

**APPENDIX B3 – WARNING SIGNS AND OBJECT MARKERS
DIMENSION DESCRIPTIONS**

W2-3a: Intersection Warning - Oblique Side Road Acute

W2-3aR

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the horizontal distance from the vertical center of the sign to the centerline of the branch at its base in the lower-right quadrant of the sign.
- E is the distance from the horizontal center of the sign to the top and bottom ends of the vertical line.
- F is the distance from the vertical center of the sign to the left edge of the vertical line.
- G is the distance from the vertical center of the sign to the right edge of the vertical line.
- H is the distance from the centerline of the branch to the left and right edges of the branch.
- J is the distance from the horizontal center of the sign to the centerline of the branch at its base.
- K is the distance from the horizontal center of the sign to the intersection of the branch's centerline with the vertical center of the sign.
- L is the corner radius.

W2-3aL

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the horizontal distance from the vertical center of the sign to the centerline of the branch at its base in the lower-left quadrant of the sign.
- E is the distance from the horizontal center of the sign to the top and bottom ends of the vertical line.
- F is the distance from the vertical center of the sign to the right edge of the vertical line.
- G is the distance from the vertical center of the sign to the left edge of the vertical line.
- H is the distance from the centerline of the branch to the left and right edges of the branch.
- J is the distance from the horizontal center of the sign to the centerline of the branch at its base.
- K is the distance from the horizontal center of the sign to the intersection of the branch's centerline with the vertical center of the sign.
- L is the corner radius.

W2-10: Traffic Entering When Flashing

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for each line.
- E is the space between the first and second lines and between the third and fourth lines.
- F is the distance from the horizontal center of the sign to the bottom of the second line.
- G is the distance from the horizontal center of the sign to the top of the third line.
- H is the distance from the vertical center of the sign to the left edge of the first line.
- J is the distance from the vertical center of the sign to the right edge of the first line.
- K is the distance from the vertical center of the sign to the left edge of the second line.
- L is the distance from the vertical center of the sign to the right edge of the second line.
- M is the distance from the vertical center of the sign to the left edge of the word on the third line.
- N is the distance from the vertical center of the sign to the right edge of the third line.
- P is the distance from the vertical center of the sign to the left edge of the fourth line.
- Q is the distance from the vertical center of the sign to the right edge of the fourth line.
- R is the corner radius.

W2-11: Traffic Approaching When Flashing

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for the first, third, and fourth lines.
- E is the space between the first and second lines and between the third and fourth lines.
- F is the letter height and FHWA standard font for the second line.
- G is the distance from the horizontal center of the sign to the bottom of the second line.
- H is the distance from the horizontal center of the sign to the top of the third line.
- J is the distance from the vertical center of the sign to the left edge of the first line.
- K is the distance from the vertical center of the sign to the right edge of the first line.
- L is the distance from the vertical center of the sign to the left edge of the second line.
- M is the distance from the vertical center of the sign to the right edge of the second line.
- N is the distance from the vertical center of the sign to the left edge of the third line.
- P is the distance from the vertical center of the sign to the right edge of the third line.
- Q is the distance from the vertical center of the sign to the left edge of the fourth line.
- R is the distance from the vertical center of the sign to the right edge of the fourth line.
- S is the corner radius.

W3-5b: Variable Speed Zone Ahead

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for the first line.
- E is the space between the lines.
- F is the distance from the horizontal center of the sign to the top of the second line.
- G is the distance from the horizontal center of the sign to the bottom of the second line.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the distance from the vertical center of the sign to the left edge of the word on the first line.
- K is the distance from the vertical center of the sign to the right edge of the word on the first line.
- L is the width of the first word on the second line.
- M is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- N is the width of the second word on the second line.
- P is the distance from the vertical center of the sign to the left edge of the word on the third line.
- Q is the distance from the vertical center of the sign to the right edge of the word on the third line.
- R is the corner radius.

W3-5c: XX MPH Speed Zone Ahead

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for the first, third, and fourth lines.
- E is the space between the first and second lines and between the third and fourth lines, the space between the words on the first line, and the distance from the vertical center of the sign to the left edge of the second word on the third line.
- F is the letter height and FHWA standard font for the second line.
- G is the distance from the horizontal center of the sign to the bottom of the second line.
- H is the distance from the horizontal center of the sign to the top of the third line.
- J is the width of the first word on the first line.
- K is the width of the second word on the first line.
- L is the distance from the vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.
- N is the width of the first word on the third line.
- P is the width of the second word on the third line.
- Q is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- R is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- S is the corner radius.

W3-9: Traffic Using Shoulder

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first and second lines.
- G is the space between the first, second, and third lines.
- H is the letter height and FHWA standard font for the third line.
- J is the space between the third and fourth lines.
- K is the letter height and FHWA standard font for the fourth and fifth lines.
- L is the space between the fourth and fifth lines.
- M is the distance from the bottom of the last line to the bottom of the sign.
- N is the distance from the vertical center of the sign to the left edge of the word on the first line.
- P is the distance from the vertical center of the sign to the right edge of the word on the first line.
- Q is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- R is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- S is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- T is the width of the words on the fourth line.
- U is the width of each hyphen and the space between the words and the hyphens on the fourth and fifth lines.
- V is the distance from the vertical center of the sign to the left and right edges of the fifth line.
- W is the width of the words on the fifth line.
- X is the corner radius.

