

| INDEX | | |
|-----------|--|------------------|
| SHEET NO. | SUBJECT | SUPERSEDES |
| 1 | Index | |
| 2 | Traffic Control Signs Index and General Notes | 801-TCSN-11 |
| 3 | Traffic Control Signs | 801-TCSN-01 - 10 |
| 4 | Traffic Control Signs | 801-TCSN 01 - 10 |
| 5 | Traffic Control Sign Design Details | 801-TCSN 12 - 13 |
| 6 | Traffic Control Sign Design Details | 801-TCSN 12 - 13 |
| 7 | Traffic Control Sign Design Details | 801-TCSN 12 - 13 |
| 8 | Temporary Panel Sign Breakaway Post Installation | 801-TCSN-14 |
| 9 | Wood Post Design for Temporary Panel Signs | 801-TCSN-15 |
| 10 | Traffic Control Devices Index and General Notes | 801-TCDV-02 |
| 11 | Channelizing Devices | 801-TCDV-01 |
| 12 | Merging or Shifting Taper | 801-TCDV-03 |
| 13 | Type III Barricade | 801-TCDV-04 |
| 14 | Typical Construction Sign Mounting | 801-TCDV-05 |
| 15 | Type III Barricade Application for Road Closure for Thru Traffic | 801-TCDV-06 |
| 16 | Type III Barricade Application for Road Closure to All Traffic | 801-TCDV-07 |
| 17 | U-Channel Steel Post Splice Detail | 801-TCDV-08 |
| 18 | Temporary Buzz Strips | 801-TCDV-09 |
| 19 | Worksite Speed Limit Sign Assembly for Intermittent Use | 801-TCDV-10 |
| 20 | Worksite Speed Limit Sign Assembly for Continuous Use | 801-TCDV-11 |
| 21 | Worksite Speed Limit Sign Assembly Longitudinal Placement | 801-TCDV-12 |
| 22 | Traffic Control Legend and General Notes | 801-TCLG-01 |

INDIANA DEPARTMENT OF TRANSPORTATION

RPD E 801-R-622d
INDEX

INDEX

| SHEET NO. | SUBJECT |
|-----------|--|
| 1 | Index |
| 2 | Traffic Control Signs |
| 3 | Traffic Control Signs |
| 4 | Traffic Control Sign Design Details |
| 5 | Traffic Control Sign Design Details |
| 6 | Traffic Control Sign Design Details |
| 7 | Temporary Panel Sign Breakaway Post Installation |
| 8 | Wood Post Design For Temporary Panel Signs |

GENERAL NOTES

1. The minimum vertical and horizontal clearances for construction signs shall be as shown on Sheet 14.
2. The minimum horizontal clearance for construction signs on curbed roadway sections shall be 2'-0" from the face of the curb to the near edge of the sign.
3. The minimum depth for wood or steel posts shall be 4 ft.
4. See Sheet 17 for U-Channel Steel Post Splice Detail.

INDIANA DEPARTMENT OF TRANSPORTATION

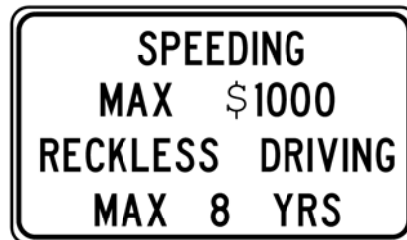
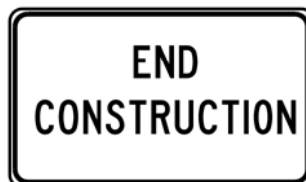
TRAFFIC CONTROL SIGNS
INDEX AND GENERAL NOTES

XW20-1
XW20-1-AXW21-8a
XW21-8a-AXW21-8b
XW21-8b-A

XW20-1a



XW103-1

XW2-6
XW2-6-AXW2-6a
XW2-6a-A
XW2-6a-BXW2-6b
XW2-6b-A
XW2-6b-B

XG20-2



XW3-4S

NOTES:

1. See Sheet 2 for general notes.
- ② Sign shall be removed, covered, or turned to face away from the roadway during non-working hours.
- ③ Sign may be ordered to read "500 FT", "1000 FT", or "1500 FT" in place of the word "AHEAD". Such signs may be used in place of, or in conjunction with the indicated sign.
- ④ Shaded text indicates message content that must be varied to reflect site conditions.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGNS
(1 of 2)



XW105-1-A



XW20-YWR(B)



XW20-YWR(A)



XW20-YWL(C)



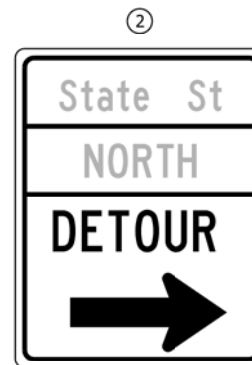
XW106-2-A



XW106-1-A



XM4-9d



XM4-9e

NOTES:

1. See Sheet 2 for general notes.
- ② Shaded text indicates message content that must be varied to reflect site conditions.



XW109-1

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGNS
(2 of 2)

| SIGN NUMBER | IMUTCD CODE | SIGN MESSAGE | POST DESIGN | | SIGN SIZE | SIGN COLOR | | BORDER WIDTH | MARGIN WIDTH | LETTER HEIGHT SERIES - LINE 1 | LETTER HEIGHT SERIES - LINE 2 | LETTER HEIGHT SERIES - LINE 3 | WORD OR LINE | PCT. | CORNER RADIUS | NO. OF POSTS | |
|------------------|-------------|----------------------------------|-------------|-------|-----------|---------------|-------|--------------|--------------|-------------------------------|-------------------------------|-------------------------------|--------------|------|---------------|--------------|---|
| | | | 4 X 4 WOOD | STEEL | | BACKGROUND | COPY | | | | | | | | | 1 | 2 |
| R2-1 | R2-1 | Speed Limit ____ | * | A | 24 X 30 | White | Black | | | | | | | | | X | |
| R2-1-B | R2-1 | Speed Limit ____ | * | B | 48 X 60 | White | Black | | | | | | | | | | X |
| R3-2-A (R or L) | R3-2 | (Movement Prohibition) | * | A | 30 X 30 | White | Black | | | | | | | | | X | |
| R3-2-C (R or L) | R3-2 | (Movement Prohibition) | * | B | 48 X 48 | White | Black | | | | | | | | | | X |
| R4-1 | R4-1 | Do Not Pass | * | A | 24 X 30 | White | Black | | | | | | | | | X | |
| R4-1-B | R4-1 | Do Not Pass | * | B | 48 X 60 | White | Black | | | | | | | | | | X |
| R5-1-A | R5-1 | Do Not Enter | * | A | 36 X 36 | Red | White | | | | | | | | | | X |
| R5-1-B | R5-1 | Do Not Enter | * | B | 48 X 48 | Red | White | | | | | | | | | | X |
| R6-1 (R or L) | R6-1 | One Way (Inside White Arrow) | * | A | 36 X 36 | White | Black | | | | | | | | | | X |
| R6-2-A (R or L) | R6-2 | One Way (Above White Arrow) | * | A | 24 X 30 | Black & White | Black | | | | | | | | | X | |
| R11-2 | R11-2 | Road Closed | * | B | 48 X 30 | White | Black | | | | | | | | | | X |
| R11-3 | R11-3 | Road Closed - Local Traffic Only | * | B | 60 X 30 | White | Black | | | | | | | | | | X |
| R11-4 | R11-4 | Road Closed to Thru Traffic | * | B | 60 X 30 | White | Black | | | | | | | | | | X |
| R12-1 | R12-1 | Weight Limit ____ Tons | * | A | 24 X 30 | White | Black | | | | | | | | | X | |
| R12-1-A | R12-1 | Weight Limit ____ Tons | - | B | 36 X 48 | White | Black | | | | | | | | | | X |
| S4-4 | S4-4 | When Flashing Plaque | * | - | 48 X 20 | White | Black | | | | | | | | | - | - |
| XW1-1-A (R or L) | W1-1 | (Turn Symbol) | * | A | 36 X 36 | Orange | Black | | | | | | | | | | X |
| XW1-1-B (R or L) | W1-1 | (Turn Symbol) | * | B | 48 X 48 | Orange | Black | | | | | | | | | | X |
| XW1-2-A (R or L) | W1-2 | (Curve Symbol) | * | A | 36 X 36 | Orange | Black | | | | | | | | | | X |
| XW1-2-B (R or L) | W1-2 | (Curve Symbol) | * | B | 48 X 48 | Orange | Black | | | | | | | | | | X |
| XW1-3-A (R or L) | W1-3 | (Reverse Turn Symbol) | * | A | 36 X 36 | Orange | Black | | | | | | | | | | X |
| XW1-3-B (R or L) | W1-3 | (Reverse Turn Symbol) | * | B | 48 X 48 | Orange | Black | | | | | | | | | | X |
| XW1-4-A (R or L) | W1-4 | (Reverse Curve Symbol) | * | A | 36 X 36 | Orange | Black | | | | | | | | | | X |
| XW1-4-B (R or L) | W1-4 | (Reverse Curve Symbol) | * | B | 48 X 48 | Orange | Black | | | | | | | | | | X |
| XW1-6 | W1-6 | (Single Headed Arrow) | * | B | 48 X 24 | Orange | Black | | | | | | | | | | X |
| XW1-6-A | W1-6 | (Single Headed Arrow) | * | B | 60 X 30 | Orange | Black | | | | | | | | | | X |
| XW2-6 | XW2-6 | Worksite Added Penalty | * | B | 60 X 36 | Orange | Black | 7/8 | 5/8 | 5 - Series C | 5 - Series C | 5 - Series C | 5 - Series C | | 2 1/4 | | X |
| XW2-6-A | XW2-6 | Worksite Added Penalty | * | B | 78 X 42 | Orange | Black | 7/8 | 5/8 | 6 - Series D | 6 - Series D | 6 - Series D | 6 - Series D | | 2 1/4 | | X |
| XW2-6a | XW2-6a | Speeding Max \$1000 | * | A | 30 X 30 | Orange | Black | 3/4 | 1/2 | 4 - Series C | 4 - Series C | | | | 1 7/8 | X | |
| XW2-6a-A | XW2-6a | Speeding Max \$1000 | * | A | 36 X 36 | Orange | Black | 7/8 | 5/8 | 5 - Series C | 5 - Series C | | | | 2 1/4 | | X |
| XW2-6a-B | XW2-6a | Speeding Max \$1000 | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 6 - Series D | 6 - Series D | | | | 3 | | X |
| XW2-6b | XW2-6b | Reckless Driving Max 8 Yrs | * | A | 30 X 30 | Orange | Black | 3/4 | 1/2 | 4 - Series C | 4 - Series C | | | | 1 7/8 | X | |
| XW2-6b-A | XW2-6b | Reckless Driving Max 8 Yrs | * | A | 36 X 36 | Orange | Black | 7/8 | 5/8 | 5 - Series C | 5 - Series C | | | | 2 1/4 | | X |
| XW2-6b-B | XW2-6b | Reckless Driving Max 8 Yrs | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 6 - Series D | 6 - Series D | | | | 3 | | X |

