

PLOTTED BY: jgrmovse  
 FILE: d098666b\burni\p\FINAL TRAC INGR\12B098666cde.dgn  
 PLOT SUBMITTED: 11-FEB-1999 16:32  
 09866CDE.DGN

# AUBURN ROAD

| AUBURN ROAD                |   |       |     |     |     |     |     |   |   |     |
|----------------------------|---|-------|-----|-----|-----|-----|-----|---|---|-----|
| PHASE TIMING (PHASE + KEY) |   |       |     |     |     |     |     |   |   |     |
| MANUAL FUNCTION            | K | PHASE |     |     |     |     |     |   |   |     |
|                            |   | Y     | 1   | 2   | 3   | 4   | 5   | 6 | 7 | 8   |
| MAX I                      | 0 | 50    | 17  | 38  | 35  | 50  | 38  |   |   |     |
| MAX II / HFDW              | 1 |       |     |     |     |     |     |   |   |     |
| WALK                       | 2 |       |     |     |     |     |     |   |   | 5   |
| FLASH DW                   | 3 |       |     |     |     |     |     |   |   | 33  |
| MAX INITIAL                | 4 |       |     |     |     |     |     |   |   |     |
| MIN GREEN                  | 5 | 30    | 7   | 8   | 7   | 30  | 8   |   |   |     |
| T B R                      | 6 |       |     |     |     |     |     |   |   |     |
| T T R                      | 7 |       |     |     |     |     |     |   |   |     |
| OBSERVE GAP                | 8 | /     | /   | /   | /   | /   | /   | / | / | /   |
| PASSAGE                    | 9 |       | 3.5 | 4   | 3   |     |     |   |   | 4   |
| MIN GAP                    | A |       |     |     |     |     |     |   |   |     |
| ADDED ACTUATION            | B |       |     |     |     |     |     |   |   |     |
| YELLOW                     | C | 5.1   | 3.6 | 3.6 | 4   | 5.1 | 3.6 |   |   | 3.6 |
| RED CLEAR                  | D | 1.4   | 2.7 | 2.9 | 1.6 | 1.4 | 2.9 |   |   | 2.9 |
| RED REVERT                 | E |       |     |     |     |     |     |   |   |     |
| WALK II                    | F |       |     |     |     |     |     |   |   |     |

| AUBURN ROAD               |   |              |   |   |   |   |   |   |   |   |
|---------------------------|---|--------------|---|---|---|---|---|---|---|---|
| PHASE FUNCTIONS (O + KEY) |   |              |   |   |   |   |   |   |   |   |
| MANUAL FUNCTION           | K | PHASE NUMBER |   |   |   |   |   |   |   |   |
|                           |   | Y            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| VEHICLE RECALL            | 0 |              | X |   |   |   |   |   | X |   |
| PED RECALL                | 1 |              |   |   |   |   |   |   |   |   |
| RED LOCK                  | 2 |              |   |   |   |   |   |   |   |   |
| YELLOW LOCK               | 3 |              |   |   |   |   |   |   |   |   |
| PERMIT                    | 4 |              | X | X | X | X | X | X | X | X |
| PED PHASES                | 5 |              |   |   |   |   |   |   |   |   |
| LEAD PHASES               | 6 | X            |   | X |   | X |   | X |   | X |
| DOUBLE ENTRY              | 7 |              | X |   | X |   | X |   | X |   |
| SEQUENTIAL TIMING         | 8 |              |   |   |   |   |   |   |   |   |
| START-UP GREEN            | 9 |              | X |   |   |   |   | X |   |   |
| OVERLAP A                 | A |              |   |   |   |   |   |   |   |   |
| OVERLAP B                 | B |              |   |   |   |   |   |   |   |   |
| OVERLAP C                 | C |              |   |   |   |   |   |   |   |   |
| OVERLAP D                 | D |              |   |   |   |   |   |   |   |   |
| EXCLUSIVE                 | E |              |   |   |   |   |   |   |   |   |
| SIMULTANEOUS GAP          | F |              |   |   |   |   |   |   |   |   |