W4-7: Heavy Merge From Right (Left)

W4-7R

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for the first and fourth lines.
- E is the space between the first and second lines and between the third and fourth lines.
- F is the letter height and FHWA standard font for the second and third lines.
- G is the distance from the horizontal center of the sign to the bottom of the second line.
- H is the distance from the horizontal center of the sign to the top of the third line.
- J is the distance from the vertical center of the sign to the left edge of the word on the first line.
- K is the distance from the vertical center of the sign to the right edge of the word on the first line.
- L is the distance from the vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.
- N is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- P is the distance from the vertical center of the sign to the left edge of the fourth word on the line.
- Q is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- R is the corner radius.

W4-7L

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for the first and fourth lines.
- E is the space between the first and second lines and between the third and fourth lines.
- F is the letter height and FHWA standard font for the second and third lines.
- G is the distance from the horizontal center of the sign to the bottom of the second line.
- H is the distance from the horizontal center of the sign to the top of the third line.
- J is the distance from the vertical center of the sign to the left edge of the word on the first line.
- K is the distance from the vertical center of the sign to the right edge of the word on the first line.
- L is the distance from the vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.

- N is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- R is the corner radius.
- S is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- T is the distance from the vertical center of the sign to the right edge of the word on the fourth line.

W4-8: Single-Lane Transition

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the distance from the second bend in each outer vertical line to the ends of the lines, measured along the outer edges of each line.
- E is the vertical distance from the first bend to the second bend in each outer vertical line, measured along the outer edge of each line, and the distance from the top end of the top segment of the inner line to the second bend of each outer vertical line, measured along the inner edge of the vertical line.
- F is the distance from the horizontal center of the sign to the first bend in each outer line, measure along the outer edges of the vertical lines.
- G is the distance from the horizontal center of the sign to the bottom of the symbol.
- H is the line width of the outer lines.
- J is the distance from the vertical center of the sign to the inner edges of the outer lines above the second bend.
- K is the distance from the vertical center of the sign to the left and right edges of the vertical dashed line.
- L is the distance from the horizontal center of the sign to the top end of the top segment of the vertical dashed line.
- M is the distance from the horizontal center of the sign to the bottom end of the top segment of the vertical dashed line.
- N is the space between the segments of the vertical dashed line.
- P is the length of the bottom two segments of the vertical dashed line.
- Q is the distance from the vertical center of the sign to the left and right inner edges of the outer lines, measured at their bases.
- R is the corner radius

W5-2a: Narrow Underpass

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for each line.
- E is the space between the lines.
- F is the distance from the horizontal center of the sign to the top of the second line.
- G is the distance from the horizontal center of the sign to the bottom of the second line.
- H is the distance from the vertical center of the sign to the left edge of the word on the first line.
- J is the distance from the vertical center of the sign to the right edge of the word on the first line.
- K is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- L is the corner radius

W5-3a: One Lane Underpass

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for the first line.
- E is the distance from the horizontal center of the sign to the bottom of the first line.
- F is the distance from the horizontal center of the sign to the top of the second line.
- G is the letter height and FHWA standard font for the second line.
- H is the width of the first word on the first line.
- J is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- K is the width of the second word on the first line.
- L is the distance from the vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.
- N is the corner radius.

W6-5: Two-Way Traffic (3-Lane)

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the distance from the horizontal center of the sign to the tip of the right arrow.
- E is the distance from the horizontal center of the sign to the base of the right arrow.
- F is the distance from the horizontal center of the sign to the tips of the left and middle arrows.
- G is the distance from the horizontal center of the sign to the bases of the left and middle arrows.
- H is the distance from the vertical center of the sign to the tip of the right arrowhead.
- J is the width of the left and middle arrow shafts.
- K is the distance between the left and middle arrowhead tips.
- L is the distance from the vertical center of the sign to the tip of the middle arrowhead.
- M is the width of the right arrow shaft.
- N is the width of the left and middle arrowheads.
- P is the width of the arrowhead.
- Q is the corner radius.

W6-5a: Two-Way Traffic (3-Lane)

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the distance from the horizontal center of the sign to the tips of the middle and right arrowheads.
- E is the distance from the horizontal center of the sign to the base of the middle and right arrow shafts.
- F is the distance from the horizontal center of the sign to the tip of the left arrowhead.
- G is the distance from the horizontal center of the sign to the base of the left arrow shaft.
- H is the distance from the vertical center of the sign to the tip of the right arrowhead.
- J is the width of the left arrow shaft.
- K is the distance from the centerline of the left arrow to the centerline of the middle arrow.
- L is the distance from the vertical center of the sign to the centerline of the middle arrow.
- M is the width of the middle and right arrow shafts.
- N is the width of the left arrowhead.
- P is the width of the middle and right arrowheads.
- Q is the corner radius.