*Wood post permitted.

NOTES:

- ① Spacing between letters of word or line shall be reduced by percentage as shown.
2. See Standard Drawing Sheet 2 for general notes.
3. All dimensions are in inches.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGN DESIGN DETAILS
(1 of 3)

| SIGN NUMBER | IMUTCD CODE | SIGN MESSAGE | POST DESIGN | | SIGN SIZE | SIGN COLOR | | BORDER WIDTH | MARGIN WIDTH | LETTER HEIGHT SERIES - LINE 1 | LETTER HEIGHT SERIES - LINE 2 | LETTER HEIGHT SERIES - LINE 3 | WORD OR LINE | PCT. | CORNER RADIUS | NO. OF POSTS | |
|------------------|-------------|-----------------------------------|-------------|-------|-----------|------------|-------|--------------|--------------|---|-------------------------------|-------------------------------|--------------|------|---------------|--------------|---|
| | | | 4 X 4 WOOD | STEEL | | BACKGROUND | COPY | | | | | | | | | 1 | 2 |
| | | | | | | | | | | | | | | | | | |
| XW3-4S | - | Overhead Sign Installation | * | B | 60 X 24 | Orange | Black | 1/2 | 3/8 | 6 - Series C | 6 - Series C | | | | 1 1/2 | | X |
| XW3-5-A | W3-5 | (Reduced Speed Limit Ahead) | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW3-5-B | W3-5 | (Reduced Speed Limit Ahead) | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW3-5a-A | W3-5 | (Reduced Speed Limit Ahead) | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW3-5a-B | W3-5 | (Reduced Speed Limit Ahead) | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW4-2 (R or L) | W4-2 | (Lane Ends Merge _____ Symbol) | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW4-2-A (R or L) | W4-2 | (Lane Ends Merge _____ Symbol) | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW6-2a-A | W6-2 | (Divided Highway Ends Symbol) | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW6-2a-B | W6-2 | (Divided Highway Ends Symbol) | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW6-3-B | W6-3 | (Two Way Traffic Symbol) | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW8-1-A | W8-1 | Bump | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW8-1-B | W8-1 | Bump | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW8-2-A | W8-2 | Dip | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW8-2-B | W8-2 | Dip | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW8-3-A | W8-3 | Pavement Ends | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW8-4-A | W8-4 | Soft Shoulder | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW8-4-B | W8-4 | Soft Shoulder | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW8-6-A | W8-6 | Truck Crossing | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW8-6-B | W8-6 | Truck Crossing | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW9-1-A (R or L) | W9-1 | _____ Lane Ends | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW9-1-B (R or L) | W9-1 | _____ Lane Ends | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW9-2-B (R or L) | W9-2 | Lane Ends Merge _____ | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW12-1-C | W12-1 | Double Arrow | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW13-1-A | W13-1 | Advisory Speed Plaque | * | A | 36 X 36 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | - |
| XW20-1 | W20-1 | Road Construction Ahead | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 7 - Series C | 7 - Series C | 7 - Series C | Construction | 25 | 3 | | X |
| XW20-1-A | W20-1 | Road Construction Ahead | * | B | 60 X 60 | Orange | Black | 1 1/2 | 1 | 8 - Series C | 8 - Series C | 8 - Series C | Construction | 25 | 3 | | X |
| XW20-1a | W20-1 | Road Repairs Next _____ Miles | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 8 - Series C | 8 - Series C | 6 - Series C | | | 3 | | X |
| XW20-2 | W20-2 | Detour Ahead | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW20-3 | W20-3 | Road Closed Ahead | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW20-4 | W20-4 | One Lane Road Ahead | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW20-5 (R, C, or | W20-5 | _____ Lane Closed Ahead | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW20-7-A | W20-7 | Flagger Symbol | * | B | 48 X 48 | Orange | Black | | | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | X |
| XW20-YWR(A) | - | Wide Load Restriction _____ Miles | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 6 - Series D | 6 - Series D | 6 - Series D | | | 3 | | X |
| XW20-YWR(B) | - | Wide Load Over _____ ft Must Exit | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 6 - Series C | 6 - Series C | 6 - Series C | 6 - Series C | | 3 | | X |
| XW20-YWR(C) | - | No Loads Over _____ ft Wide | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 6 - Series D | 6 - Series D | 6 - Series D | 6 - Series D | | 3 | | X |

*Wood post permitted.

NOTES:

- ① Spacing between letters of word or line shall be reduced by percentage as shown.
2. See Sheet 2 for general notes.
3. All dimensions are in inches.

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SIGN DESIGN DETAILS
(2 of 3)

