

SEQUENCE OF OPERATION

RAILROAD PREEMPTION SEQUENCE OF OPERATION

| MOVEMENT   | 1+5 |   |    |    | 1+6 |    |    |   | 2+5 |    |    |   | 2+6 |   |     |     | 3+7 |     |    |    | 3+8 |    |    |     | 4+7 |    |    |     | 4+8 |    |    |     |     |   |
|--|-----|---|----|----|-----|----|----|---|-----|----|----|---|-----|---|-----|-----|-----|-----|----|----|-----|----|----|-----|-----|----|----|-----|-----|----|----|-----|-----|---|
| PHASE  | 1+5 |   |    |    | 1+6 |    |    |   | 2+5 |    |    |   | 2+6 |   |     |     | 3+7 |     |    |    | 3+8 |    |    |     | 4+7 |    |    |     | 4+8 |    |    |     |     |   |
| INTERVAL   | 1   | 2 | 3A | 3B | 3C  | 4A | 4B | 5 | 6A  | 6B | 6C | 7 | 8   | 9 | 10A | 10B | 10C | 10D | 11 | 12 | 13  | 14 | 15 | 16A | 16B | 17 | 18 | 19A | 19B | 20 | 21 | 22A | 22B |   |
| CHANGE TO  | 1+6 |   |    |    | 2+5 |    |    |   | 2+6 |    |    |   | 3+7 |   |     |     | 3+8 |     |    |    | 4+7 |    |    |     | 4+8 |    |    |     |     |    |    |     |     |   |
| OAKTON STREET E/B END MAST ARM AND FAR LEFT SIGNALS                  | R   | R | R  | R  | R   | R  | R  | R | R   | R  | R  | R | R   | G | G   | G   | G   | G   | G  | G  | G   | G  | G  | G   | G   | G  | R  | R   | R   | R  | R  | R   | R   | R |
| OAKTON STREET E/B NEAR RIGHT AND FAR RIGHT SIGNALS                   | R   | R | R  | R  | R   | R  | R  | R | R   | R  | R  | R | R   | G | G   | G   | G   | G   | G  | G  | G   | G  | G  | G   | G   | G  | R  | R   | R   | R  | R  | R   | R   | R |
| OAKTON STREET (EAST OF TRACKS) W/B MAST ARM SIGNALS                  | R   | R | R  | R  | R   | R  | R  | G | G   | G  | G  | G | R   | R | G   | Y   | R   | R   | R  | R  | R   | R  | R  | R   | R   | R  | R  | R   | R   | R  | R  | R   |     |   |
| OAKTON STREET (EAST OF TRACKS) W/B NEAR LEFT SIGNAL                  | R   | R | R  | R  | R   | R  | R  | G | G   | G  | G  | G | R   | R | G   | Y   | R   | R   | R  | R  | R   | R  | R  | R   | R   | R  | R  | R   | R   | R  | R  | R   |     |   |
| OAKTON STREET (WEST OF TRACKS) W/B END MAST ARM AND FAR LEFT SIGNALS | R   | R | R  | R  | R   | R  | R  | G | G   | G  | G  | G | R   | R | G   | Y   | R   | R   | R  | R  | R   | R  | R  | R   | R   | R  | R  | R   | R   | R  | R  | R   |     |   |
| OAKTON STREET (WEST OF TRACKS) W/B NEAR LEFT SIGNAL                  | R   | R | R  | R  | R   | R  | R  | G | G   | G  | G  | G | R   | R | G   | Y   | R   | R   | R  | R  | R   | R  | R  | R   | R   | R  | R  | R   | R   | R  | R  | R   |     |   |
| OAKTON STREET (WEST OF TRACKS) W/B END MAST ARM AND FAR LEFT SIGNALS | R   | R | R  | R  | R   | R  | R  | G | G   | G  | G  | G | R   | R | G   | Y   | R   | R   | R  | R  | R   | R  | R  | R   | R   | R  | R  | R   | R   | R  | R  | R   |     |   |
| OAKTON STREET (WEST OF TRACKS) W/B NEAR LEFT SIGNAL                  | R   | R | R  | R  | R   | R  | R  | G | G   | G  | G  | G | R   | R | G   | Y   | R   | R   | R  | R  | R   | R  | R  | R   | R   | R  | R  | R   | R   | R  | R  | R   |     |   |
| LEHIGH AVENUE N/B END MAST ARM AND FAR LEFT SIGNALS                  | 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 |
| LEHIGH AVENUE N/B NEAR RIGHT AND FAR RIGHT SIGNALS                   | 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 |
| LEHIGH AVENUE S/B END MAST ARM AND FAR LEFT SIGNALS                  | 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 |
| LEHIGH AVENUE S/B NEAR RIGHT AND FAR RIGHT SIGNALS                   | 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 |
| LEHIGH AVENUE S/B END MAST ARM AND FAR LEFT SIGNALS                  | 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 |
| LEHIGH AVENUE S/B NEAR RIGHT AND FAR RIGHT SIGNALS                   | 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 |

