAD MIDDLE MAST ARM S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PLUM GROVE ROAD END MAST ARM AND FAR LEFT SIGNALS N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PLUM GROVE ROAD MIDDLE & FAR RIGHT MAST ARM SIGNALS N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING PLUM GROVE RD. ON NORTHSIDE OF PALATINE RD.	H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING PLUM GROVE RD. ON SOUTHSIDE OF PALATINE RD.	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING PALATINE RD. ON EASTSIDE OF PLUM GROVE RD.	H	H	H	H	H	H	H	FH	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING PALATINE RD. ON WESTSIDE OF PLUM GROVE RD.	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H

△ 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 7 IS TERMINATED.

TRAFFIC SIGNAL CONTROLLER SHALL BE ALLOWED TO CYCLE TO NORTHBOUND AND SOUTHBOUND PLUM GROVE ROAD AT THE END OF THE RAILROAD PREEMPTION SEQUENCE.

PLOT DATE = 08/24/09
 FILE NAME = 02080901
 USER NAME = BUSBY

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PALATINE ROAD AT PLUM GROVE ROAD SEQUENCE OF OPERATION AND RAILROAD PREEMPTION SEQUENCE OF OPERATION SCALE: NONE DATE: OCTOBER 19, 2009