| ① | | | | | | | | | | | | | | | | | ① | |
|------------------|-------------|--|-------------|-------|-----------|----------------|-------|---|--------------|-------------------------------|-------------------------------|-------------------------------|--------------|------|---------------|--------------|------------|---|
| SIGN NUMBER | IMUTCD CODE | SIGN MESSAGE | POST DESIGN | | SIGN SIZE | SIGN COLOR | | BORDER WIDTH | MARGIN WIDTH | LETTER HEIGHT SERIES - LINE 1 | LETTER HEIGHT SERIES - LINE 2 | LETTER HEIGHT SERIES - LINE 3 | WORD OR LINE | PCT. | CORNER RADIUS | NO. OF POSTS | | |
| | | | 4 X 4 WOOD | STEEL | | BACKGROUND | COPY | | | | | | | | | 1 | 2 | |
| XW21-1-A | W21-1 | Workers Symbol | * | A | 36 X 36 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| XW21-2 | W21-2 | Fresh Oil | * | A | 30 X 30 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | X | |
| XW21-2-A | W21-2 | Fresh Oil | * | A | 36 X 36 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| XW21-3-A | W21-3 | Road Machinery Ahead | * | B | 48 X 48 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| W20-1 | W20-1 | Road Work Ahead | * | B | 48 X 48 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| XW21-5-A | W21-5 | Shoulder Work | * | A | 36 X 36 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| XW21-6-A | W21-6 | Survey Crew | * | A | 36 X 36 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| XW21-7 | W21-7 | Utility Work Ahead | * | A | 36 X 36 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| XW21-7-A | W21-7 | Utility Work Ahead | * | B | 48 X 48 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| XW21-8a | W21-8 | Mowing Crews Ahead | * | A | 36 X 36 | Orange | Black | 3/4 | 1/2 | 6 - Series C | 6 - Series C | 6 - Series C | | | 2 1/4 | | X | |
| XW21-8a-A | W21-8 | Mowing Crews Ahead | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 8 - Series C | 8 - Series C | 8 - Series C | | | 3 | | X | |
| XW21-8b | W21-8 | Mowing Crews Next ____ Miles | * | A | 36 X 36 | Orange | Black | 3/4 | 1/2 | 6 - Series C | 6 - Series C | 4 - Series C | 4 - Series C | | 2 1/4 | | X | |
| XW21-8b-A | W21-8 | Mowing Crews Next ____ Miles | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 8 - Series C | 8 - Series C | 6 - Series C | 6 - Series C | | 3 | | X | |
| XW103-1 | - | Watch for Stopped Traffic | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 7 - Series C | 7 - Series C | 7 - Series C | | | 3 | | X | |
| XG20-1 | G20-1 | Road Construction Next ____ Miles | * | B | 60 X 36 | Orange | Black | 3/4 | 1/2 | 6 - Series C | 6 - Series C | 6 - Series C | | | 2 1/4 | | X | |
| XG20-2 | G20-2 | End Construction | * | B | 60 X 24 | Orange | Black | 1/2 | 3/8 | 6 - Series C | 6 - Series C | | | | 1 1/2 | | X | |
| G20-2 | G20-2 | End Road Work | * | B | 48 X 18 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| XG20-4 | G20-4 | Pilot Car Follow Me | - | - | 36 X 18 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | - | - | |
| XG20-5 | - | (Route Number or Lane Closed On or After ____) | * | B | 60 X 36 | Orange | Black | 3/4 | 1/2 | 6 - Series C | 6 - Series C | 6 - Series C | | | 2 1/4 | | X | |
| XG20-5P | XG20-5P | Worksite Plaque | - | - | 48 X 16 | Orange | Black | 1/2 | 3/8 | 8 - Series C | | | | | 1 1/2 | - | - | |
| XW20-6 | - | Lane Restrictions On or After ____ | * | B | 60 X 36 | Orange | Black | 3/4 | 1/2 | 5 - Series C | 5 - Series C | 4 - Series C | | | 1 7/8 | | X | |
| XW20-6A | - | Lane Restrictions On or After ____ | * | B | 72 X 36 | Orange | Black | 7/8 | 5/8 | 6 - Series C | 6 - Series C | 5 - Series C | | | 2 1/4 | | X | |
| XM4-9 (R or L) | M4-9 | Detour (Above Black Arrow) | * | A | 30 X 24 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | X | |
| XM4-9-B (R or L) | M4-9 | Detour (Above Black Arrow) | * | B | 48 X 36 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| XM4-9d | - | ____ St / Detour Arrow | * | B | L X 36 | Orange | Black | 1/2 | 3/8 | 4 - Series C | 6 - Series C | | 1 | 30 | 1 1/2 | X (L ≤ 42) | X (L > 42) | |
| XM4-9e | - | ____ St / Direction / Detour Arrow | * | B | L X 48 | Orange | Black | 1/2 | 3/8 | 4 - Series C | 6 - Series C | 6 - Series C | 1 | 30 | 1 1/2 | X (L ≤ 36) | X (L > 36) | |
| XM4-10 (R or L) | M4-10 | Detour (Inside Orange Arrow) | * | B | 48 X 18 | Black & Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |
| XW105-1-A | - | Right Lane Exit Open | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 6 - Series C | 6 - Series C | | | | 3 | | X | |
| XW106-1-A | - | Exit Closed | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 7 - Series C | 7 - Series C | | | | 3 | | X | |
| XW106-2-A | - | Exit Open | * | B | 48 X 48 | Orange | Black | 1 1/4 | 3/4 | 7 - Series C | 7 - Series C | | | | 3 | | X | |
| XW109-1 | - | Exit (Above Black Arrow) | * | B | 48 X 48 | Orange | Black | See FHWA publication Standard Highway Signs for fabrication details | | | | | | | | | | X |

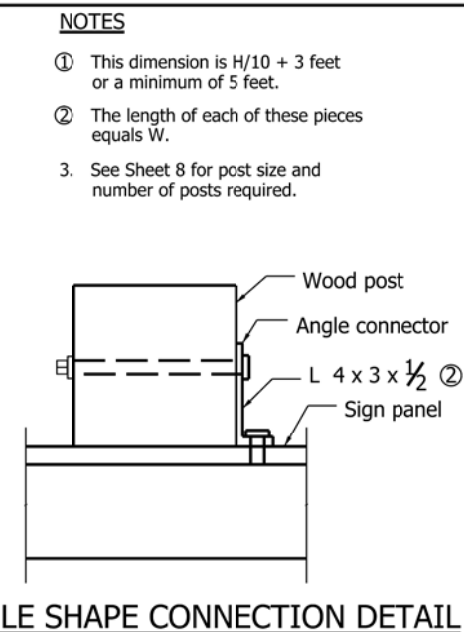
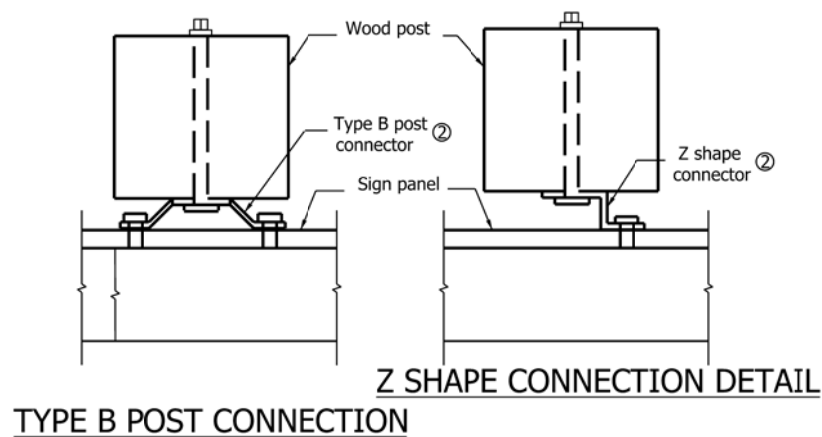
*Wood post permitted.

NOTES:

- ① Spacing between letters of word or line shall be reduced by percentage as shown.
2. See Sheet 2 for general notes.
3. All dimensions are in inches.

INDIANA DEPARTMENT OF TRANSPORTATION

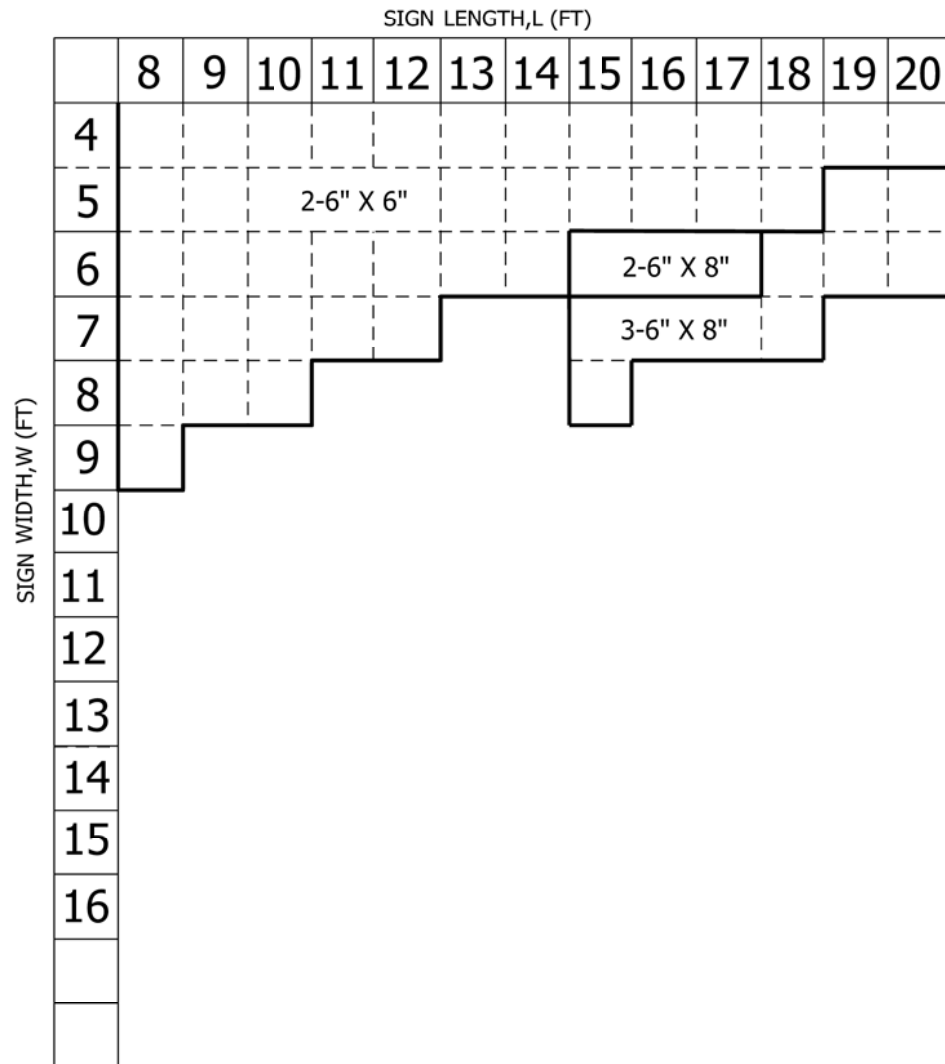
TRAFFIC CONTROL SIGN DESIGN DETAILS
(3 of 3)



- ### NOTES
- ① This dimension is $H/10 + 3$ feet or a minimum of 5 feet.
 - ② The length of each of these pieces equals W .
 3. See Sheet 8 for post size and number of posts required.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY PANEL SIGN BREAKAWAY POST INSTALLATION



