

SEQUENCE OF OPERATION

| MOVEMENT | N | ← 6 → | | | | ← 8 → | | | | F L A S H | | |
|--|-----|---------|----|----|----|---------|----|----|----|-----------------------|----|----|
| | | 1 | 2 | 3A | 3B | 4 | 5 | 6A | 6B | | 6C | 6D |
| PHASE | | 2+6 | | | | 4+8 | | | | | | |
| INTERVAL | | 1 | 2 | 3A | 3B | 4 | 5 | 6A | 6B | 6C | 6D | |
| CHANGE TO | | 4+8 | | | | 2+6 | | | | | | |
| US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS | N/B | G | G | Y | R | R | R | R | R | R | R | R |
| US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS | S/B | G | G | Y | R | R | R | R | R | R | R | R |
| PROSPECT AVE. (EAST OF TRACKS) ALL SIGNALS | W/B | R | R | R | R | G | G | Y | R | R | R | R |
| PROSPECT AVE. (WEST OF TRACKS) FAR RIGHT MAST ARM SIGNAL | W/B | R | R | R | R | G | G | G | G | Y | R | R |
| PROSPECT AVE. (WEST OF TRACKS) FAR LEFT AND MAST ARM SIGNALS | W/B | R | R | R | R | G | G | G | G | Y | R | R |
| PROSPECT AVE. ALL SIGNALS | E/B | R | R | R | R | G | G | G | G | Y | R | R |
| PEDESTRIAN SIGNALS CROSSING PROSPECT AVE. ON WEST SIDE OF US RTE. 12/45 | *W | **FL DW | DW | DW | DW | DW | DW | DW | DW | DW | DW | DW |
| PEDESTRIAN SIGNALS CROSSING US RTE. 12/45 ON SOUTH SIDE OF PROSPECT AVE. | DW | DW | DW | DW | *W | **FL DW | DW | DW | DW | DW | DW | DW |

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

| CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER | 1 | | 1 | | 4 | | 4 | | PREEMPTOR NUMBER 3 | PREEMPTOR NUMBER 4 | CLEAR TO NORMAL SEQUENCE |
|--|-------|----|-------|----|-------|----|-------|----|--------------------|--------------------|--------------------------|
| | 1A | 1B | 1C | 1D | 1E | 1F | 1G | 2 | 3 | | |
| EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER | 1A | 1B | 1C | 1D | 1E | 1F | 1G | 2 | 3 | | |
| CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER | 1B | 2 | 1D | 3 | 1F | 2 | 3 | | | | |
| US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS | N/B | G | G | G | Y | R | R | R | G | R | ◇ |
| US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS | S/B | G | G | G | Y | R | R | R | G | R | ◇ |
| PROSPECT AVE. (EAST OF TRACKS) ALL SIGNALS | W/B | R | R | R | R | Y | R | G | R | G | ◇ |
| PROSPECT AVE. (WEST OF TRACKS) FAR RIGHT MAST ARM SIGNAL | W/B | R | R | R | R | Y | R | G | R | G | ◇ |
| PROSPECT AVE. (WEST OF TRACKS) FAR LEFT AND MAST ARM SIGNALS | W/B | R | R | R | R | Y | R | G | R | G | ◇ |
| PROSPECT AVE. ALL SIGNALS | E/B | R | R | R | R | Y | R | G | R | G | ◇ |
| PEDESTRIAN SIGNALS CROSSING PROSPECT AVE. ON WEST SIDE OF US RTE. 12/45 | FL DW | DW | FL DW | DW | DW | DW | DW | DW | W | DW | ◇ |
| PEDESTRIAN SIGNALS CROSSING US RTE. 12/45 ON SOUTH SIDE OF PROSPECT AVE. | DW | DW | DW | DW | FL DW | DW | FL DW | W | DW | ◇ | |

RAILROAD PREEMPTION SEQUENCE OF OPERATION

| CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER | 1 | | 4 | | PREEMPTOR NUMBER 3 | PREEMPTOR NUMBER 4 | PREEMPTOR NUMBER 2 | CLEAR TO NORMAL SEQUENCE | | | | | |
|--|-------|-----|-------|-----|--------------------|--------------------|--------------------|--------------------------|-----|-----|-----|-----|---|
| | 1A | 1B | 1C | 1D | 1E | 1F | 1G | | | | | | |
| 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 | 2 | 3 | 4 | 5 | |
| CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER | 1B | 2 | 1D | 2 | 1F | 2 | 1H | 2 | 3 | 4 | 5 | | |
| US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS | N/B | Y | R | R | R | Y | R | R | R | R | R | G | △ |
| US RTE. 12/45 (MANNHEIM RD.) ALL SIGNALS | S/B | Y | R | R | R | Y | R | R | R | R | R | G | △ |
| PROSPECT AVE. (EAST OF TRACKS) ALL SIGNALS | W/B | R | R | Y | R | R | Y | R | R | R | R | R | △ |
| PROSPECT AVE. (WEST OF TRACKS) FAR RIGHT MAST ARM SIGNAL | W/B | R | R | G | G | R | R | G | G | G | Y | R | △ |
| PROSPECT AVE. (WEST OF TRACKS) FAR LEFT AND MAST ARM SIGNALS | W/B | R | R | G | G | R | R | G | G | G | Y | R | △ |
| PROSPECT AVE. ALL SIGNALS | E/B | R | R | Y | R | R | Y | R | R | R | R | R | △ |
| PEDESTRIAN SIGNALS CROSSING PROSPECT AVE. ON WEST SIDE OF US RTE. 12/45 | FL DW | DW | DW | DW | DW | DW | DW | DW | DW | DW | DW | DW | △ |
| PEDESTRIAN SIGNALS CROSSING US RTE. 12/45 ON SOUTH SIDE OF PROSPECT AVE. | DW | DW | FL DW | DW | DW | DW | DW | DW | DW | DW | DW | DW | △ |
| INTERNALLY ILLUMINATED NO RIGHT TURN SIGNS | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT | △ |
| INTERNALLY ILLUMINATED NO LEFT TURN SIGNS | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT | △ |

* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

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

◇ = 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 OR 3 IS TERMINATED.

△ = 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.

W = ILLUMINATED PERSON = WALK
 FL DW = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 DW = ILLUMINATED SOLID HAND = DON'T WALK

HOLD

NRT = "NO RIGHT TURN" OR 

NLT = "NO LEFT TURN" OR 

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TS-22

| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION |
|-----------|------|---|
| NAME | DATE | |
| | | SEQUENCE OF OPERATION, EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION AND RAILROAD PREEMPTION SEQUENCE OF OPERATION, US RTE. 12/45 (MANNHEIM RD.) AND PROSPECT AVE. SCALE: NONE DATE: FEBRUARY, 2005 DRAWN BY: RV/MD DESIGNED BY: DS CHECKED BY: AS/KG |
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