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R1-1: Stop

- A is the horizontal and vertical dimensions of the sign.
- B is the border width.
- C is the distance from the top of the word to the top of the sign and from the bottom of the word to the bottom of the sign.
- D is the letter height and FHWA standard font for the line.
- E is the distance from the horizontal center of the sign to the top of the word.
- F is the distance from the vertical center of the sign to the left and right edges of the word.
- G is the length of each edge of the sign.

R1-2: Yield

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the inner edge of the border to the top of the white panel.
- D is the distance from the top of the white panel to the top of the word.
- E is the letter height and FHWA standard font for the word.
- F is the distance from the vertical center of the sign to the left edge of the word.
- G is the distance from the vertical center of the sign to the right edge of the word
- H is the corner radius of the white panel.
- J is the corner radius of the sign.

R1-2aP: To Oncoming Traffic (plaque)

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

R1-2bP: To Traffic in Circle (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second line.
- J is the 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: To All Lanes (plaque)

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

R1-3P: All-Way (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D 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.
- E is the letter height and FHWA standard font for the line.
- F is the width of the first word.
- G is the distance from the vertical center of the plaque to the right edge of the first word.
- H is the distance from the vertical center of the plaque to the left edge of the second word.
- J is the width of the second word.
- K is the corner radius.

R1-5: Yield Here to Pedestrians

- 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 “YIELD” symbol to the top of the sign.
- E is the distance from the top of the white inset of the “YIELD” symbol to the top of the “YIELD” symbol.
- F is the distance from the top of the word on the white inset of the “YIELD” symbol to the top of the white inset.
- G is the letter height and FHWA standard font for the word on the “YIELD” symbol.
- H is the distance from the bottom of the word on the “YIELD” symbol to the top of the word “HERE.”
- J is the letter height and FHWA standard font for the words “HERE” and “TO.”
- 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 word “TO” to the bottom of the sign.
- P is the distance from the bottom of the “YIELD” symbol to the top of the word “TO.”
- Q is the height of the pedestrian symbol.
- R is the height of the “YIELD” symbol.
- S is the distance from the vertical center of the sign to the left edge of the word on the “YIELD” symbol.
- T is the distance from the vertical center of the sign to the right edge of the word on the “YIELD” symbol.
- U is the distance from the vertical center of the 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.
- V is the distance from the vertical center of the sign to the left edge of the word “HERE” on the first sign and to the right edge of the word “HERE” on the second sign.
- W is the width of the word “HERE.”
- X is the distance from the vertical center of the sign to the left and right edges of the word “TO.”
- Y is the distance from the vertical center of the sign to the tip of the arrowhead.
- Z is the corner radii of the red triangle and white panel triangle of the “YIELD” symbol and of the sign.

R1-5b: Stop Here for Pedestrians

- 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 stop sign symbol to the top of the sign.
- E is the distance from the top of the stop sign symbol to the top of the word on the symbol, and from the bottom of the word on symbol to the bottom of the symbol.
- F is the letter height and FHWA standard font for the word on the stop sign symbol.
- G is the distance from the bottom of the stop sign symbol to the top of the word “HERE” and from the top of the pedestrian symbol to the bottom of the stop sign symbol.
- H is the letter height and FHWA standard font for the words “HERE” and “TO.”
- J is the distance from the bottom of the word “HERE” to the top of the arrow symbol.
- K is the height of the arrow symbol.
- L is the distance from the tip of the arrowhead to the bottom of the sign.
- M is the distance from the bottom of the word “FOR” to the bottom of the sign.
- N is the distance from the top of the pedestrian symbol to the top of the word “FOR.”
- P is the height of the pedestrian symbol.
- Q is the height of the stop sign symbol.
- R is the length of each edge of the stop sign symbol.
- S is the distance from the vertical center of the sign to the right and left edges of the word on the stop sign symbol.
- T is the distance from the vertical center of the 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.
- U is the distance from the vertical center of the sign to the left edge of the word “HERE” on the first sign and to the right edge of the word “HERE” on the second sign.
- V is the width of the word “HERE.”
- W is the distance from the vertical center of the sign to the left edge of the word “FOR.”
- X is the distance from the vertical center of the sign to the right edge of the word “FOR.”
- Y is the distance from the vertical center of the sign to the tip of the arrowhead.
- Z is the corner radius.

R1-5d: Yield Here to Trail Crossing

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: Stop Here for Trail Crossing

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.