NOTES:

1. No more than one post can be located in a 7 foot wide path.

INDIANA DEPARTMENT OF TRANSPORTATION

WOOD POST DESIGN FOR
TEMPORARY PANEL SIGNS

INDEX

| SHEET NO. | SUBJECT |
|-----------|--|
| 9 | Index |
| 10 | Channelizing Devices |
| 11 | Merging or Shifting Taper |
| 12 | Type III Barricade |
| 13 | Typical Construction Sign Mounting |
| 14 | Type III Barricade Application for Road Closure for Thru Traffic |
| 15 | Type III Barricade Application for Road Closure to All Traffic |
| 16 | U Channel Steel Post Splice Detail |
| 17 | Temporary Buzz Strips |
| 18 | Worksite Speed Limit Sign Assembly for Intermittent Use |
| 19 | Worksite Speed Limit Sign Assembly for Continuous Use |
| 20 | Worksite Speed Limit Sign Assembly Longitudinal Placement |

GENERAL NOTES:

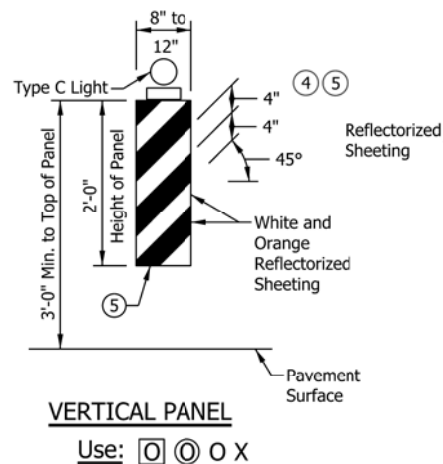
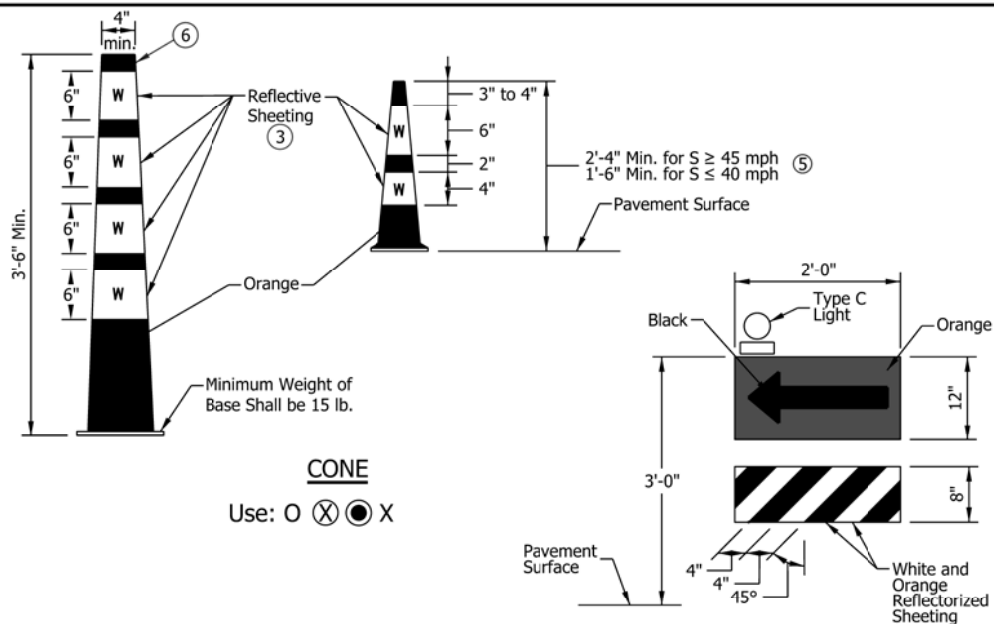
1. Unless otherwise specified, channelizing devices shall be spaced as shown on Sheet 21.
2. All channelizing devices shall meet NCHRP 350 or MASH crash evaluation criteria.
3. It is not necessary to delineate a drop-off of 3 in. or less adjacent to active travel lanes. Where channelizing devices are used to delineate drop-offs of 3 in. or less adjacent to active travel lanes, at least 33 in. of the device shall be above the adjoining pavement surface. Where channelizing devices are used to delineate a drop-off greater than 3 in. adjacent to active travel lanes, at least 27 in. of the device shall be above the adjoining pavement surface and a Type C warning light shall be attached to the top of the device (on the pavement side). In no case shall more than 9 in. of the device be below the adjoining pavement surface.
4. The proper orientation in respect to approaching vehicular traffic shall be maintained on channelizing devices. Drums are the preferred channelizing device in a tight radius curve and at intersections.

LEGEND

- O - Device may be used in tangent set-ups.
- X - Device may be used in tangent set-ups.
- (X) - Devices may be used in two-way traffic set-ups to divide opposing lanes of traffic.
- - Device may be used to divide two or more lanes of traffic in the same direction.
- - Device may be used to replace barricades and drums where space is limited.
- - Device may be used to delineate edge of pavement drop-off where space is limited.

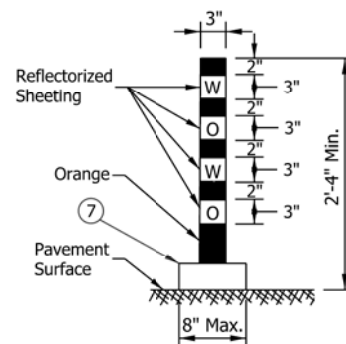
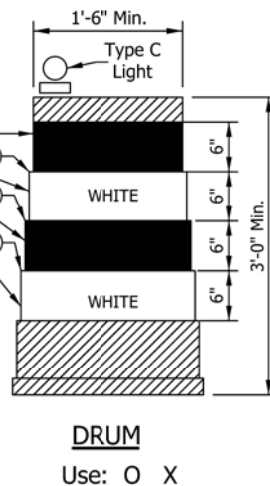
INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DEVICES
INDEX AND GENERAL NOTES



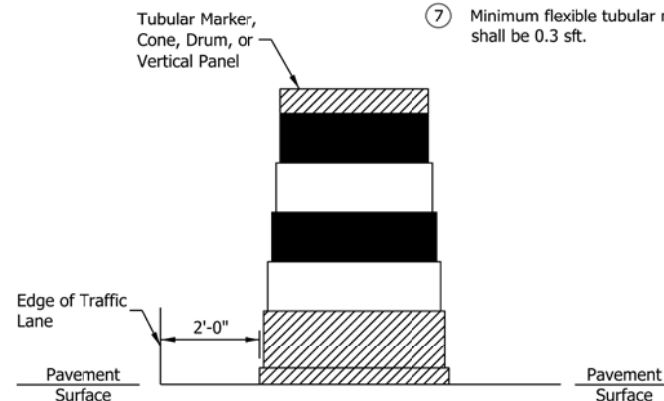
DIRECTION INDICATOR BARRICADE

Use: X



FLEXIBLE TUBULAR MARKER

Use: (O) (●) (X)



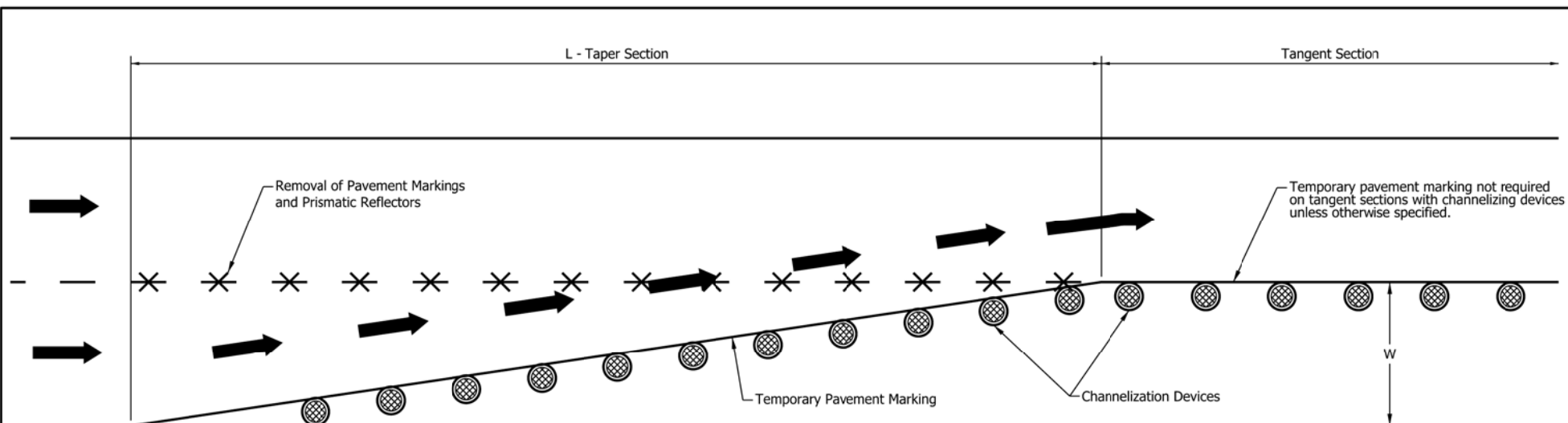
PLACEMENT OF CHANNELIZING DEVICES

INDIANA DEPARTMENT OF TRANSPORTATION

CHANNELIZING DEVICES

NOTES:

- For additional notes and legends see Sheets 10 and 22
- A Type C warning light will be required on tapers where there is a reduction in the number of lanes and a flashing arrow sign is used.
- Reflectorized bands may be omitted from cones for lane closures during daylight hours.
- For vertical panels equal to or greater than 3 ft in height, the width of the stripes shall be 6 in.
- Vertical panels used on an expressway or freeway shall have a minimum reflective panel area of 270 sq. in. Other roadways with a posted speed limit of 50 mph or greater shall have a minimum reflective panel area of 270 sq. in., also.
- The maximum distance between the edges of adjacent reflective sheeting strips shall be 2 in.
- Minimum flexible tubular marker base area shall be 0.3 sq. ft.