W8-26: Road Ends Advance

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for each line.
- E is the space between the lines.
- F is the distance from the horizontal center of the sign to the top of the second line.
- G is the distance from the horizontal center of the sign to the bottom of the second line.
- H is the distance from the vertical center of the sign to the left edge of the word on the first line.
- J is the distance from the vertical center of the sign to the right edge of the word on the first line.
- K is the distance from the vertical center of the sign to the left edge of the word on the second line.
- L is the distance from the vertical center of the sign to the right edge of the word on the second line.
- M is the distance from the vertical center of the sign to the left edge of the number on the third line and to the right edge of the word on the third line.
- N is the width of the number on the third line.
- P is the space between the number and the word on the third line.
- Q is the width of the word on the third line
- R is the corner radius.

W8-26a: Street Ends Advance

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for the first line.
- E is the space between the lines.
- F is the letter height and FHWA standard font for the second and third lines.
- G is the distance from the horizontal center of the sign to the top of the second line.
- H is the distance from the horizontal center of the sign to the bottom of the second line.
- J is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- K is the distance from the vertical center of the sign to the left edge of the word on the second line.
- L is the distance from the vertical center of the sign to the right edge of the word on the second line.
- M is the distance from the vertical center of the sign to the left edge of the number on the third line and to the right edge of the word on the third line.
- N is the width of the number on the third line.
- P is the space between the number and the word on the third line.
- Q is the width of the word on the third line
- R is the corner radius.

W9-4: Lanes Merge

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for each line.
- E is the distance from the horizontal center of the sign to the bottom of the first line.
- F is the distance from the horizontal center of the sign to the top of the second line.
- G is the distance from the vertical center of the sign to the left edge of the word on the first line.
- H is the distance from the vertical center of the sign to the right edge of the word on the first line.
- J is the distance from the vertical center of the sign to the left edge of the word on the second line.
- K is the distance from the vertical center of the sign to the right edge of the word on the second line.
- L is the corner radius.

W9-5: Bicycle Lane Ends

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the height of the bicycle symbol.
- E is the space between the first and second lines.
- F is the letter height and FHWA standard font for the second and third lines.
- G is the distance from the horizontal center of the sign to the top of the second line.
- H is the distance from the horizontal center of the sign to the bottom of the second line.
- J is the space between the second and third lines.
- K is the distance from the vertical center of the sign to the left and right edges of the bicycle symbol.
- L is the distance from the vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.
- N is the distance from the vertical center of the sign to the left edge of the word on the third line.
- P is the distance from the vertical center of the sign to the right edge of the word on the third line.
- Q is the corner radius.

W9-5a: Bicycles Merging

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the height of the bicycle symbol.
- E is the distance from the horizontal center of the sign to the bottom of the bicycle symbol.
- F is the distance from the horizontal center of the sign to the top of the second line.
- G is the letter height and FHWA standard font for the second line.
- H is the distance from the vertical center of the sign to the left edge of the bicycle symbol.
- J is the distance from the vertical center of the sign to the right edge of the bicycle symbol.
- K is the distance from the vertical center of the sign to the left edge of the word on the second line.
- L is the distance from the vertical center of the sign to the right edge of the word on the second line.
- M is the corner radius.

W9-6dP: Stop Ahead Pay Toll (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the width of the first word on the first line.
- J is the space between the words on the first line.
- K is the distance from the vertical center of the plaque to the left edge of the second word on the first line.
- L is the distance from the vertical center of the plaque to the right edge of the second word on the first line.
- M is the width of the first word on the second line.
- N is the distance from the vertical center of the plaque to the right edge of the first word on the second line.
- P is the distance from the vertical center of the plaque to the left edge of the second word on the second line.
- Q is the width of the second word on the second line.
- R is the corner radius.

W9-6e: Take Ticket XX Miles

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign and from the bottom of the word on the last line to the bottom of the sign.
- F is the letter height and FHWA standard font for the first line and for the word on the second line.
- G is the space between the lines.
- H is the distance from the bottom of the number on the second line to the bottom of the sign.
- J is the letter height and FHWA standard font for the number on the second line.
- K is the width of the first word on the first line.
- L is the space between the words on the first line.
- M is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- N is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- P is the distance from the vertical center of the sign to the left and right edges of the second line.
- Q is the width of the number on the second line.
- R is the space between the number and the word on the second line.
- S is width of the word on the second line.
- T is the corner radius.

W9-6f: Stop Ahead Take Ticket

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the width of the first word on the first line.
- J is the space between the words on each line.
- K is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- M is the width of the first word on the second line.
- N is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- P is the distance from the vertical center of the sign to the right edge of the second word on the second line.
- Q is the corner radius.