R1-6: In-Street Pedestrian Crossing – Yield

- 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 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 word on the first and second lines.
- F is the space between the first and second lines above the panel, the second line and the top of the panel, the bottom of the panel and the first line below the panel, and the first and second lines below the panel.
- G is the height of the panel.
- H is the distance from the top of the yield symbol to the top of the panel and from the bottom of the pedestrian symbol to the bottom of the panel.
- J is the height of the yield symbol.
- K is the space between symbols and word on the panel.
- L is the letter height and FHWA standard font for the word on the panel.
- M is the height of the pedestrian symbol.
- N is the letter height and FHWA standard font for the lines below the panel.
- P is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- Q is the distance from the vertical center of the sign to the left edge of the word on the second line.
- R is the distance from the vertical center of the sign to the right edge 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 panel.
- T is the distance from the top of the white portion of the yield symbol to the top of the yield symbol.
- U is the distance from the top of the word on the yield symbol to the top of the white portion of the yield symbol.
- V is the letter height and FHWA standard font for the word on the yield symbol.
- W is the distance from the vertical center of the sign to the left and right edges of the word on the yield symbol.
- X is the distance from the vertical center of the sign to the left edge of the word on the panel.
- Y is the distance from the vertical center of the sign to the right edge of the word on the panel.
- Z is the corner radius of the border of the yield symbol.
- AA is the corner radius of the white portion of the yield symbol.
- BB 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.
- CC is the distance from the vertical center of the sign to the left edge of the word on the second line below the panel.

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

R1-6a: In-Street Pedestrian Crossing – Stop

- 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 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 word on the first and second lines.
- F is the space between the first and second lines above the panel, the second line and the top of the panel, the bottom of the panel and the first line below the panel, and the first and second lines below the panel.
- G is the height of the panel.
- H is the distance from the top of the stop sign symbol to the top of the panel and from the bottom of the pedestrian symbol to the bottom of the panel.
- J is the height of the stop sign symbol.
- K is the space between symbols and word on the panel.
- L is the letter height and FHWA standard font for the word on the panel.
- M is the height of the pedestrian symbol.
- N is the letter height and FHWA standard font for the lines below the panel.
- P is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- Q is the distance from the vertical center of the sign to the left edge of the word on the second line.
- R is the distance from the vertical center of the sign to the right edge 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 panel.
- T is the distance from the vertical center of the sign to the left and right edges of the stop sign symbol.
- U is the distance from the vertical center of the sign to the left edge of the word on the stop sign symbol.
- V is the distance from the vertical center of the sign to the right edge of the word on the stop sign symbol.
- W is the distance from the top of the word on the stop sign symbol to the top of 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 panel.
- Z is the corner radius of the panel.
- AA 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.
- BB is the distance from the vertical center of the sign to the left edge of the word on the second line below the panel.
- CC is the distance from the vertical center of the sign to the right edge of the word on the second line below the panel.

- DD is the corner radius.

R1-6d: In-Street Trail Crossing - Yield

- 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: In-Street Trail Crossing - Stop

- 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.

R1-9: Overhead Pedestrian Crossing – Yield

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

R1-9a: Overhead Pedestrian Crossing – Stop

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

R1-9d: Overhead Trail Crossing - Yield

- 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: Overhead Trail Crossing - Stop

- 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.

R1-10P: Except Right Turn (plaque)

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

R2-1: Speed Limit

- 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 distance from the vertical center of the sign to the left edge of the word on the first line.
- K is the distance from the vertical center of the sign to the right edge of the word on the first line.
- L is the distance from the vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.
- N is the distance from the vertical center of the sign to the left and right edges of the number on the third line.
- P is the corner radius.

R2-2P: Truck Speed Limit (plaque)

- 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 plaque.
- 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.

R2-2aP: Bus Speed Limit (plaque)

- 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: Truck-Bus Speed Limit (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second line.
- J is the 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: Vehicles Over X Tons Speed Limit (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first 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.

R2-3P: Night Speed Limit (plaque)

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

R2-4P: Minimum Speed Limit (plaque)

- 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 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 vertical center of the plaque to the left and right edges 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 number on the second line.
- K is the corner radius.

R2-4a: Combined Maximum and Minimum Speed Limits

- 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 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 letter height and FHWA standard font for the fifth line.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 and right edges of the number on the third line.
- R is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- S is the distance from the vertical center of the sign to the left and right edges of the number on the fifth line.
- T is the corner radius.

R2-5P: Unless Otherwise Posted (plaque)

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

R2-5aP: Citywide (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the 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.

R2-5bP: Neighborhood (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the 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.

