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SEQUENCE OF OPERATIONS

Stacked cell entries are written top/bottom (e.g. R/G).

MOVEMENT																																															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	7	8	9	10A	10B	11A	11B	12	13A	13B	14A	14B	15A	15B	16A	16B	17	18	19A	19B	20A	20B	21A	21B	22	23A	23B	24A	24B	25A	25B	26	27	28A	28B	29A	29B	30A	30B	31A	31B	
CHANGE TO		1+6	2+5	2+6		2+6		2+6		3+7 4+7		3+8 4+8			1+5 2+5 4+8		1+6 2+6		3+8		4+7				1+5 1+6		2+5 2+6		4+8			1+5 2+5		1+5 2+5		4+8				1+5		1+6		2+5		2+6		
BUTTERFIELD ROAD N/B NEAR RIGHT AND FAR RIGHT SIGNALS	R/G	R/G	R/Y	R/Y	R/G	R/Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y/G	R/G	Y	R	G	G	R	R	R	R	R	R	R	G	G	Y/G	R/G	Y/G	R/G	Y	R	Y	R	R
BUTTERFIELD ROAD N/B MID-MOUNTED MAST ARM SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	G	G	R	R	R	R	R	R	R	G	G	Y	R	Y	R	Y	R	Y	R	R
BUTTERFIELD ROAD N/B END OF MAST ARM AND FAR LEFT SIGNALS	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-G	-Y	-R	-Y	-R	-G	-G	-Y	-R	-G	-G	-Y	-R	-Y	-R	-Y	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R
BUTTERFIELD ROAD S/B NEAR RIGHT AND FAR RIGHT SIGNALS	R/G	R/Y	R/G	R/Y	R	R	R/G	R/Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y/G	R/G	Y	R	G	G	G	G	Y/G	R/G	Y	R	Y/G	R/G	Y	R	R
BUTTERFIELD ROAD S/B MID-MOUNTED MAST ARM SIGNAL	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	G	Y	R	Y	R	G	G	G	G	Y	R	Y	R	Y	R	Y	R	R
BUTTERFIELD ROAD S/B END OF MAST ARM AND FAR LEFT SIGNALS	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-G	-Y	-R	-Y	-R	-Y	-R	-G	-G	-R	-R	-R	-R	-R	-R	-R	-R	-G	-Y	-R	-Y	-R	-Y	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R
ILL ROUTE 60 E/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	G	G	G	Y	R	Y	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
ILL ROUTE 60 E/B END OF MAST ARM AND FAR LEFT SIGNALS	R/-G	R/-Y	R/-G	R/-Y	R	R	G/-G	G/-Y	G	Y	R	Y	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
ILL ROUTE 60 W/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	G	G	R	R	G	Y/G	R/G	Y	R	R/G	R/Y	R	R/G	R/G	R/Y	R	R/G	R/G	R	R	R	R	R	R	R	R	R/G	R/Y	R	R/G	R/G	R/Y	R	R	R	R	R	R	R	R	R	R	R	R
ILL ROUTE 60 W/B END OF MAST ARM AND FAR LEFT SIGNALS	R/-G	R/-G	R/-Y	R/-Y	G/-G	G/-Y	R	R	G	Y	R	Y	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
△ PEDESTRIAN SIGNALS CROSSING EAST LEG OF ILL ROUTE 60	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	* W	** FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	* W	** FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DK

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 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.