PHASE 2+6 SHALL BE PLACED ON RECALL

W = "WALK"  
 FL = FLASHING "DON'T WALK"  
 DW = "DON'T WALK"



| CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER                       | 1   | 5   | 7   | 9   | 11  | 15  | 18  | 21  | 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  | 1N  | 1P  | 1Q  | 1R  | 1S  | 1T  | 1U  | 2   | 3   | 4   | CLEAR TO NORMAL SEQUENCE |
| CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER            | 2   | 1C  | 2   | 1E  | 2   | 1G  | 2   | 1J  | 2                  | 1L                 | 2                  | 1N  | 2   | 1Q  | 2   | 1S  | 2   | 1U  | 2   | 3   | 4   |     |                          |
| OAKTON STREET E/B END MAST ARM AND FAR LEFT SIGNALS                            | R   | R   | R   | Y   | R   | Y   | R   | R   | R                  | R                  | R                  | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | △                        |
| OAKTON STREET E/B NEAR RIGHT AND FAR RIGHT SIGNALS                             | R   | R   | R   | Y   | R   | Y   | R   | R   | R                  | R                  | R                  | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | △                        |
| OAKTON STREET (EAST OF TRACKS) W/B MAST ARM SIGNALS                            | R   | Y   | R   | R   | R   | Y   | R   | R   | R                  | R                  | R                  | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | △                        |
| OAKTON STREET (EAST OF TRACKS) W/B NEAR LEFT SIGNAL                            | R   | Y   | R   | R   | R   | Y   | R   | R   | R                  | R                  | R                  | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | △                        |
| OAKTON STREET (WEST OF TRACKS) W/B END MAST ARM AND FAR LEFT SIGNALS           | R   | G   | G   | R   | R   | G   | G   | R   | R                  | R                  | R                  | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | △                        |
| OAKTON STREET (WEST OF TRACKS) W/B NEAR LEFT SIGNAL                            | R   | G   | G   | R   | R   | G   | G   | R   | R                  | R                  | R                  | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | △                        |
| LEHIGH AVENUE N/B END MAST ARM AND FAR LEFT SIGNALS                            | R   | R   | R   | R   | R   | R   | R   | R   | R                  | R                  | R                  | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | △                        |
| LEHIGH AVENUE N/B NEAR RIGHT AND FAR RIGHT SIGNALS                             | R   | R   | R   | R   | R   | R   | R   | R   | R                  | R                  | R                  | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | △                        |
| LEHIGH AVENUE S/B END MAST ARM AND FAR LEFT SIGNALS                            | R   | R   | R   | R   | R   | R   | R   | R   | R                  | R                  | R                  | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | △                        |
| LEHIGH AVENUE S/B NEAR RIGHT AND FAR RIGHT SIGNALS                             | R   | R   | R   | R   | R   | R   | R   | R   | R                  | R                  | R                  | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | R   | △                        |
| INTERNALLY ILLUMINATED NO LEFT TURN SIGNS                                      | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT                | NLT                | NLT                | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT | NLT | △                        |
| INTERNALLY ILLUMINATED NO RIGHT TURN SIGNS                                     | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT                | NRT                | NRT                | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT | NRT | △                        |

HOLD

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

| CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER                     | 1  | 1  | 5  | 5  | 7  | 7  | 9  | 9  | 11 | 11 | 15 | 15 | 18 | 18 | 21 | 21 | 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                 | 1T                 | 1U                       | 2 | 3 |    |   |   |     |   |   |     |   |   |   |   |
| CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER | 1B | 2  | 1D | 3  | 1F | 1G | 2  | 1J | 1K | 3  | 2  | 1N | 3  | 2  | 1R | 1S | 1T                 | 3                  | 1V                       | 2 | 3 | 1Y | 2 | 3 | 1BB | 2 | 3 | 1EE | 2 | 3 |   |   |
| OAKTON STREET E/B END MAST ARM AND FAR LEFT SIGNALS                          | 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 |
| OAKTON STREET E/B NEAR RIGHT AND FAR RIGHT SIGNALS                           | 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 |
| OAKTON STREET (EAST OF TRACKS) W/B MAST ARM SIGNALS                          | R  | G  | R  | R  | G  | 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 |   |
| OAKTON STREET (EAST OF TRACKS) W/B NEAR LEFT SIGNAL                          | R  | G  | R  | R  | G  | 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 |   |
| OAKTON STREET (WEST OF TRACKS) W/B END MAST ARM AND FAR LEFT SIGNALS         | R  | G  | R  | R  | G  | 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 |   |
| OAKTON STREET (WEST OF TRACKS) W/B NEAR LEFT SIGNAL                          | R  | G  | R  | R  | G  | 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 |   |
| LEHIGH AVENUE N/B END MAST ARM AND FAR LEFT SIGNALS                          | 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 |
| LEHIGH AVENUE N/B NEAR RIGHT AND FAR RIGHT SIGNALS                           | 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 |
| LEHIGH AVENUE S/B END MAST ARM AND FAR LEFT SIGNALS                          | 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 |
| LEHIGH AVENUE S/B NEAR RIGHT AND FAR RIGHT SIGNALS                           | 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 |

△ 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 4 IS TERMINATED.

NRT = "NO RIGHT TURN" OR   
 NLT = "NO LEFT TURN" OR 

◇ 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 PREEMPTION INTERVAL 2 OR 3 IS TERMINATED.

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| REVISIONS |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SEQUENCE OF OPERATION, RAILROAD  
 PREEMPTION SEQUENCE OF OPERATION AND  
 EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 OAKTON STREET AT LEHIGH AVENUE  
 MORTON GROVE, ILLINOIS

SCALE: N.T.S.  
 DATE: 09-20-2004

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 DESIGNED BY: VO  
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