

SEQUENCE OF OPERATION

MOVEMENT	5 → ← 1				← 6 1				5 → ← 2				2 → ← 6				7 ↘ ↙ 3				↘ ↙ 8				4 ↗ ↘				4 ↗ ↘ 8				F L A S H
PHASE	1 + 5				1 + 6				2 + 5				2 + 6				3 + 7				3 + 8				4 + 7				4 + 8				
INTERVAL	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		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	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	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			
SOUTHWEST HIGHWAY S/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			
SOUTHWEST HIGHWAY S/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	R	R	R	R	R	R	R	R	R	R	R			
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	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	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			
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	R	R	R	R	R	R	R	R	R	R	R			
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				

PHASE 2 AND 6 SHALL BE PLACED ON RECALL.

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	PREEMPTOR NUMBER																							CLEAR TO NORMAL SEQUENCE															
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23																		
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	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
SOUTHWEST HIGHWAY N/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
SOUTHWEST HIGHWAY N/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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
SOUTHWEST HIGHWAY S/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
SOUTHWEST HIGHWAY S/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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
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	R	R	R	R	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	R	R	R	R	R	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
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	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FLASHING BEACON	DARK	FLASH	DARK	DARK	DARK	FLASH	DARK	DARK	DARK	FLASH	FLASH	DARK	DARK	DARK	FLASH	FLASH	DARK	DARK	DARK	FLASH	FLASH	DARK	DARK	DARK	FLASH	FLASH	DARK	DARK	DARK	FLASH	FLASH	DARK	DARK	DARK	DARK	FLASH	DARK	DARK	

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	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 VILLAGE OF CHICAGO RIDGE  
 IL ROUTE 7 (SOUTHWEST HIGHWAY) VIRGINIA AVE./103RD STREET INTERSECTION IMPROVEMENTS  
**SEQUENCE OF OPERATION AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
 SCALE: NOT TO SCALE  
 DATE: 4/08/2003  
 DRAWN BY: FPB/FCP  
 DESIGNED BY: ABR  
 CHECKED BY: KRC

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

EXISTING SEQUENCES - INCLUDED FOR REFERENCE ONLY

FILE NAME = \MICROST\352107\ 85-3935.2.DGN

USER NAME = JGC	DESIGNED - BPT	REVISED -
PLOT SCALE = NOT TO SCALE	DRAWN - JGC/RDS	REVISED -
PLOT DATE = X	CHECKED - BPT	REVISED -
	DATE - XX-XX-13	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SEQUENCE OF OPERATION AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 IL ROUTE 7 (SOUTHWEST HIGHWAY) AT 103RD STREET  
 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

PREPARED BY:  
**CEMCON, Ltd.**  
 Consulting Engineers, Land Surveyors & Planners  
 2280 White Oak Circle, Suite 100  
 Aurora, Illinois 60504-9675  
 Ph: 630.862.2100 Fax: 630.862.2199  
 E-Mail: cadd@cemcon.com Website: www.cemcon.com

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2013-035TS	COOK	93	86
CONTRACT NO. 60W81				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				