## EXISTING SEQUENCE OF OPERATION

| MOVEMENT  |     |                      |                          |               | <br> +                   |                          |      |    |               | -                        |               | <b>↓</b> →       |                       |     |    |                           |               |                                   | ] 4       | 1  |                           |                               |                              |          | +1                            |     |     |                      |                          | F |
|---|-----|----------------------|--------------------------|---------------|--------------------------|--------------------------|------|----|---------------|--------------------------|---------------|------------------|-----------------------|-----|----|---------------------------|---------------|-----------------------------------|-----------|----|---------------------------|-------------------------------|------------------------------|----------|-------------------------------|-----|-----|----------------------|--------------------------|---|
| PHASE   | ٩.  |                      |                          |               | 6                        |                          | ·    |    |               |                          |               | 8                | 3                     |     |    |                           |               |                                   | ] f       | 2  |                           | •                             |                              |          | 4                             |     |     |                      |                          | Α |
| INTERVAL  |     | 1                    | 2A                       | 2B            |                          | 3B                       | 3C   | 3D | 4             | 5A                       | 5B            | 6A               | 68                    | 6C  | 6D | 7                         | 8A            | 8B                                | 8C        | 8D | 9A                        | 9B                            | 10                           | 11A      | 118                           | 11C | 11D | 12A                  | 12B                      | s |
| CHANGE TO   |     |                      |                          | 3             |                          | 2 (                      | OR 4 |    |               | 6                        | 3             |                  | 2 OF                  | ₹ 4 |    |                           |               | 6 0                               | J<br>PR 8 |    | 4                         |                               |                              | 1        | 6 OR                          | 8 8 |     | 2                    |                          | Н |
| WOLF ROAD AT WESTBOUND FRONTAGE RD.<br>FAR RIGHT SIGNAL                   | N/B | R                    | R                        | R             | R                        | R                        | R    | R  | R             | R                        | R             | R                | R                     | R   | R  | <b>†</b><br>G             | <b>†</b><br>G | ¢<br>G                            | Υ         | R  | †<br>Ġ                    | †<br>Ġ                        | <b>†</b><br>G                | <b>†</b> | <b>†</b><br>G                 | Υ   | R   | <b>↑</b><br>G        | <b>↑</b><br>G            | R |
| WOLF ROAD AT WESTBOUND FRONTAGE RD.<br>END MAST ARM AND FAR LEFT SIGNAL   | N/B | R                    | R                        | R             | R                        | R                        | R    | R  | R             | R                        | R             | R                | R                     | R   | R  | G <b>†</b><br><b>∢</b> -G |               | G <del>↑</del><br><del>∢</del> -G | Υ         | R  | G <b>↑</b><br><b>∢</b> -G | G <del>↑</del><br><b>4-</b> G | G <del>↑</del><br><b>←</b> G |          | G <del>↑</del><br><b>4</b> -G | Υ   | R   | G <del>↑</del><br>←G | G <b>†</b><br><b>←</b> G | R |
| WOLF ROAD AT WESTBOUND FRONTAGE RD.<br>NEAR RIGHT AND FAR RIGHT SIGNALS   | S/B | G <del>↑</del><br>G→ | Υ                        | R             | Υ                        | 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 |
| WOLF ROAD AT WESTBOUND FRONTAGE RD.<br>END MAST ARM (FAR MAST ARM SIGNAL) | S/B | G∱                   | Υ                        | R             | Υ                        | 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 |
| WOLF ROAD AT EASTBOUND FRONTAGE RD.<br>NEAR RIGHT AND FAR RIGHT SIGNALS   | N/B | R                    | R                        | R             | R                        | R                        | R    | R  | R             | R                        | R             | R                | R                     | R   | R  | G <b>†</b><br>G→          | Υ             | R                                 | R         | R  | Υ                         | R                             | R                            | R        | R                             | R   | R   | R                    | R                        | R |
| WOLF ROAD AT EASTBOUND FRONTAGE RD.<br>END MAST ARM (FAR MAST ARM SIGNAL) | N/B | R                    | R                        | R             | R                        | R                        | R    | R  | R             | R                        | R             | R                | R                     | R   | R  | <b>∳</b><br>G             | Υ             | R                                 | R         | R  | Υ                         | R                             | R                            | R        | R                             | R   | R   | R                    | R                        | R |
| WOLF ROAD AT EASTBOUND FRONTAGE RD.<br>FAR RIGHT SIGNAL                   | S/B | <b>♠</b><br>G        | <b>♦</b><br>G            | <b>♦</b><br>G | <b>♦</b><br>G            | <b>∳</b><br>G            | Y    | R  | <b>†</b><br>G | <b>∳</b> G               | <b>♦</b><br>G | <b>†</b><br>G    | <b>↑</b><br>G         | Υ   | R  | R                         | R             | R                                 | R         | R  | R                         | R                             | R                            | R        | R                             | R   | R   | R                    | R                        | R |
| WOLF ROAD AT EASTBOUND FRONTAGE RD.<br>END MAST ARM AND FAR LEFT SIGNAL   | S/B |                      | G <b>↑</b><br><b>←</b> G |               | G <b>†</b><br><b>←</b> G | G <b>↑</b><br><b>←</b> G | Υ    |    |               | G <b>↑</b><br><b>←</b> G |               | G <b>†</b><br>←G | G <del>↑</del><br>∢-G | Υ   | R  | R                         | R             | R                                 | R         | R  | R                         | R                             | R                            | R        | R                             | R   | R   | R                    | R                        | R |
| WESTBOUND FRONTAGE RD. MAST ARM SIGNALS AND FAR LEFT SIGNAL               | W/B | R                    | R                        | R             | R                        | R                        | R    | R  | G             | Υ                        | R             | Υ                | R                     | Ŕ   | R  | R                         | R             | R                                 | R         | R  | R                         | R                             | R                            | R        | R                             | R   | R   | R                    | R                        | R |
| EASTBOUND FRONTAGE RD. MAST ARM SIGNALS AND FAR LEFT SIGANL               | E/B | R                    | R                        | R             | R                        | R                        | R    | R  | R             | R                        | R             | R                | R                     | R   | R  | R                         | R             | R                                 | R         | R  | R                         | R                             | G                            | Υ        | R                             | R   | R   | Υ                    | R                        | R |

