

### SEQUENCE OF OPERATION

MOVEMENT	1 + 5				1 + 6				2 + 5				2 + 6				3 + 7				3 + 8				4 + 7				4 + 8				FLASH
PHASE	1	2	3	4	5	6	7A	7B	8	9	10A	10B	11	12A	12B	13	14	15	16	17	18	19A	19B	20	21	22A	22B	23	24A	24B			
CHANGE TO		1+6	2+5	2+6 3+7 3+8 4+7 4+8		2+6	3+7 3+8 4+7 4+8			2+6	3+7 3+8 4+7 4+8			3+7 3+8 4+7 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						
SOUTHWEST HIGHWAY N/B NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	R	R	R	R	R	R	R	R	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
SOUTHWEST HIGHWAY N/B FAR LEFT AND END MAST ARM SIGNALS	←G	←Y	←G	←Y				←G	←Y				←G	←Y																			
SOUTHWEST HIGHWAY S/B NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	R	R	R	R	R	R	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		
SOUTHWEST HIGHWAY S/B FAR LEFT AND END MAST ARM SIGNALS	←G	←Y	←G	←Y				←G	←Y				←G	←Y																			
103RD STREET W/B NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	R	R	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	R	R	R	R		
103RD STREET W/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←G	←Y	←G	←Y	←G	←Y	Y	R	R	R	R	R	R	R	R		
VIRGINIA AVENUE E/B NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	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	Y	R	R		
VIRGINIA AVENUE E/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←G	←Y	←G	←Y	←G	←Y		←G	←Y		←G	←Y					
PEDESTRIAN CROSSING NE LEG OF SOUTHWEST HIGHWAY	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW		
PEDESTRIAN CROSSING 103rd STREET EAST LEG	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	
FLASHING BEACON	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	

PHASE 2 AND 6 SHALL BE PLACED ON RECALL.

\*\*FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE

\*TO APPEAR ONLY UPON PUSH BUTTON

### EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	1	5	5	5	8	8	8	11	11	11	13	13	17	17	17	20	20	20	23	23	23	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	CLEAR TO NORMAL SEQUENCE														
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	2	3	4			
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	OR 3	4	2	1E	3	4	2	1J	3	1L	4	2	1P	3	1R	4	2	OR 3	4	1V	2	3	1Y	4		1AA	2	3	1DD	4	1FF	2	3	1JJ	4		◇		
SOUTHWEST HIGHWAY N/B NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	R	R	R	R	R	R	G	Y	R	Y	R	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	
SOUTHWEST HIGHWAY N/B FAR LEFT AND END MAST ARM SIGNALS	←Y	←Y					←Y					←Y																												
SOUTHWEST HIGHWAY S/B NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	R	R	G	Y	R	G	R	R	R	R	R	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		
SOUTHWEST HIGHWAY S/B FAR LEFT AND END MAST ARM SIGNALS	←Y	←G	←Y				←G					←G																												
103RD STREET W/B NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
103RD STREET W/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←Y	←Y	←Y	←Y	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
VIRGINIA AVENUE E/B NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	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	R	R	R	R	R	R	R	R
VIRGINIA AVENUE E/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←Y	←Y																			
PEDESTRIAN CROSSING NE LEG OF SOUTHWEST HIGHWAY	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	
PEDESTRIAN CROSSING 103rd STREET EAST LEG	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	DW	DW	W	FL DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING BEACON	DARK	FLASH	DARK	DARK	DARK	FLASH	DARK	DARK	DARK	DARK	FLASH	FLASH	DARK	DARK	FLASH	FLASH	DARK	DARK	DARK	DARK	FLASH	FLASH	DARK	DARK	DARK	FLASH	FLASH	DARK	DARK	DARK	DARK	DARK	FLASH	FLASH	DARK	DARK	FLASH			

◇ 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 OR 4 IS TERMINATED.

PREEMPTOR NUMBER 5 IS FOR FIRESTATION PUSHBUTTON.

REVISIONS	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**VILLAGE OF CHICAGO RIDGE**  
**SEQUENCE OF OPERATION**  
**EMERGENCY PREEMPTION SEQUENCE**  
**SOUTHWEST HIGHWAY/103rd STREET**  
**INTERSECTION IMPROVEMENTS**



SCALE: DATE: 06-17-2009  
 DRAWN BY: BL  
 DESIGNED BY: ERR  
 CHECKED BY: RB

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