

**APPENDIX B2 – REGULATORY SIGNS  
DIMENSION DESCRIPTIONS**

## **R1-2bP**

- 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 width of the first word on the first line.
- K is the space between the words on each line.
- L is the distance from the vertical center of the plaque to the left edge of the second word on the first line.
- M is the distance from the vertical center of the plaque to the right edge of the second word on the first line.
- N is the width 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 distance from the vertical center of the plaque to the right edge of the second word on the second line.
- R is the corner radius.

## **R1-2cP**

- 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 width of the first word on the first line.
- K is the space between the words on each line.
- L is the distance from the vertical center of the plaque to the left edge of the second word on the first line.
- M is the distance from the vertical center of the plaque to the right edge of the second word on the first line.
- N is the distance from the vertical center of the plaque to the left edge of the word on the second line.
- P is the distance from the vertical center of the plaque to the right edge of the word on the second line.
- Q is the corner radius.

## **R1-5d**

### ***R1-5dR and R1-5dL***

- 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 yield symbol to the top of the sign.
- F is the distance from the top of the white area on the yield symbol to the top of the symbol.
- G is the distance from the top of the word on the yield symbol to the top of the white area on the symbol.
- H is the letter height and FHWA standard font for the word on the yield symbol.
- J is the distance from the bottom of the word on the yield symbol to the bottom of the yield symbol.
- K is the distance from the bottom of the yield symbol to the top of the word “HERE.”
- L is the letter height and FHWA standard font for the words “HERE” and “TO”.
- M is the distance from the bottom of the word “HERE” to the top of the arrow symbol.
- N is the height of the arrow symbol.
- P is the distance from the tip of the arrowhead to the bottom of the sign.
- Q is the distance from the bottom of the pedestrian symbol to the bottom of the sign.
- R is the distance from the bottom of the word “TO” to the bottom of the pedestrian symbol.
- S is the distance from the top of the word “TO” to the top of the pedestrian symbol.
- T is the height of the pedestrian symbol.
- U is the space between the bicycle symbol and pedestrian symbol.
- V is the height of the bicycle symbol.
- W is the distance between the bottom of the yield symbol to the top of the bicycle symbol.
- X is the height of the yield symbol.
- Y is the distance from the vertical center of the sign to the left edge of the word on the yield symbol.
- Z is the distance from the vertical center of the sign to the right edge of the word on the yield symbol.
- AA is the distance from the vertical center of the sign to the left edge of the word “HERE.”
- BB is the width of the word “HERE.”
- CC is the distance from the vertical center of the sign to the left edge of the bicycle symbol.
- DD is the distance from the vertical center of the sign to the left edge of the word “TO.”
- EE is the distance from the vertical center of the sign to the right edge of the word “TO.”
- FF is the distance from the vertical center of the sign to the tip of the arrowhead.
- GG is the distance from the vertical center of each sign to the left edge of the pedestrian symbol on the first sign and to the right edge of the pedestrian symbol on the second sign.

- HH is the corner radius of the white and red areas of the yield symbol.
- JJ is the corner radius of the sign.

## R1-5e

### *R1-5eR and R1-5eL*

- 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 stop sign symbol to the top of the sign.
- F is the distance from the top of the word on the stop sign symbol to the top of the symbol and from the bottom of the word on symbol to the bottom of the symbol.
- G is the letter height and FHWA standard font for the word on the stop sign symbol.
- H is the distance from the bottom of the stop sign symbol to the top of the word “HERE.”
- J is the letter height and FHWA standard font for the words.
- K is the distance from the bottom of the word “HERE” to the top of the arrow symbol.
- L is the height of the arrow symbol.
- M is the distance from the tip of the arrowhead to the bottom of the sign.
- N is the distance from the bottom of the pedestrian symbol to the bottom of the sign.
- P is the distance from the bottom of the word “FOR” to the bottom of the pedestrian symbol.
- Q is the distance from the top of the word “FOR” to the top of the pedestrian symbol.
- R is the height of the pedestrian symbol.
- S is the space between the bicycle symbol and pedestrian symbol.
- T is the height of the bicycle symbol.
- U is the distance between the bottom of the stop sign symbol to the top of the bicycle symbol.
- V is the height of the stop sign symbol.
- W is the distance between the top left and top right corners of the stop sign symbol.
- X is the distance from the vertical center of the sign to the left edge of the word on the stop sign symbol.
- Y is the distance from the vertical center of the sign to the right edge of the word on the stop sign symbol.
- Z is the distance from the vertical center of the sign to the left edge of the word “HERE.”
- AA is the width of the word “HERE.”
- BB is the distance from the vertical center of the sign to the left edge of the word “FOR.”
- CC is the distance from the vertical center of the sign to the right edge of the word “FOR.”
- DD is the distance from the vertical center of the sign to the tip of the arrowhead.
- EE is the distance from the vertical center of the sign to the left edge of the pedestrian symbol.
- FF is the corner radius.

## R1-6d

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the white panel border width.
- D is the distance from the top of the first line to the top of the sign.
- E is the letter height and FHWA standard font for the first and second lines.
- F is the space between the first and second lines.
- G is the space between the second line and the white panel, the space between the panel and the first line below the panel, the space between the lines below the panel, and the space between the last line and the bottom of the sign.
- H is the height of the panel.
- J is the distance from the top of the white panel to the top of the yield sign symbol and from the bottom of the pedestrian symbol to the bottom of the panel.
- K is the height of the yield sign symbol.
- L is the space between the lines on the white panel.
- M is the letter height and FHWA standard font for the second line on the white panel.
- N is the height of the bicycle symbol on the white panel.
- P is the height of the pedestrian symbol on the white panel.
- Q is the letter height and FHWA standard font for the lines below the white panel.
- R is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- S is the distance from the vertical center of the sign to the left edge of the word on the second line.
- T is the distance from the vertical center of the sign to the right edge of the word on the second line.
- U is the distance from the vertical center of the sign to the left and right edges of the panel.
- V is the red border width of the yield sign symbol.
- W is the distance from the top of the word on the yield sign symbol to the top of the white triangular panel on the symbol.
- X is the letter height and FHWA standard font for the word on the yield sign symbol.
- Y is the distance from the vertical center of the sign to the left and right edges of the word on the yield sign symbol.
- Z is the distance from the vertical center of the sign to the left edge of the word on the second line on the panel.
- AA is the distance from the vertical center of the sign to the right edge of the word on the second line on the panel.
- BB is the corner radius of the yield sign symbol and its triangular white panel.
- CC is the corner radius of the vertical rectangular white panel on the sign.
- DD is the distance from the vertical center of the sign to the left and right edges of the word on the first line below the panel.
- EE is the distance from the vertical center of the sign to the left edge of the word on the second line below the panel.

- FF is the distance from the vertical center of the sign to the right edge of the word on the second line below the panel.
- GG is the corner radius of the sign.



## R1-6e

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the panel border width.
- D is the distance from the top of the first line to the top of the sign.
- E is the letter height and FHWA standard font for the first and second lines.
- F is the space between the words on the first and second lines.
- G is the space between the second line and the white panel, the space between the panel and the first line below the panel, the space between the lines below the panel, and the space between the last line and the bottom of the sign.
- H is the height of the white panel.
- J is the distance from the top of the white panel to the top of the stop sign symbol and from the bottom of the pedestrian symbol to the bottom of the panel.
- K is the height of the stop sign symbol.
- L is the space between the lines on the white panel.
- M is the letter height and FHWA standard font for the third line.
- N is the height of the bicycle symbol on the white panel.
- P is the height of the pedestrian symbol on the white panel.
- Q is the letter height and FHWA standard font for the fourth and fifth lines.
- R is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- S is the distance from the vertical center of the sign to the left edge of the word on the second line.
- T is the distance from the vertical center of the sign to the right edge of the word on the second line.
- U is the distance from the vertical center of the sign to the left and right edges of the panel.
- V is the distance from the vertical center of the sign to the left and right edges of the stop sign symbol.
- W is the distance from the top of the stop sign symbol to the top of the word on the stop sign symbol.
- X is the letter height and FHWA standard font for the word on the stop sign symbol.
- Y is the distance from the vertical center of the sign to the left and right edges of the word on the stop sign symbol.
- Z is the distance from the vertical center of the sign to the left and right edges of the second line on the white panel.
- AA is the corner radius of the white panel.
- BB is the distance from the vertical center of the sign to the left and right edges of the first line below the panel.
- CC is the distance from the vertical center of the sign to the left edge of the last line.
- DD is the distance from the vertical center of the sign to the right edge of the last line.
- EE is the corner radius of the sign.

## R1-9d

- 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 and for the lines on the bottom left of the sign.
- G is the distance from the bottom of the first line to the top of the dividing line and from the bottom of the dividing line to the top of the pedestrian symbol.
- H is the width of the dividing line.
- J is the distance from the bottom of the dividing line to the top of the first line on the bottom right of the sign.
- K is the letter height and FHWA standard font for the lines on the bottom right of the sign.
- L is the space between the lines on the bottom right of the sign.
- M is the distance from the bottom of the last line on the bottom right of the sign to the bottom of the sign.
- N is the space between the lines on the bottom left of the sign and the distance from the bottom of the last line on the bottom left of the sign to the bottom of the sign.
- P is the distance from the bottom edge of the dividing line to the top of the first line on the bottom left of the sign.
- Q is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- R is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- S is the space between the words on the first line.
- T is the width of the second word on the first line.
- U is the height of the pedestrian symbol.
- V is the distance from the bottom edge of the dividing line to the top of the bicycle symbol.
- W is the height of the bicycle symbol.
- X is the width of the word on the first line on the bottom left of the sign.
- Y is the width of the word on the second line on the bottom left of the sign.
- Z is the distance from the right edge of the word on the first line on the bottom left of the sign to the right edge of the word on the second line on the bottom left of the sign.
- AA is the space between the word “YIELD” and the pedestrian symbol, between the pedestrian and bicycle symbols, and between the bicycle symbol and the word “CROSSWALK.”
- BB is the width of the pedestrian symbol.
- CC is the distance from the vertical center of the sign to the left edge of the bicycle symbol.

- DD is the distance from the vertical center of the sign to the right edge of the bicycle symbol.
- EE is the distance from the right edge of the bicycle symbol to the left edge of the word on the first line on the bottom right of the sign.
- FF is the width of the word on the first line on the bottom right of the sign.
- GG is the width of the word on the second line on the bottom right of the sign.
- HH is the corner radius.

## R1-9e

- 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 and for the lines on the bottom left of the sign.
- G is the distance from the bottom of the first line to the top of the dividing line and from the bottom of the dividing line to the top of the pedestrian symbol.
- H is the width of the dividing line.
- J is the distance from the bottom of the dividing line to the top of the first line on the bottom right of the sign.
- K is the letter height and FHWA standard font for the lines on the bottom right of the sign.
- L is the space between the lines on the bottom right of the sign.
- M is the distance from the bottom of the last line on the bottom right of the sign to the bottom of the sign.
- N is the space between the lines on the bottom left of the sign and the distance from the bottom of the last line on the bottom left of the sign to the bottom of the sign.
- P is the distance from the bottom edge of the dividing line to the top of the first line on the bottom left of the sign.
- Q is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- R is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- S is the space between the words on the first line.
- T is the width of the second word on the first line.
- U is the height of the pedestrian symbol.
- V is the distance from the bottom edge of the dividing line to the top of the bicycle symbol.
- W is the height of the bicycle symbol.
- X is the width of the word on the first line on the bottom left of the sign.
- Y is the width of the word on the second line on the bottom left of the sign.
- Z is the distance from the right edge of the word on the first line on the bottom left of the sign to the right edge of the word on the second line on the bottom left of the sign.
- AA is the space between the word "STOP" and the pedestrian symbol, between the pedestrian and bicycle symbols, and between the bicycle symbol and the word "CROSSWALK."
- BB is the width of the pedestrian symbol.
- CC is the distance from the vertical center of the sign to the left edge of the bicycle symbol.
- DD is the distance from the vertical center of the sign to the right edge of the bicycle symbol.

- EE is the distance from the right edge of the bicycle symbol to the left edge of the word on the first line on the bottom right of the sign.
- FF is the width of the word on the first line on the bottom right of the sign.
- GG is the width of the word on the second line on the bottom right of the sign.
- HH is the corner radius.

## **R2-2aP**

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

## **R2-2bP**

- 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 letter height and FHWA standard font for the third line.
- K is the distance from the vertical center of the plaque to the left edge of the word on the first line.
- L is the distance from the vertical center of the plaque to the right edge of the 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 distance from the vertical center of the plaque to the left and right edges of the number on the third line.
- Q is the corner radius.

## R2-2cP

- 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 word to the top of the plaque.
- F is the letter height and FHWA standard font for the first and second lines and the word on the third line.
- G is the space between the first and second lines and between the third and fourth lines.
- H is the letter height and FHWA standard font for the fourth line.
- J is the distance from the bottom of the fourth line to the bottom of the plaque.
- K is the distance from the bottom of the third line to the bottom of the plaque.
- L is the letter height and FHWA standard font for the number on the third line.
- M is the distance from the vertical center of the plaque to the left edge of the first line.
- N is the distance from the vertical center of the plaque to the right edge of the first line.
- P is the distance from the vertical center of the plaque to the left and right edges of the second line.
- Q is the distance from the vertical center of the plaque to the left and right edges of the third line.
- R is the width of the number on the third line.
- S is the space between the number and the word on the third line.
- T is the width of the word on the third line.
- U is the distance from the vertical center of the plaque to the left and right edges of the fourth line.
- V is the corner radius.



