

CONTRACT NO. 63003

SEQUENCE OF OPERATION

MOVEMENT	1 + 6			2 + 6			4 + 7			4 + 8			F			
	1	2	3	4	5	6A	6B	7	8	9A	9B	10	11	12	13A	13B
WILLIAMS STREET ALL SIGNALS	N/B	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R
WILLIAMS STREET END MAST ARM AND FAR LEFT SIGNALS	S/B	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R
WILLIAMS STREET NEAR RIGHT SIGNAL	S/B	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R
MARGARET STREET END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	R	G	G	Y	R	G	G	Y	R	R
MARGARET STREET NEAR RIGHT SIGNAL	E/B	R	R	R	R	R	R	G	G	Y	R	G	G	Y	R	R
MARGARET STREET END MAST ARM AND FAR LEFT SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R
MARGARET STREET NEAR RIGHT SIGNAL	W/B	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R
PEDESTRIAN SIGNALS CROSSING MARGARET ST. ON EAST SIDE OF WILLIAMS ST.	DW	DW	DW	*W	**FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
PEDESTRIAN SIGNALS CROSSING MARGARET ST. ON WEST SIDE OF WILLIAMS ST.	*W	**FL DW	DW	*W	**FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
PEDESTRIAN SIGNALS CROSSING WILLIAMS ST. ON NORTH SIDE OF MARGARET ST.	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	*W	**FL DW	DW	DW	R
PEDESTRIAN SIGNALS CROSSING WILLIAMS ST. ON SOUTH SIDE OF MARGARET ST.	DW	DW	DW	DW	DW	DW	DW	*W	**FL DW	DW	DW	*W	**FL DW	DW	DW	K

\* TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION

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

◇ 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"

PHASE 2+6 SHALL BE PLACED ON RECALL

RAILROAD PREEMPTION SEQUENCE OF OPERATION

OPERATION INTERVAL NUMBER	1	4	7	11	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 2	2	3	5	△	CLEAR TO NORMAL SEQUENCE		
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2												
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1I	1J	1K		
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	1H	2	3		
WILLIAMS STREET ALL SIGNALS	N/B	R	R	Y	R	R	R	R	R	R	R	G	△
WILLIAMS STREET END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	Y	R	R	R	R	R	R	R	G	△
WILLIAMS STREET NEAR RIGHT SIGNAL	S/B	Y	R	R	R	R	R	R	R	R	R	G	△
MARGARET STREET END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	Y	R	R	R	R	R	R	△
MARGARET STREET NEAR RIGHT SIGNAL	E/B	R	R	R	R	Y	R	R	R	R	R	R	△
MARGARET STREET END MAST ARM AND FAR LEFT SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	G	△
MARGARET STREET NEAR RIGHT SIGNAL	W/B	R	R	R	R	R	R	R	R	R	R	G	△
PEDESTRIAN SIGNALS CROSSING MARGARET ST. ON EAST SIDE OF WILLIAMS ST.	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	△
PEDESTRIAN SIGNALS CROSSING MARGARET ST. ON WEST SIDE OF WILLIAMS ST.	FL DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	△
PEDESTRIAN SIGNALS CROSSING WILLIAMS ST. ON NORTH SIDE OF MARGARET ST.	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	△
PEDESTRIAN SIGNALS CROSSING WILLIAMS ST. ON SOUTH SIDE OF MARGARET ST.	DW	DW	DW	DW	FL DW	DW	FL 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

⊙ RAILROAD PREEMPTION SEQUENCE SHALL CYCLE BETWEEN PHASES 2+6 AND 4+8 UNTIL RAILROAD PREEMPTION IS TERMINATED

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF SEPERATION

OPERATION INTERVAL NUMBER	1	4	7	11	PREEMPTOR NUMBER 3	2	CLEAR TO NORMAL SEQUENCE
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	2						
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	1D	2	1F	1G	2
WILLIAMS STREET ALL SIGNALS	N/B	R	G	Y	R	R	R
WILLIAMS STREET END MAST ARM AND FAR LEFT SIGNALS	S/B	G	G	Y	R	R	R
WILLIAMS STREET NEAR RIGHT SIGNAL	S/B	G	G	Y	R	R	R
MARGARET STREET END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	Y	R
MARGARET STREET NEAR RIGHT SIGNAL	E/B	R	R	R	R	Y	R
MARGARET STREET END MAST ARM AND FAR LEFT SIGNALS	W/B	R	R	R	R	R	G
MARGARET STREET NEAR RIGHT SIGNAL	W/B	R	R	R	R	R	G
PEDESTRIAN SIGNALS CROSSING MARGARET ST. ON EAST SIDE OF WILLIAMS ST.	DW	FL DW	DW	DW	DW	DW	DW
PEDESTRIAN SIGNALS CROSSING MARGARET ST. ON WEST SIDE OF WILLIAMS ST.	FL DW	FL DW	DW	DW	DW	DW	DW
PEDESTRIAN SIGNALS CROSSING WILLIAMS ST. ON NORTH SIDE OF MARGARET ST.	DW	DW	DW	DW	DW	DW	FL DW
PEDESTRIAN SIGNALS CROSSING WILLIAMS ST. ON SOUTH SIDE OF MARGARET ST.	DW	DW	DW	DW	FL 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 AFTER EMERGENCY VEHICLE 2 IS TERMINATED.

NOTE  
 \* 1. THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

VILLAGE OF THORNTON  
 LOCATION NO. 125

\* PLANS MODIFIED BY  
 ROBINSON ENGINEERING, LTD.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATIONS  
 WILLIAMS STREET & MARGARET STREET

REVISIONS	
NAME	DATE
* ADDED EV PREEMPTION	01/02/08

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_