| EXISTING | EMERGENCY | VEHICLE | PREEMPTION | SEQUENCE | OF | OPERATION |
|----------|-----------|---------|------------|----------|----|-----------|

| CHANGE FROM NORMAL SEQUENCE OF<br>OPERATION INTERVAL NUMBER                  |           |     |               |                      | 1                    |                      |    |              |               |                   |    | 4                 |      |       |   |               |       |      | 7  |              |                             |               |                      |               |                      | 10                   | -                    | <del></del> |              |                             |                      |                      |   | CLEA     | AR TO              |
|--|-----------|-----|---------------|----------------------|----------------------|----------------------|----|--------------|---------------|-------------------|----|-------------------|------|-------|---|---------------|-------|------|----|--------------|-----------------------------|---------------|----------------------|---------------|----------------------|----------------------|----------------------|-------------|--------------|-----------------------------|----------------------|----------------------|---|----------|--------------------|
| EMERGENCY VEHICLE PREEMPTION<br>SEQUENCE OF OPERATION INTERVAL NUMBER        | 14        | Δ : | 1B            | 1C                   | 1D                   | 1E                   | 1F | 1G           | 1H            | 1,1               | 18 | < 1L              | . 11 | M 1N  | 1 | P 10          | 1     | R IS | 1T | 10           | 1٧                          | 1₩            | 1X                   | 1Y            | 1Z                   | 1AA                  | 1BB                  | 1CC         | 1DD          | 2                           | 3                    | 4                    | 5 |          | RMAL               |
| CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER | 3         | 3 1 | 1C            | 5                    | 1E                   | 1F                   | 1G | 2<br>0R<br>4 | 5             | 1K                | 3  | 1M                | 1N   | IP    | 0 | ₹ 2           | 1     | S 1T | 1U | 3<br>OR<br>5 | 1W                          | 4             | 4                    | 1Z            | 2                    | 1BB                  | 1CC                  | 1DD         | 3<br>0R<br>5 |                             |                      |                      |   | SEQUENCE | JENCE              |
| WOLF ROAD AT WESTBOUND FRONTAGE RD. N/FAR RIGHT SIGNAL                       | B R       | 2   | R             | R                    | R                    | R                    | R  | R            | R             | R                 | R  | R                 | R    | R     | F | <b>†</b><br>G | 4     | G G  | Y  | R            | <b>↑</b><br>G               | <b>↑</b><br>G | <b>↑</b><br>G        | <b>↑</b><br>G | <b>↑</b><br>G        | <b>↑</b><br>G        | <b>↑</b><br>G        | Υ           | R            | <b>♦</b><br>G               | R                    | <b>↑</b><br>G        | F | : (      | <b>♦</b>           |
| WOLF ROAD AT WESTBOUND FRONTAGE RD. N/<br>END MAST ARM AND FAR LEFT SIGNAL   | B R       | 1   | R             | R                    | R                    | R                    | R  | R            | R             | R                 | R  | R                 | R    | R     | F |               | ;     | G G  | Y  | R            | <b>↑</b><br>G<br><b>↓</b> G | <b>+</b> G G  | ∳<br>G<br><b>◆</b> G | ↑<br>GG       | ∳<br>G<br><b>←</b> G | ∳<br>G<br><b>←</b> G | ∳<br>G<br><b>←</b> G | Υ           | R            | <b>♦</b><br>G<br><b>♦</b> G | R                    | †<br>G<br><b>→</b> G |   | : (      | <b>◊</b>           |
| WOLF ROAD AT WESTBOUND FRONTAGE RD. S/<br>NEAR RIGHT AND FAR RIGHT SIGNALS   | B G<br>G- |     | Y             | R                    | Y                    | R                    | R  | R            | R             | R                 | R  | R                 | R    | R     | F | R             | F     | R    | R  | R            | R                           | R             | R                    | R             | R                    | R                    | R                    | R           | R            | R                           | ∱<br>G<br><b>←</b> G | R                    | F | 1        | <b>◊</b>           |
| WOLF ROAD AT WESTBOUND FRONTAGE RD. S/<br>END MAST ARM (FAR MAST ARM SIGNAL) | B ♠<br>G  |     | Υ             | R                    | Y                    | R                    | R  | R            | R             | R                 | R  | R                 | R    | R     | F | R             | f     | R    | R  | R            | R                           | R             | R                    | R             | R                    | R                    | R                    | R           | R            | R                           | <b>†</b><br>G        | R                    | F | 1        | <b>♦</b>           |