## R2-13

- 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 the first, third, and fourth lines.
- 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 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 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 distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- R is the corner radius.

## R2-14

- 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 the first, third, and fourth 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 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 and right edges 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 distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- Q is the corner radius.

### **R3-1b**

- 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.
- F is the letter height and FHWA standard font for the line.
- G is the space between the line and the circle.
- H is the distance from the horizontal center of the circle to the top and bottom of the circle.
- J is the distance from the bottom of the circle to the bottom of the sign.
- K is the distance from the vertical center of the sign to the left and right edges of the word.
- L is the corner radius.

### **R3-1c**

- 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.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines and between the second line and the circle.
- H is the distance from the horizontal center of the circle to the top and bottom of the circle.
- J is the distance from the bottom of the circle to the bottom of the sign.
- K is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- L is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- M is the corner radius.

### **R3-1d**

- 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 lines.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the space between the last line and the circle.
- K is the distance from the horizontal center of the circle to the top and bottom of the circle.
- L is the distance from the bottom of the circle 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 and right edges of the word on the second line.
- Q is the distance from the vertical center of the sign to the left and right edges of the third line.
- R is the width of the number on the third line.
- S is the space between the number and the word on the third line.
- T is the width of the word on the third line.
- U is the corner radius.

### R3-1e

- 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 circle to the top of the sign.
- F is the distance from the horizontal center of the circle to the top and bottom of the circle.
- G is the space between the circle and the first line.
- H is the letter height and FHWA standard font for the first line.
- J is the space between the lines.
- K is the letter height and FHWA standard font for the second line.
- L is the distance from the bottom of the last line 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 corner radius.

### R3-1f

- 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 circle to the top of the sign.
- F is the distance from the horizontal center of the circle to the top and bottom of the circle.
- G is the space between the circle and the first line.
- H is the letter height and FHWA standard font for the first line.
- J is the space between the lines.
- K is the letter height and FHWA standard font for the second and third lines.
- L is the distance from the bottom of the last line 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 edge of the word on the third line.
- S is the distance from the vertical center of the sign to the right edge of the word on the third line.
- T is the corner radius.

### **R3-1g**

- 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 circle to the top of the sign.
- F is the distance from the horizontal center of the circle to the top and bottom of the circle.
- G is the space between the circle and the first line.
- H is the letter height and FHWA standard font for the first line.
- J is the space between the lines.
- K is the letter height and FHWA standard font for the second line.
- L is the distance from the bottom of the last line to the bottom of the sign.
- M is the distance from the vertical center of the sign to the left and right edges of the first line.
- N is the width of the first number on the first line.
- P is the space between the numbers, words, and hyphens on the first and second lines.
- Q is the width of the first word on the first line.
- R is the width of the hyphen on the first and second lines.
- S is the width of the second number on the first line.
- T is the width of the second word on the first line.
- U is the distance from the vertical center of the sign to the left and right edges of the second line.
- V is the width of the first line on the second line.
- W is the width of the second word on the second line.
- X is the corner radius.



## R3-1h – Sheet 1

- 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 circle to the top of the sign.
- F is the distance from the horizontal center of the circle to the top and bottom of the circle.
- G is the space between the circle and the first line.
- H is the letter height and FHWA standard font for the first and second lines.
- J is the space between the lines.
- K is the letter height and FHWA standard font for the third line.
- L is the distance from the bottom of the last line to the bottom of the sign.
- M is the distance from the vertical center of the sign to the left and right edges of the first line.
- N is the width of the numbers on the first and second lines.
- P is the space between the numbers and words on the first line.
- Q is the width of the words on the first line.
- R is the space between the hyphen and words or numbers on each line.
- S is the width of the hyphens.
- T is the distance from the vertical center of the sign to the left and right edges of the second line.
- U is the width of the words on the second line.
- V is the distance from the vertical center of the sign to the left and right edges of the third line.
- W is the width of the first word on the third line.
- X is the width of the second word on the third line.
- Y is the corner radius.

## R3-1h – Sheet 2

- 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 circle to the top of the sign.
- F is the distance from the horizontal center of the circle to the top and bottom of the circle.
- G is the space between the circle and the first line.
- H is the letter height and FHWA standard font for the first and second lines.
- J is the space between the lines.
- K is the letter height and FHWA standard font for the third line.
- L is the distance from the bottom of the last line to the bottom of the sign.
- M is the distance from the vertical center of the sign to the left and right edges of the first line.
- N is the width of the times on the first and second lines.
- P is the space between the times, words, and hyphens.
- Q is the width of the words on the first and second lines.
- R is the width of the hyphens.
- S is the distance from the vertical center of the sign to the left and right edges of the second line.
- T is the distance from the vertical center of the sign to the left and right edges of the third line.
- U is the width of the first word on the third line.
- V is the width of the second word on the third line.
- W is the corner radius.

### **R3-5hP**

- 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 distance from the vertical center of the plaque to the right edge of the first word.
- J is the distance from the vertical center of the plaque to the left edge of the second word
- K is the width of the second word.
- L is the corner radius.

### R3-6a

- 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 arrow symbol to the top of the sign.
- F is the distance from the top of the arrow symbol to the top of the curve in the lower arrow.
- G is the distance from the horizontal center of the sign to the top of the curve in the lower arrow.
- H is the distance from the horizontal center of the sign to the bottom of the arrow symbol.
- J is the distance from the bottom of the arrow symbol to the bottom of the sign.
- K is the distance from the vertical center of the sign to the tip of the upper arrowhead.
- L is the distance from the vertical center of the line to the right edge of the arrow symbol.
- M is the distance from the horizontal center of the sign to the tip of the upper arrowhead.
- N is the radius of the curve in the upper arrow.
- P is the distance from the horizontal center of the sign to the horizontal center of the curve in the upper arrow.
- Q is the distance from the horizontal center of the sign to the base of the common arrow shaft.
- R is the width of each arrow shaft.
- S is the distance from the vertical center of the sign to the left edge of the common arrow shaft at its base.
- T is the distance from the base of the arrow shaft to the horizontal center of the curve in the lower arrow.
- U is the distance from the vertical center of the sign to the tip of the lower arrowhead.
- V is the ending radius of the curve in the lower arrow.
- W is the starting radius of the curve in the lower arrow.
- X is the width of each arrowhead.
- Y is the corner radius.

### R3-6b

- 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 arrow symbol to the top of the sign.
- F is the distance from the top of the arrow symbol to the left barb of the first branch's arrowhead.
- G is the distance from the horizontal center of the sign to the left barb of the first branch's arrowhead.
- H is the distance from the horizontal center of the sign to the tip of the first branch's arrowhead.
- J is the distance from the tip of the first arrowhead to the start of the first branch's curve.
- K is the distance from the start of the first branch's curve to the base of the arrow shaft.
- L is the distance from the bottom of the arrow symbol to the bottom of the sign.
- M is the distance from the base of the common arrow shaft to the horizontal center of the curve in the second branch.
- N is the distance from the vertical center of the sign to the right barb of the second branch.
- P is the distance from the vertical center of the sign to the left barb of the second branch in the first sign and to the right barb of the second branch in the second sign.
- Q is the width of each arrow shaft.
- R is the distance from the vertical center of the sign to the right edge of the common arrow shaft at its base.
- S is the radius of the curve in the first branch.
- T is the radius of the curve in the second branch.
- U is the distance from the vertical center of the sign to the tip of the first arrowhead.
- V is the width of each arrowhead.
- W is the distance from the end of the curve to the tip of the arrowhead of the second branch.
- X is the distance from the end of the curve to the tip of the arrowhead of the first branch.
- Y is the corner radius.

## R3-7 – Sheet 1

- 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 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.
- E is the letter height and FHWA standard font for the first and third lines.
- F is the space between the lines.
- 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 and of the second word on the third 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 distance from the vertical center of the sign 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 sign to the left and right edges of the word on the second line.
- N is the width of the first word on the third line.
- P is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- Q is the distance from the vertical center of the sign to the left edge of the second word on the third line.
- R is the corner radius.

## R3-7 – Sheet 2

- 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 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.
- E is the letter height and FHWA standard font for the first and third lines.
- F is the space between the lines.
- 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 and of the second word on the third 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 distance from the vertical center of the sign 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 sign to the left and right edges of the word on the second line.
- N is the width of the first word on the third line.
- P is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- Q is the distance from the vertical center of the sign to the left edge of the second word on the third line.
- R is the corner radius.

### **R3-7aP**

- 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 space between the lines, and the distance 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 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.



### **R3-7bP**

- 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 space between the lines, and the distance 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 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.

## R3-8xa – Sheet 1

- 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 bottom of the words in the left and right sections to the bottom of the sign.
- F is the letter height and FHWA standard font for the words in the left and right sections.
- G is the distance from the left edge of the panel to the left arrowhead tip and from the right edge of the panel to the right arrowhead tip.
- H is the distance from the horizontal center of the sign to the right and left arrowhead tips.
- J is the radius of the curve in the left and right arrows.
- K is the distance from the horizontal center of the sign to the beginning of the curve in the left and right arrows.
- L is the distance from the horizontal center of the sign to the bottom of the left and right arrow symbols.
- M is the width of the left and right arrow shafts.
- N is the space between panel and the left and right arrow symbols.
- P is the width of the words in the left and right sections.
- Q is the space between the panel and the word in the left and right sections.
- R is the length of the arrow on the panel.
- S is the space between the arrow symbol and the bicycle symbol on the panel.
- T is the height of the bicycle symbol.
- U is the space between the bicycle symbol and the word on the panel.
- V is the letter height and FHWA standard font for the word on the panel.
- W is the distance from the bottom of the word on the panel to the bottom of the sign.
- X is the width of the arrow shaft on the panel.
- Y is the distance from the vertical center of the sign to the left edge of the word on the panel.
- Z is the distance from the vertical center of the sign to the right edge of the word on the panel.
- AA is the distance from the vertical center of the sign to the left and right edges of the panel
- BB is the width of the arrowheads on the left and right sections.
- CC is the width of the arrowhead on the panel.
- DD is the corner radius.

## R3-8xb – Sheet 2

- 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 bottom of the words in the left and right sections to the bottom of the sign.
- F is the letter height and FHWA standard font for the words in the left and right sections.
- G is the distance from the left edge of the panel to the left arrowhead tip and from the right edge of the panel to the right arrowhead tip.
- H is the distance from the horizontal center of the sign to the left and right arrowhead tips.
- J is the radius of the curve in the left and right arrows.
- K is the distance from the horizontal center of the sign to the beginning of the curve in the left and right arrows.
- L is the distance from the horizontal center of the sign to the bottom of the left and right arrow symbols.
- M is the width of the left and right arrow shafts.
- N is the space between panel and the left and right arrow symbols.
- P is the width of the words in the left and right sections.
- Q is the space between the panel and the word in the left and right sections.
- R is the distance from the vertical center of the sign to the tip of the curved arrow on the panel.
- S is the distance from the horizontal center of the sign to the tip of the curved arrow on the panel.
- T is radius of the curve in the left branch of the arrow on the panel.
- U is the distance from the horizontal center of the sign to the beginning of the curve in the left branch of the arrow on the panel.
- V is the distance from the vertical center of the sign to the centerline of the common arrow shaft on the panel.
- W is the distance from the horizontal center of the sign to the tip of the straight vertical arrow on the panel.
- X is the distance from the horizontal center of the sign to the base of the common arrow shaft on the panel.
- Y is the space between the arrow and the bicycle on the panel.
- Z is the width of the common arrow shaft on the panel.
- AA is the height of the bicycle symbol.
- BB is the distance from the vertical center of the sign to the left and right edges of the panel and the width of the arrowheads in the left and right sections.
- DD is the width of the arrowheads on the center panel.
- EE is the corner radius.

### R3-8xc – Sheet 3

- 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 bottom of the sign to the bottom of the words in the outer left and outer right sections.
- F is the letter height and FHWA standard font for the words in the outer left and outer right sections.
- G is the distance from the tip of the arrow in the outer left section to the tip of the curved arrow of the inner left section.
- H is the distance from the horizontal center of the sign to the outer left and outer right arrowhead tips.
- J is the radius of the outer left and outer right arrows.
- K is the distance from the horizontal center of the sign to the beginning of the curve in the outer left and outer right arrows.
- L is the distance from the horizontal center of the sign to the bottom of the arrow symbols in the outer left and outer right sections of the sign.
- M is the width of the outer left and outer right arrow shafts.
- N is the distance from the left edge of the dividing line to the right edge of the outer left arrow shaft.
- P is the width of the words in the outer left and outer right sections of the sign.
- Q is the space between the dividing line and word on the outer left section of the sign between the panel and the word on the outer right section of the sign.
- R is the distance from the horizontal center of the sign to the top of the dividing line.
- S is the distance from the horizontal center of the sign to the arrowhead tip of the curved branch of the inner left arrow.
- T is the distance between the arrowhead tips of the two branches of the inner left arrow.
- U is the distance from the vertical center of the sign to the arrowhead tip of the straight branch of the inner left arrow.
- V is the distance from the horizontal center of the sign to the top of the left inner arrow symbol.
- W is the radius of the curve in the branch of the left inner branched arrow.
- X is the distance from the horizontal center of the sign to the beginning of the curve in the curved branch of the inner left arrow.
- Y is the distance from the vertical center of the sign to the right edge of the partial dividing line.
- Z is the width of each arrowhead in the outer left, inner left, and outer right sections of the sign.
- AA is the distance from the horizontal center of the sign to the bottom of the left inner arrow symbol.
- BB is the distance from the vertical center of the sign to the tip of the upward pointing arrow on the panel.
- CC is the height of the arrow symbol on the panel.