**NOTE:**

1. The taper lengths used may be either of the values provided in the table, or the value calculated from the equation.

LEGEND

L - Minimum length of taper in feet.

S - Posted speed limit prior to the construction zone in mph.

W - Width of lane or shift in feet.

| MERGING TAPER | | | | |
|---------------|-----------------------|--------|--------|--------|
| S | Min. Taper Length L/1 | | | |
| MPH | W = 9 | W = 10 | W = 11 | W = 12 |
| 20 | 60 | 70 | 75 | 80 |
| 25 | 95 | 105 | 115 | 125 |
| 30 | 135 | 150 | 165 | 180 |
| 35 | 185 | 205 | 225 | 245 |
| 40 | 240 | 270 | 295 | 320 |
| 45 | 405 | 450 | 500 | 540 |
| 50 | 450 | 500 | 550 | 600 |
| 55 | 495 | 550 | 605 | 660 |
| 60 | 540 | 600 | 660 | 720 |
| 65 | 585 | 650 | 715 | 780 |
| 70 | 630 | 700 | 770 | 840 |

For W not shown in the table, $L = W \times S$ for a speed of 45 mph or greater.
 $L = W \times S^2/60$ for a speed of 40 mph or lower.

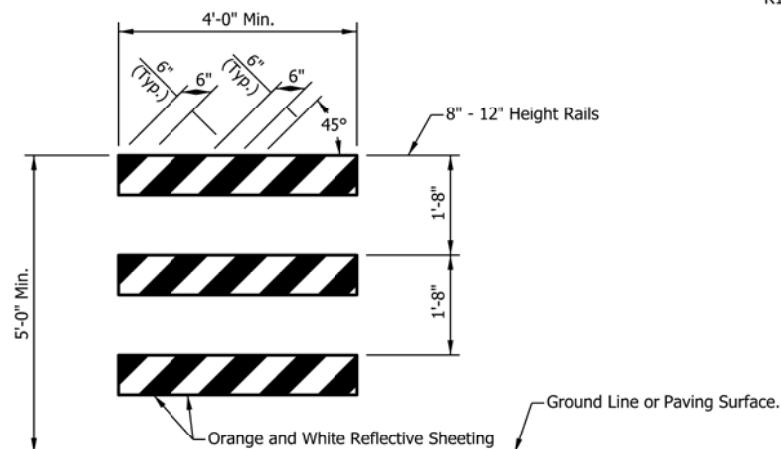
| SHIFTING TAPER | | | | |
|----------------|-----------------------|--------|--------|--------|
| S | Min. Taper Length L/2 | | | |
| MPH | W = 9 | W = 10 | W = 11 | W = 12 |
| 20 | 30 | 35 | 40 | 40 |
| 25 | 50 | 55 | 60 | 65 |
| 30 | 70 | 75 | 85 | 90 |
| 35 | 95 | 105 | 115 | 125 |
| 40 | 120 | 135 | 150 | 160 |
| 45 | 205 | 225 | 250 | 270 |
| 50 | 225 | 250 | 275 | 300 |
| 55 | 250 | 275 | 305 | 330 |
| 60 | 270 | 300 | 330 | 360 |
| 65 | 295 | 325 | 360 | 390 |
| 70 | 315 | 350 | 385 | 420 |

For W not shown in the table, L is one half that required for a merging taper.

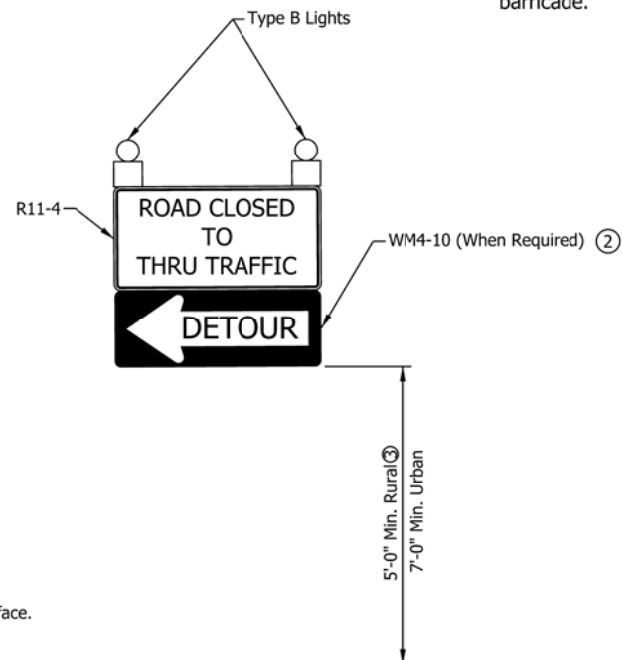
A shifting taper preceded by lane closure taper shall be separated by a tangent section equal to or greater than the length of the shifting taper.

INDIANA DEPARTMENT OF TRANSPORTATION

MERGING OR SHIFTING TAPER



TYPE III BARRICADE

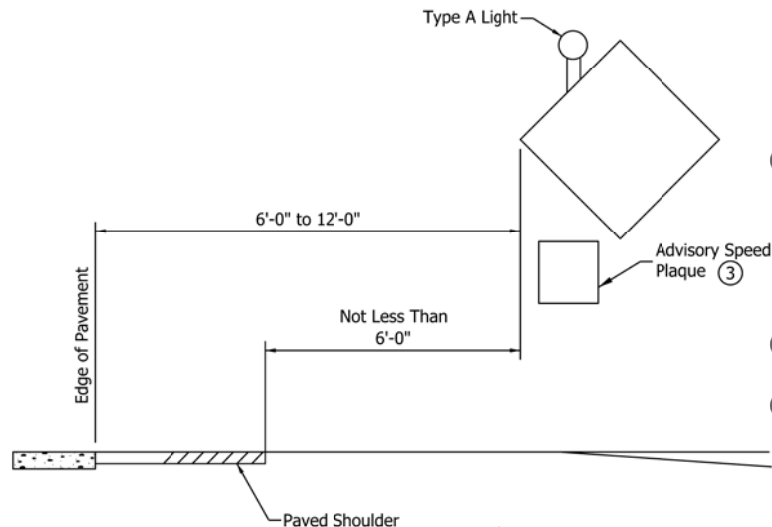
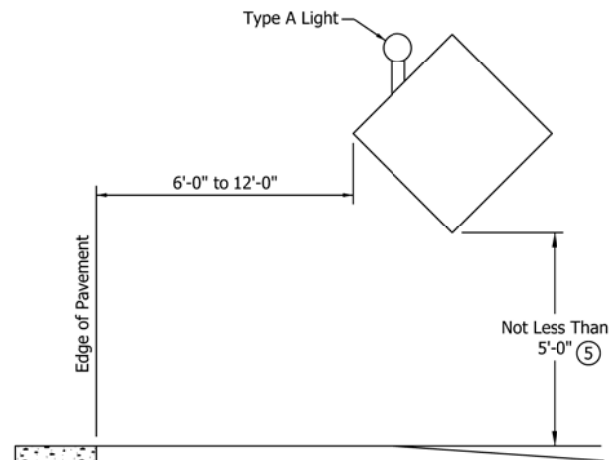


NOTES:

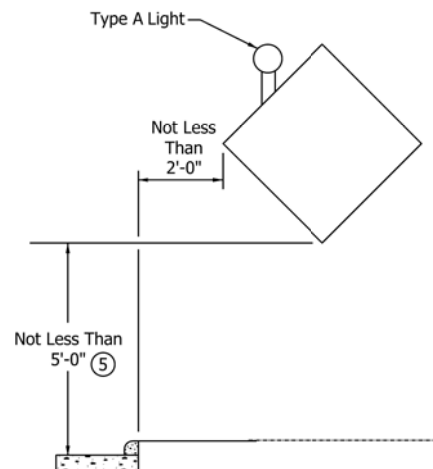
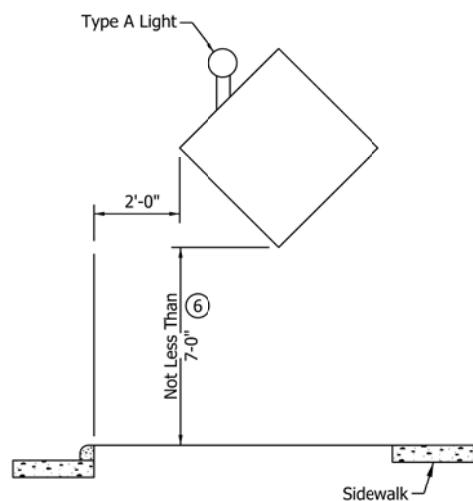
1. Barricade lights, signs, and supports shall meet NCHRP 350 or MASH crash evaluation criteria.
- ② The Detour Arrow sign shall be used only when a detour route has been signed.
- ③ The sign assembly must be above the Type III barricade.

