PROPOSED SEQUENCE OF OPERATION

MOVEMENT		5→1	2→P, 6→1	5→2	2→P, 6	7→3	P, 4, 7	3, 8	P, 4, 8	FLASH
PHASE		1+5	1+6	2+5	2+6	3+7	4+7	3+8	4+8	
INTERVAL		1 2 3 4	5 6 7	8 9	10 11 12A 12B	13 14 15 16	17 18 19 20A 20B	21 22 23A 23B	24 25 26A 26B	
CHANGE TO		/ 1+6 2+5 2+6	/ / 2+6	/ 2+6	/ / 3+7 4+7 3+8 4+8	/ 1+5 1+6 2+5 2+6 4+8 3+8 4+7	/ / 4+8 1+5 1+6 2+5 2+6	/ 4+8 1+5 1+6 2+5 2+6	/ / 1+5 1+6 2+5 2+6	
INDIAN TRAIL MID MAST ARM SIGNAL	E/B	R R R R	R R 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
INDIAN TRAIL FAR LEFT AND END MAST ARM SIGNALS	E/B	R→G R→Y R→G R→Y	R R R	G→G G→Y	G G Y R	R R R R R	R R R R R	R R R R	R R R R	R
INDIAN TRAIL MID MAST ARM SIGNAL	W/B	R R R R	G G G	R R	G G Y R	R R R R R	R R R R R	R R R R	R R R R	R
INDIAN TRAIL FAR LEFT AND END MAST ARM SIGNALS	W/B	R→G R→Y R→Y R→Y	G→G G→G G→Y	R R	G G Y R	R R R R R	R R R R R	R R R R	R R R R	R
HIGHLAND AVENUE MID MAST ARM SIGNAL	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	G G Y R	G G Y R	R
HIGHLAND AVENUE FAR LEFT AND END MAST ARM SIGNALS	N/B	R R R R	R R R	R R	R R R R	R→G R→Y R→G R→Y	R R R R R	G→G G→Y Y R	G G Y R	R
HIGHLAND AVENUE NEAR RIGHT AND MID MAST ARM SIGNALS	S/B	R R R R	R R R	R R	R R R R	R R R R	G→G G→G G→Y Y R	R R R R	G G Y R	R
HIGHLAND AVENUE FAR LEFT AND END MAST ARM SIGNALS	S/B	R R R R	R R R	R R	R R R R	R→G R→Y R→Y R→G	G→G G→G G→Y Y R	R R R R	G G Y R	R
PEDESTRIAN SIGNALS CROSSING - NORTH SIDE OF INDIAN TRAIL		DW DW DW DW	W* FL** DW DW	DW DW	W* FL** DW DW DW	DW DW DW DW DW	DW DW DW DW DW	DW DW DW DW	DW DW DW DW	DARK
PEDESTRIAN SIGNALS CROSSING - WEST SIDE OF HIGHLAND AVENUE		DW DW DW DW	DW DW DW	DW DW	DW DW DW DW	DW DW DW DW DW	W* FL** DW DW DW	DW DW DW DW	W* FL** DW DW	DARK

NOTE: PHASES 2+6 SHALL BE ON RECALL

* TO APPEAR ONLY UPON PUSH BUTTON ACTIVATION

** FLASHING "DONT WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE

W = WALK

FL DW = FLASHING "DONT WALK"

DW = "DONT WALK"