W9-6gP: Take Ticket XX Miles (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque, the distance from the bottom of the line to the bottom of the plaque, and the space between the first and second words.
- F is the letter height and FHWA standard font for the line.
- G is the letter height and FHWA standard font for the number.
- H is the distance from the top of the number to the top of the plaque and from the bottom of the number to the bottom of the plaque.
- J is the distance from the vertical center of the sign to the left and right edges of the line.
- K is the width of the first word.
- L is the width of the second word.
- M is the space between the second word and the number.
- N is the width of the number.
- P is the width of the fourth word.
- Q is the corner radius.

W9-6hP: Stop Ahead Take Ticket (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the width of the first word.
- H is the space between the first and second words and between the third and fourth words.
- J is the width of the second word.
- K is the distance between the hyphen and the second and third words.
- L is the distance from the vertical center of the sign to the left edge of the hyphen.
- M is the distance from the vertical center of the sign to the right edge of the hyphen.
- N is the width of the third word.
- P is the width of the fourth word.
- Q is the corner radius.

W10-16: Another Train Coming (Blank-Out)

- A is the length of each edge of the sign.
- B is the distance from the top of the first line to the top of the sign, the space between the lines, and the distance from the bottom of the last line to the bottom of the sign.
- C is the letter height and FHWA standard font for the first line.
- D is the letter height and FHWA standard font for the second and third lines.
- E is the distance from the vertical center of the sign to the left edge of the word on the first line.
- F is the distance from the vertical center of the sign to the right edge of the word on the first line.
- G is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- H is the distance from the vertical center of the sign to the left edge of the word on the third line.
- J is the distance from the vertical center of the sign to the right edge of the word on the third line.

W10-21: Busway Crossing

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for each line.
- E is the distance from the horizontal center of the sign to the bottom of the first line.
- F is the distance from the horizontal center of the sign to the top of the second line.
- G is the distance from the vertical center of the sign to the left edge of the word on the first line.
- H is the distance from the vertical center of the sign to the right edge of the word on the first line.
- J is the distance from the vertical center of the sign to the left edge of the word on the second line.
- K is the distance from the vertical center of the sign to the right edge of the word on the second line.
- L is the corner radius.

W10-21aP: Signal Ahead (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second line
- J is the distance from the vertical center of the plaque to the left and right edges of the word on the first line.
- K is the distance from the vertical center of the plaque to the left edge of the word on the second line.
- L is the distance from the vertical center of the plaque to the right edge of the word on the second line.
- M is the corner radius.

W12-2b: Low Clearance – Lane Overhead

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the sign and from the bottom of the line to the bottom of the sign.
- F is the distance from the top of the numbers to the top of the letters and the space between the numbers, words, and symbol.
- G is the letter height and FHWA standard font for the letters.
- H is the letter height and FHWA standard font for the numbers.
- J is the distance from the top of the arrow symbol to the top of the sign and from the bottom of the arrow symbol to the bottom of the sign.
- K is the length of the arrow.
- L is the distance from the vertical center of the sign to the left and right edges of the line and from the left edge of the first word to the right edge of the last word. L is a variable dimension.
- M is the width of the numbers.
- N is the width of the first word.
- P is the width of the arrow symbol.
- Q is the width of the second word.
- R is the corner radius.

W13-1aP: Advisory Speed Confirmation (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the word.
- G is the distance from the top of the number to the top of the plaque and from the bottom of the number to the bottom of the plaque.
- H is the letter height and FHWA standard font for the number.
- J is the distance from the vertical center of the plaque to the left and right edges of the line.
- K is the width of the number.
- L is the space between the number and the word.
- M is the width of the word.
- N is the corner radius.

W13-8: Combination Horizontal Alignment/ Advisory Exit Speed - 180-degree Loop

W13-8R

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom edge of the dividing line to the intersection of the vertical center of the sign and the centerline of the arrow at the top of the curve.
- J is the radius of the centerline of the curve in the arrow shaft, from the base of the curve to the end of the curve, and the vertical distance from the apex of the curve centerline to the base of the arrowhead.
- K is the height of the length of the arrowhead.
- L is the space between the second and third lines.
- M is the letter height and FHWA standard font for the third line.
- N is the space between the third and fourth lines.
- P is the letter height and FHWA standard font for the fourth line.
- Q is the distance from the bottom of the last line to the bottom of the sign.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance to the left from the vertical center of the sign to the center of the curve in the arrow.
- U is the width of the arrow shaft.
- V is the distance from the vertical center of the sign to the left and right edges of the number on the third line.
- W is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- X is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Y is the width of the arrowhead.
- Z is the corner radius.

W13-8L

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.

- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom edge of the dividing line to the intersection of the vertical center of the sign and the centerline of the arrow at the top of the curve.
- J is the radius of the centerline of the curve in the arrow shaft, from the base of the curve to the end of the curve, and the vertical distance from the apex of the curve centerline to the base of the arrowhead.
- K is the height of the length of the arrowhead.
- L is the space between the second and third lines.
- M is the letter height and FHWA standard font for the third line.
- N is the space between the third and fourth lines.
- P is the letter height and FHWA standard font for the fourth line.
- Q is the distance from the bottom of the last line to the bottom of the sign.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance to the right from the vertical center of the sign to the center of the curve in the arrow.
- U is the width of the arrow shaft.
- V is the distance from the vertical center of the sign to the left and right edges of the number on the third line.
- W is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- X is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Y is the width of the arrowhead.
- Z is the corner radius.

W13-9: Combination Horizontal Alignment/ Advisory Ramp Speed - 180-degree Loop

W13-9R

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom edge of the dividing line to the intersection of the vertical center of the sign and the centerline of the arrow at the top of the curve.
- J is the radius of the centerline of the curve in the arrow shaft, from the base of the curve to the end of the curve, and the vertical distance from the apex of the curve centerline to the base of the arrowhead.
- K is the height of the length of the arrowhead.
- L is the space between the second and third lines.
- M is the letter height and FHWA standard font for the third line.
- N is the space between the third and fourth lines.
- P is the letter height and FHWA standard font for the fourth line.
- Q is the distance from the bottom of the last line to the bottom of the sign.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance to the left from the vertical center of the sign to the center of the curve in the arrow.
- U is the width of the arrow shaft.
- V is the distance from the vertical center of the sign to the left and right edges of the number on the third line.
- W is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- X is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Y is the width of the arrowhead.
- Z is the corner radius.

W13-9L

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.

- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom edge of the dividing line to the intersection of the vertical center of the sign and the centerline of the arrow at the top of the curve.
- J is the radius of the centerline of the curve in the arrow shaft, from the base of the curve to the end of the curve, and the vertical distance from the apex of the curve centerline to the base of the arrowhead.
- K is the height of the length of the arrowhead.
- L is the space between the second and third lines.
- M is the letter height and FHWA standard font for the third line.
- N is the space between the third and fourth lines.
- P is the letter height and FHWA standard font for the fourth line.
- Q is the distance from the bottom of the last line to the bottom of the sign.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance to the right from the vertical center of the sign to the center of the curve in the arrow.
- U is the width of the arrow shaft.
- V is the distance from the vertical center of the sign to the left and right edges of the number on the third line.
- W is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- X is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Y is the width of the arrowhead.
- Z is the corner radius.

W13-10: Combination Horizontal Alignment/ Advisory Exit Speed - Turn

W13-10R

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom edge of the dividing line to the top of the arrow symbol.
- J is the height of the arrow symbol.
- K is the space between the base of the arrow and the word on the last line.
- L is the letter height and FHWA standard font for the word on the last line.
- M is the distance from the bottom of the word on the last line to the bottom of the sign.
- N is the space between the number on the third line and the word on the last line.
- P is the letter height and FHWA standard font for the number on the third line.
- Q is the distance from the top of the number to the bottom barb of the arrowhead.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance from the vertical center of the sign to the left edge of the arrow shaft.
- U is the distance from the vertical center of the sign to the tip of the arrowhead.
- V is the outer radius of the curve in the arrow shaft.
- W is the inner radius of the curve in the arrow shaft.
- X is the distance from the vertical center of the content on the last two lines to the left and right edges of the number on the third line.
- Y is the distance from the vertical center of the content on the last two lines to the left edge of the word on the last line.
- Z is the distance from the vertical center of the content on the last two lines to the right edge of the word on the last line.
- AA is the width of the arrow shaft.
- BB is the width of the arrowhead.
- CC is the distance from the vertical center of the sign to the vertical center of the content on the last two lines.
- DD is the corner radius.

W13-10L

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.

- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom edge of the dividing line to the top of the arrow symbol.
- J is the height of the arrow symbol.
- K is the space between the base of the arrow and the word on the last line.
- L is the letter height and FHWA standard font for the word on the last line.
- M is the distance from the bottom of the word on the last line to the bottom of the sign.
- N is the space between the number on the third line and the word on the last line.
- P is the letter height and FHWA standard font for the number on the third line.
- Q is the distance from the top of the number to the bottom barb of the arrowhead.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance from the vertical center of the sign to the right edge of the arrow shaft.
- U is the distance from the vertical center of the sign to the tip of the arrowhead.
- V is the outer radius of the curve in the arrow shaft.
- W is the inner radius of the curve in the arrow shaft.
- X is the distance from the vertical center of the content on the last two lines to the left and right edges of the number on the third line.
- Y is the distance from the vertical center of the content on the last two lines to the left edge of the word on the last line.
- Z is the distance from the vertical center of the content on the last two lines to the right edge of the word on the last line.
- AA is the width of the arrow shaft.
- BB is the width of the arrowhead.
- CC is the distance from the vertical center of the sign to the vertical center of the content on the last two lines.
- DD is the corner radius.