INDIANA DEPARTMENT OF TRANSPORTATION

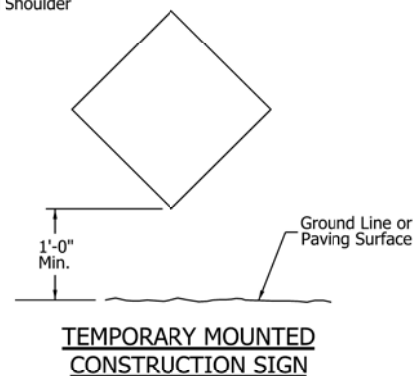
TYPE III BARRICADE



UN-CURBED ROADWAY



CURBED ROADWAY

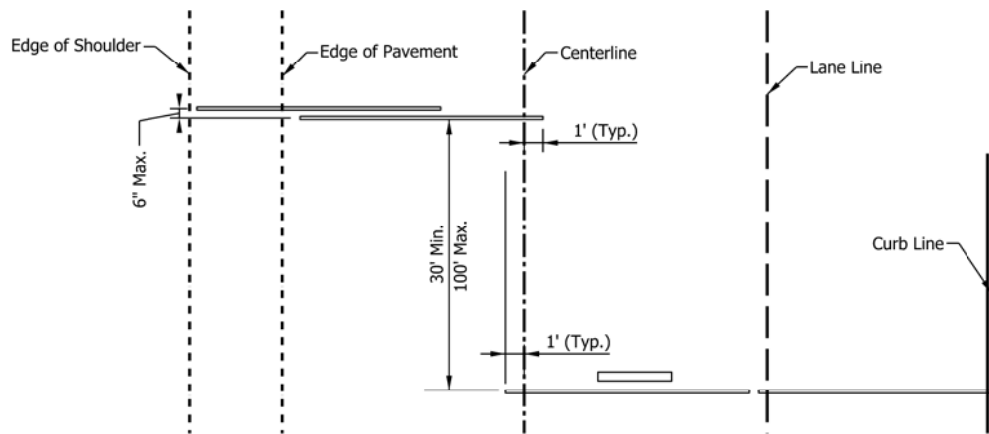
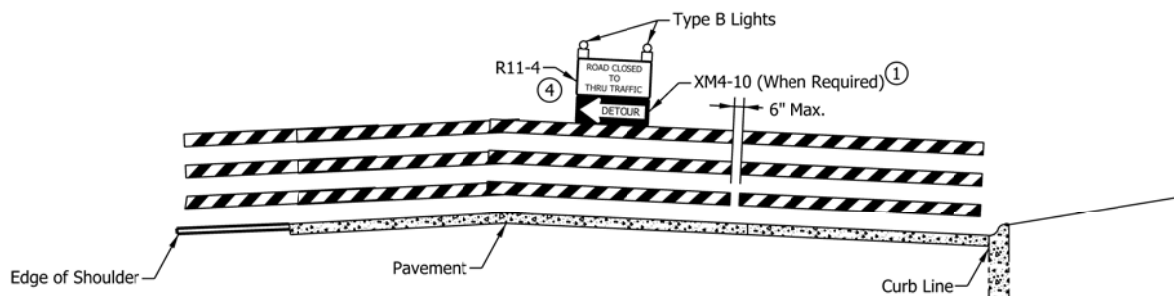


NOTES:

1. See Sheet 8 for breakaway post installation
2. Signs, lights, and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- ③ An advisory speed plaque, required to be placed with another construction sign, may be mounted on the post closest to the roadway at a height not less than 4 ft above the edge of pavement adjacent to the sign. The bottom of the construction warning sign shall not be lower than the top of the advisory speed plaque.
4. Type A warning light required on all construction signs.
- ⑤ In urban area or on Interstate route, mounting height shall not be less than 7 ft.
- ⑥ When signs are placed on sidewalk, a 4 ft useable width must be maintained. No part of the sign or support that is less than 7 ft in height may protrude more than 4 in. into the 4 ft useable sidewalk width.

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CONSTRUCTION
SIGN MOUNTING CLEARANCES

PLAN VIEWELEVATION

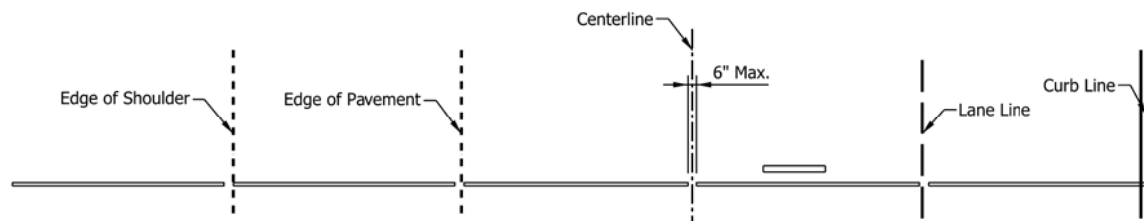
TYPICAL APPLICATIONS OF TYPE III BARRICADES
"ROAD CLOSED TO THRU TRAFFIC"

NOTES:

- ① The Detour Arrow sign shall be used only when a detour route has been signed.
- ② See Sheet 12 for sign use and mounting information.
3. Barricades and supports shall meet NCHRP 350 or MASH crash evaluation criteria.
- ④ The R11-3a ("ROAD CLOSED/LOCAL TRAFFIC ONLY") or R11-3b ("BRIDGE CLOSED/LOCAL TRAFFIC ONLY") sign may be substituted for the R11-4 signs as directed on the plans or by the engineer.

INDIANA DEPARTMENT OF TRANSPORTATION

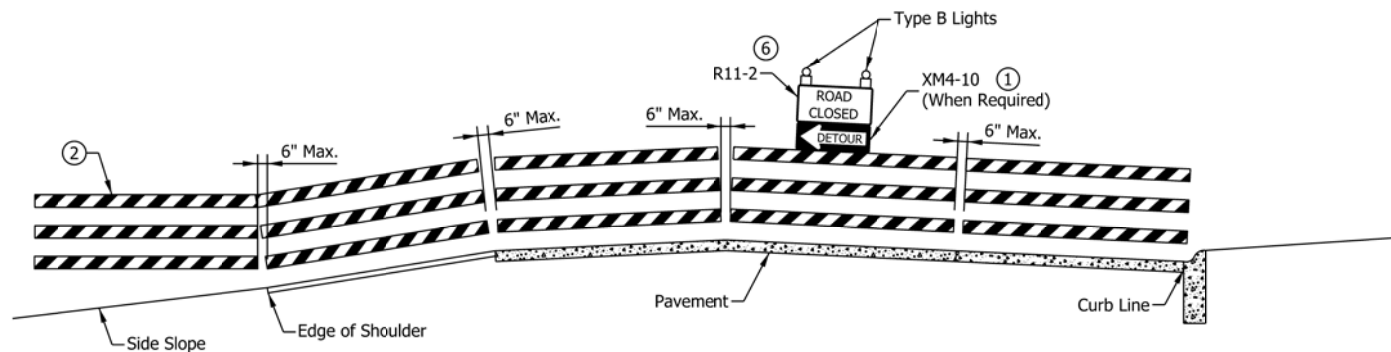
TYPE III BARRICADE APPLICATION FOR
 ROAD CLOSURE FOR THRU TRAFFIC



(HALF PLAN WITH SHOULDER SECTION)

(HALF PLAN WITH CURB SECTION)

PLAN VIEW



(HALF ELEVATION WITH SHOULDER SECTION)

(HALF ELEVATION WITH CURB SECTION)