R2-5cP: Residential (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the 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.

R2-6P: Fines Higher (plaque)

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

R2-6aP: Fines Double (plaque)

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

R2-6bP: \$XX Fine (plaque)

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

R2-10: Begin Higher Fines Zone

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

R2-11: End Higher Fines Zone

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

R2-13: End Variable Speed Limit

- 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: End Truck Speed Limit

- 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.

R3-1: Movement Prohibition – No Right Turn

- 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 sign to the top of the circle and bottom of the sign to the bottom of the circle.
- E is the distance from the horizontal center of the sign to the top and bottom of the circle.
- F is the distance from the horizontal center of the sign to the top of the arrow shaft and the distance from the vertical center of the sign to the left side of the arrow shaft.
- G is the distance from the vertical center of the sign to the tip of the arrowhead.
- H is the width of the circle.
- J is the width of the diagonal and the width of the arrow shaft.
- K is the distance from the horizontal center of the sign to the tip of the arrowhead.
- L is the distance from the horizontal center of the sign to the base of the arrow shaft.
- M is the height of the arrowhead.
- N is the corner radius.

R3-1a: No Right Turn Across Tracks (activated blank-out)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the distance from the top of the sign to the top of the circle.
- D is the distance from the horizontal center of the circle to the top and bottom of the circle.
- E is the space between the circle and the word.
- F is the letter height and FHWA standard font for the word on the sign.
- G is the distance from the bottom of the word to the bottom of the sign.
- H is the distance from the horizontal center of the circle to the top of the arrow shaft and the distance from the vertical center of the sign to the left edge of the arrow shaft.
- J is the distance from the vertical center of the sign to the tip of the arrowhead.
- K is the width of the arrow shaft at the point of curvature.
- L is the width of the arrow shaft.
- M is the distance from the horizontal center of the circle to the tip of the arrowhead.
- N is the distance from the horizontal center of the circle to the bottom of the arrow shaft.
- P is the width of the circle and diagonal.
- Q is the distance from the vertical center of the sign to the left edge of the word.
- R is the distance from the vertical center of the sign to the right edge of the word.
- S is the height of the arrowhead.

R3-1b: Movement Prohibition, Vehicle Class (1 line)

- 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: Movement Prohibition, Vehicle Class (2 lines)

- 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: Movement Prohibition, Vehicle Class (3 lines)

- 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: Movement Prohibition, Vehicle Exception (1 line)

- 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: Movement Prohibition, Vehicle Exception (2 lines)

- 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: Movement Prohibition, Part-Time (2 lines)

- 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: Movement Prohibition, Part-Time (3 lines) – 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: Movement Prohibition, Part-Time (3 lines) – 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.

R3-2: Movement Prohibition – No Left Turn

- 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 circle to the top of the sign and from the bottom of the circle to the bottom of the sign.
- E is the distance from the horizontal center of the sign to the top and bottom of the circle.
- F is the distance from the horizontal center of the sign to the top horizontal edge of the arrow shaft and from the vertical center of the sign to the right vertical edge of the arrow shaft.
- G is the distance from the vertical center of the sign to the tip of the arrowhead.
- H is the outer radius of the bend in the arrow shaft.
- J is the inner radius of the bend in the arrow shaft.
- K is the width of the arrow shaft.
- L is the distance from the horizontal center of the sign to the tip of the arrowhead.
- M is the distance from the horizontal center of the sign to the base of the arrow shaft.
- P is the width of the diagonal line and the linewidth of the open circle.
- Q is the sign corner radius.

R3-2a: No Left Turn Across Tracks (activated blank-out)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the distance from the top of the circle to the top of the sign.
- D is the distance from the horizontal center of the circle to the top and bottom of the circle.
- E is the distance from the bottom of the circle to the top of the word.
- E is the space between the circle and the word.
- F is the letter height and FHWA standard font for the word.
- G is the distance from the bottom of the word to the bottom of the sign.
- H is the distance from the horizontal center of the circle to the top horizontal edge of the arrow shaft and from the vertical center of the sign to the right vertical edge of the arrow shaft.
- J is the distance from the vertical center of the sign to the tip of the arrowhead.
- K is the outer radius of the bend in the arrow shaft.
- L is the inner radius of the bend in the arrow shaft.
- M is the width of the arrow shaft.
- N is the distance from the horizontal center of the circle to the tip of the arrowhead.
- P is the distance from the horizontal center of the circle to the base of the arrow shaft.
- Q is the width of the diagonal line and the linewidth of the open circle.
- R is the distance from the horizontal center of the sign to the left edge of the word.
- S is the distance from the horizontal center of the sign to the right edge of the word.