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	10	13	17	21	24													
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	1J	1K	1L	1M	1N	1P	1Q	1R	1S	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		2	1C	2	2	1G	2	2	1J	2	1L	2	1N	2	1Q	2	1S	2	3	4	5	
INDIAN TRAIL MID MAST ARM SIGNAL	E/B	R	R	R	G	G	G	R	R	R	R	R	R	R	G	G	R	R	G	Y	R	R	△
INDIAN TRAIL FAR LEFT AND END MAST ARM SIGNALS	E/B	R→G	R	R	G→G	G	G	R	R	R	R	R	R	R	G	G	R	R	G→G	Y	R	R	△
INDIAN TRAIL MID MAST ARM SIGNAL	W/B	R	Y	R	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△
INDIAN TRAIL FAR LEFT AND END MAST ARM SIGNALS	W/B	R→Y	Y	R	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△
HIGHLAND AVENUE MID MAST ARM SIGNAL	N/B	R	R	R	R	R	R	R	R	Y	R	Y	R	R	R	Y	R	R	R	R	R	G	△
HIGHLAND AVENUE FAR LEFT AND END MAST ARM SIGNALS	N/B	R	R	R	R	R	R	R→Y	R	R	Y	R	Y	R	R	R	Y	R	R	R	R	G	△
HIGHLAND AVENUE NEAR RIGHT AND MID MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	Y	R	R	R	R	G	△
HIGHLAND AVENUE FAR LEFT AND END MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R→Y	Y	R	R	R	Y	R	R	R	Y	R	R	R	R	G	△
PEDESTRIAN SIGNALS CROSSING - NORTH SIDE OF INDIAN TRAIL		DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	△
PEDESTRIAN SIGNALS CROSSING - WEST SIDE OF HIGHLAND AVENUE		DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	△

△ 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 AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

HOLD

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

⚠

																											PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	
CHANGE FROM NORMAL SEQUENCE OF OPERATIONS INTERVAL NUMBER		1	5		5		8		8		10		10		13		17		17		21		21		24		24		
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		2	3	CLEAR TO NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		2 OR 3	2	1D	1E	3	2	1H	3	2	1L	1M	3	2 OR 3	1Q	1R	2	3	1U	2	3	1X	1Y	2	3				
INDIAN TRAIL MID MAST ARM SIGNAL	E/B	R	R	R	R	R	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R		G	R	◇
INDIAN TRAIL FAR LEFT AND END MAST ARM SIGNALS	E/B	R→Y	R	R	R	R	G→Y	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R		G	R	◇
INDIAN TRAIL MID MAST ARM SIGNAL	W/B	R	G	G	Y	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R		G	R	◇
INDIAN TRAIL FAR LEFT AND END MAST ARM SIGNALS	W/B	R→Y	G→Y	G→G	Y	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R		G	R	◇
HIGHLAND AVENUE MID MAST ARM SIGNAL	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	G	Y	R	G		R	G	◇
HIGHLAND AVENUE FAR LEFT AND END MAST ARM SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R→Y	R	R	R	R	Y	R	G→Y	G	Y	R	G		R	G	◇
HIGHLAND AVENUE NEAR RIGHT AND MID MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	R	R	G	Y	R	G		R	G	◇
HIGHLAND AVENUE FAR LEFT AND END MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R→Y	G→G	Y	R	G→Y	R	R	R	G	Y	R	G		R	G	◇
PEDESTRIAN SIGNALS CROSSING - NORTH SIDE OF INDIAN TRAIL		DW	FL DW	FL DW	DW	DW	DW	DW	DW	FL DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW		DW	DW	◇
PEDESTRIAN SIGNALS CROSSING - WEST SIDE OF HIGHLAND AVENUE		DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	FL DW	DW	DW	FL DW		DW	DW	◇

◇ EMERGENCY VEHICLE SEQUENCES 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.

PLAN — SURVEYED / PLOTTED / GRADES CHECKED / R.M. NOTED / PROJECT ONE NOTATING CHKD / ALIGNMENT CHECKED / PLT. OF R.M.'s CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.M. NOTED / PROJECT ONE NOTATING CHKD / NOTE BOOK / NO. / BY / DATE

FILE NAME = ...\sheets\698_6_sig_05e_high.dgn	USER NAME = .USER.	DESIGNED -	REVISED ⚠ AS PER ICC COMMENTS 08/18/09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLER, RAILROAD PREEMPTION, AND EMERGENCY VEHICLE PREEMPTION SEQUENCES OF OPERATION
		DRAWN BAH	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED APS	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.
	PLOT DATE = 8/21/2009	DATE -	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00271-00-TL	KANE	30	25
		CONTRACT NO. 63246		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		