ELEVATION

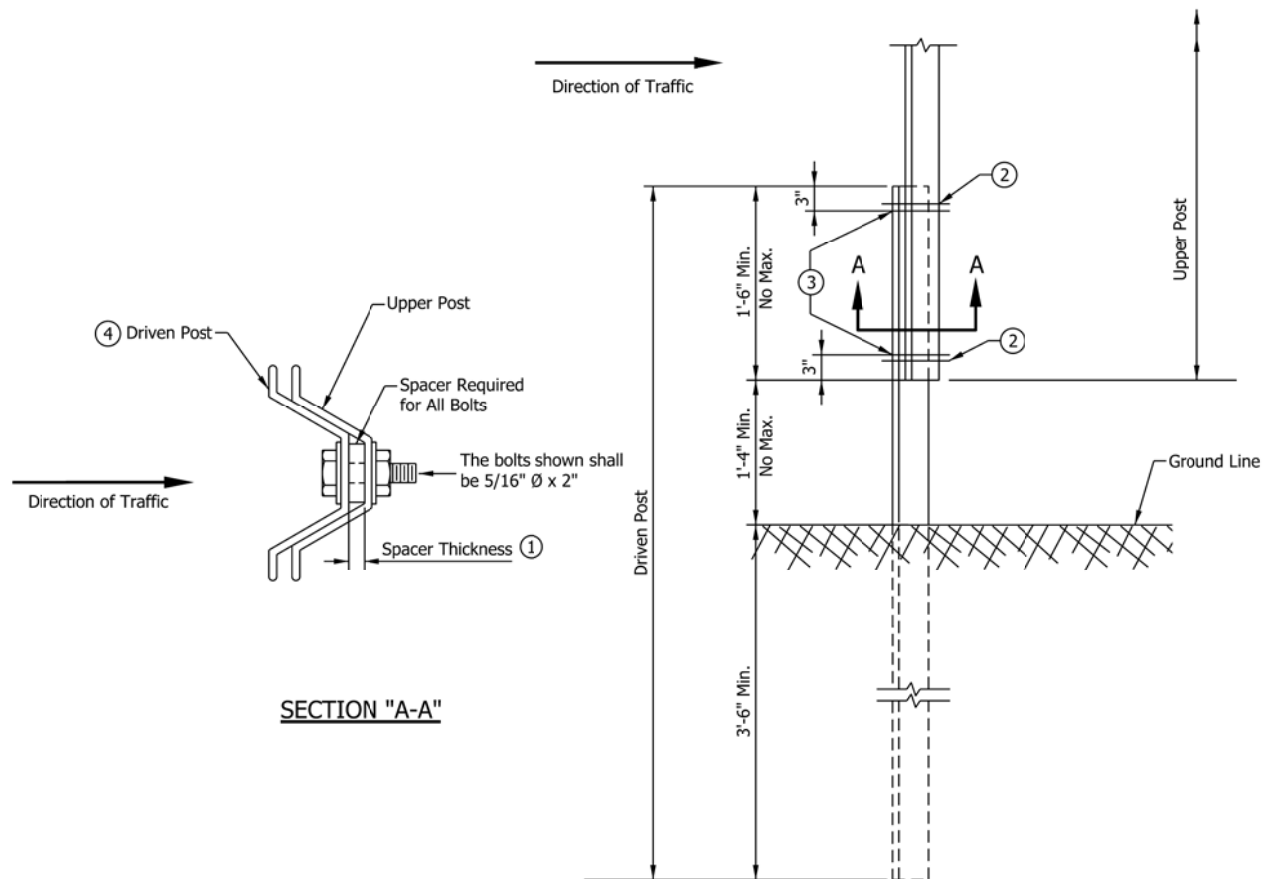
TYPICAL APPLICATIONS OF TYPE III BARRICADES ROAD CLOSED TO ALL TRAFFIC

NOTES:

- ① The Detour Arrow sign shall be used only when a detour route has been signed.
- ② Barricades shall be supported on driven posts in areas outside of the pavement or sidewalk, where side slopes are 3 to 1 or flatter.
3. See Sheet 12 for sign use and mounting information.
4. Barricades and supports shall meet NCHRP 350 or MASH crash evaluation criteria.
5. See Sheet 2 for post depth.
- ⑥ The R11-2 may be substituted as directed on the plans or by the engineer.

INDIANA DEPARTMENT OF TRANSPORTATION

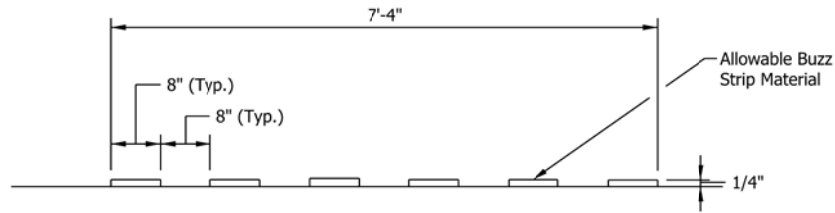
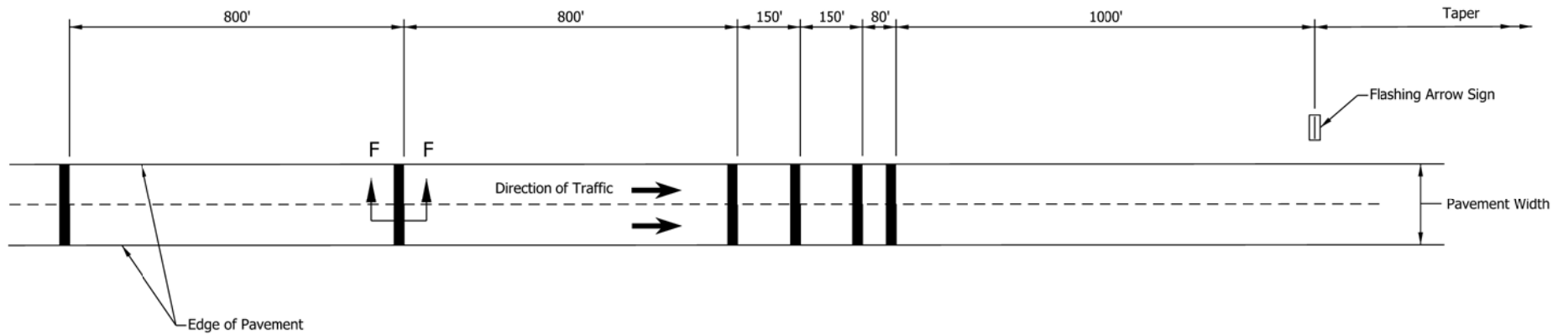
TYPE III BARRICADE APPLICATION FOR
ROAD CLOSURE TO ALL TRAFFIC

ELEVATIONU CHANNEL STEEL POST SPLICENOTES:

- ① The spacer thickness shall be 1/16" less than the gap between the posts when positioned in the unbolted configuration.
- ② The exterior bolt, spacer, washer, and nut shall be installed in a prepunched hole within the first 2" of the end of the lapped post section.
- ③ The interior bolt, spacer, washer, and nut shall be installed in a prepunched hole within the first 2" of the exterior bolts. The maximum spacing between the interior bolts shall be 1'-6". If the length of the post lap is increased such that this 1'-6" maximum is exceeded, then additional interior bolts shall be installed such that the maximum space between adjacent interior bolts does not exceed the 1'-6" limit.
- ④ The driven post shall always be mounted in front of the upper post with respect to adjacent oncoming traffic, regardless of the direction the sign is facing.

INDIANA DEPARTMENT OF TRANSPORTATION

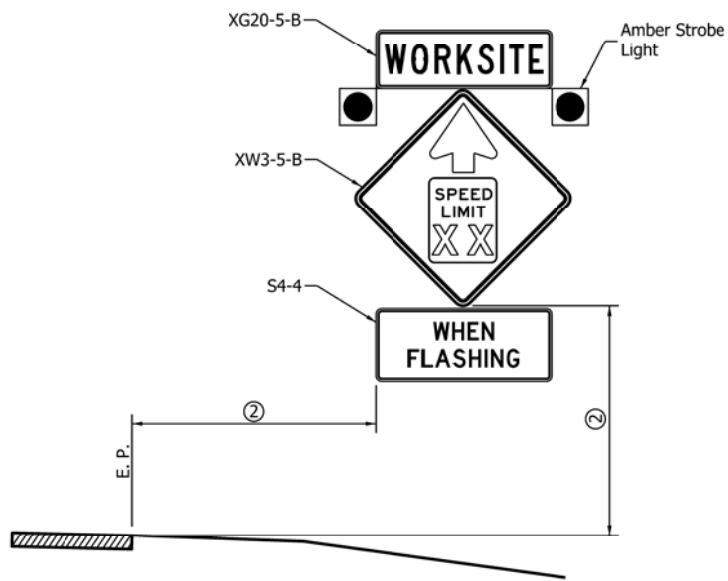
U-CHANNEL STEEL
POST SPLICE DETAIL



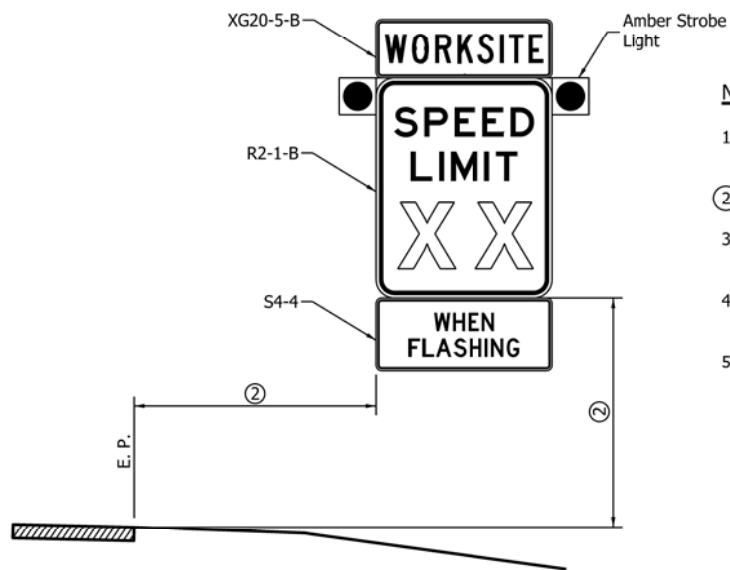
SECTION F-F
(Typ.)

