

SEQUENCE OF OPERATION

MOVEMENT	5 → 1				← 6		5 → 2		← 6			4 ↑ 8			F	
PHASE	1+5				1+6		2+5		2+6			4+8			L	
INTERVAL	1	2	3	4	5	6	7	8	9	10A	10B	11	12	13A	13B	A
CHANGE TO		1+6	2+5	2+6		2+6		2+6		4+8					1+5 1+6 2+5 2+6	S
IL ROUTE 50 (CICERO AVENUE) FAR RIGHT SIGNAL	N/B	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R
IL ROUTE 50 (CICERO AVENUE) END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R
IL ROUTE 50 (CICERO AVENUE) NEAR AND FAR RIGHT SIGNALS	S/B	R	R	R	R	G	G	R	R	G	Y	R	R	R	R	R
IL ROUTE 50 (CICERO AVENUE) END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	G	G	R	R	G	Y	R	R	R	R	R
94TH STREET ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R
94TH STREET ALL SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R
PEDESTRIAN SIGNALS CROSSING IL ROUTE 50 (CICERO AVENUE) ON SOUTH SIDE OF 94TH STREET	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	*W	**FL DW	DW	DW	DARK

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.

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

RAILROAD PREEMPTION SEQUENCE OF OPERATION

	1	5	7	9	11	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 2									
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER																	
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	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	2	1D	2	1F	2	1H	2	1K	2	1M	2	3	4	5		
IL ROUTE 50 (CICERO AVENUE) FAR RIGHT SIGNAL	N/B	R	R	Y	R	Y	R	R	Y	R	R	R	R	R	R	R	△
IL ROUTE 50 (CICERO AVENUE) END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	Y	R	Y	R	R	Y	R	R	R	R	R	R	R	△
IL ROUTE 50 (CICERO AVENUE) NEAR AND FAR RIGHT SIGNALS	S/B	R	G	R	R	G	G	R	R	G	G	R	R	G	Y	R	△
IL ROUTE 50 (CICERO AVENUE) END MAST ARM AND FAR LEFT SIGNALS	S/B	R	G	R	R	G	G	R	R	G	G	R	R	G	Y	R	△
94TH STREET ALL SIGNALS	E/B	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	G	△
94TH STREET ALL SIGNALS	W/B	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	G	△
PEDESTRIAN SIGNALS CROSSING IL ROUTE 50 (CICERO AVENUE) ON SOUTH SIDE OF 94TH STREET	DW	DW	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 (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

	1	5	5	7	7	9	9	11	11	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4						
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER																	
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	2	3	CLEAR TO NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	2	1D	3	2	1G	3	2	1K	3	1M	1N	2	3			
IL ROUTE 50 (CICERO AVENUE) FAR RIGHT SIGNAL	N/B	R	R	R	R	G	Y	R	G	Y	R	R	R	R	G	R	◇
IL ROUTE 50 (CICERO AVENUE) END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	G	Y	R	G	Y	R	R	R	R	G	R	◇
IL ROUTE 50 (CICERO AVENUE) NEAR AND FAR RIGHT SIGNALS	S/B	R	G	Y	R	R	R	R	G	Y	R	R	R	R	G	R	◇
IL ROUTE 50 (CICERO AVENUE) END MAST ARM AND FAR LEFT SIGNALS	S/B	R	G	Y	R	R	R	R	G	Y	R	R	R	R	G	R	◇
94TH STREET ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	◇
94TH STREET ALL SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	◇
PEDESTRIAN SIGNALS CROSSING IL ROUTE 50 (CICERO AVENUE) ON SOUTH SIDE OF 94TH STREET	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL 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.

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

△ 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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

△ INSTALLATION OF EMERGENCY VEHICLE PREEMPTION

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

REVISIONS	
NAME	DATE
CBBEL	3/20/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SEQUENCE OF OPERATION, RAILROAD
 PREEMPTION SEQUENCE OF OPERATION AND
 EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL 50 (CICERO AVENUE) AND 94TH STREET

SCALE N.T.S
 DATE 3/20/08

DRAWN BY FN
 CHECKED BY GMZ

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