F.A RTE.	SECTION	1		COUN	ГҮ	TOTAL SHEETS	SHEET NO.					
	06-00169-0	0-TL		COOK	(	53	34					
CONTRACT NO. 63039												
FED. RO	DAD DIST. NO.	ILLIN	OIS	FED.	AID	PROJECT						

## **SEQUENCE OF OPERATION**

MOVEMENT N →	<b>→</b>		5 — 1			<b>←</b> 6 <b>←</b> 1		5 <del></del>		2→6			<b>↑ ↑ ↑ 8</b>				F
PHASE			1 -	+ 5		1	+ 6	2 ·	+ 5		2+6			4 -	+ 8		1 -
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· 2·	+5 +6 +5 +6	S H
IL ROUTE 50 (CICERO AVENUE) FAR RIGHT SIGNAL	N/B	R	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 <b>←</b> G	R <b>←</b> Y	R <b>←</b> G	R <b>←</b> Y	R	R	G <b>←</b> G	G <b>←</b> Y	G	Υ	R	R	R	R	R	F
IL ROUTE 50 (CICERO AVENUE) NEAR AND FAR RIGHT SIGNALS	S/B	R	R	R	R	G	G	R	R	G	Υ	R	R	R	R	R	F
IL ROUTE 50 (CICERO AVENUE) END MAST ARM AND FAR LEFT SIGNALS	S/B	R <b>←</b> G	R <b>←</b> G	R <b>←</b> Y	R <b>←</b> Y	G <b>←</b> G	G <b>←</b> Y	R	R	G	Υ	R	R	R	R	R	F
94TH STREET ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	Υ	R	F
94TH STREET ALL SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	F
PEDESTRIAN SIGNALS CROSSING IL ROUTE 50 (CI AVENUE) ON SOUTH SIDE OF 94TH STREET	CERO	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	* W	**FL DW	DW	DW	DA

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 DW = FLASHING "DON'T WALK"

DW = "DON'T WALK"

RAILROAD PREEMPTION SEQUENCE OF OPERATION											T		r	ī			
RAILROAD PREEMPTION SEQUENCE C	F UP	EKA	HUN						PREE	MPTOR	PREE	MPTOR	PREEMPTOR				
									NUM	BER 3	NUM	BER 4	NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF	4	5		7		9		1	90	7		400	27 % <b>(b</b>				
OPERATION INTERVAL NUMBER	'_			1		9	l '	1									
CHANGE FROM EMERGENCY VEHICLE PREEMPTION			-	ing the same		Eller III III III	30.7			2	l .	3					
SEQUENCE OF OPERATION INTERVAL NUMBER	50.26			4		100				2		2					
RAILROAD PREEMPTION SEQUENCE OF	1A	1B	1C	1D	1E	1F	1G	1H	4.	1K	1L	1M	2	_			CLEAR
OPERATION INTERVAL NUMBER	14	10	10	שו	1 =	''	10	I IH	1J	1K	1L	11/01	2	3	4	5	то
CHANGE TO RAILROAD PREEMPTION	2	2	1D	2	1F	2	1H	2	1K	2	1M	2	3	4	-		NORMAL
SEQUENCE OF OPERATION INTERVAL NUMBER			ם ו	2	16		I IM	2	I IN	2	IN	-	3	4	5		SEQUENCE
IL ROUTE 50 (CICERO AVENUE) N/B	R	R	V	R	v	R	R	R	V	R	R	R	R	R			
FAR RIGHT SIGNAL	- "	_ K	T .	"	Т	K	K	K	1		K	R	R	K	R	R	$  \Delta  $
IL ROUTE 50 (CICERO AVENUE) N/B	R	R	V	R	v	R	R	R	v	R	R	R	R	R			
END MAST ARM AND FAR LEFT SIGNALS	<b>←</b> Y	, r	l '	"	'	, r	, r	, rt	Т Т		K	ĸ	, R	K	R	R	$\Delta$
IL ROUTE 50 (CICERO AVENUE) S/B	R	G	R	R	G	G	R	R	G	G	R	R	G	V	R	R	A 1
NEAR AND FAR RIGHT SIGNALS		9	, n	"	٦	٦	K	, K	G	ا	K	ĸ	6	ľ	K	"	$  \Delta  $
IL ROUTE 50 (CICERO AVENUE) S/B	R	G	R	R	G	G	R	R	G	G			G	V	_		
END MAST ARM AND FAR LEFT SIGNALS	<b>←</b> G	<b>←</b> G	L .	"	٦	9	"	17	G	٦	R	R	<b>←</b> G	1	R	R	Δ
94TH STREET E/B	R	R	R	R	R	R	V	R	R	R	V	R	R	R	R	G	_
ALL SIGNALS		N	, n	"	, r	, T	1	K	, R	l K	1	ĸ	K	"	K	٦	$  \Delta  $
94TH STREET W/B	T <sub>R</sub>	R	R	R	R	R	V	R	R	R	v	R	R	R	R	_	
ALL SIGNALS	I K	Γ.	Γ.	"	K	K	1	ĸ	K	K	, t	ĸ	"	l K	R	G	Δ
PEDESTRIAN SIGNALS CROSSING IL ROUTE 50 (CICERO	DW	DW	DW	DW	DW	DW	FL	DW	DW	DW	DW	DW	DW	DW	DW	DW	A
AVENUE) ON SOUTH SIDE OF 94TH STREET	DVV	DVV	DVV	DVV	DVV	DVV	DW	DVV	DVV	DVV	DVV	שעט	. 000	DVV	DVV	DVV	$\Delta$
																HOLD	
																L	

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**

																PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1	5		5	7		7	9	9	9		11		11	* * *	* * 1	-
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
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		OR 3	2	1D	3	2	1G	3	2	1K	3	1M	1N	2	3		13. 2	NORMAL SEQUENCE
IL ROUTE 50 (CICERO AVENUE) FAR RIGHT SIGNAL	N/B	R	R	R	R	G	Υ	R	G	Y	R	R	R	R	R	G	R	<b>◊</b>
IL ROUTE 50 (CICERO AVENUE) END MAST ARM AND FAR LEFT SIGNALS	N/B	R <b>←</b> Y	R	R	R	G <b>←</b> Y	Υ	R	G	Υ	Я	R	R	R	R	G	R	<b>◊</b>
IL ROUTE 50 (CICERO AVENUE) NEAR AND FAR RIGHT SIGNALS	S/B	R	G	Υ	R	R	R	R	G	Υ	R	R	R	R	R	G	R	<b>◊</b>
IL ROUTE 50 (CICERO AVENUE) END MAST ARM AND FAR LEFT SIGNALS	S/B	R <b>←</b> Y	G <b>←</b> Y	Υ	R	R	R	R	G	Υ	R	R	R	R	R	G	R	<b>◊</b>
94TH STREET ALL SIGNALS	E/B	R	R-	R	R	R	R	R	R	R	R	G	Y	R	G	R	G	<b>♦</b>
94TH STREET ALL SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	O	Y	R	G	R	G	<b>\langle</b>
PEDESTRIAN SIGNALS CROSSING IL ROUTE 50 (CICE AVENUE) ON SOUTH SIDE OF 94TH STREET	RO	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	<b>◊</b>

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.

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

T RI

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.

1 INSTALLATION OF EMERGENCY VEHICLE PREEMPTION

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
8050esmont, Illinois 60018
(047) 823-0500

	REVISION:		
	NAME	DATE	ILLIN
Λ	CBBEL	3/20/08	SE
			PREEN
			EMERG
			IL
			50415

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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