## AUBURN ROAD LOOP DETECTOR CHART

| LOOP | SIZE | MODE  | #TURNS | DELAY | INHIBIT GRN Q | ASSOC Q | DET # | SLOT | INPUT FILE | CHANNEL | LEAD-IN TREMINALS | WAPITI DELAY ENTRY | COMMENTS       |
|------|------|-------|--------|-------|---------------|---------|-------|------|------------|---------|-------------------|--------------------|----------------|
| L1   | 6X30 | PRES  | 2      | -     | -             | 5       | 1     | 1    | J          | 1       | J1 - D,E          | -                  | -              |
| L2   | 6X30 | PRES  | 2      | -     | -             | 4       | 2     | 6    | I          | 1       | I6 - D,E          | -                  | -              |
| L3   | 8X30 | PRES  | 2      | 8     | 4             | 4       | 2     | 6    | I          | 2       | I6 - J,K          | D+2+A              | -              |
| L4   | 6X25 | PRES  | 2      | 6     | 3             | 3       | 3     | 5    | I          | 1       | I5 - D,E          | D+2+7              | -              |
| L5   | 7X35 | PRES  | 2      | 8     | 8             | 8       | 4     | 6    | J          | 1       | J6 - D,E          | D+3+9              | -              |
| L6   | 6X30 | PRES  | 2      | 3     | 8             | 8       | 4     | 6    | J          | 2       | J6 - J,K          | D+3+A              | -              |
| SL1  | 5X10 | PULSE | 3      | -     | -             | -       | 6     | 10   | J          | 1       | J10 - D,E         | -                  | INT 1, ADD=141 |
| SL2  | 5X10 | PULSE | 3      | -     | -             | -       | 6     | 10   | J          | 2       | J10 - J,K         | -                  | INT 1, ADD=142 |
| SL3  | 5X10 | PULSE | 3      | -     | -             | -       | 7     | 11   | J          | 1       | J11 - D,E         | -                  | INT 1, ADD=143 |
| SL4  | 5X10 | PULSE | 3      | -     | -             | -       | 7     | 11   | J          | 2       | J11 - J,K         | -                  | INT 1, ADD=144 |

# RAMP "D"

| SR 44 AND I-90 RAMP "D"    |   |       |   |     |     |     |     |     |   |   |
|----------------------------|---|-------|---|-----|-----|-----|-----|-----|---|---|
| PHASE TIMING (PHASE + KEY) |   |       |   |     |     |     |     |     |   |   |
| MANUAL FUNCTION            | K | PHASE |   |     |     |     |     |     |   |   |
|                            |   | Y     | 1 | 2   | 3   | 4   | 5   | 6   | 7 | 8 |
| MAX I                      | 0 | 50    |   |     | 30  | 15  | 50  | 30  |   |   |
| MAX II / HFDW              | 1 |       |   |     |     |     |     |     |   |   |
| WALK                       | 2 |       |   |     |     |     |     |     |   |   |
| FLASH DW                   | 3 |       |   |     |     |     |     |     |   |   |
| MAX INITIAL                | 4 |       |   |     |     |     |     |     |   |   |
| MIN GREEN                  | 5 | 30    |   | 12  | 7   | 30  | 12  |     |   |   |
| T B R                      | 6 |       |   |     |     |     |     |     |   |   |
| T T R                      | 7 |       |   |     |     |     |     |     |   |   |
| OBSERVE GAP                | 8 | /     | / | /   | /   | /   | /   | /   | / | / |
| PASSAGE                    | 9 |       |   |     | 3.5 | 3   |     | 3.5 |   |   |
| MIN GAP                    | A |       |   |     |     |     |     |     |   |   |
| ADDED ACTUATION            | B |       |   |     |     |     |     |     |   |   |
| YELLOW                     | C | 5.1   |   | 4.5 | 4   | 5.1 | 4.5 |     |   |   |
| RED CLEAR                  | D | 1.5   |   | 2.6 | 1.5 | 1.5 | 2.6 |     |   |   |
| RED REVERT                 | E |       |   |     |     |     |     |     |   |   |
| WALK II                    | F |       |   |     |     |     |     |     |   |   |

