

SEQUENCE OF OPERATION

| MOVEMENT | 1 | | 6 1 | | 5 2 | | 6 2 | | 4 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 |
| CHANGE TO | | 1+6 | 2+5 | 2+6 | 2+6 | 2+6 | 2+6 | 2+6 | 2+6 | 4+8 | 4+8 | 1+5 | 1+6 | 2+5 | 2+6 | | |
| 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 |
| 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 | G | Y | 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 |
| 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 |
| ARMITAGE AVENUE ALL SIGNALS | E/B | R | R | R | R | R | R | R | R | R | R | R | R | R | G | G | Y |
| ARMITAGE AVENUE ALL SIGNALS | W/B | R | R | R | R | R | R | R | R | R | R | R | R | R | G | G | Y |
| 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 |
| 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 |

* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

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

⊕ THIS "FH" OR FLASHING "FH" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "FH" OR FLASHING "FH" 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 | 1 | 5 | 7 | 10 | 13 | PREEMPTOR NUMBER 3 | PREEMPTOR NUMBER 4 | PREEMPTOR NUMBER 2 | | | | | | | | | |
|--|-----|-----|-----|-----|-----|--------------------|--------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------|
| 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 | 1 | 5 | 5 | 7 | 7 | 10 | 10 | 13 | 13 | PREEMPTOR NUMBER 3 | PREEMPTOR NUMBER 4 | 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 | 2 | 3 |
| 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 | FH | H | H | FH | FH | H | 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.