| WOLF ROAD AT EASTBOUND FRONTAGE RD. N/<br>NEAR RIGHT AND FAR RIGHT SIGNALS   | B R       | 1   | R             | R                    | R                    | R                    | R  | R            | R             | R                 | R  | R                 | R    | R     | F | G<br>G        | :   ' | ( R  | R  | R            | Y                           | R             | R                    | R             | R                    | R                    | R                    | R           | R            | †<br>G<br>G→                | R                    | R                    | F | 1        | <b>◊</b>           |
| WOLF ROAD AT EASTBOUND FRONTAGE RD. N/<br>END MAST ARM (FAR MAST ARM SIGNAL) | BR        |     | R             | R                    | R                    | R                    | R  | R            | R             | R                 | R  | R                 | R    | R     | F | †<br>G        | ,     | / R  | R  | R            | Y                           | R             | R                    | R             | R                    | R                    | R                    | R           | R            | <b>↑</b><br>G               | R                    | R                    | F | 1        | <b>◊</b>           |
| WOLF ROAD AT EASTBOUND FRONTAGE RD. S/<br>FAR RIGHT SIGNAL                   | B ↑<br>G  |     | <b>♦</b><br>G | <b>♦</b><br>G        | <b>↑</b><br>G        | <b>♦</b><br>G        | Y  | R            | <b>↑</b><br>G | <b>↑</b><br>G     |    |                   | 4    |       | F | ₹ F           | !   1 | R    | R  | R            | R                           | R             | R                    | R             | R                    | R                    | R                    | R           | R            | R                           | <b>♦</b><br>G        | R                    | 1 | ; (      | <b>◊</b>           |
| WOLF ROAD AT EASTBOUND FRONTAGE RD. S/<br>END MAST ARM AND FAR LEFT SIGNAL   | G         | 3   | ∳<br>G-G      | ∳<br>G<br><b>←</b> G | ∳<br>G<br><b>∳</b> G | ∳<br>G<br><b>⊕</b> G | Y  | R            |               | <del>↑</del><br>G | Ġ  | G <del>4</del> -G | 10   | S I Y | F | ₹ R           |       | ₹ R  | R  | R            | R                           | R             | R                    | R             | R                    | R                    | R                    | R           | R            | R                           | ∳<br>G<br><b>↓</b> G | R                    | 4 | 3 (      | <b>◊</b>           |
| WESTBOUND FRONTAGE RD. MAST ARM SIGNALS AND FAR LEFT SIGNAL                  | BR        |     | R             | R                    | R                    | R                    | R  | R            | G             | Y                 | R  | Υ                 | R    | R     | F | R             | :     | R R  | R  | R            | R                           | R             | R                    | R             | R                    | R                    | R                    | R           | R            | R                           | R                    | R                    | 0 | ; (      | <b>◊</b>           |
| EASTBOUND FRONTAGE RD. E/<br>MAST ARM SIGNALS AND FAR LEFT SIGANL            | BR        | 1   | R             | R                    | R                    | R                    | R  | R            | R             | R                 | F  | R                 | F    | R R   | F | ₹   F         | :   1 | R R  | R  | R            | R                           | R             | G                    | Υ             | R                    | Y                    | R                    | R           | R            | R                           | R                    | G                    | F | ₹ /      | <b>\rightarrow</b> |

| RTE.              | SECTION  |          | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO |  |  |  |  |  |
|-------------------|----------|----------|--------|-----------------|-------------|--|--|--|--|--|
| 305               | 2004-108 | 8R       | COOK   | 72              | 40          |  |  |  |  |  |
| STA.              |          |          | TO STA | ١.              |             |  |  |  |  |  |
| FED. ROAD DIST. P | 101      | ILLINOIS | FED. A | AID PROJECT:    |             |  |  |  |  |  |

CONTRACT NO. 62853

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, 3, 4 OR 5 IS TERMINATED.



GANDHI AND ASSOCIATES, INC.
EKGREERS AND PLANNERS
EKGREERS AND THANNERS
STATE 306
STATE 306
HORTHERY
SLITE 306
HORTHERY
STATE 306
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ILLINOIS DEPARTMENT OF TRANSPORTATION PALATINE ROAD: WISCONSIN CENTRAL RR TO US 45/ILL 21 (Milwgukee Ave.)

REVISIONS
NAME DATE EXISTING SEQUENCE OF OPERATION, EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION WOLF ROAD & PALATINE RD.

SCALE: NONE DATE: 01/14/2005 DRAWN BY: JF/BC DESIGNED BY: ----CHECKED BY: PKG/RRM