- DD is the distance from the horizontal center of the sign to the bottom of the arrow symbol on the panel.
- EE is the width of the arrow shaft on the panel.
- FF is the space between the arrow and the bicycle symbol.
- GG is the height of the bicycle symbol.
- HH is the space between the bicycle symbol and the word.
- JJ is the letter height and FHWA standard font for the word on the panel.
- KK is the distance from the vertical center of the sign to the left edge of the panel.
- LL is the distance from the left edge of the panel to the left edge of the word on the panel.
- MM is the width of the word on the panel.
- NN is the distance from the right edge of the word on the panel to the right edge of the panel.
- PP is the width of the panel.
- QQ is the distance from the right edge of the panel to the tip of the outer right arrow.
- RR is the distance from the right edge of the panel to the left edge of the outer right arrow.
- SS is the width of the arrowhead on the panel.
- TT is the corner radius.

### R3-8zd

- 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 and the width of the partial dividing line.
- D is the distance from the bottom of the word in the left section to the bottom of the sign and the distance from the base of the right section arrow to the beginning of the first curve in the arrow.
- E is the distance from the bottom of the right section arrow symbol to the bottom of the sign.
- F is the distance from the beginning of the first curve in the right section arrow to the bottom of the sign.
- G is the letter height and FHWA standard font for the word in the left section.
- H is the distance from the base of the arrow shaft to the beginning of the first curve of the left section arrow.
- J is the width of the common shaft of the right section arrow.
- K is the height of the simple arrow symbol in the left section.
- L is the distance from the center of the circle in the left section to the bottom of the sign.
- M is the distance from the tip of the arrowhead of the first branch in the right section arrow symbol to the bottom of the sign.
- N is the distance from the horizontal center of the second curve in the left section arrow to the bottom of the sign.
- P is the height of the right section arrow symbol.
- Q is the distance from the horizontal center of the curve in the second branch of the right section arrow to the bottom of the sign.
- R is the distance from the horizontal center of the sign to the tip of the arrowhead in the left section arrow.
- S is the width of each arrowhead.
- T is the distance from the top of the sign to the tip of the arrowhead of the second branch of the right section arrow.
- U is the distance from the left edge of the sign to the arrowhead tip of the left section arrow, from the right edge of the sign to the arrowhead tip of the first branch of the right section arrow, and from the top of the sign to the arrowhead tip of the third branch of the right section arrow.
- V is the distance from the top of the sign to the center of the curve of the third branch of the right section arrow.
- W is the height of the straight section of the third branch of the right section arrow, from the end of the curve to the base of the arrowhead.
- X is the width of the right section arrow symbol.
- Y is the curve radius of the first and second branches of the right section arrow.
- Z is the distance from the right edge of the sign to the center of the curve in the third branch of the right section arrow.
- AA is the width of the left section arrow symbol.
- BB is the distance from the left edge of the sign to the center of the second curve in the left section arrow.

- CC is the radius of the second curve in the left section arrow.
- DD is the distance from the right edge of the sign to the center of the curve in the second branch of the right section curve.
- EE is the distance from the left edge of the sign to the left edge of the word.
- FF is the radius of the first curve in the left section arrow. The center of the curve aligns with the vertical center of the partial dividing line.
- GG is the distance from the left edge of the dividing line to the left edge of the sign.
- HH is the distance from the left edge of the sign to the center of the circle.
- JJ is the width of the word.
- KK is the distance from the right edge of the sign to the center of the first curve in the right section arrow.
- LL is the distance from the right edge of the sign to the right edge of the right section arrow shaft at its base.
- MM is the distance from the center of the dividing line to the left edge of the right section arrow shaft at its base.
- NN is the distance from the bottom of the sign to the center of the first curve of the left section arrow.
- PP is the distance from the bottom of the left section arrow to the top of the word.
- QQ is the radius of the circle.
- RR is the radius of the curve in the third branch of the right section arrow.
- SS is the corner radius.

### R3-8ze

- 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 and the width of the partial dividing line.
- D is the distance from the bottom of the left section arrow to the beginning of the first curve in the arrow and the distance from the bottom of the word to the bottom of the sign.
- E is the distance from the bottom of the left section arrow to the bottom of the sign.
- F is the distance from the beginning of the first curve of the left section arrow to the bottom of the sign.
- G is the letter height and FHWA standard font for the word.
- H is the distance from the bottom of the right section arrow to the top of the word.
- J is the distance from the bottom of the right section arrow to the beginning of the first curve in the right section arrow.
- K is the distance from the top of the dividing line to the bottom of the sign.
- L is the height of the right section arrow.
- M is the distance from the horizontal center of the circle to the top of the sign.
- N is the height of the left section arrow symbol.
- P is the distance from the end of the curve in the second branch of the left section arrow to the base of the arrowhead.
- Q is the distance from the top of the sign to the tip of the arrowhead of the first branch of the left section arrow.
- R is the distance from the end of the third curve in the right section arrow to the base of the right section arrowhead.
- S is the distance from the center of the curve in the second branch of the left section arrow to the top of the sign.
- T is the distance from the end of the third curve in the right section arrow to the top of the sign.
- U is the distance from the tip of the upward pointing arrowheads in both arrow symbols to the top of the sign.
- V is the distance from the top of the sign to the horizontal center of the second curve in the right section arrow.
- W is the width of the right section arrow symbol.
- X is the distance from the right edge of the sign to the tip of the right section arrowhead.
- Y is the distance from the left edge of the sign to the tip of the arrowhead of the second branch of the left section arrow.
- Z is the width of each arrowhead.
- AA is the distance from the left edge of the sign to the center of the third curve in the left section arrow.
- BB is the width of the left section arrow symbol.
- CC is the distance from the right edge of the sign to the center of the third curve in the right section arrow.
- DD is the radius of the third curve of each arrow on the sign.



- EE is the radius of the circle and the distance from the left edge of the sign to the tip of the left-pointing arrowhead of the left section arrow.
- FF is the radius of the first and second curves of each arrow on the sign.
- GG is the distance from the left edge of the sign to the horizontal center of the second curve of the right section arrow.
- HH is the distance from the left edge of the sign to the vertical center of the circle.
- JJ is the distance from the right edge of the sign to the vertical center of the first curve in the right section arrow.
- KK is the arrow shaft width for each arrow.
- LL is the distance from the left edge of the sign to the vertical center of the first curve of the left section arrow.
- MM is the distance from the vertical center of the sign to the left edge of the word.
- NN is the width of the word.
- PP is the distance from the center of first curve of the right section arrow to the bottom of the sign.
- QQ is the corner radius.

### R3-8zf

- 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 and the width of the partial dividing line.
- D is the distance from the bottom of each arrow symbol to the bottom of the sign.
- E is the distance from the horizontal center of the first curve of each arrow to the bottom of the sign.
- F is the distance from the base of each arrow shaft to the beginning of the first curve of each arrow symbol.
- G is the distance from the bottom of the sign to the arrowhead tip of the first branch of the right arrow symbol.
- H is the height of the right arrow symbol.
- J is the distance from the top of the dividing line to the bottom edge of the sign.
- K is the distance from the bottom of the sign to the horizontal center of the first curve in the second branch of the right arrow symbol.
- L is the distance from the top of the sign to the horizontal center of the circle of the left arrow symbol.
- M is the distance from the top of the sign to the tip of the left-pointing arrowhead in the left arrow symbol.
- N is the length of the vertical arrow shaft from the end of the curve to the base of the arrowhead in the second branch of the left and right arrow symbols.
- P is the distance from the top of the sign to the horizontal center of the third curve in the left and right arrow symbols.
- Q is the distance from the top of the sign to the tip of the upward pointing arrowheads of both arrow symbols.
- R is the distance from the left edge of the sign to the tip of the upward pointing arrowhead in the left arrow symbol.
- S is the distance from the right edge of the sign to the tip of the upward pointing arrowhead in the right arrow symbol.
- T is the width of each arrowhead.
- U is the distance from the left edge of the sign to the vertical center of the third curve in the left arrow symbol.
- V is the width of the left arrow symbol.
- W is the distance from the top of the sign to the tip of the left-pointing arrowhead in the left arrow symbol.
- X is the distance from the right edge of the sign to the center of the third curve of the right arrow symbol.
- Y is the radius of the third curve of the left and right arrow symbols.
- Z is the radius of the first and second curves of the left and right arrow symbols.
- AA is the width of the right arrow symbol.
- BB is the distance from the left edge of the sign to the center of the circle.
- CC is the distance from the right edge of the sign to the vertical center of the second curve of the right arrow symbol.

- DD is the distance from the right edge of the sign to the tip of the first arrowhead of the right arrow symbol.
- EE is the distance from the left edge of the sign to the vertical center of the first curve of the left arrow symbol.
- FF is the distance from the right edge of the sign to the vertical center of the first curve of the right arrow symbol.
- GG is the arrow shaft width.
- HH is the corner radius.

### R3-8zg

- A is the length of each side of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width and the width of the partial dividing line.
- D is the distance from the base of the arrow shaft to the beginning of the first curve in the left arrow and the distance from the bottom of the word to the bottom of the sign.
- E is the distance from the bottom of the left arrow symbol to the bottom of the sign.
- F is the distance from the horizontal center of the first curve in the left arrow to the bottom of the sign.
- G is the letter height and FHWA standard font for the word.
- H is the space between the right arrow symbol and the word.
- J is the distance from the horizontal center of the curve in the right arrow to the bottom of the sign.
- K is the distance from the bottom of the arrow shaft to the beginning of the curve in the right arrow.
- L is the distance from the top of the dividing line to the bottom of the sign.
- M is the distance from the tip of the arrow in the right section to the bottom of the sign.
- N is the height of the left arrow symbol.
- P is the height of the right arrow symbol.
- Q is the distance from the horizontal center of the circle to the top of the sign.
- R is the distance from the top of the sign to the tip of the left-pointing arrowhead of the left arrow.
- S is the distance from the top of the sign to the horizontal center of the third curve in the left arrow.
- T is the length of the vertical arrow shaft from the end of the third curve to the base of the arrowhead of the second branch of the left arrow.
- U is the distance from the tip of the upward pointing arrowhead of the left arrow to the top of the sign and from the arrowhead tip of the right arrow to the right edge of the sign.
- V is the distance from the left edge of the sign to the tip of the upward pointing arrowhead of the left arrow.
- W is the width of each arrowhead.
- X is the distance from the left edge of the sign to the vertical center of the third curve of the left arrow.
- Y is the width of the left arrow symbol.
- Z is the radius of the circle in the left section and the distance from the left edge of the sign to the tip of the left-pointing arrow of the left arrow symbol.
- AA is the radius of the third curve of the left arrow.
- BB is the width of the right arrow symbol.
- CC is the radius of the first and second curves in the left arrow.
- DD is the distance from the left edge of the sign to the vertical center of the circle.
- EE is the radius of the curve of the right arrow symbol.
- FF is the distance from the right edge of the sign to the vertical center of the curve in the right arrow.
- GG is the width of the arrow shafts.

- HH is the distance from the left edge of the sign to the vertical center of the first curve in the left arrow.
- JJ is the distance from the vertical center of the sign to the left edge of the word.
- KK is the width of the word.
- LL is the distance from the vertical center of the sign to the left edge of the dividing line.
- MM is the corner radius.

### **R3-9cP**

- 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 distance from the vertical center of the plaque to the left edge of the word.
- H is the distance from the vertical center of the plaque to the right edge of the word.
- J is the corner radius.

### **R3-9dP**

- 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 distance from the vertical center of the plaque to the left edge of the word.
- H is the distance from the vertical center of the plaque to the right edge of the word.
- J is the corner radius.

### R3-11c

- 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 and second lines.
- H is the distance from the bottom of the second line to the bottom of the black panel.
- J is the distance from the bottom of the black panel to the top of the third line.
- K is the letter height and FHWA standard font for the third and fourth lines.
- L is the space between the third and fourth 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 first word on the third line.
- P is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- Q is the space between the words on the third line.
- R is the width of the second word on the third line.
- S is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- T is the distance from the horizontal center of the symbol to the bottom edge of the black panel.
- U is the distance from the horizontal center of the symbol to the top of the sign.
- V is the width of the number on the first line.
- W is the space between the number and the word on the first line.
- X is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- Y is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- Z is the distance from the vertical center of the sign to the left edge of the word on the second line.
- AA is the distance from the vertical center of the sign to the right edge of the word on the second line.
- BB is the distance from the vertical center of the sign to the vertical center of the symbol.
- CC is the distance from the vertical center of the symbol to the left and right edges of the symbol.
- DD is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- EE is the symbol's border width.
- FF is the corner radius.



