

SEQUENCE OF OPERATION

MOVEMENT	↑ N	5 → 1 ← OL	← 6 ← OL	5 → 2 →	← 6 ← 2	4 ↑ 8 ↓	F L A S H														
PHASE		1+5	1+6	2+5	2+6	4+8															
INTERVAL		1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16A	16B		
CHANGE TO			1+6	2+5	2+8	θ	θ	2+6	θ	2+6				4+8				1+5	1+6	2+5	2+6
SOUTHWEST HIGHWAY RIGHT MAST ARM SIGNAL	E/B	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R
SOUTHWEST HIGHWAY END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R
SOUTHWEST HIGHWAY RIGHT MAST ARM SIGNAL	W/B	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R
SOUTHWEST HIGHWAY END MAST ARM AND FAR LEFT SIGNALS	W/B	R	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R
KILBOURN AVENUE FAR RIGHT AND NEAR RIGHT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R
KILBOURN AVENUE 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	G	G	Y	R
KILBOURN AVENUE ALL SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R
PEDESTRIAN SIGNALS CROSSING KILBOURN AVENUE ON NORTH SIDE OF SOUTHWEST HIGHWAY	DW	DW	DW	DW	DW	**FL DW	DW	DW	DW	DW	*W	**FL DW	DW	DW	DW	DW	DW	DW	DW	DW	D
PEDESTRIAN SIGNALS CROSSING KILBOURN AVENUE ON SOUTH SIDE OF SOUTHWEST HIGHWAY	DW	DW	DW	DW	DW	DW	DW	*W	**FL DW	DW	*W	**FL DW	DW	DW	DW	DW	DW	DW	DW	DW	D
PEDESTRIAN SIGNALS CROSSING SOUTHWEST HIGHWAY ON EAST SIDE OF KILBOURN AVENUE	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	*W	**FL DW	DW	DW
PEDESTRIAN SIGNALS CROSSING SOUTHWEST HIGHWAY ON WEST SIDE OF KILBOURN AVENUE	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	*W	**FL DW	DW	DW

PHASE 2+6 SHALL BE PLACED ON RECALL

* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

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

θ 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.

W = "WALK"
FL = FLASHING "DON'T WALK"
DW = "DON'T WALK"



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

RAILROAD PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5	8	11	14	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 2											
CHANGE TO RAILROAD 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	2	3	4	5	CLEAR TO NORMAL SEQUENCE	
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	1J	2	1L	2	1N	2	3	4	5			
SOUTHWEST HIGHWAY RIGHT MAST ARM SIGNAL	E/B	R	R	R	Y	R	Y	R	R	Y	R	R	R	R	R	R	R	G	△
SOUTHWEST HIGHWAY END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	Y	R	Y	R	R	Y	R	R	R	R	R	R	R	G	△
SOUTHWEST HIGHWAY RIGHT MAST ARM SIGNAL	W/B	R	Y	R	R	R	Y	R	R	Y	R	R	R	R	R	R	R	G	△
SOUTHWEST HIGHWAY END MAST ARM AND FAR LEFT SIGNALS	W/B	R	Y	R	R	R	Y	R	R	Y	R	R	R	R	R	R	R	G	△
KILBOURN AVENUE FAR RIGHT AND NEAR RIGHT SIGNALS	N/B	R	Y	R	R	R	Y	R	R	Y	R	R	R	R	R	R	R	G	△
KILBOURN AVENUE END MAST ARM AND FAR LEFT SIGNALS	N/B	R	Y	R	R	R	Y	R	R	Y	R	R	R	R	R	R	R	G	△
KILBOURN AVENUE ALL SIGNALS	S/B	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	R	R	△
PEDESTRIAN SIGNALS CROSSING KILBOURN AVENUE ON NORTH SIDE OF SOUTHWEST HIGHWAY	DW	FL DW	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	△
PEDESTRIAN SIGNALS CROSSING KILBOURN AVENUE ON SOUTH SIDE OF SOUTHWEST HIGHWAY	DW	DW	DW	FL DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	△
PEDESTRIAN SIGNALS CROSSING SOUTHWEST HIGHWAY ON EAST SIDE OF KILBOURN AVENUE	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	△
PEDESTRIAN SIGNALS CROSSING SOUTHWEST HIGHWAY ON WEST SIDE OF KILBOURN AVENUE	DW	DW	DW	DW	DW	DW	FL DW	DW	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 (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.



THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM" TO MATCH THE EXISTING SYSTEM AND MUNICIPAL REQUIREMENTS

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5	5	8	8	11	11	14	14	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4													
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	2	3	CLEAR TO NORMAL SEQUENCE		
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	1S	1T	2	3				
SOUTHWEST HIGHWAY RIGHT MAST ARM SIGNAL	E/B	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	G	R	◇	
SOUTHWEST HIGHWAY END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	G	R	◇	
SOUTHWEST HIGHWAY RIGHT MAST ARM SIGNAL	W/B	R	G	G	G	Y	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	G	R	◇	
SOUTHWEST HIGHWAY END MAST ARM AND FAR LEFT SIGNALS	W/B	R	G	G	G	Y	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	G	R	◇	
KILBOURN AVENUE FAR RIGHT AND NEAR RIGHT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	◇
KILBOURN AVENUE 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	G	Y	R	◇
KILBOURN AVENUE ALL SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	◇
PEDESTRIAN SIGNALS CROSSING KILBOURN AVENUE ON NORTH SIDE OF SOUTHWEST HIGHWAY	DW	FL DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	FL DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	◇	
PEDESTRIAN SIGNALS CROSSING KILBOURN AVENUE ON SOUTH SIDE OF SOUTHWEST HIGHWAY	DW	DW	DW	DW	DW	DW	FL DW	DW	FL DW	DW	DW	FL DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	◇	
PEDESTRIAN SIGNALS CROSSING SOUTHWEST HIGHWAY ON EAST SIDE OF KILBOURN AVENUE	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	◇	
PEDESTRIAN SIGNALS CROSSING SOUTHWEST HIGHWAY ON WEST SIDE OF KILBOURN AVENUE	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL 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.

△ INSTALLATION OF EMERGENCY VEHICLE PREEMPTION

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SEQUENCE OF OPERATION, RAILROAD
PREEMPTION SEQUENCE OF OPERATION AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE

SOUTHWEST HIGHWAY AT KILBOURN AVENUE

SCALE N.T.S. DRAWN BY FN
DATE 3/20/08 CHECKED BY GMZ

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