| SR 44 AND I-90 RAMP "D"   |   |              |   |   |   |   |   |   |   |   |
|---------------------------|---|--------------|---|---|---|---|---|---|---|---|
| PHASE FUNCTIONS (O + KEY) |   |              |   |   |   |   |   |   |   |   |
| MANUAL FUNCTION           | K | PHASE NUMBER |   |   |   |   |   |   |   |   |
|                           |   | Y            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| VEHICLE RECALL            | 0 |              | X |   |   |   |   | X |   |   |
| PED RECALL                | 1 |              |   |   |   |   |   |   |   |   |
| RED LOCK                  | 2 |              |   |   |   |   |   |   |   |   |
| YELLOW LOCK               | 3 |              |   |   |   |   |   |   | X |   |
| PERMIT                    | 4 |              | X |   | X | X | X | X | X |   |
| PED PHASES                | 5 |              |   |   |   |   |   |   |   |   |
| LEAD PHASES               | 6 | X            |   | X |   | X |   | X |   |   |
| DOUBLE ENTRY              | 7 |              |   |   | X |   |   |   | X |   |
| SEQUENTIAL TIMING         | 8 |              |   |   |   |   |   |   |   |   |
| START-UP GREEN            | 9 |              | X |   |   |   |   | X |   |   |
| OVERLAP A                 | A |              |   |   |   |   |   |   |   |   |
| OVERLAP B                 | B |              |   |   |   |   |   |   |   |   |
| OVERLAP C                 | C |              |   |   |   |   |   |   |   |   |
| OVERLAP D                 | D |              |   |   |   |   |   |   |   |   |
| EXCLUSIVE                 | E |              |   |   |   |   |   |   |   |   |
| SIMULTANEOUS GAP          | F |              |   |   |   |   |   |   |   |   |

## RAMP "D" LOOP DETECTOR CHART

| LOOP | SIZE | MODE  | #TURNS | DELAY | INHIBIT GRN Q | ASSOC Q | DET # | SLOT | INPUT FILE | CHANNEL | LEAD-IN TREMINALS | WAPITI DELAY ENTRY | COMMENTS       |
|------|------|-------|--------|-------|---------------|---------|-------|------|------------|---------|-------------------|--------------------|----------------|
| L1   | 6X6  | PRES  | 3      | -     | -             | 7       | 1     | 5    | J          | 1       | J5 - D,E          | -                  | -              |
| L2   | 6X6  | PRES  | 3      | -     | -             | 7       | 1     | 5    | J          | 2       | J5 - J,K          | -                  | -              |
| L3   | 6X30 | PRES  | 2      | 10    | 4             | 4       | 2     | 6    | I          | 1       | I6 - D,E          | D+2+9              | -              |
| L4   | 6X30 | PRES  | 2      | -     | -             | 5       | 3     | 1    | J          | 1       | J1 - D,E          | -                  | -              |
| SL3  | 5X10 | PULSE | 3      | -     | -             | -       | 4     | 9    | I          | 1       | I9 - D,E          | -                  | INT 2, ADD=141 |
| SL4  | 5X10 | PULSE | 3      | -     | -             | -       | 4     | 9    | I          | 2       | I9 - J,K          | -                  | INT 2, ADD=142 |
| SL5  | 5X10 | PULSE | 3      | -     | -             | -       | 5     | 10   | I          | 1       | I10 - D,E         | -                  | INT 2, ADD=143 |
| SL6  | 5X10 | PULSE | 3      | -     | -             | -       | 5     | 10   | I          | 2       | I10 - J,K         | -                  | INT 2, ADD=144 |
| SL7  | 5X10 | PULSE | 3      | -     | -             | -       | 6     | 10   | J          | 1       | J10 - D,E         | -                  | INT 2, ADD=145 |
| SL8  | 5X10 | PULSE | 3      | -     | -             | -       | 6     | 10   | J          | 2       | J10 - J,K         | -                  | INT 2, ADD=146 |
| SL9  | 5X10 | PULSE | 3      | -     | -             | -       | 7     | 11   | J          | 1       | J11 - D,E         | -                  | INT 2, ADD=147 |

# RAMPS "A" AND "B"

| RAMPS "A" AND "B"          |   |       |     |   |     |   |     |     |   |   |
|----------------------------|---|-------|-----|---|-----|---|-----|-----|---|---|
| PHASE TIMING (PHASE + KEY) |   |       |     |   |     |   |     |     |   |   |
| MANUAL FUNCTION            | K | PHASE |     |   |     |   |     |     |   |   |
|                            |   | Y     | 1   | 2 | 3   | 4 | 5   | 6   | 7 | 8 |
| MAX I                      | 0 | 21    | 50  |   | 33  |   | 50  | 33  |   |   |
| MAX II / HFDW              | 1 |       |     |   |     |   |     |     |   |   |
| WALK                       | 2 |       |     |   |     |   |     |     |   |   |
| FLASH DW                   | 3 |       |     |   |     |   |     |     |   |   |
| MAX INITIAL                | 4 |       |     |   |     |   |     |     |   |   |
| MIN GREEN                  | 5 | 7     | 30  |   | 12  |   | 30  | 12  |   |   |
| T B R                      | 6 |       |     |   |     |   |     |     |   |   |
| T T R                      | 7 |       |     |   |     |   |     |     |   |   |
| OBSERVE GAP                | 8 | /     | /   | / | /   | / | /   | /   | / | / |
| PASSAGE                    | 9 | 3     |     |   | 3.5 |   |     | 3.5 |   |   |
| MIN GAP                    | A |       |     |   |     |   |     |     |   |   |
| ADDED ACTUATION            | B |       |     |   |     |   |     |     |   |   |
| YELLOW                     | C | 4     | 5.1 |   | 4.5 |   | 5.1 | 4.5 |   |   |
| RED CLEAR                  | D | 1.6   | 1.2 |   | 2.6 |   | 1.2 | 2.6 |   |   |
| RED REVERT                 | E |       |     |   |     |   |     |     |   |   |
| WALK II                    | F |       |     |   |     |   |     |     |   |   |