### **R3-11e**

- 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 and second lines.
- H is the distance from the bottom of the second line to the bottom of the black panel.
- J is the distance from the bottom of the black panel to the top of the third line.
- K is the letter height and FHWA standard font for the third and fourth lines.
- L is the space between the third and fourth lines.
- M is the distance from the bottom of the fourth line to the bottom of the sign.
- N is the distance from the vertical center of the sign to the left and right edges 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 word on the third line.
- S is the distance from the vertical center of the sign to the left and right edges of word on the fourth line.
- T is the corner radius.

### **R3-11f**

- 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 distance from the bottom of the first line to the bottom of the panel.
- H is the distance from the bottom of the panel to the top of the second line.
- J is the letter height and FHWA standard font for the second and third lines.
- K is the space between the second and third lines.
- L is the space between the third and fourth lines.
- M is the letter height and FHWA standard font for the fourth and fifth lines.
- N is the space between the fourth and fifth lines.
- P is the distance from the bottom of the last line to the bottom of the sign.
- Q is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- R is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- S is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- T is the distance from the vertical center of the sign to the left and right edges of the fourth and fifth lines.
- U is the corner radius.

### R3-11g

- 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 distance from the bottom of the first line to the bottom of the panel.
- H is the distance from the bottom of the panel to the top of the second line.
- J is the letter height and FHWA standard font for the second and fourth lines.
- K is the space between the second, third, and fourth lines.
- L is the letter height and FHWA standard font for the third line.
- M is the space between the fourth and fifth lines.
- N is the letter height and FHWA standard font for the fifth and sixth lines.
- P is the space between the fifth and sixth lines.
- 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 first line.
- S is the distance from the vertical center of the sign to the right edge of the first line.
- T is the distance from the vertical center of the sign to the left edge of the first word on the second line.
- U is the distance from the vertical center of the sign to the right edge of the first word on the second line.
- V is the space between the words on the second line.
- W is the width of the second word on the second line.
- X is the width of the first word on the third line.
- Y is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- Z is the distance from the vertical center of the sign to the left edge of the second word on the third line.
- AA is the width of the second word on the third line.
- BB is the distance from the vertical center of the sign to the left edge of the fourth line.
- CC is the distance from the vertical center of the sign to the right edge of the fourth line.
- DD is the distance from the vertical center of the sign to the left and right edges of the fifth and sixth lines.
- EE is the corner radius.

### **R3-11hP**

- 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.

## R3-19

- 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, the distance from bottom of the last line to the bottom of the sign, and the space between the words on the first line.
- F is letter height and FHWA standard font for the first and third lines.
- G is the space between the lines.
- H is letter height and FHWA standard font for the second line.
- J is the distance from the bottom of the second line to top of the arrow symbol.
- K is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- M is the width of the second word on the first line.
- N is the width of the first word on the second line.
- P is the distance from the vertical center of the sign to the right edge of the first word on the second line.
- Q is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- R is the width of the second word on the second line.
- S is the space between the arrow symbol and the word on the third line.
- T is the distance from the vertical center of the sign to the left edge of the word on the third line.
- U is the distance from the vertical center of the sign to the right edge of the word on the third line.
- V is the length of the arrow.
- W is the arrowhead width.
- X is the corner radius.

### **R3-19a**

- 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, the distance from the bottom of the last line to the bottom of the sign, and the space between the words on the first line.
- F is the letter height and FHWA standard font for the first and third lines.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second word on the second line.
- J is the space between the first word on the second line and the symbol.
- K is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- M is the width of the second word on the first line.
- N is the width of the first word on the second line.
- P is the space between the words on the second line.
- Q is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- R is the distance from the vertical center of the sign to the right edge of the second word on the second line.
- S is the space between the symbol and the word on the third line.
- T is the distance from the vertical center of the sign to the left edge of the word on the third line.
- U is the distance from the vertical center of the sign to the right edge of the word on the third line.
- V is the length of the arrow.
- W is the width of the arrowhead.
- X is the height of the first word on the second line.
- Y is the corner radius.

### **R3-19b**

- A is the length of each side 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 top of the first line to the top of the sign and from the bottom of the last word to the bottom of the sign.
- E is the letter height and FHWA standard font for the first and fourth lines.
- F is the space between the first, second, and third lines.
- G is the letter height and FHWA standard font for the second word on the second line.
- H is the letter height and FHWA standard font for the third line.
- J is the space between the third line and the word on the fourth line.
- K is the space between the third line and the tip of the arrowhead.
- L is the letter height and FHWA standard font for the first word on the second line.
- M is the width of the first word. The right edge of the word is aligned with the vertical center of the sign.
- N is the space between the words on the first line and the space between the arrow symbol and the word on the fourth line.
- 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 sign to the left edge of the second word on the second line.
- T is the distance from the vertical center of the sign to the right edge of the second word on the second line.
- U is the width of the first word on the third line.
- V is the space between the words on the third line.
- W is the distance from the vertical center of the sign to the left edge of the second word on the third line.
- X is the distance from the vertical center of the sign to the right edge of the second word on the third line.
- Y is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- Z is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- AA is the length of the arrow.
- BB is the width of the arrowhead.
- CC is the corner radius.

## R3-33a – Sheet 1

- 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 the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the letter height and FHWA standard font for the fourth line.
- K is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- L is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- M is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- N is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- P is the corner radius.



## R3-33a – Sheet 2

- 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 the first, second, and third lines.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the fourth 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 and right edges of the word on the second line.
- L is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- M is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- N is the corner radius.

### **R3-44b**

- 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 second line to the base of the arrow shaft.
- 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 arrow tip to the bottom of the sign.
- 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 and right edges of the word on the second line.
- M is the distance from the vertical center of the sign to the left and right arrowhead barbs.
- N is the height of the arrow symbol.
- P is the corner radius.

## R3-51

- 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, second, third, and fourth lines.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the letter height and FHWA standard font for the fourth and fifth lines.
- K is the space between the fourth and fifth lines.
- L is the distance from the bottom of the last line to the bottom of the sign.
- M is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- N is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- P is the space between the words on the first line.
- Q is the width of the second word on the first line.
- R is the distance from the vertical center of the sign to the left and right edges of the second line.
- S is the distance from the vertical center of the sign to the left and right edges of the third line.
- T is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- U is the width of the first word on the fourth line.
- V is the space between the words and the hyphens on the fourth and fifth lines.
- W is the width of the hyphens on the fourth and fifth lines.
- X is the width of the second word on the fourth line.
- Y is the distance from the vertical center of the sign to the left and right edges of the sixth line.
- Z is the width of the first word on the fifth line.
- AA is the width of the second word on the fifth line.
- BB is the corner radius.

### **R3-51aP**

- 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 the space between the words.
- J is the distance from the vertical center of the plaque to the left edge of the second word.
- K is the distance from the vertical center of the plaque to the right edge of the second word.
- L is the corner radius.

### **R3-51bP**

- 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 standard FHWA 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 space between the words 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 distance from the vertical center of the plaque to the right edge of the second word on the second line.
- R is the corner radius.

### **R3-51cP**

- 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 space between the lines.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the letter height and FHWA standard font for the fourth line.
- K is the distance from the bottom of the last line to the bottom of the plaque.
- L is the distance from the vertical center of the plaque to the left edge of the word on the first line.
- M is the distance from the vertical center of the plaque to the right edge of the word on the first line.
- N is the distance from the vertical center of the plaque to the left edge of the word on the second line.
- P is the distance from the vertical center of the plaque to the right edge of the word on the second line.
- Q is the distance from the vertical center of the plaque to the right and left edges of the word on the third line.
- R is the width of the first word on the fourth line.
- S is the distance from the vertical center of the plaque to the right edge of the first word on the fourth line.
- T is the distance between the vertical center of the plaque and the left edge of the second word on the fourth line.
- U is the width of the second word on the fourth line.
- V is the corner radius.

### **R3-51d**

- 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 the first line.
- G is the space between the lines and the space between the words on the first line.
- H is the letter height and FHWA standard font for the second, third, fourth, and fifth lines.
- J is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- K is the distance from the vertical center of the sign 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 sign to the left and right edges 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 word on the fourth 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 distance from the vertical center of the sign to the left and right edges of the word on the fifth line.
- S is the corner radius.

### R3-51e

- 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 the first line.
- G is the space between the lines and the space between the words on the first line.
- H is the letter height and FHWA standard font for the second, third, fourth, and fifth lines.
- J is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- K is the distance from the vertical center of the sign 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 sign to the left and right edges of the word on the second line.
- N is the width of the first word on the third line.
- P is the space between the words on the third line.
- Q is the distance from the vertical center of the sign to the left edge of the second word on the third line.
- R is the distance from the vertical center of the sign to the right edge of the second word on the third line.
- 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.
- U is the distance from the vertical center of the sign to the left and right edges of the word on the fifth line.
- V is the corner radius.



### R3-52

- 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 the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second, third, and fourth lines.
- 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 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 distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- Q is the corner radius.

### **R3-52a**

- 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 lines.
- H is the letter height and FHWA standard font for the words and numbers on the second, third, and fourth lines.
- J is the distance from the bottom of the last line to the bottom of the sign.
- K is the distance from the bottom of the fraction on the last line to the bottom of the sign.
- L is the height of the fraction.
- M is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- N is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- P is the space between the words on the first line.
- Q is the width of the second word on the first line.
- R is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- S is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- T is the width of the fraction on the fourth line.
- U is the space between the fraction and the word on the fourth line.
- V is the width of the word on the fourth line. The left edge of the word is aligned with the vertical center of the sign.
- W is the corner radius.

### **R3-52b**

- 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 and the word on the fourth line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the distance from the bottom of the last line to the bottom of the sign.
- K is the distance from the bottom of the fraction on the last line to the bottom of the sign.
- L is the height of the fraction.
- M is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- N is the distance from the vertical center of the sign to the left edge of the word on the second line.
- P is the distance from the vertical center of the sign to the right edge of the word on the second line.
- Q is the distance from the vertical center of the sign to the left edge of the word on the third line.
- R is the distance from the vertical center of the sign to the right edge of the word on the third line.
- S is the width of the fraction on the fourth line.
- T is the space between the fraction and the word on the fourth line.
- U is the width of the word on the fourth line. The left edge of the word is aligned with the vertical center of the sign.
- V is the corner radius.

### R3-52c

- 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 on the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the words and numbers on the second, third, and fourth lines.
- J is the distance from the bottom of the last line to the bottom of the sign.
- K is the distance from the bottom of the fraction on the last line to the bottom of the sign.
- L is the height of the fraction.
- M is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- N is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- P is the space between the words on the first line.
- Q is the width of the second word on the first line.
- R is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- S is the distance from the vertical center of the sign to the left edge of the word on the third line.
- T is the distance from the vertical center of the sign to the right edge of the word on the third line
- U is the width of the fraction on the fourth line.
- V is the space between the fraction and the word on the fourth line.
- W is the width of the word on the fourth line. The left edge of the word is aligned with the vertical center of the sign.
- X is the corner radius.

## **R3-56**

### ***R3-56R and R3-56L***

- 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 third line.
- G is the space between the first, second, and third lines.
- H is the letter height and FHWA standard font for the word on the second line.
- J is the distance from the bottom of the arrow symbol to the bottom of the sign.
- K is the distance from the vertical center of the sign to the left edge of the first line.
- L is the distance from the vertical center of the sign to the right edge of the first line.
- M is the distance from the vertical center of the sign to the left edge of the second line.
- N is the distance from the vertical center of the sign to the right edge of the second line.
- P is the distance from the vertical center of the sign to the left and right edges of the third line.
- Q is the distance from the vertical center of the sign to the tip of the arrowhead.
- R is the width of the arrowhead.
- S is the length of the arrow.
- T is the corner radius.

### **R3-57P**

- 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 each 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 left edge of the second word on the second line.
- P is the distance from the vertical center of the plaque to the right edge of the second word on the second line.
- Q is the corner radius.

## R4-18

- 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 the first and second lines.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the third line.
- J is the letter height and FHWA standard font for the fourth line.
- K is the width of the first word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the first word 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 width of the second 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 edge of the word on the third line.
- S is the distance from the vertical center of the sign to the right edge of the word on the third line.
- T is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- U is the corner radius.

## R4-19

- 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 top of the first line to the top of the sign.
- E is the letter height and FHWA standard font for the first line.
- F is the space between the lines.
- G is the letter height and FHWA standard font for the second and third lines.
- H is the height of the symbol.
- J is the distance from the bottom of the symbol to the bottom of the sign.
- K is the distance from the vertical center of the sign to the left and right edges of the first line.
- L is the width of the number on the first line.
- M is the space between the number and the first word on the first line and between the words on the third line.
- N is the width of the first word on the first line.
- P is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- Q is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- R is the width of the second word on the first line.
- S is the distance from the vertical center of the sign to the left edge of the second line.
- T is the distance from the vertical center of the sign to the right edge of the second line.
- U is the width of the first word on the third line.
- V is the distance from the vertical center of the sign to the left edge of the second word on the third line.
- W is the distance from the vertical center of the sign to the right edge of the second word on the third line.
- X is the distance from the vertical center of the sign to the left edge of the symbol on the fourth line.
- Y is the distance from the vertical center of the sign to the right edge of the symbol on the fourth line.
- Z is the corner radius.