R3-3: Movement Prohibition – No Turns

- 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 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 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 corner radius.

R3-4: Movement Prohibition - No U Turn

- 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 circle to the top of the sign and from the bottom of the circle to the bottom of the sign.
- E is the distance from the horizontal center of the sign to the top and bottom of the circle.
- F is the width of the arrow shaft.
- G is the inner radius of the curve in the arrow shaft and the distance from the vertical center of the sign to the inner left and right edges of the arrow shaft.
- H is the distance from the horizontal center of the sign to the center of the curve in the arrow shaft.
- J is the distance from the horizontal center of the sign to the tip of the arrowhead and to the base of the arrow shaft.
- K is the distance from the vertical center of the sign to the tip of the.
- L is the width of the diagonal line and the linewidth of the open circle.
- M is the width of the arrowhead.
- N is the corner radius.

R3-5: Mandatory Movement Lane Control – Turn Only

- 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 beginning of the curve in the arrow shaft to the top of the sign.
- F is the length of the vertical section of the arrow shaft from its base to the beginning of the curve.
- G is the space between the arrow symbol and the word.
- H is the letter height and FHWA standard font for the word.
- J is the distance from the bottom of the word to the bottom of the sign .
- K is the distance from the vertical center of the sign to the tip of the arrowhead.
- L is the distance from horizontal center of the sign to the tip of the arrowhead.
- M is the distance from the horizontal center of the sign to the beginning of the curve in the arrow shaft.
- N is the distance from the vertical center of the sign to the centerline of the vertical section of the arrow shaft.
- P is the distance from the vertical center of the sign to the center of the curve in the arrow shaft.
- Q is the radius of the arrow curve centerline.
- R is the width of the arrowhead.
- S is the width of the arrow shaft.
- T is the distance from the vertical center of the sign to the inner vertical edge of the arrow shaft.
- U is the distance from the vertical center of the sign to the left and right edges of the word.
- V is the sign corner radius.

R3-5a: Mandatory Movement Lane Control – Through Only

- 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 and from the bottom of the word to the bottom of the sign.
- F is the length of the arrow.
- G is the space between the arrow and the word.
- H is the letter height and FHWA standard font for the word on the sign.
- J is the width of the arrowhead.
- 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.

R3-5bP: Left Lane (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the width of the first word.
- H is the 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.

R3-5cP: HOV 2+ (plaque)

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

R3-5dP: Taxi Lane (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the width of the first word.
- H is the 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.

R3-5fP: Right Lane (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the width of the first word.
- H is the 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.

R3-5gP: Bus Lane (plaque)

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

R3-5hP: Bike Lane (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the width of the first word.
- H is the 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.

R3-6: Optional Movement Lane Control – Thru and Turn

R3-6R

- 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 left arrowhead to the top of the sign.
- F is the distance from the horizontal center of the sign to the tip of the left arrowhead.
- G is the distance from the horizontal center of the sign to the base of the arrow.
- H is the distance from the base of the arrow to the bottom of the sign
- J is the width of the arrow's base.
- K is the distance from the vertical center of the sign to the right edge of the left arrow shaft.
- L is the distance from the vertical center of the sign to the vertex of the curve angle of the right arrow branch.
- M is the radius of the curve in the right arrow branch.
- N is the distance from the horizontal center of the sign to the vertex of the curve angle of the right arrow branch.
- P is the distance from the horizontal center of the sign to the tip of the right arrowhead.
- Q is the distance from the vertical center of the sign to the tip of the right arrowhead.
- R is the width of each arrowhead.
- S is the corner radius.

R3-6L

- 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 right arrowhead to the top of the sign.
- F is the distance from the horizontal center of the sign to the tip of the right arrowhead.
- G is the distance from the horizontal center of the sign to the base of the arrow.
- H is the distance from the base of the arrow to the bottom of the sign
- J is the width of the arrow's base.
- K is the distance from the vertical center of the sign to the left edge of the right arrow shaft.
- L is the distance from the vertical center of the sign to the vertex of the curve angle of the left arrow branch.
- M is the radius of the curve in the left arrow branch.
- N is the distance from the horizontal center of the sign to vertex of the curve angle of the left arrow branch.
- P is the distance from the horizontal center of the sign to the tip of the left arrowhead.
- Q is the distance from the vertical center of the sign to the tip of the left arrowhead.

- R is the width of each arrowhead.
- S is the corner radius.