W13-11: Combination Horizontal Alignment/ Advisory Ramp Speed - Turn

W13-11R

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom edge of the dividing line to the top of the arrow symbol.
- J is the height of the arrow symbol.
- K is the space between the base of the arrow and the word on the last line.
- L is the letter height and FHWA standard font for the word on the last line.
- M is the distance from the bottom of the word on the last line to the bottom of the sign.
- N is the space between the number on the third line and the word on the last line.
- P is the letter height and FHWA standard font for the number on the third line.
- Q is the distance from the top of the number to the bottom barb of the arrowhead.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance from the vertical center of the sign to the left edge of the arrow shaft.
- U is the distance from the vertical center of the sign to the tip of the arrowhead.
- V is the outer radius of the curve in the arrow shaft.
- W is the inner radius of the curve in the arrow shaft.
- X is the distance from the vertical center of the content on the last two lines to the left and right edges of the number on the third line.
- Y is the distance from the vertical center of the content on the last two lines to the left edge of the word on the last line.
- Z is the distance from the vertical center of the content on the last two lines to the right edge of the word on the last line.
- AA is the width of the arrow shaft.
- BB is the width of the arrowhead.
- CC is the distance to the right from the vertical center of the sign to the vertical center of the content on the last two lines.
- DD is the corner radius.

W13-11L

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.

- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom edge of the dividing line to the top of the arrow symbol.
- J is the height of the arrow symbol.
- K is the space between the base of the arrow and the word on the last line.
- L is the letter height and FHWA standard font for the word on the last line.
- M is the distance from the bottom of the word on the last line to the bottom of the sign.
- N is the space between the number on the third line and the word on the last line.
- P is the letter height and FHWA standard font for the number on the third line.
- Q is the distance from the top of the number to the bottom barb of the arrowhead.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance from the vertical center of the sign to the right edge of the arrow shaft.
- U is the distance from the vertical center of the sign to the tip of the arrowhead.
- V is the outer radius of the curve in the arrow shaft.
- W is the inner radius of the curve in the arrow shaft.
- X is the distance from the vertical center of the content on the last two lines to the left and right edges of the number on the third line.
- Y is the distance from the vertical center of the content on the last two lines to the left edge of the word on the last line.
- Z is the distance from the vertical center of the content on the last two lines to the right edge of the word on the last line.
- AA is the width of the arrow shaft.
- BB is the width of the arrowhead.
- CC is the distance to the left from the vertical center of the sign to the vertical center of the content on the last two lines.
- DD is the corner radius.

W13-12: Combination Horizontal Alignment/ Advisory Exit Speed - Truck Rollover

W13-12R

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom of the dividing line to the top of the arrow symbol on the second line.
- J is the distance from the base of the curve to the top of the arrow symbol on the second line.
- K is the length of the straight vertical section of the arrow shaft at its base.
- L is the distance from the bottom of the arrow shaft to the top of the road surface line.
- M is the width of the road surface line.
- N is the distance from the bottom of the road surface line to the top of the number on the third line.
- P is the letter height and FHWA standard font for the third line.
- Q is the space between the third and fourth lines.
- R is the letter height and FHWA standard font for the fourth line.
- S is the distance from the bottom of the last line to the bottom of the sign.
- T is the distance from the bottom of the tractor-trailer symbol to the tip of the arrowhead.
- U is the length of the straight section of the arrow shaft from the end of the curve to the base of the arrowhead.
- V is the distance from the vertical center of the sign to the left edge of the word on the first line.
- W is the distance from the vertical center of the sign to the right edge of the word on the first line.
- X is the distance to the right from the vertical center of the sign to the right edge of the arrow symbol.
- Y is the distance from the bottom of the right outer tire to the top right corner of the tractor-trailer.
- Z is the radius of the curve at the centerline of the arrow shaft.
- AA is width of the arrow shaft.
- BB is the distance from the vertical center of the sign to the top left corner of the tractor-trailer.
- CC is the distance from the vertical center of the sign to the left edge of the road surface line.
- DD is the distance from the vertical center of the sign to the right edge of the road surface line.

- EE is the distance from the vertical center of the sign to the left and right edges of the number on the third line.
- FF is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- GG is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- HH is the width of the arrowhead.
- JJ is the corner radius.

W13-12L

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom of the dividing line to the top of the arrow symbol on the second line.
- J is the distance from the base of the curve to the top of the arrow symbol on the second line.
- K is the length of the straight vertical section of the arrow shaft at its base.
- L is the distance from the bottom of the arrow shaft to the top of the road surface line.
- M is the width of the road surface line.
- N is the distance from the bottom of the road surface line to the top of the number on the third line.
- P is the letter height and FHWA standard font for the third line.
- Q is the space between the third and fourth lines.
- R is the letter height and FHWA standard font for the fourth line.
- S is the distance from the bottom of the last line to the bottom of the sign.
- T is the distance from the bottom of the tractor-trailer symbol to the tip of the arrowhead.
- U is the length of the straight section of the arrow shaft from the end of the curve to the base of the arrowhead.
- V is the distance from the vertical center of the sign to the left edge of the word on the first line.
- W is the distance from the vertical center of the sign to the right edge of the word on the first line.
- X is the distance to the left from the vertical center of the sign to the left edge of the arrow symbol.
- Y is the distance from the bottom of the right outer tire to the top right corner of the tractor-trailer.
- Z is the radius of the curve at the centerline of the arrow shaft.
- AA is width of the arrow shaft.