## **R4-20**

### ***R4-20R and R20L***

- 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 line and the arrow symbol.
- K is the width of the arrowhead.
- L is the distance from the bottom of the arrowhead to the bottom of the sign.
- M is the distance from the vertical center of the sign to the left and right edges of the first line.
- N is the distance from the vertical center of the sign to the left edge of the second line.
- P is the distance from the vertical center of the sign to the right edge of the second line.
- Q is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- R is the corner radius.

## R4-21 – Sheet 1

- 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 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 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.

## R4-21 – Sheet 2

- 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 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 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.

## **R5-2aP**

- 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 width of the first word on the first line. The right edge of the first word is aligned with the vertical center of the plaque.
- K is the space between the words 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.

## R5-2b

- 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 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 letter height and FHWA standard font for the third line.
- K is the distance from the vertical center of the sign to the left and right edges 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 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.

## R5-10a

- 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, second, third, fourth, and fifth lines.
- H is the letter height and FHWA standard font for the second, third, and fifth line.
- J is the letter height and FHWA standard font for the fourth line.
- K is the space between the fifth and sixth lines.
- L is the letter height and FHWA standard font for the sixth line.
- 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 and right edges of the word on the first line.
- P is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- Q is the distance from the vertical center of the sign to the left edge of the word on the third line.
- R is the distance from the vertical center of the sign to the right edge of the word on the third line.
- S is the width of the first word on the fourth line.
- T is the space between the first word and the hyphen on the fourth line.
- U is the distance from the vertical center of the sign to the left edge of the hyphen on the fourth line.
- V is the distance from the vertical center of the sign to the right edge of the hyphen on the fourth line.
- W is the space between the hyphen and the second word on the fourth line.
- X is the width of the second word on the fourth line.
- Y is the distance from the vertical center of the sign to the left edge of the word on the fifth line.
- Z is the distance from the vertical center of the sign to the right edge of the word on the fifth line.
- AA is the width of the first word on the sixth line.
- BB is the space between the words on the sixth line.
- CC is the distance from the vertical center of the sign to the left edge of the second word on the sixth line.
- DD is the distance from the vertical center of the sign to the right edge of the second word on the sixth line.
- EE is the corner radius.

## **R5-10dP**

- 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 words.
- J is the distance from the vertical center of the plaque to the left edge of the second word.
- K is the distance from the vertical center of the plaque to the right edge of the second word.
- L is the corner radius.

## R5-12

- 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, the space between the lines, and the distance from the bottom of the last line to the bottom of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the letter height and FHWA standard font for the second line.
- H is the letter height and FHWA standard font for the third 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 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.



## **R7-4a**

- 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 the height of the arrow symbol on the fifth line.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the first, second, third, and fourth lines.
- H is the letter height and FHWA standard font for the second line.
- J is the letter height and FHWA standard font for the third and fourth lines.
- K is the space between the fourth and fifth lines.
- L is the distance from the bottom of the arrow symbol to the bottom of the sign.
- M is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- N is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- P is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- Q is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- R is the distance from the vertical center of the sign to the left and right edges of the arrow on the fifth line.
- S is the corner radius.

## R7-10

- 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 and the distance from the center of the arrow to the top and bottom of the arrow shaft.
- 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 each line of words.
- G is the space between the lines of words and the distance from the bottom of the arrowhead to the bottom of the sign.
- H is the space between the third line and the arrowhead and the width of the arrowhead.
- J is the arrow shaft width.
- K is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- M is the space between the first word and the hyphen on the first line.
- N is the width of the hyphen on the first line.
- P is the space between the hyphen and the second word on the first line.
- Q is the width of the second word on the first line.
- R is the distance from the vertical center of the sign to the left edge of the second line.
- S is the distance from the vertical center of the sign to the right edge of the second line.
- T is the distance from the vertical center of the sign to the left and right edges of the third line.
- U is the distance from the vertical center of the sign to the left and right edges of the symbol.
- V is the corner radius.

## R7-21aP

- 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 and second lines and the distance from the bottom of the third line to the top of the panel.
- H is the letter height and the FHWA standard font for the second line.
- J is the space between the second and third lines.
- K is the letter height and the FHWA standard font for the numbers on the third line.
- L is the distance from the top of the panel to the top of the numbers on the fourth line.
- M is the letter height and FHWA standard font for the numbers on the fourth line.
- N is the distance from the bottom of the numbers on the fourth line to the bottom of the plaque.
- P is the distance from the bottom of the word on the fourth line to the bottom of the plaque.
- Q is the letter height and the FHWA standard font for the word on the fourth line.
- R is the vertical space between the words on the third and fourth lines.
- S is the letter height and FHWA standard font for the word on the third line.
- T is the width of the first word on the first line.
- U is the space between the words on the first and third lines.
- V is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- W is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- X is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- Y is the distance from the vertical center of the sign to the left and right edges of the third line.
- Z is the width of the word on the third line.
- AA is the distance from the vertical center of the sign to the left and right edges of the phone number on the third line.
- BB is the distance from the vertical center of the sign to the left and right edges of the width of the fourth line.
- CC is the width of the first word on the fourth line.
- DD is the space between the word and the number on the fourth line.
- EE is the width of the number on the fourth line.
- FF is the corner radius.

## R7-107b

- 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 height of the pictograph area on the first line.
- G is the space between the pictograph area and the bus symbol and the width of the diagonal line of the no parking symbol.
- H is the height of the bus symbol.
- J is the distance from the bottom of the bus symbol to the top of the letter “P” on the third line.
- K is the letter height and FHWA standard font for the letter “P” on the third line.
- L is the distance from the bottom of the letter “P” on the third line to the top of the arrow symbol.
- E is the width of the arrowhead.
- M is the distance from the bottom of the arrow symbol to the bottom of the sign.
- N is the distance from the vertical center of the sign to the left and right edges of the rectangular pictograph area.
- P is the distance from the vertical center of the sign to the left edge of the letter “P” on the third line.
- Q is the distance from the vertical center of the sign to the right edge of the letter “P” on the third line.
- R is the radius of the outer edge of the circle on the third line.
- S is the radius of the inner edge of the circle on the third line.
- T is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- U is the corner radius.

## R7-111

- 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 second line.
- J is the letter height and FHWA standard font for the second, third, and fourth lines.
- K is the space between the second, third, and fourth lines.
- L is the space between the fourth and fifth lines.
- M is the arrowhead width.
- N is the distance from the bottom of the arrow symbol to the bottom of the sign.
- P is the letter height and FHWA standard font for the word on the red panel.
- Q is the distance from the top of the word on the red panel to the top of the sign.
- R is the width of the word on the red panel.
- S is the space between the words on the first line.
- T is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- U is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- V is the distance from the right edge of the red panel to the left edge of the sign.
- W is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- X is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- Y is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- Z is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- AA is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- BB is the corner radius.

## R7-111a

- 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 second line and the space between the second, third, fourth, and fifth lines.
- J is the letter height and FHWA standard font for the second, third, fourth, and fifth lines.
- K is the space between the fifth and sixth lines.
- L is the width of each arrowhead.
- M is the distance from the bottom of the double arrow symbol to the bottom of the sign.
- N is the letter height and FHWA standard font for the word on the red panel.
- P is the distance from the top of the word on the red panel to the top of the sign.
- Q is the width of the word on the red panel.
- R is the space between the words on the first line.
- S is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- T is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- U is the distance from the right edge of the red panel to the left edge of the sign.
- V is the distance from the vertical center of the sign to the left and right edges of the second line.
- W is the width of the first word on the second line.
- X is the space between the hyphen and the words on the second line.
- Y is the width of the hyphen on the second line.
- Z is the width of the second word on the second line.
- AA is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- BB is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- CC is the distance from the vertical center of the sign to the left edge of the word on the fifth line.
- DD is the distance from the vertical center of the sign to the right edge of the word on the fifth line.
- EE is the distance from the vertical center of the sign to the tip of each arrowhead.
- FF is the corner radius.

## R7-112

- 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 distance from the bottom of the second line to the top edge of the dividing line and the space between the third, fourth, fifth, and sixth lines.
- K is the width of the dividing line.
- L is the distance from the bottom edge of the dividing line to the top of the third lineM is the arrowhead width.
- M is the letter height and FHWA standard font for the third, fourth, and fifth lines.
- N is the space between the third, fourth, and fifth lines.
- P is the space between the fifth and sixth lines.
- Q is the width of the arrowhead.
- R is the distance from the bottom of the arrow symbol to the bottom of the sign.
- S is the letter height and FHWA standard font for the number on the green panel.
- U is the width of the number on the green panel.
- V is the distance from the right edge of the number on the green panel to the right edge of the green panel.
- W is the distance from the vertical center of the sign to the left edge of the word on the first line.
- X is the width of the word on the first line.
- Y is the distance from the vertical center of the sign to the left edge of the word on the second line.
- Z is the distance from the vertical center of the sign to the right edge of the word on the second line.
- AA is the distance from the right edge of the green panel to the left edge of the sign.
- BB is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- CC is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- DD is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- EE is the distance from the vertical center of the sign to the left and right edges of the word on the fifth line.
- FF is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- GG is the corner radius.

## R7-112a

- 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 distance from the bottom of the second line to the top edge of the dividing line and the space between the third, fourth, fifth, and sixth lines.
- K is the width of the dividing line.
- L is the distance from the bottom edge of the dividing line to the top of the third line and the space between the sixth and seventh lines.
- M is the letter height and FHWA standard font for the third, fourth, and fifth lines.
- N is the letter height and FHWA standard font for the sixth line.
- P is the width of each arrowhead.
- Q is the distance from the bottom of the double arrow symbol to the bottom of the sign.
- R is the letter height and FHWA standard font for the number on the green panel.
- S is the distance from the top of the number on the green panel to the top of the sign.
- T is the width of the number on the green panel.
- U is the distance from the right edge of the number on the green panel to the right edge of the green panel.
- 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 width of the word on the first line.
- X is the distance from the vertical center of the sign to the left edge of the word on the second line.
- Y is the distance from the vertical center of the sign to the right edge of the word on the second line.
- Z is the distance from the right edge of the green panel to the left edge of the sign.
- AA is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- BB is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- CC is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- DD is the distance from the vertical center of the sign to the left and right edges of the word on the fifth line.
- EE is the distance from the vertical center of the sign to the left and right edges of the sixth line.
- FF is the width of the first and second words on the sixth line.
- GG is the space between the hyphen and the words on the sixth line.



- HH is the width of the hyphen on the sixth line.
- JJ is the distance from the vertical center of the sign to the left and right edges of the double arrow symbol.
- KK is the corner radius.

## R7-112b

- 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 distance from the bottom of the second line to the top edge of the dividing line and the space between each line below the dividing line.
- K is the width of the dividing line.
- L is the distance from the bottom edge of the dividing line to the top of the third line.
- M is the letter height and FHWA standard font for the third, fourth, fifth, and seventh lines.
- N is the letter height and FHWA standard font for the sixth line.
- P is the width of the arrowhead.
- Q is the distance from the bottom of the arrow symbol to the bottom of the sign.
- R is the letter height and FHWA standard font for the number on the green panel.
- S is the distance from the top of the number on the green panel to the top of the sign.
- T is the width of the number on the green panel.
- U is the distance from the right edge of the number on the green panel to the right edge of the green panel.
- V is the distance from the vertical center of the sign to the left edge of the first line.
- W is the width of the word on the first line.
- X is the distance from the vertical center of the sign to the left edge of the second line.
- Y is the distance from the vertical center of the sign to the right edge of the second line.
- Z is the distance from the right edge of the green panel to the left edge of the sign.
- AA is the distance from the vertical center of the sign to the left and right edges of the third line.
- BB is the distance from the vertical center of the sign to the left edge of the fourth line.
- CC is the distance from the vertical center of the sign to the right edge of the fourth line.
- DD is the distance from the vertical center of the sign to the left and right edges of the fifth line.
- EE is the distance from the vertical center of the sign to the left and right edges of the sixth line.
- FF is the width of each word on the sixth and seventh lines.
- GG is the space between the words and the hyphens on the sixth and seventh lines.
- HH is the width of the hyphens on the sixth and seventh lines.
- JJ is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- KK is the corner radius.

## R7-113

- 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 word on 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 second line.
- J is the letter height and FHWA standard font for the second, third, and fourth lines.
- K is the space between the second, third, and fourth lines.
- L is the distance from the bottom of the fourth line to the top of the double arrow symbol.
- M is the width of the arrowhead.
- N is the distance from the bottom of the arrow symbol to the bottom of the sign.
- P is the letter height and FHWA standard font for the word on the red panel.
- Q is the distance from the top of the word on the red panel to the top of the sign.
- R is the width of the word on the red panel.
- S is the distance from the right edge of the red panel to the right edge of the word on the red panel and the left 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 word on the first line.
- U is the distance from the vertical center of the sign to the right edge of the word on the first line.
- V is the distance from the right edge of the red panel to the left edge of the sign.
- W is the distance from the vertical center of the sign to the left and right edges of the second line.
- X is the distance from the vertical center of the sign to the left and right edges of the third line.
- Y is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- Z is the distance from the vertical center of the sign to the left and right edges of the double arrow symbol.
- AA is the corner radius.