| RAMPS "A" AND "B"         |   |              |   |   |   |   |   |   |   |   |
|---------------------------|---|--------------|---|---|---|---|---|---|---|---|
| PHASE FUNCTIONS (O + KEY) |   |              |   |   |   |   |   |   |   |   |
| MANUAL FUNCTION           | K | PHASE NUMBER |   |   |   |   |   |   |   |   |
|                           |   | Y            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| VEHICLE RECALL            | 0 |              | X |   |   |   |   | X |   |   |
| PED RECALL                | 1 |              |   |   |   |   |   |   |   |   |
| RED LOCK                  | 2 |              |   |   |   |   |   |   |   |   |
| YELLOW LOCK               | 3 |              |   |   |   |   |   |   | X |   |
| PERMIT                    | 4 | X            | X |   | X |   | X | X | X |   |
| PED PHASES                | 5 |              |   |   |   |   |   |   |   |   |
| LEAD PHASES               | 6 | X            |   | X |   | X |   | X |   | X |
| DOUBLE ENTRY              | 7 |              |   |   | X |   |   | X |   |   |
| SEQUENTIAL TIMING         | 8 |              |   |   |   |   |   |   |   |   |
| START-UP GREEN            | 9 |              | X |   |   |   |   | X |   |   |
| OVERLAP A                 | A |              |   |   |   |   |   |   |   |   |
| OVERLAP B                 | B |              |   |   |   |   |   |   |   |   |
| OVERLAP C                 | C |              |   |   |   |   |   |   |   |   |
| OVERLAP D                 | D |              |   |   |   |   |   |   |   |   |
| EXCLUSIVE                 | E |              |   |   |   |   |   |   |   |   |
| SIMULTANEOUS GAP          | F |              |   |   |   |   |   |   |   |   |

## RAMPS "A" & "B" LOOP DETECTOR CHART

| LOOP | SIZE | MODE  | #TURNS | DELAY | INHIBIT GRN Q | ASSOC Q | DET # | SLOT | INPUT FILE | CHANNEL | LEAD-IN TREMINALS | WAPITI DELAY ENTRY | COMMENTS       |
|------|------|-------|--------|-------|---------------|---------|-------|------|------------|---------|-------------------|--------------------|----------------|
| L1   | 6X30 | PRES  | 2      | -     | -             | 1       | 1     | 1    | I          | 1       | I1 - D,E          | -                  | -              |
| L2   | 5X10 | PRES  | 3      | -     | -             | 7       | 2     | 5    | J          | 1       | J5 - D,E          | -                  | -              |
| L3   | 6X30 | PRES  | 2      | 10    | 4             | 4       | 3     | 6    | I          | 1       | I6 - D,E          | D+2+9              | -              |
| SL12 | 5X10 | PULSE | 3      | -     | -             | -       | 5     | 11   | J          | 1       | J11 - D,E         | -                  | INT 3, ADD=143 |
| SL13 | 5X10 | PULSE | 3      | -     | -             | -       | 5     | 11   | J          | 2       | J11 - J,K         | -                  | INT 3, ADD=144 |
| SL14 | 5X10 | PULSE | 3      | -     | -             | -       | 6     | 10   | I          | 1       | I10 - D,E         | -                  | INT 3, ADD=145 |
| SL15 | 5X10 | PULSE | 3      | -     | -             | -       | 6     | 10   | I          | 2       | I10 - J,K         | -                  | INT 3, ADD=146 |
| SL16 | 5X10 | PULSE | 3      | -     | -             | -       | 4     | 10   | J          | 1       | J10 - D,E         | -                  | INT 3, ADD=141 |
| SL17 |      |       |        |       |               |         |       |      |            |         |                   |                    |                |