- BB is the distance from the vertical center of the sign to the top left corner of the tractor-trailer.
- CC is the distance from the vertical center of the sign to the left edge of the road surface line.
- DD is the distance from the vertical center of the sign to the right edge of the road surface line.
- EE is the distance from the vertical center of the sign to the left and right edges of the number on the third line.
- FF is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- GG is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- HH is the width of the arrowhead.
- JJ is the corner radius.

W13-13: Combination Horizontal Alignment/ Advisory Ramp Speed - Truck Rollover

W13-13R

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom of the dividing line to the top of the arrow symbol on the second line.
- J is the distance from the base of the curve to the top of the arrow symbol on the second line.
- K is the length of the straight vertical section of the arrow shaft at its base.
- L is the distance from the bottom of the arrow shaft to the top of the road surface line.
- M is the width of the road surface line.
- N is the distance from the bottom of the road surface line to the top of the number on the third line.
- P is the letter height and FHWA standard font for the third line.
- Q is the space between the third and fourth lines.
- R is the letter height and FHWA standard font for the fourth line.
- S is the distance from the bottom of the last line to the bottom of the sign.
- T is the distance from the bottom of the tractor-trailer symbol to the tip of the arrowhead.
- U is the length of the straight section of the arrow shaft from the end of the curve to the base of the arrowhead.
- V is the distance from the vertical center of the sign to the left edge of the word on the first line.
- W is the distance from the vertical center of the sign to the right edge of the word on the first line.
- X is the distance to the right from the vertical center of the sign to the right edge of the arrow symbol.
- Y is the distance from the bottom of the right outer tire to the top right corner of the tractor-trailer.
- Z is the radius of the curve at the centerline of the arrow shaft.
- AA is width of the arrow shaft.
- BB is the distance from the vertical center of the sign to the top left corner of the tractor-trailer.
- CC is the distance from the vertical center of the sign to the left edge of the road surface line.
- DD is the distance from the vertical center of the sign to the right edge of the road surface line.

- EE is the distance from the vertical center of the sign to the left and right edges of the number on the third line.
- FF is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- GG is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- HH is the width of the arrowhead.
- JJ is the corner radius.

W13-13L

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width and the width of the dividing line.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the distance from the bottom of the first line to the top edge of the dividing line.
- H is the distance from the bottom of the dividing line to the top of the arrow symbol on the second line.
- J is the distance from the base of the curve to the top of the arrow symbol on the second line.
- K is the length of the straight vertical section of the arrow shaft at its base.
- L is the distance from the bottom of the arrow shaft to the top of the road surface line.
- M is the width of the road surface line.
- N is the distance from the bottom of the road surface line to the top of the number on the third line.
- P is the letter height and FHWA standard font for the third line.
- Q is the space between the third and fourth lines.
- R is the letter height and FHWA standard font for the fourth line.
- S is the distance from the bottom of the last line to the bottom of the sign.
- T is the distance from the bottom of the tractor-trailer symbol to the tip of the arrowhead.
- U is the length of the straight section of the arrow shaft from the end of the curve to the base of the arrowhead.
- V is the distance from the vertical center of the sign to the left edge of the word on the first line.
- W is the distance from the vertical center of the sign to the right edge of the word on the first line.
- X is the distance to the left from the vertical center of the sign to the left edge of the arrow symbol.
- Y is the distance from the bottom of the right outer tire to the top right corner of the tractor-trailer.
- Z is the radius of the curve at the centerline of the arrow shaft.
- AA is width of the arrow shaft.

- BB is the distance from the vertical center of the sign to the top left corner of the tractor-trailer.
- CC is the distance from the vertical center of the sign to the left edge of the road surface line.
- DD is the distance from the vertical center of the sign to the right edge of the road surface line.
- EE is the distance from the vertical center of the sign to the left and right edges of the number on the third line.
- FF is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- GG is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- HH is the width of the arrowhead.
- JJ is the corner radius.

W13-20: Vehicle Speed Feedback

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the first and second lines.
- H is the letter height and FHWA standard font for the second line.
- J is the space between the second and third lines.
- K is the height of the black panel on the third line.
- L is the distance from the bottom of the black panel to the bottom of the sign.
- M is the distance from the vertical center of the sign to the left edge of the word on the first line.
- N is the distance from the vertical center of the sign to the right edge of the word on the first line.
- P is the distance from the vertical center of the sign to the left edge of the word on the second line.
- Q is the distance from the vertical center of the sign to the right edge of the word on the second line.
- R is the distance from the vertical center of the sign to the left and right edges of the black panel on the third line.
- S is the distance from the vertical center of the sign to the left and right edges of the number on the third line.
- T is the height of the number on the third line.
- U is the corner radius.