## **R7-113aP**

- 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 word on the first line.
- J is the distance from the vertical center of the plaque to the right edge of the word on the first line.
- K is the distance from the vertical center of the plaque to the left edge of the first word on the second line.
- L is the distance from the vertical center of the plaque to the right edge of the first word on the second line.
- M is the space between the words on the second and third lines.
- N is the width of the second word on the second line.
- P is the distance from the vertical center of the plaque to the left edge of the first word on the third line.
- Q is the distance from the vertical center of the plaque to the right edge of the first word on the third line.
- R is the width of the second word on the third line.
- S is the corner radius

## **R7-113bP**

- 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 word on the second line.
- L is the width of the second word on the first line.
- M is the width of the first word on the second line.
- N is the space between the words 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 distance from the vertical center of the plaque to the right edge of the second word on the second line.
- R is the distance from the vertical center of the plaque to the left edge of the word on the third line.
- S is the distance from the vertical center of the plaque to the right edge of the word on the third line.
- T is the corner radius.

## R7-114

- 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 word on the first line.
- G is the distance from the bottom of the word on 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 second line.
- J is the letter height and FHWA standard font for the second, third, and fourth lines.
- K is the space between the second, third, and fourth lines.
- L is the distance from the bottom of the arrow symbol to the bottom of the sign.
- M is the width of the arrowhead.
- N is the distance from the bottom of the fourth line to the top of the arrow symbol.
- P is the height of the number on the green panel.
- Q is the distance from the top of the number to the top of the sign.
- R is the width of the number on the green panel.
- S is the distance from the right edge of the number on the green panel to the right edge of the green panel.
- T is the distance from the vertical center of the sign to the left edge of the word on the first line.
- U is the width of the word on the first line.
- V is the distance from the right edge of the green panel to the left edge of the sign.
- W is the distance from the vertical center of the sign to the left and right edges of the second line.
- X is the distance from the vertical center of the sign to the left and right edges of the third line.
- Y is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- Z is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- AA is the corner radius.

## R7-114a

- 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 word on 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 second line and the space between the lines.
- J is the letter height and FHWA standard font for the second, third, fourth, and fifth lines.
- K is the distance from the bottom of the fifth line to the top edge of the arrow symbol.
- L is the width of the arrowheads.
- M is the distance from the bottom edge of the arrowhead to the bottom of the sign.
- N is the letter height and FHWA standard font for the number on the green panel.
- P is the distance from the top of the number on the green panel to the top of the sign.
- Q is the width of the number on the green panel.
- R is the distance from the right edge of the number on the green panel to the right edge of the green panel.
- S is the distance from the vertical center of the sign to the left edge of the word on the first line.
- T is the width of the word on the first line.
- U is the distance from the right edge of the green panel to the left edge of the sign.
- V is the distance from the vertical center of the sign to the left and right edges of the second line.
- W is the distance from the vertical center of the sign to the left and right edges of the third line.
- X is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- Y is the distance from the vertical center of the sign to the left and right edges of the fifth line.
- Z is the width of each word on the fifth line.
- AA is the space between the words and the hyphen on the fifth line.
- BB is the width of the hyphen on the fifth line.
- CC is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- DD is the corner radius.

## R7-114b

- 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 second word on 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 second line.
- J is the letter height and FHWA standard font for the second, third, fourth, fifth, and sixth lines.
- K is the space between the second, third, fourth, fifth, and sixth lines.
- L is the space between the sixth line and the arrow symbol.
- M is the width of the arrowhead.
- N is the distance from the bottom edge of the arrow symbol to the bottom of the sign.
- P is the letter height and FHWA standard font for the number on the green panel.
- Q is the distance from the top of the number on the green panel to the top of the sign.
- R is the width of the number on the green panel.
- S is the distance from the right edge of the number to the right edge of the green panel.
- T is the distance from the vertical center of the sign to the left edge of the word on the first line.
- U is the width of the word on the first line.
- V is the distance from the right edge of the green panel to the left edge of the sign.
- W is the distance from the vertical center of the sign to the left and right edges of the second line.
- X is the distance from the vertical center of the sign to the left and right edges of the third line.
- Y is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- Z is the distance from the vertical center of the sign to the left and right edges of the fifth and sixth lines.
- AA is the width of each word on the fifth and sixth lines.
- BB is the space between the words and the hyphens on the fifth and sixth lines.
- CC is the width of the hyphens on the fifth and sixth lines.
- DD is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- EE is the corner radius.



## R9-15

- 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 top of the symbol to the top of the sign.
- E is the distance from the horizontal center of the sign to the top of the symbol.
- F is the distance from the horizontal center of the sign to the bottom of the symbol.
- G is the distance from the bottom of the symbol to the bottom of the sign.
- H is the distance from the vertical center of the sign to the left edge of the symbol.
- J is the distance from the vertical center of the sign to the right edge of the symbol.
- K is the radius of the inner edge of the circle.
- L is the radius of the outer edge of the circle.
- M is the width of the red diagonal line.
- N is the corner radius.

## R9-16

- 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 top of the symbol to the top of the sign.
- E is the distance from the horizontal center of the sign to the top of the symbol.
- F is the distance from the horizontal center of the sign to the bottom of the symbol.
- G is the distance from the bottom of the symbol to the bottom of the sign.
- H is the inner radius of the circle.
- J is the outer radius of the circle.
- K is the width of the red diagonal line.
- L is the corner radius.

## R9-19P

- 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 lines.
- 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 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 space between the words 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 right and left edges of the word on the second line.
- N is the corner radius.

## R9-21

- 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 height of the symbol on the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second and fourth lines.
- J is the letter height and FHWA standard font for the third line.
- K is the distance from the bottom of the last line to the bottom of the sign.
- L is the distance from the vertical center of the sign to the left edge of the symbol on the first line.
- M is the distance from the vertical center of the sign to the right edge of the symbol on the first line.
- N is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- P is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- Q is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- R is the corner radius.

## R9-22

- 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 lines of words and the distance from the bottom of the third line to the tip of the arrowhead on the fourth 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 first word.
- K is the distance from the vertical center of the sign to the right edge of the first word.
- L is the distance from the vertical center of the sign to the left edge of the second word.
- M is the distance from the vertical center of the sign to the right edge of the second word.
- N is the distance from the vertical center of the sign to the left edge of the third word.
- P is the distance from the vertical center of the sign to the right edge of the third word.
- Q is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- R is the width of the arrowhead.
- S is the length of the arrow.
- T is the corner radius.

## R9-23

- 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 height of the symbol on 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, third, and fourth lines.
- K is the letter height and FHWA standard font for the third line.
- L is the letter height and FHWA standard font for the fourth line.
- M is the distance from the vertical center of the sign to the left edge of the symbol on the first line.
- N is the distance from the vertical center of the sign to the right edge of the symbol on the first line.
- P is the width of the first word on the second line.
- Q is the space between the words on the second line.
- R is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- S is the distance from the vertical center of the sign to the right edge of the word on the second line.
- T is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- U is the width of the first word on the fourth line.
- V is the distance from the vertical center of the sign to the right edge of the first word on the fourth line.
- W is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- X is the width of the second word on the fourth line.
- Y is the corner radius.

## R9-23a

- 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 height of the symbol on 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, third, and fourth lines.
- K is the letter height and FHWA standard font for the third line.
- L is the letter height and FHWA standard font for the fourth line.
- M is the distance from the vertical center of the sign to the left edge of the symbol on the first line.
- N is the distance from the vertical center of the sign to the right edge of the symbol on the first line.
- P is the width of the first word on the second line.
- Q is the distance from the vertical center of the sign to the right edge of the first word on the second line.
- R is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- S is the width of the second word on the second line.
- T is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- U is the width of the first word on the fourth line.
- V is the distance from the vertical center of the sign to the right edge of the first word on the fourth line.
- W is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- X is the width of the second word on the fourth line.
- Y is the corner radius.

## R9-23b

- 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 height of the symbol on 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, third, and fourth lines and the space between the words on the third and fourth lines.
- K is the letter height and FHWA standard font for the third and fourth lines.
- L is the distance from the vertical center of the sign to the left edge of the symbol on the first line.
- M is the distance from the vertical center of the sign to the right edge of the symbol on the first line.
- N is the width of the first word on the second line.
- P is the distance from the vertical center of the sign to the right edge of the first word on the second line.
- Q is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- R is the width of the second word on the second line.
- S is the distance from the vertical center of the sign to the left edge of the first word on the third line.
- T is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- U is the width of the second word on the third line.
- V is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- W is the distance from the vertical center of the sign to the right edge of the first word on the fourth line.
- X is the width of the second word on the fourth line.
- Y is the corner radius.



## R9-23c

- 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 height of the symbol on 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, third, and fourth lines and the space between the words on the third and fourth lines.
- K is the letter height and FHWA standard font for the third and fourth lines.
- L is the space between the fourth line and fifth lines.
- M is the height of the arrow symbol on the fifth line.
- N is the distance from the bottom of the last line to the bottom of the sign.
- P is the distance from the vertical center of the sign to the left edge of the symbol on the first line.
- Q is the distance from the vertical center of the sign to the right edge of the symbol on the first line.
- R is the width of the first word on the second line.
- S is the distance from the vertical center of the sign to the right edge of the first word on the second line.
- T is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- U is the width of the second word on the second line.
- V is the distance from the vertical center of the sign to the left edge of the first word on the third line.
- W is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- X is the width of the second word on the third line.
- Y is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- Z is the distance from the vertical center of the sign to the right edge of the first word on the fourth line.
- AA is the width of the second word on the fourth line.
- BB is the distance from the vertical center of the sign to the left edge of the arrow symbol.
- CC is the distance from the vertical center of the sign to the right edge of the arrow symbol.
- DD is the width of the arrow shaft.
- EE is the length of the arrow.
- FF is the width of the arrowhead.
- GG is the corner radius.

## R9-24

- 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 tip of the arrowhead to the top of the sign.
- F is the distance from the bottom of the bicycle symbol to the bottom of the sign.
- G is the height of the bicycle symbol.
- H is the distance from the top of the bicycle symbol to the top of the sign.
- J is the distance from the top of the bicycle symbol to the top of the words on the line.
- K is the letter height and FHWA standard font for the line.
- L is the space between the bicycle symbol and the first word.
- M is the width of the first word.
- N is the distance from the vertical center of the sign to the right edge of the first word.
- P is the distance from the vertical center of the sign to the left edge of the second word.
- Q is the width of the second word.
- R is the distance from the right edge of the second word to the tip of the arrowhead.
- S is the width of the arrowhead.
- T is the length of the arrow.
- U is the corner radius.

## R9-24a

- 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 arrow symbol to the top of the sign and from the bottom of the arrow symbol to the bottom of the sign.
- F is the width of the arrowhead.
- G is the distance from the bottom of the bicycle symbol to the bottom of the sign.
- H is the height of the bicycle symbol.
- J is the distance from the top of the bicycle symbol to the top of the sign.
- K is the letter height and FHWA standard font for the line.
- L is the distance from the bottom of the words to the bottom of the sign.
- M is the space between the bicycle symbol and the first word.
- N is the width of the first word.
- P is the distance from the vertical center of the sign to the right edge of the first word.
- Q is the distance from the vertical center of the sign to the left edge of the second word.
- R is the width of the second word.
- S is the space between the second word and the arrow symbol.
- T is the length of the arrow.
- U is the corner radius.

## R9-25

- 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 arrow symbol to the top of the sign.
- F is the distance from the top of the bicycle symbol to the top of the sign, the height of the bicycle symbol, and the distance from the bottom of the bicycle symbol to the bottom of the sign.
- G is the distance from the top of the words on the first line to the top of the sign.
- H is the letter height and FHWA standard font for each line.
- J is the space between the lines.
- K is the space between the bicycle symbol and the first word on the first line.
- L is the width of the first word on the first line.
- M is the space between the first and second words on the first line.
- N is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- P is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- Q is the space between the second and third words on the first line.
- R is the width of the third word on the first line.
- S is the distance from the right edge of the first line to the right edge of the arrow symbol.
- T is the distance from the vertical center of the sign to the left edge of the word on the second line.
- U is the distance from the vertical center of the sign to the right edge of the word on the second line.
- V is the width of the arrowhead.
- W is the length of the arrow.
- X is the corner radius.