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY BUZZ STRIPS



REDUCED SPEED ADVANCE
WARNING SIGN ASSEMBLY



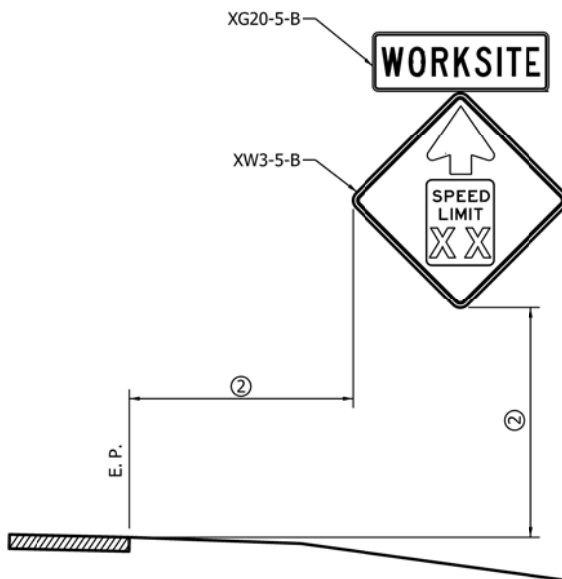
WORKSITE SPEED LIMIT
SIGN ASSEMBLY

NOTES:

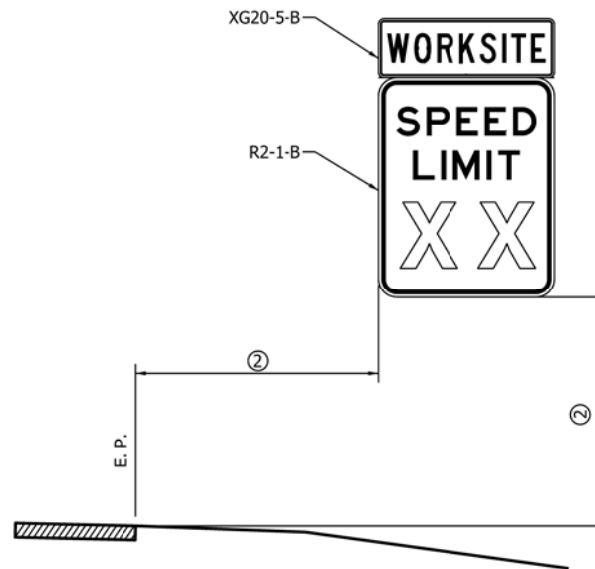
1. If not trailer mounted, signs and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- ② See Sheet 13 for lateral and vertical placement.
3. Advance warning sign speed limit shall match that on worksite speed limit sign.
4. The worksite speed limit shall be at least 10 mph below the posted speed limit for the roadway under construction.
5. Signs shown are for freeway or expressway application.

INDIANA DEPARTMENT OF TRANSPORTATION

WORKSITE SPEED LIMIT SIGN ASSEMBLY
FOR INTERMITTENT USE
(When Workers Present)



REDUCED SPEED ADVANCE
WARNING SIGN ASSEMBLY



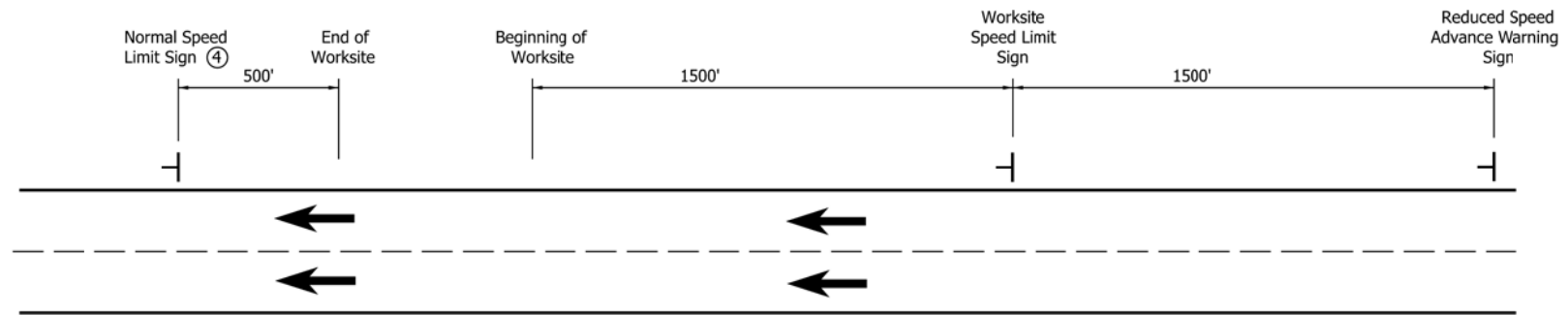
WORKSITE SPEED LIMIT
SIGN ASSEMBLY

NOTES:

1. If not trailer mounted, signs and supports shall satisfy NCHRP 350 or MASH crash evaluation criteria.
- ② See Sheet 13 for lateral and vertical placement.
3. Advance warning sign speed limit shall match that on worksite speed limit sign.
4. The worksite speed limit shall be at least 10 mph below the posted speed limit for the roadway under construction.
5. Signs shown are for freeway or expressway application.

INDIANA DEPARTMENT OF TRANSPORTATION

WORKSITE SPEED LIMIT SIGN ASSEMBLY
FOR CONTINUOUS USE
(24/7)



NOTES:

1. Worksite speed limit sign assemblies shall be placed on both sides of the roadway only where all travel lanes approaching the worksite are open to traffic traveling in the same direction.
2. Worksite speed limit sign assemblies shall be placed 500 ft beyond each crossroad or the last entrance ramp for each interchange, at 2-mile intervals throughout the worksite, or adjacent to the existing normal speed limit signs.
3. See Sheets 18 and 19 for sign assembly.
- 4 For a rural Interstate route application, a truck speed limit sign shall be used and placed immediately to the right of the normal speed limit sign.

| |
|--|
| INDIANA DEPARTMENT OF TRANSPORTATION |
| WORKSITE SPEED LIMIT SIGN ASSEMBLY LONGITUDINAL PLACEMENT |














GENERAL NOTES

1. Distances shown are typical except minimum distances may be varied based on field conditions.
 2. The spacing of channelizing devices shall be 100 ft where the posted speed limit is 50 m.p.h. or greater.
 3. The spacing of channelizing devices shall be 50 ft where the posted speed limit is less than or equal to 45 m.p.h.
 4. The spacing of channelizing devices on tapers shall be numerically equal in feet to the posted speed limit in m.p.h.
 5. The flashing arrow sign shall not be placed on a sidewalk. The flashing arrow sign shall be placed at a distance of L/3 from the beginning of the taper, where L is the merge taper, see Sheet 11.
 6. For temporary lane closures during daylight hours, cones or tubular markers may be used in lieu of drums.
 7. Temporary pavement markings shall not be required for temporary daylight lane closures.
 8. Temporary highway illumination, when specified, shall be as detailed on the plans.
9. Once the crossovers have been removed, this line shall be restriped yellow if the pavement is to be used for one-way traffic.
 10. For Temporary Crossover Type B, this line shall be removed when the traffic pattern is switched.
 11. The advisory speed plate will not be required when the existing posted speed limit is less than 55 mph.
 12. Spacing of channelizing devices at this location shall be 20 ft.
 13. The "Two-Way Traffic" (XW6-3B) and "Do Not Pass" (R4-1-B) signs shall alternate every 2640 ft throughout the two-lane two-way operation.
 14. For a bridge contract, this distance may be adjusted by the Engineer as required. However, it shall be as close to the minimum as possible.
 15. Once the crossovers have been removed, this line shall be restriped broken white, if the pavement is to be used for one-way traffic.

SURFACE AREA OF ONE TYPE A
TEMPORARY CROSSOVER SYS

| MEDIAN WIDTH, ft | TYPE A |
|------------------|--------|
| 60 | 1208 |
| 50 | 1041 |
| 40 | 880 |
| 36 | 814 |
| 30 | 713 |
| 26 | 648 |

LEGEND

| | | | |
|---|--------------------------------|---|---|
|  | Flagger |  | Temporary Pavement Marking |
|  | Work area |  | Removal of pavement markings and prismatic reflectors |
|  | Flashing arrow sign |  | Typical Sign Standard (Road Closure Sign Assembly) |
|  | Channelizing device |  | Type III-A or Type III-B Barricades as required |
|  | Police car (optional) |  | Double Headed Flashing Arrow Sign |
|  | Construction sign and supports |  | Direction of Traffic |
| W = Width of offset | |  | Low intensity construction warning light, Type A |

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL LEGEND
AND GENERAL NOTES