W13-20aP: Vehicle Speed Feedback (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the first line and the panel.
- H is the distance from the vertical center of the sign to the left and right edges of the panel.
- J is the distance from the bottom of the panel to the bottom of the plaque.
- K is the width of the first word on the first line.
- L is the distance from the vertical center of the plaque to the right edge of the first word on the first line.
- M is the distance from the vertical center of the plaque to the left edge of the second word on the first line.
- N is the width of the second word on the first line.
- P is the is the distance from the vertical center of the plaque to the left and right edges of the number in the panel.
- Q is the letter height and FHWA standard font for the number in the panel.
- R is the corner radius.

W16-1P: In Road (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the distance from the vertical center of the plaque to the left edge of the first line.
- J is the distance from the vertical center of the plaque to the right edge of the first line.
- K is the distance from the vertical center of the plaque to the left and right edges of the second line.
- L is the corner radius.

W16-1aP: In Street (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the distance from the vertical center of the plaque to the left edge of the first line.
- J is the distance from the vertical center of the plaque to the right edge of the first line.
- K is the distance from the vertical center of the plaque to the left and right edges of the second line.
- L is the corner radius.

W16-7aP: Dual Downward Diagonal Arrow (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the plaque to the intersection of the vertical center of the plaque with the arrow centerlines.
- F is the distance from the tips of the arrowheads to the intersection of the vertical center of the sign with the arrow centerlines, and the distance from the vertical center of the plaque to the left and right tips of the arrowheads.
- G is the distance from the bottom of the arrows to the bottom of the plaque
- H is the width of the arrow shaft.
- J is the corner radius.

W16-16aP: Last Exit Before Toll (2-line plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the width of the first word on the first line.
- J is the distance from the vertical center of the plaque to the right edge of the first word on the first line.
- K is the distance from the vertical center of the plaque to the left edge of the second word on the first line.
- L is the width of the second word on the first line.
- M is the distance from the vertical center of the plaque to the left edge of the first word on the second line.
- N is the distance from the vertical center of the plaque to the right edge of the first word on the second line.
- P is the space between the words on the second line.
- Q is the width of the second word on the second line.
- R is the corner radius.

W16-19P: Last In Corridor (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the lines and between the words on the first line.
- H is the letter height and FHWA standard font for the second line.
- J is the distance from the vertical center of the plaque to the left edge of the first word on the first line.
- K is the distance from the vertical center of the plaque to the right edge of the first word on the first line.
- L is the width of the second word on the first line.
- M is the distance from the vertical center of the plaque to the left edge of the word on the second line.
- N is the distance from the vertical center of the plaque to the right edge of the word on the second line.
- P is the corner radius.

W16-20P: Except Bicycles (Plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque, the distance from the bottom of the last line to the bottom of the plaque, and the space between the lines.
- F is the letter height and FHWA standard font for each line.
- G is the distance from the vertical center of the plaque to the left edge of the word on the first line.
- H is the distance from the vertical center of the plaque to the right edge of the word on the first line.
- J is the distance from the vertical center of the plaque to the left and right edges of the word on the second line.
- K is the corner radius.

W16-21P: 2-Way Bicycle Cross Traffic (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the width of the number on the first line.
- J is the space between the number and the hyphen on the first line.
- K is the width of the hyphen on the first line.
- L is the space between the hyphen and the first word on the first line.
- M is the width of the first word on the first line.
- N is the distance from the vertical center of the plaque to the right edge of the first word on the first line and the corner radius.
- P is the width of the second word on the first line.
- Q is the width of the first word on the second line.
- R is the space between the words on the second line.
- S is the distance from the vertical center of the plaque to the left edge of the second word on the second line.
- T is the distance from the vertical center of the plaque to the right edge of the second word on the second line.

W23-2a: New Signal Operation Ahead

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for each line.
- E is the space between the lines and the distance from the horizontal center of the sign to the bottom of the second line.
- F is the distance from the vertical center of the sign to the left edge of the word on the first line.
- G is the distance from the vertical center of the sign to the right edge of the word on the first line.
- H is the distance from the vertical center of the sign to the left edge of the word on the second line.
- J is the distance from the vertical center of the sign to the right edge of the word on the second line.
- K is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- L is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- M is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- N is the corner radius.

W26-1: Watch For Stopped Traffic

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the letter height and FHWA standard font for each line.
- E is the space between the lines and the distance from the horizontal center of the sign to the bottom of the first line.
- F is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- G is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- H is the space between the words on the first line.
- J is the width of the second word on the first line.
- K is the distance from the vertical center of the sign to the left edge of the word on the second line.
- L is the distance from the vertical center of the sign to the right edge of the word on the second line.
- M is the distance from the vertical center of the sign to the left edge of the word on the third line.
- N is the distance from the vertical center of the sign to the right edge of the word on the third line.
- P is the corner radius.