## R9-25a

- 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 arrow symbol to the top of the sign.
- F is the width of the arrowhead.
- G is the distance from the top of the bicycle symbol to the top of the sign, the height of the bicycle symbol, and the distance from the bottom of the bicycle symbol to the bottom of the sign.
- H is the distance from the top of the words on the first line to the top of the sign.
- J is the letter height and FHWA standard font for each line.
- K is the space between the lines.
- L is the space between the bicycle symbol and the first word on the first line.
- M is the width of the first word on the first line.
- N is the space between the first and second words on the first line.
- P is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- Q is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- R is the space between the second and third words on the first line.
- S is the width of the third word on the first line.
- T is the distance from the right edge of the first line to the right edge of the arrow symbol.
- U is the distance from the vertical center of the sign to the left edge of the word on the second line.
- V is the distance from the vertical center of the sign to the right edge of the word on the second line.
- W is the length of the arrow.
- X is the corner radius.

## R9-25b

- 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 of words to the top of the sign and from the bottom of the last line of words 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 of words.
- H 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.
- J is the height of the arrow symbol.
- K is the height of the bicycle symbol and the distance from the bottom of the bicycle symbol to the bottom of the sign.
- L is the arrowhead width.
- M is the space between the arrow symbol and the bicycle symbol.
- N is the width of the bicycle symbol
- P is the space between the bicycle symbol and the first word on the first line.
- Q is the width of the first word on the first line.
- R is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- S is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- T is the width of the second word on the first line.
- U is the space between the second and third words on the first line.
- V is the width of the third word on the first line.
- W is the distance from the vertical center of the sign to the left edge of the word on the second line.
- X is the width of the word on the second line.
- Y is the corner radius.

## R9-26

- 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 arrow symbol to the top of the sign.
- F is the distance from the bottom of the bicycle symbol to the bottom of the sign.
- G is the height of the bicycle symbol.
- H is the distance from the top of the bicycle symbol to the top of the sign.
- J is the letter height and FHWA standard font for the line.
- K is the distance from the bottom of the words to the bottom of the sign.
- L is the space between the bicycle symbol and the first word.
- M is the width of the first word.
- N is the space between the first and second words.
- P is the distance from the vertical center of the sign to the left edge of the second word.
- Q is the distance from the vertical center of the sign to the right edge of the second word.
- R is the distance from the right edge of the second word to the right edge of the arrow symbol.
- S is the width of the arrowhead.
- T is the length of the arrow.
- U is the corner radius.

## **R9-26a**

- 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 arrow symbol to the top of the sign and from the bottom of the arrow symbol to the bottom of the sign.
- F is the width of the arrowhead.
- G is the distance from the bottom of the bicycle symbol to the bottom of the sign.
- H is the height of the bicycle symbol.
- J is the distance from the top of the bicycle symbol to the top of the sign.
- K is the letter height and FHWA standard font for the line.
- L is the distance from the bottom of the words to the bottom of the sign.
- M is the space between the symbols and words.
- N is the width of the first word.
- P is the distance from the vertical center of the sign to the left edge of the second word.
- Q is the distance from the vertical center of the sign to the right edge of the second word.
- R is the length of the arrow.
- S is the corner radius.



## **R9-26b**

- 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 words to the top of the sign and from the bottom of the words to the bottom of the sign.
- F is the letter height and FHWA standard font for the words.
- G 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.
- H is the height of the arrow symbol.
- J is the height of the bicycle symbol.
- K is the distance from the bottom of the bicycle symbol to the bottom of the sign.
- L is the width of the arrowhead.
- M is the space between the arrow and bicycle symbols and between the words.
- N is the width of the bicycle symbol.
- P is the distance from the vertical center of the sign to the right edge of the bicycle symbol.
- Q is the distance from the vertical center of the sign to the left edge of the first word.
- R is the width of the first word.
- S is the width of the second word.
- T is the corner radius.

## R9-27

- 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 arrow symbol to the top of the sign.
- F is the distance from the bottom of the bicycle symbol to the bottom of the sign.
- G is the height of the bicycle symbol.
- H is the distance from the top of the bicycle symbol to the top of the sign.
- J is the letter height and FHWA standard font for the line.
- K is the distance from the bottom of the words to the bottom of the sign.
- L is the space between the symbols and words.
- M is the distance from the vertical center of the sign to the left edge of the first word.
- N is the distance from the vertical center of the sign to the right edge of the first word.
- P is the width of the second word.
- Q is the arrowhead width.
- R is the length of the arrow.
- S is the corner radius.

## R9-27a

- 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 arrow symbol to the top of the.
- F is the arrowhead width.
- G is the distance from the bottom of the bicycle symbol to the bottom of the sign.
- H is the height of the bicycle symbol.
- J is the distance from the top of the bicycle symbol to the top of the sign.
- K is the letter height and FHWA standard font for the line.
- L is the distance from the bottom of the words to the bottom of the sign.
- M is the space between the symbols and words.
- N is the distance from the vertical center of the sign to the left edge of the first word.
- P is the distance from the vertical center of the sign to the right edge of the first word.
- Q is the width of the second word.
- R is the length of the arrow.
- S is the corner radius.

## **R9-27b**

- 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.
- F is the letter height and FHWA standard font for the line.
- G 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.
- H is the height of the arrow symbol.
- J is the height of the bicycle symbol.
- K is the distance from the bottom of the bicycle symbol to the bottom of the sign.
- L is the arrowhead width.
- M is the space between the arrow and bicycle symbols.
- N is the width of the bicycle symbol.
- P is the space between the bicycle symbol and the first word and between the words.
- Q is the distance from the vertical center of the sign to the left edge of the first word.
- R is the distance from the vertical center of the sign to the right edge of the first word.
- S is the width of the second word.
- T is the corner radius.

## **R10-10a**

- 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 the first line.
- G is the space between the lines.
- 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 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 and right edges of the third line.
- P is the corner radius.

## **R10-10b – Sheet 1**

- 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 the lines.
- G is the space between the lines.
- 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 third line.
- N is the distance from the vertical center of the sign to the right edge of the third line.
- P is the corner radius.

## **R10-10b – Sheet 2**

- 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 the lines.
- G is the space between the lines.
- 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 third line.
- N is the distance from the vertical center of the sign to the right edge of the third line.
- P is the corner radius.

## **R10-10c – Sheet 1**

- 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 the first and fourth lines.
- G is the space between the lines.
- 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 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 and right edges of the fourth line.
- R is the corner radius.



## R10-10c – Sheet 2

- 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 the first, second, and third lines.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the fourth 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 and right edges of the fourth line.
- R is the corner radius.

## R10-12a

- 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 the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second word on the second line.
- J is the letter height and FHWA standard font for the third line.
- K is the letter height and FHWA standard font for the fourth and fifth lines.
- L is the letter height and FHWA standard font for the first word on the second line.
- M is the width of the first word on the first line.
- N is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- P is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- Q is the width of the second word on the first line.
- R is the distance from the vertical center of the sign to the left edge of the first word on the second line.
- S is the distance from the vertical center of the sign to the right edge of the first word on the second line.
- T is the space between the words on the second line.
- U is the width of the second word on the second line.
- V is the distance from the vertical center of the sign to the left and right edges of the third line.
- W is the distance from the vertical center of the sign to the left edge of the fourth line.
- X is the distance from the vertical center of the sign to the right edge of the fourth line.
- Y is the distance from the vertical center of the sign to the left and right edges of the fifth line.
- Z is the corner radius.

## **R10-12b**

- 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 letter height and FHWA standard font for the third line.
- L is the space between the third line and the symbol.
- M is the symbol height.
- N is the distance from the bottom of the symbol to the bottom of the sign.
- P is the width of the first word on the first line.
- Q is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- R is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- S is the width of the second word on the first line.
- T is the distance from the vertical center of the sign to the left edge of the second line.
- U is the distance from the vertical center of the sign to the right edge of the second line.
- V is the distance from the vertical center of the sign to the left and right edges of the third line.
- W is the distance from the vertical center of the sign to the left and right edges of the symbol.
- X is the corner radius.

## **R10-14b**

- 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 lines of words.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the letter height and FHWA standard font for the fourth line.
- K is the distance from the bottom of the arrow symbol to the bottom of the sign.
- L is the distance from the vertical center of the sign to the left and right edges of the first line.
- M is the distance from the vertical center and the left edge of the first word on the second line.
- N is the distance from the vertical center of the sign 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 distance from the vertical center of the sign to the left and right edges of the third line.
- S is the distance from the vertical center of the sign to the left edge of the fourth line.
- T is the distance from the vertical center of the sign to the right edge of the fourth line.
- U is the distance from the vertical center of the sign to the left edge of the symbol.
- V is the width of the arrowhead.
- W is the length of the arrow.
- X is the corner radius.

## **R10-15a**

### ***R10-15aR and R10-15aL:***

- 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 and the width of the dividing line.
- D is the distance from the top of the arrow to the top of the sign.
- E is the width of the arrowhead.
- F is the distance from the bottom of the arrowhead to the base of the arrow.
- G is the distance from the base of the arrow to the top of the dividing line.
- H is the distance from the right edge of the second line to the left edge of the arrow symbol and from the bottom of the dividing line to the top of the pedestrian symbol.
- J is the height of the pedestrian symbol.
- K is the distance from the bottom of the pedestrian symbol to the bottom of the sign.
- L is the distance from the bottom of the STOP sign symbol to the bottom of the sign.
- M is the height of the STOP sign symbol.
- N is the distance from the top of the STOP sign symbol to the bottom of the dividing line.
- P is the letter height and FHWA standard font for the word on the STOP sign symbol.
- Q is the letter height and FHWA standard font for the second line.
- R is the space between the lines on the yellow panel.
- S is the letter height and FHWA standard font for the first line and for the word “FOR”.
- T is the distance from the top of the first line to the top of the sign.
- U is the distance from the vertical center of the sign to the left edge of the first line.
- V is the distance from the vertical center of the sign to the right edge of the first line.
- W is the distance from the vertical center of the sign to the left edge of the second line.
- X is the distance from the vertical center of the sign to the right edge of the second line.
- Y is the width of the arrow symbol.
- Z is the outer corner radius of the bend in the arrow.
- AA is the inner corner radius of the bend in the arrow.
- BB is the distance from the vertical center of the STOP sign symbol to the left edge of the word “STOP”.
- CC is the distance from the vertical center of the STOP sign symbol to the right edge of the word “STOP”.
- DD is the space between the STOP sign symbol, the word “FOR”, and the pedestrian symbol.
- EE is the distance from the vertical center of the sign to the left edge of the word “FOR”.
- FF is the distance from the vertical center of the sign to the right edge of the word “FOR”.
- GG is the distance from the bottom of the word “FOR” to the bottom of the sign.
- HH is the corner radius.

## R10-18a

- 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 symbol to the top of the sign.
- F is the distance from the top of the symbol to the top of the first circle, the space between the circles, and the distance from the bottom of the third circle to the bottom of the symbol.
- G is the height of each circle.
- H is the distance from the bottom of the symbol to the top of the second line.
- J is the letter height and FHWA standard font for the second line.
- K is the space between the second and third lines.
- L is the letter height and FHWA standard font for the third line.
- 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 and right edges of the symbol.
- P is the radius of each circle.
- Q is the distance from the vertical center of the sign to the left edge of the second line.
- R is the distance from the vertical center of the sign to the right edge of the second line.
- S is the distance from the vertical center of the sign to the left edge of the third line.
- T is the distance from the vertical center of the sign to the right edge of the third line.
- U is the corner radius.

## R10-23a

- 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 and from the bottom of the last line to the bottom 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 and between the third, fourth, and fifth lines.
- H is the letter height and FHWA standard font for the second line.
- J is the distance from the bottom of the second line to the top edge of the dividing line and the space between the words on the fourth line.
- K is the distance from the bottom edge of the dividing line to the top of the third line.
- L is the letter height and FHWA standard font for the third line.
- M is the letter height and FHWA standard font for the fourth line.
- N is the letter height and FHWA standard font for the second word on the fifth line.
- P is the letter height and FHWA standard font for the first word on the fifth line.
- Q is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- R is the width of the first word on the second line.
- S is the space between the words on the second line.
- T is the width of the second word on the second line. The left edge of the second word is aligned with the vertical center of the sign.
- U is the distance from the vertical center of the sign to the left edge of the first word on the third line.
- V is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- W is the space between the words on the third line.
- X is the width of the second word on the third line
- Y is the distance from the vertical center of the sign to the left edge of the first word on the fourth line.
- Z is the distance from the vertical center of the sign to the right edge of the first word on the fourth line.
- AA is the width of the second word on the fourth line.
- BB is the width of the first word on the first line. The right edge of the first word is aligned with the vertical center of the sign.
- CC is the space between the words on the fifth line
- DD is the width of the second word on the fifth line.
- EE is the corner radius.

## R10-40

- 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 bicycle symbol 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 the second and fourth lines.
- G is the space between the arrow and the last line.
- H is the distance from the base of the arrow to the start of its curve.
- J is the vertical distance from the start of the curve in the arrow to the tip of the arrow.
- K is the distance from the arrow tip to the bottom of the second line.
- L is space between the bicycle symbol and the second line.
- M is the height of the bicycle symbol.
- N is the distance from the vertical center of the sign to the left edge of the bicycle symbol.
- P is the distance from the vertical center of the sign to the right edge of the bicycle symbol.
- Q is the distance from the vertical center of the sign to the left and right edges of the second line.
- R is the distance from the vertical center of the sign to the tip of the arrowhead.
- S is the width of the arrowhead.
- T is the length of the straight section from the end of the curve to the tip of the arrowhead.
- U is the radius of the curve in the arrow.
- V is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- W is the corner radius.



