PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

																				NUMBER 3	NUMBER 4	NUMBER 5	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		5		5			3		8		11		11			14		14				CLEAR TO
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER		1A 1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	18	1T	10	2	3	4	NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2,3 OR 4	1C	2	1E	1F	3 OR 4	1H	2	1K	1L	3 OR 4	2	1P	1Q	3 OR 4	18	1T	2 OR 4	3				♦
ILL RTE 31 NB FAR RIGHT MAST ARM SIGNAL	R	R	R	R	R	R	G	G	G	Υ	R	G	G	Υ	R	R	R	R	R	G	R	R	\Diamond
ILL RTE 31 NB END MAST ARM AND FAR LEFT SIGNALS	R ← Y	R	R	R	R	R	G ← G	G ←Y	G ← G	Υ	R	G	G	Υ	R	R	R	R	R	G	R	R	♦
ILL RTE 31 SB FAR RIGHT MAST ARM SIGNAL	R	G	G	G	Υ	R	R	R	R	R	R	G	G	Υ	R	R	R	R	R	G	R	R	♦
ILL RTE 31 SB END MAST ARM AND FAR LEFT SIGNALS	R ← Y	G ← G	G ← Y	G ← G	Υ	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	G .	R	R	♦
STATE ST WB END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Υ	R	G	R	G	G ← G	♦
STATE ST WB FAR RIGHT MAST ARM SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	G	G	♦
STATE ST EB ALL MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Υ	R	G	R	G	R	♦
PEDESTRIAN SIGNALS CROSSING ILL RTE 31 NORTH OF STATE ST	Н	Н	Н	н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	FH	Н	Н	FH	Н	Н	Н	♦
PEDESTRIAN SIGNALS CROSSING ILL RTE 31 SOUTH OF STATE ST	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	н	Н	Н	FH	Н	Н	FH	Н	Н	Н	♦
PEDESTRIAN SIGNALS CROSSING STATE ST EAST OF ILL RTE 31	Н	Н	Н	Н	Н	Н	FH	Н	FH	Н	Н	FH	FH	н	Н	Н	Н	Н	Н	Н	Н	Н	♦
PEDESTRIAN SIGNALS CROSSING STATE STREET WEST OF ILL RTE 31	Н	FH	Н	FH	Н	Н	Н	Н	Н	Н	Н	FH	FH	Н	Н	Н	Н	Н	Н	Н	н	Н	♦

EMERGENCY VEHICLE PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2,3 OR 4 IS TERMINATED.

NOTE: PREEMPTOR NUMBER 5 SHALL BE THE EMERGENCY VEHICLE PREEMPTOR/LIGHT DETECTOR FOR THE FIRE STATION DRIVEWAY

PROPOSED SEQUENCE OF OPERATION

MOVEMENT T		1	L, 75		,6	1	1	5	1	2 ↓	1) ⁶	2	^			←		F
PHASE		1.	+5		Ť	1+6			2+5			2-	+6			4+	-8		╽┕
INTERVAL.	1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16A	16B] A
CHANGE TO		1+6	2+5	2+6	θ/	9/	2+6	θ/	€/	2+6	θ/	θ/	4-	+8	θ/	θ/	1+	+5 +5 +6	S
ILL RTE 31 NB FAR RIGHT MAST ARM SIGNAL	R	R	R	R	R	R	R	G	G	G	G	G	Υ	R	R	R	R	R	R
ILL RTE 31 NB END MAST ARM AND FAR LEFT SIGNALS	R 4⊢G	R ← Y	R ← G	R ← Y	R	R	R	G ← G	G ← G	G 4⊢Y	G	G	Υ	R	R	R	R	R	R
ILL RTE 31 SB FAR RIGHT MAST ARM SIGNAL	R	R	R	R	G	G	G	R	R	R	G	G	Υ	R	R	R	R	R	F
ILL RTE 31 SB END MAST ARM AND FAR LEFT SIGNALS	R ₄ G	R ← G	R ← Y	R ← Y	G ← G	G ← G	G ← Y	R	R	R	G	G	Υ	R	R	R	R	R	R
STATE ST WB END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Υ	R	R
STATE ST WB FAR RIGHT MAST ARM SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Υ	R	R
STATE STEB ALL MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Υ	R	F
PEDESTRIAN SIGNALS CROSSING ILL RTE 31 NORTH OF STATE ST	н	н	н	н	н	Н	Н	Н	н	Н	Н	Н	н	н	*Р	**FH	Н	Н	D
PEDESTRIAN SIGNALS CROSSING ILL RTE 31 SOUTH OF STATE ST	н	Н	Н	н	н	Н	Н	н	Н	Н	н	Н	Н	Н	*Р	**FH	н	Н	Α
PEDESTRIAN SIGNALS CROSSING STATE ST EAST OF ILL RTE 31	н	Н	н	н	н	Н	Н	*p	**FH	Н	*Р	*FH	н	н	н	н	Н	Н	R
PEDESTRIAN SIGNALS CROSSING STATE STREET WEST OF ILL RTE 31	Н	Н	Н	Н	*P	**FH	Н	Н	н	Н	*P	*FH	Н	н	н	н	Н	Н	K

* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

NOTE: PHASES 2 & 6 SHALL BE PLACED ON RECALL.

PREEMPTOR PREEMPTOR

** FLASHING ** IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

9 THIS ** OR FLASHING ** INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE ** OR FLASHING ** INTERVALS.

P=ILLUMINATED PERSON = WALK PH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK H= ILLUMINATED SOLID HAND = DON'T WALK
PHASES 2 AND 6 SHALL BE PLACED ON RECALL.

FL= FLASHING DK = DARK

FILE NAME =	USER NAME = GHA	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS	SEQUENCE OF OPERATION AND EMENGENCE	FA.U. RTE. SECTION	COUNTY TOTAL SHEET NO.
4085.852—TR1.dwg	PLOT SCALE = 1" = .0833'	DRAWN - ZCW CHECKED - KLB	REVISED -	DEPARTMENT OF TRANSPORTATION	VEHICLE PREEMPTION SEQUENCE OF OPERATION ILL ROUTE 31 (LA FOX STREET) AT STATE STREET	'ARIES 2009-105-TS	KANE 36 33 CONTRACT #: 60J01
	PLOT DATE = 12/9/2009	DATE - 11/20/09	REVISED -		SCALE: N.A. SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID	ID PROJECT