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

SEQUENCE OF OPERATION

RTE.	SECTION	N	COUN.	ΓY	SHEETS	NO.
	06-00169-0	00-TL	COO	(53	49
	CONTRACT	NO. 630	39			
FED. RO	AD DIST, NO.	ILLINOIS	FED.	AID	PROJECT	

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.
- HIS "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"

											MPTOR BER 3	PREEMPTOR NUMBER 4		PREEMPTOR NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		5		8	1	1	1	14									
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER			a sel		- 20	ı di			-4		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
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		NORMAL SEQUENC
SOUTHWEST HIGHWAY E/B RIGHT MAST ARM SIGNAL	R	R	R	Υ	R	Υ	R	R	R	Υ	R	R	R	R	R	R	G	Δ
SOUTHWEST HIGHWAY E/B END MAST ARM AND FAR LEFT SIGNALS	R ← Y	R	R	Υ	R	Υ	R	R	R	Υ	R	R	R	R	R	R	G	Δ
SOUTHWEST HIGHWAY W/B RIGHT MAST ARM SIGNAL	R	Υ	R	R	R	Υ	R	R	R	Υ	R	R	R	R	R	R	G	Δ
SOUTHWEST HIGHWAY W/B END MAST ARM AND FAR LEFT SIGNALS	R ← Y	Y	R	R	R	Υ	R	R	R	Υ	R	R	R	R	R	R	G	Δ
KILBOURN AVENUE N/B FAR RIGHT AND NEAR RIGHT SIGNALS	R Y →	R Y →	R	R	R	R	R	G	G	R	R	G	G	G	Υ	R	R	Δ
KILBOURN AVENUE N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	G	G	R	R	G	G	G ← G	Υ	R	R	Δ
KILBOURN AVENUE S/B ALL SIGNALS	R	R	R	R	R	R	R	Υ	R	R	R	Υ	R	R	R	R	R	Δ
PEDESTRIAN SIGNALS CROSSING KILBOURN AVENUE ON NORTH SIDE OF SOUTHWEST HIGHWAY	DW	FL DW	DW	DW	DVV	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	Δ
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	Δ
PEDESTRIAN SIGNALS CROSSING SOUTHWEST HIGHWAY ON EAST SIDE OF KILBOURN AVENUE	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	Δ
PEDESTRIAN SIGNALS CROSSING SOUTHWEST HIGHWAY ON WEST SIDE OF KILBOURN AVENUE	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	Δ
																	HOLD	

A 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 ((F APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

5555145765 | 5555145765

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

·																				PREEMPTOR	PREEMPTOR	
									·											NUMBER 3	NUMBER 4	
CHANGE FROM NORMAL SEQUENCE OF	1		5		5			8	l	8		11		11			14		14			
OPERATION INTERVAL NUMBER				ļ	,						·	<u> </u>		11					1-4			
EMERGENCY VEHICLE PREEMPTION SEQUENCE	1 1A	1B	1C	1D	1E	1F	1G	1 ₁ H	1.3	1K	1 _L	1M	1N	1P	10	1R	18	1T	1U	2	3	CLEAR
OF OPERATION INTERVAL NUMBER							,,,		'0	,,,		1,,,,	713	l ''	102	111	10		10		, , , , , , , , , , , , , , , , , , ,	TO
CHANGE TO EMERGENCY VEHICLE PREEMPTION	OR	10	2	1E	1F	3	1H	2	1 K	11	3	2	1P	10	3	15	1T	2	3			NORMAL
SEQUENCE OF OPERATION INTERVAL NUMBER	3				L						L			1,0			- ' '		Ŭ			SEQUENCE
SOUTHWEST HIGHWAY E/	BIR	l R	R	l R	R	R	G	l G	G	l 🗸	R	l G	G	V	R	R	R	R	R	G	R	\Q
RIGHT MAST ARM SIGNAL					- ``				L	<u> </u>				<u>'</u>	11	10	- 1		- 1			\ \ \
SOUTHWEST HIGHWAY E/		. R	R	R	R	R	G	G	G	Ιv	R	l G	G	V	R	R	R	R	R	G	R	O
END MAST ARM AND FAR LEFT SIGNALS	+	Y		<u> </u>		L .`	← G	← Y	← G	<u>'</u>			L	Ι''	- ' '	- '`		- 1		0		V
SOUTHWEST HIGHWAY W	/B R	G	G	G	Y	R	R	l R	R	R	R	G	G	V	R	R	R	R	R	G	R	0
RIGHT MAST ARM SIGNAL				_		_ ··			.,				L_	<u> </u>	- ' '		,,					
SOUTHWEST HIGHWAY W		G	G	G	V	R	R	R	R	l _R	R	l G	G	V	R	R	R	R	R	G	R	0
END MAST ARM AND FAR LEFT SIGNALS	+	Y ← G	← Y	← G					- '`				L	<u>L'</u>	- '`	- 1	- 11	10	'`		I K	
KILBOURN AVENUE N/		R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	V	R	G	R	G	0
FAR RIGHT AND NEAR RIGHT SIGNALS		> G →	> Y ->	G →	$Y \rightarrow$.,		- ' '	.,	- ` `		<u> </u>	<u> </u>	L'`			'			1	9	
KILBOURN AVENUE N/	BR	l R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	G	
END MAST ARM AND FAR LEFT SIGNALS				ļ								<u> </u>	<u> </u>							1		
KILBOURN AVENUE S/	BIR	l R	R	l R	R	l R	R	R	R	R	R	l R	R	R	R	G	Y	R	G	R	G	
ALL SIGNALS															- ` `							
PEDESTRIAN SIGNALS CROSSING KILBOURN AVENUE ON	DM	, FL	DW	FL	DW	DW	DW	DW	DW	DW	DW	FL	FL	DW	DW	DW	DW	DW	DW	l pw	l _{DW}	0
NORTH SIDE OF SOUTHWEST HIGHWAY		DW		DW								DW	DW									L v
PEDESTRIAN SIGNALS CROSSING KILBOURN AVENUE ON	DM	/ Low	DW	DW	DW	DW	FL	DW	FL	DW	DW	FL	FL	DW	DW	DW	DW	DW	DW	DW	DW	
SOUTH SIDE OF SOUTHWEST HIGHWAY			-			ļ	DW		DW			DW	DW			_ ,,						
PEDESTRIAN SIGNALS CROSSING SOUTHWEST HIGHWAY	l DM	/ l bw	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	l pw	DW	DW	FL	DW	DW	FL	DW	DW	0
ON EAST SIDE OF KILBOURN AVENUE				ļ								ļ.,,	L		200	DW	~ V V		DW		200	
PEDESTRIAN SIGNALS CROSSING SOUTHWEST HIGHWAY	DW	/ DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL	DW	DW	FL	DW	DW	0
ON WEST SIDE OF KILBOURN AVENUE									L			L				DW			DW			

RESTO

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, PAYEMENT, 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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

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.

1 INSTALLATION OF EMERGENCY VEHICLE PREEMPTION

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(947) 823-0500

REVISIONS	3	
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