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATIONS

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	1	1	5	5		5		7	7		7		9	9		12		12		12		17			17	22		22	22		26			26			26			PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	CLEAR TO NORMAL SEQUENCE
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	1KK	1LL	1MM	1NN	1PP	1QQ	1RR	2	3	4	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	3	4	2	1F	3	1H	4	2	1L	3	1N	4	2	1R	3 OR 4	1T	2	1V	3	1X	4	1Z	1AA	2 OR 3	4	1DD	2	3	1GG	4	1JJ	1KK	2	1MM	1NN	3	1QQ	1RR	4				
BUTTERFIELD ROAD N/B NEAR RIGHT AND FAR RIGHT SIGNALS	R/Y	R/Y	R/G	R/Y	R/Y	R	R/G	R/G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	R	R	R	R	G	Y	R	G	Y	R	G	G	G	R	R	G	◇
BUTTERFIELD ROAD N/B MID-MOUNTED MAST ARM SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	R	R	R	R	G	Y	R	G	Y	R	G	G	G	R	R	G	◇
BUTTERFIELD ROAD N/B END OF MAST ARM AND FAR LEFT SIGNALS	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-Y	-R	-Y	-R	-G	-G	-G	-Y	-R	-G	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-G	◇
BUTTERFIELD ROAD S/B NEAR RIGHT AND FAR RIGHT SIGNALS	R/Y	R/G	R/Y	R	R	R	R	R	R/Y	R/G	R/G	R/Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	Y	R	G	Y	R	G	G	G	G	Y	R	R	G	R	◇
BUTTERFIELD ROAD S/B MID-MOUNTED MAST ARM SIGNAL	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	Y	R	G	Y	R	G	Y	R	G	G	G	G	Y	R	R	G	R	◇
BUTTERFIELD ROAD S/B END OF MAST ARM AND FAR LEFT SIGNALS	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-Y	-R	-G	-G	-Y	-R	-R	-R	-R	-R	-Y	-R	-G	-Y	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-R	-G	-R	◇
ILL ROUTE 60 E/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	G	Y	R	Y	R	G	Y	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	G	R	R	◇
ILL ROUTE 60 E/B END OF MAST ARM AND FAR LEFT SIGNALS	R/-Y	R/-Y	R/-Y	R	R	R	R	R	G/-Y	Y	R	Y	R	G	Y	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	G	R	R	◇
ILL ROUTE 60 W/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	G	Y	R	Y	R	R	R	R	R	R	G	Y	R	R/G	R/G	R/Y	R	R/Y	R	R	R	R	R	R/G	R/G	R/Y	R/Y	R	R	R	R	R	R	R	R	R	R	G	R	R	◇
ILL ROUTE 60 W/B END OF MAST ARM AND FAR LEFT SIGNALS	R/-Y	R/-Y	R/-Y	G/-Y	Y	R	Y	R	R	R	R	R	R	G	Y	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	G	R	R	◇
△ PEDESTRIAN SIGNAL CROSSING EAST LEG OF ILL ROUTE 60	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	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. 3 OR 4 IS TERMINATED.

RAILROAD PREEMPTION SEQUENCE OF OPERATIONS

															PREEMPTOR NUMBER 3		PREEMPTOR NUMBER 4		PREEMPTOR NUMBER 5		PREEMPTOR NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		7	9		12		17		22		26												
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER															2		3		4						
RAILROAD 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	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	2	1F	2	1H	2	1K	2	1M	2	1P	2	1R	2	1T	2	1V	2	3	4	5		
BUTTERFIELD ROAD N/B NEAR RIGHT AND FAR RIGHT SIGNALS	R/Y	R/Y	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	G	△
BUTTERFIELD ROAD N/B MID-MOUNTED MAST ARM SIGNAL	R	R	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	G	△
BUTTERFIELD ROAD N/B END OF MAST ARM AND FAR LEFT SIGNALS	-R	-R	-R	-R	-R	-R	-Y	-R	-Y	-R	-R	-R	-R	-R	-R	-R	-R	-R	-Y	-R	-R	-R	-R	-R	△
BUTTERFIELD ROAD S/B NEAR RIGHT AND FAR RIGHT SIGNALS	R/Y	R	R	R/Y	R	R	R	R	R	R	Y	R	Y	R	R	R	Y	R	R	R	R	R	R	G	△
BUTTERFIELD ROAD S/B MID-MOUNTED MAST ARM SIGNAL	R	R	R	R	R	R	R	R	R	R	Y	R	Y	R	R	R	Y	R	R	R	R	R	R	G	△
BUTTERFIELD ROAD S/B END OF MAST ARM AND FAR LEFT SIGNALS	-R	-R	-R	-R	-R	-R	-Y	-R	-R	-R	-Y	-R	-R	-R	-R	-R	-Y	-R	-R	-R	-R	-R	-R	-R	△
ILL ROUTE 60 E/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	G	G	G	R	R	R	R	R	R	R	R	G	G	R	R	R	R	G	Y	R	R	△
ILL ROUTE 60 E/B END OF MAST ARM AND FAR LEFT SIGNALS	R/-G	R	R	G/-G	G	G	R	R	R	R	R	R	R	R	G	G	R	R	R	R	G/-G	Y	R	R	△
ILL ROUTE 60 W/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	Y	R	R	Y	R	R/Y	R	R	R	R/Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	△
ILL ROUTE 60 W/B END OF MAST ARM AND FAR LEFT SIGNALS	R/-Y	Y	R	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	△
△ PEDESTRIAN SIGNAL CROSSING EAST LEG OF ILL ROUTE 60	DW	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW HOLD	△

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.

TS# 6865
MUNDELEIN

FILE NAME = N:\Projects3\12004\DesignCAD\Sheet Files\12-003 Sheets SW Lake Co\06865A_CAB_LAKE.dgn	USER NAME = $USER$	DESIGNED - DW	REVISED -
		DRAWN - JDH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - KMM	REVISED -
	PLOT DATE = 8/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILL ROUTE 60 AT BUTTERFIELD ROAD
SEQUENCE OF OPERATIONS, EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATIONS AND RAILROAD PREEMPTION SEQUENCE OF OPERATIONS

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-039TS	LAKE	84	53
		CONTRACT NO. 60T84		
	ILLINOIS FED. AID PROJECT			