

SEQUENCE OF OPERATION

MOVEMENT	1		6 1		5 2		6 2		8		F										
PHASE	1 + 5		1 + 6		2 + 5		2 + 6		4 + 8		L										
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12A	12B	13	14	15A	15B	S			
CHANGE TO		1+6	2+5	2+6		2+6	φ	φ	2+6			4+8				1+5	1+6	2+5	2+6	H	
U.S. RTE 12-45 (MANNHEIM RD.) FAR RIGHT AND RIGHT MAST ARM SIGNALS	N/B	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	
U.S. RTE 12-45 (MANNHEIM RD.) FAR LEFT AND END MAST ARM SIGNALS	N/B	R	R	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	
U.S. RTE 12-45 (MANNHEIM RD.) FAR RIGHT AND RIGHT MAST ARM SIGNALS	S/B	R	R	R	R	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	
U.S. RTE 12-45 (MANNHEIM RD.) FAR LEFT AND END MAST ARM SIGNALS	S/B	R	R	R	R	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	
ARMITAGE AVENUE ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	
ARMITAGE AVENUE ALL SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	R	
PEDESTRIAN SIGNALS CROSSING U.S. RTE 12-45 (MANNHEIM RD.) ON NORTH SIDE OF ARMITAGE AVE.		H	H	H	H	H	H	H	H	H	H	H	H	H	*P	*FH	H	H	H	H	D
PEDESTRIAN SIGNALS CROSSING ARMITAGE AVE. ON EAST SIDE OF U.S. RTE 12-45 (MANNHEIM RD.)		H	H	H	H	H	H	*P	*FH	H	*P	*FH	H	H	H	H	H	H	H	H	A
																					R
																					K

* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

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

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

P = ILLUMINATED PERSON = WALK

FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK

H = ILLUMINATED SOLID HAND = DON'T WALK

PHASE 2+6 SHALL BE PLACED ON RECALL.

RAILROAD PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	PREEMPTOR NUMBER 3		PREEMPTOR NUMBER 4		PREEMPTOR NUMBER 2													
	1	5	7	10	13													
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER						2	3											
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	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	3	4	5			
U.S. RTE 12-45 (MANNHEIM RD.) FAR RIGHT AND RIGHT MAST ARM SIGNALS	N/B	R	R	R	G	G	G	R	R	G	G	R	R	G	Y	R	R	△
U.S. RTE 12-45 (MANNHEIM RD.) FAR LEFT AND END MAST ARM SIGNALS	N/B	R	R	R	G	G	G	R	R	G	G	R	R	G	Y	R	R	△
U.S. RTE 12-45 (MANNHEIM RD.) FAR RIGHT AND RIGHT MAST ARM SIGNALS	S/B	R	Y	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	△
U.S. RTE 12-45 (MANNHEIM RD.) FAR LEFT AND END MAST ARM SIGNALS	S/B	R	Y	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	△
ARMITAGE AVENUE ALL SIGNALS	E/B	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	R	G	△
ARMITAGE AVENUE ALL SIGNALS	W/B	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	R	G	△
PEDESTRIAN SIGNALS CROSSING U.S. RTE 12-45 (MANNHEIM RD.) ON NORTH SIDE OF ARMITAGE AVE.		H	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING ARMITAGE AVE. ON EAST SIDE OF U.S. RTE 12-45 (MANNHEIM RD.)		H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	△
INTERNALLY ILLUMINATED NRT SIGNS		NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	△
INTERNALLY ILLUMINATED NLT SIGNS		NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	△

△ 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

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	PREEMPTOR NUMBER 3		PREEMPTOR NUMBER 4																	
	1	5	5	7																
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	2	3	CLEAR TO NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	2	1D	3	1F	2	1H	1J	3	2	1M	1N	3	1Q	1R	2	3			◇
U.S. RTE 12-45 (MANNHEIM RD.) FAR RIGHT AND RIGHT MAST ARM SIGNALS	N/B	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	G	R	◇
U.S. RTE 12-45 (MANNHEIM RD.) FAR LEFT AND END MAST ARM SIGNALS	N/B	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	G	R	◇
U.S. RTE 12-45 (MANNHEIM RD.) FAR RIGHT AND RIGHT MAST ARM SIGNALS	S/B	R	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	G	R	◇
U.S. RTE 12-45 (MANNHEIM RD.) FAR LEFT AND END MAST ARM SIGNALS	S/B	R	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	G	R	◇
ARMITAGE AVENUE ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	◇
ARMITAGE AVENUE ALL SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	◇
PEDESTRIAN SIGNALS CROSSING U.S. RTE 12-45 (MANNHEIM RD.) ON NORTH SIDE OF ARMITAGE AVE.		H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	◇
PEDESTRIAN SIGNALS CROSSING ARMITAGE AVE. ON EAST SIDE OF U.S. RTE 12-45 (MANNHEIM RD.)		H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	◇

◇ 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 INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2 OR 3 IS TERMINATED.

FILE NAME =	USER NAME = kenthaphxjbc	DESIGNED - N.B.	REVISED -
PROJECT =		DRAWN - N.B.	REVISED -
PLOT SCALE = 48.0000 "/ IN.		CHECKED - D.B.	REVISED -
PLOT DATE = 10/10/2008		DATE - 09/04/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SEQUENCE OF OPERATION, RAILROAD PREEMPTION SEQUENCE, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			
US 12/2045 (MANNHEIM RD.) AT ARMITAGE AVENUE			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE. 330	SECTION 2008-006 TS	COUNTY COOK	TOTAL SHEETS 104	SHEET NO. 32
CONTRACT NO. 60E31				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		