## R10-40a

- 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 bottom of the fourth line to the bottom of the sign.
- F is the letter height and FHWA standard font for the second and fourth lines.
- G is the space between the second line and the arrow symbol and the space between the arrow symbol and the fourth line.
- H is the height of the arrow symbol.
- J is the space between the bicycle symbol and the second line.
- K is the height of the bicycle symbol.
- L is the distance from the top of the bicycle symbol to the top of the sign.
- M is the distance from the vertical center of the sign to the left edge of the bicycle symbol.
- N is the distance from the vertical center of the sign to the right edge of the bicycle symbol.
- 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 arrowhead.
- R is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- S is the corner radius.

## R10-41

- 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 bicycle symbol to the top of the sign and from the bottom of the arrow symbol to the bottom of the sign.
- F is the height of the bicycle symbol.
- G is the space between the bicycle symbol and the second line.
- H is the letter height and FHWA standard font for the second line.
- J is the space between the second line and the left arrowhead tip.
- K is the vertical distance from the left arrowhead tip to the right arrowhead tip.
- L is the vertical distance from the start of the curved branch to the tip of the right arrowhead.
- M is the distance from the arrow base to the start of the curved branch.
- N is the distance from the vertical center of the sign to the left edge of the bicycle symbol.
- P Is the distance from the vertical center of the sign to the right edge of the bicycle symbol.
- Q Is the distance from the vertical center of the sign to the left and right edges of the second line.
- R Is the distance from the vertical center of the sign to the left edge of the left arrow symbol.
- S Is the distance from the vertical center of the sign to the right edge of the right arrow symbol.
- T is the length of the right arrow from the end of the curve to the tip of the arrowhead.
- U is the width of each arrowhead.
- V is the radius of the curve in the right branch of the arrow.
- W is the corner radius.

## R10-41a

- 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 bicycle symbol to the top of the sign and from the bottom of the arrow symbol to the bottom of the sign.
- F is the distance from the common arrow base to the start of curves in the branches.
- G is the vertical distance from the start of the curve in each arrow branch to the tip of its arrowhead.
- H is the space between the second line and the arrow symbol.
- J is the letter height and FHWA standard font for the second line.
- K is the space between the bicycle symbol and second line.
- L is the height of the bicycle symbol.
- M is the distance from the vertical center of the sign to the left edge of the bicycle symbol.
- N is the distance from the vertical center of the sign to the right edge of the bicycle symbol.
- P is the distance from the vertical center of the sign to the left and right edges of the second line.
- Q is the distance from the vertical center of the sign to the left edge of the arrow symbol.
- R is the distance from the vertical center of the sign to the right edge of the arrow symbol.
- S is the distance of the straight section in each arrow branch from the end of the curve to the arrowhead tip.
- T is the width of the arrow's base.
- U is the length of each arrow along their angles of curvature.
- V is the corner radius.

## R10-41b

- 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 bicycle symbol to the top of the sign and from the bottom of the arrow symbol to the bottom of the sign.
- F is the height of the common arrow shaft at the beginning of the curves in the branches.
- G is the distance from the beginning of the curves in the arrow branches to the tips of the left and right arrowheads.
- H is the vertical distance from the tips the left and right arrowheads to the tip of center arrowhead.
- J is the space between the word on the second line and the arrow symbol.
- K is the letter height and FHWA standard font for the second line.
- L is the space between the bicycle symbol and the second line.
- M is the height of the bicycle symbol.
- N is the distance between the vertical center of the sign and the left edge of the bicycle symbol.
- P is the distance between the vertical center of the sign and the right edge of the bicycle symbol.
- Q is the distance between the vertical center of the sign and the left and right edges of the second line.
- R is the distance between the vertical center of the sign and the left edge of the arrow symbol.
- S is the distance between the vertical center of the sign and the right edge of the arrow symbol.
- T is the length of the straight sections of the left and right arrow branches from the ends of the curves to the tips of the arrowheads.
- U is the radius of the left and right arrow branches.
- V is the width of the arrowheads.
- W is the corner radius.

## R10-41c

- 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 bicycle symbol to the top of the sign and from the bottom of the arrow symbol to the bottom of the sign.
- F is the distance from the arrow base to the start of the curved branch.
- G is the vertical distance from the start of the curved branch to the tip of the left arrowhead.
- H is the vertical distance from the left arrowhead tip to the right arrowhead tip.
- J is the space between the second line and the right arrowhead tip.
- K is the letter height and FHWA standard font for the second line.
- L is the space between the bicycle symbol and the second line.
- M is the height of the bicycle symbol.
- N is the distance from the vertical center of the sign to the left edge of the bicycle symbol.
- P Is the distance from the vertical center of the sign to the right edge of the bicycle symbol.
- Q Is the distance from the vertical center of the sign to the left and right edges of the second line.
- R Is the distance from the vertical center of the sign to the left edge of the left arrow symbol.
- S Is the distance from the vertical center of the sign to the right edge of the right arrow symbol.
- T is the length of the left arrow from the end of the curve to the tip of the arrowhead.
- U is the width of each arrowhead.
- V is the radius of the curve in the left branch of the arrow.
- W is the corner radius.

## **R11-2a**

- 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 distance from the vertical center of the sign to the left and right edges of the first line.
- J is the distance from the vertical center of the sign to the left and right edges of the second line.
- K is the corner radius.

## **R11-2b**

- 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 distance from the vertical center of the sign to the left and right edges of the first line.
- J is the distance from the vertical center of the sign to the left and right edges of the second line.
- K is the corner radius.

## **R11-2c**

- 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 distance from the vertical center of the sign to the left and right edges of the first line.
- J is the distance from the vertical center of the sign to the left and right edges of the second line.
- K is the corner radius.



## R11-3a

- 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 lines.
- H is the letter height and FHWA standard font for the second line.
- J is the letter height and FHWA standard font for the third line.
- K is the distance from the bottom of the last line to the bottom of the sign.
- L is the width of the first word on the first line.
- M is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- N is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- P is the width of the second word on the first line.
- Q is the distance from the vertical center of the sign to the left and right edges of the second line.
- R is the width of the number on the second line.
- S is the space between the words on the second line.
- T is the width of the second word on the second line.
- U is the width of the third word on the second line.
- V is the width of the first word on the third line.
- W is the space between the words on the third line.
- X is the distance from the vertical center of the sign to the left edge of the second word on the third line.
- Y is the distance from the vertical center of the sign to the right edge of the second word on the third line.
- Z is the width of the third word on the third line.
- AA is the corner radius.

## R12-6

- 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 all of the words, numbers, and letters on the sign except for the word “AXLES.”
- G is the distance from the bottom of the first line to the top edge of the first dividing line.
- H is the width of each dividing line.
- J is the distance from the bottom of the first dividing line to the top of the second line.
- K is the height of the symbol on the second line.
- L is the space between the second and third lines, the distance from the bottom of the fifth line to the top edge of the second dividing line, and the distance from the bottom of the second dividing line to the top of the sixth line.
- M is the space between the third, fourth, and fifth lines.
- N is the space between the sixth and seventh lines.
- P is the distance from the bottom of the seventh (last) line to the bottom of the sign.
- Q is the distance from the bottom of the symbol on the seventh line to the bottom of the sign.
- R is the height of the symbols on the sixth and seventh lines.
- S is the space between the symbols on the sixth and seventh lines.
- T is the distance from the left edge of the words or symbols on the third, fourth, fifth, sixth, and seventh lines to the left edge of the sign.
- U is the distance from the vertical center of the sign to the left edge of the word on the first line.
- V is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- W is the space between the words on the first line.
- X is the width of the second word on the first line.
- Y is the distance from the vertical center of the sign to the left edge of the symbol on the second line.
- Z is the distance from the vertical center of the sign to the right edge of the symbol on the second line and the width of each number on the left side of the third, fourth, and fifth lines.
- AA is the width of the last word on the third, fourth, fifth, sixth, and seventh lines.
- BB is the space between the numbers and hyphens on the third and fourth lines and the space between the number and the plus sign on the fifth line.
- CC is the width of the hyphens on the third and fourth lines.
- DD is the space between the numbers and words on the left side of the third, fourth, and fifth lines.
- EE is the width of the word “AXLES” on the third, fourth, and fifth lines.

- FF is the letter height and standard FHWA font for the word “AXLES” on the third, fourth, and fifth lines.
- GG is the width of the plus sign on the fifth line.
- HH is the corner radius.

## R12-7

- 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 the first, second, and third lines.
- G is the space between the first, second, and third lines.
- H is the space between the third and fourth lines.
- J is the space between the fourth, fifth, and sixth lines.
- K is the letter height and FHWA standard font for the last word of the fourth line and the fifth and sixth lines.
- L is the letter height and FHWA standard font for the first and second words on the fourth line.
- M is the distance from the vertical center of the sign to the left and right edges of the first line.
- N is the distance from the vertical center of the sign to the left and right edges of the second line.
- P is the distance from the vertical center of the sign to the left edge of the first word on the third line.
- Q is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- R is the space between the words on the third line.
- S is the width of the second word on the third line.
- T is the distance from the left edge of the words on the fourth, fifth, and sixth lines to the left edge of the sign.
- U is the width of the first word on the fourth line.
- V is the space between the first two words on the fourth line.
- W is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- X is the distance from the vertical center of the sign to the right edge of the second word on the fourth line.
- Y is the width of the third word on the fourth line.
- Z is the width of the first word on the fifth line.
- AA is the width of the second word on the fifth line.
- BB is the width of the first word on the sixth line.
- CC is the width of the second word on the sixth line.
- DD is the corner radius.

## R12-7aP

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

## R16-3

- 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, second, and third lines.
- G is the distance from the bottom of the first line to the top of the dividing line.
- H is the distance from the bottom of the dividing line to the top of the second line.
- J is the space between the second and third lines.
- K is the space between the third and fourth lines.
- L is the letter height and FHWA standard font for the fourth line.
- M is the space between the fourth and fifth lines.
- N is the letter height and FHWA standard font for the fifth line.
- P is the distance from the bottom of the last line to the bottom of the sign.
- Q is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- R is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- S is the space between the words on the first line.
- T is the width of the second word on the first line.
- U is the width of the first word on the second line.
- V is the space between the words on the second line.
- W is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- X is the distance from the vertical center of the sign to the right edge of the second word on the second line.
- Y is the width of the third word on the second line.
- Z is the distance from the vertical center of the sign to the left edge of the first word on the third line.
- AA is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- BB is the space between the words on the third line.
- CC is the width of the second word on the third line.
- DD is the width of the first word on the fourth line.
- EE is the space between the words on the fourth line.
- FF is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- GG is the distance from the vertical center of the sign to the right edge of the second word on the fourth line.
- HH is the width of the first word on the fifth line.
- JJ is the space between the first and second words on the fifth line.

- KK is the distance from the vertical center of the sign to the left edge of the second word on the fifth line.
- LL is the distance from the vertical center of the sign to the right edge of the second word on the fifth line.
- MM is the space between the second and third words on the fifth line.
- NN is the width of the third word on the fifth line.
- PP is the corner radius.

## R16-15

- 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, the space between the bottom of the dividing line and the top of the second line, and the space between the first and second word on the second line.
- 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 of the dividing line.
- H the letter height and FHWA standard font for the second, third, and fourth lines.
- J is the space between the second, third, and fourth lines.
- K is the distance from the bottom of the last line to the bottom of the sign.
- L is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- M is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- N is the space between the first and second word on the first line.
- 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 distance from the vertical center of the sign to the left edge of the second word on the second line.
- S is the distance from the vertical center of the sign to the right edge of the second word on the second line.
- T is the space between the second word, hyphen, and third word on the second line.
- U is the width of the hyphen on the second line.
- V is the width of the third word on the second line.
- W is the distance from the vertical center of the sign to the left edge of the first word on the third line.
- X is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- Y is the space between the words on the third and fourth lines.
- Z is the width of the first word on the third line.
- AA is the width of the first word on the fourth line.
- BB is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- CC is the distance from the vertical center of the sign to the right edge of the second word on the fourth line.
- DD is the corner radius.



## R16-15a

- 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, the space between the bottom of the dividing line and the top of the second line, and the space between the first and second word on the second line.
- 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 of the dividing line.
- H the letter height and FHWA standard font for the second, third, and fourth lines.
- J is the space between the second, third, and fourth lines.
- K is the distance from the bottom of the last line to the bottom of the sign.
- L is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- M is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- N is the space between the first and second word on the first line.
- 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 distance from the vertical center of the sign to the left edge of the second word on the second line.
- S is the distance from the vertical center of the sign to the right edge of the second word on the second line.
- T is the space between the second word, hyphen, and third word on the second line.
- U is the width of the hyphen on the second line.
- V is the width of the third word on the second line.
- W is the distance from the vertical center of the sign to the left edge of the first word on the third line.
- X is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- Y is the space between the words on the third and fourth lines.
- Z is the width of the first word on the third line.
- AA is the width of the first word on the fourth line.
- BB is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- CC is the distance from the vertical center of the sign to the right edge of the second word on the fourth line.
- DD is the corner radius.