R3-6a: Optional Movement Lane Control - U and Left Turns

- 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: Optional Movement Lane Control - Oblique

- 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: Right Lane Must Turn Right – 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: Left Lane Must Turn Left – 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: Except Buses (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque, the 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: Except Bicycles (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque, the 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.

R3-8: Advance Intersection Lane Control (2 lanes)

R3-8R

- 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 horizontal center of the sign to the tip and base of the straight arrow on the left.
- E is the distance from the bottom of the word to the bottom of the sign.
- F is the letter height and FHWA standard font for the word.
- G is the distance from the horizontal center of the sign to the tip of the arrow on the right.
- H is the distance from the vertical center of the sign to the tip of the arrow on the right.
- J is the distance from the vertical center of the sign to the tip of the curved arrow on the left.
- K is the distance from the vertical center of the sign to the tip of the straight arrow on the left.
- L is the width of each arrow shaft.
- M is the width of the word.
- N is the distance from the horizontal center of the sign to the bottom of the arc of the arrow on the right.
- P is the distance from the horizontal center of the sign to the base of the arrow on the right.
- Q is the radius of the arc of the right arrow.
- R is the distance from the horizontal center of the sign to the tip of the curved arrow on the left.
- S is the distance from the vertical center of the sign to the bottom of the arc of the arrow on the right.
- T is the width of each arrowhead.
- U is the radius of the arc of the curved arrow on the left.
- V is the distance from the vertical center of the sign to the left edge of the partial dividing line.
- W is the distance from the vertical center of the sign to the left edge of the word.
- X is the distance from the horizontal center of the sign to the bottom of the arc of the arrow on the left.
- Y is the distance from the horizontal center of the sign to the top of the partial dividing line.
- Z is the corner radius.

R3-8L

- H is the distance from the vertical center of the sign to the tip of the arrow on the left.
- K is the distance from the vertical center of the sign to the tip of the straight arrow on the left right.

R3-8a: Advance Intersection Lane Control (3 lanes)

- 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 letter height and FHWA standard font for each word.
- F is the distance from the bottom of the words to the bottom of the sign.
- G is the distance from the horizontal center of the sign to the tip of the straight arrow in the middle.
- H is the width of each partial dividing line
- J is the distance from the vertical center of the sign to the right edge of the arrow base in the middle.
- K is the distance from the horizontal center of the sign to the tips of the left and right arrows.
- L is the distance from the horizontal center of the sign to the bottom of the arcs of the left and right arrows.
- M is the radius of the arc of the left and right arrows.
- N is the space between the partial dividing lines and the left and right arrows.
- P is the distance from the horizontal center of the sign to the bases of the left and right arrows.
- Q is the width of each arrowhead.
- R is the width of each arrow shaft.
- S is the distance from the horizontal center of the sign to the base of the arrow in the middle.
- T is the distance from the vertical center of the sign to the edges of each partial dividing line.
- U is the distance from the vertical center of the sign to the center of the straight arrow in the middle.
- V is the radius of the arc of the curved arrow in the middle.
- W is the distance from the horizontal center of the sign to the bottom of the arc of the curved arrow in the middle.
- X is the distance from the horizontal center of the sign to the tip of the curved arrow in the middle.
- Y is the distance from the vertical center of the sign to the tip of the curved arrow in the middle.
- Z is the distance from the vertical center of the sign to the tip of the arrow on the right.
- AA is the width of each word.
- BB is the space between each word and the partial dividing lines.
- CC is the distance from the horizontal center of the sign to the top of the partial dividing line on the right.
- DD is the corner radius.

R3-8b: Advance Intersection Lane Control (3 lanes)

- 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 letter height and FHWA standard font for the words.
- F is the distance from the bottom of each word to the bottom of the sign.
- G is the distance from the horizontal dividing line to the base of each arrow.
- H is the distance from the horizontal dividing line to the tip of the vertical arrow.
- J is the distance from the horizontal center of the sign to the tip of each curved arrow.
- K is the distance from the horizontal center of the sign to the beginning of the curve in each curved arrow.
- L is the distance from the vertical center of the sign to the tip of each curved arrow.
- M is the radius of the curve centerline in each of the curved arrows.
- N is the space between each partial dividing line and the base of its adjacent curved arrow.
- P is the width of each partial dividing line.
- Q is the width of each arrowhead.
- R is the width of each arrow shaft base.
- S is the width of the word under each curved arrow.
- T is the space between the partial dividing line and the word under each curved arrow.
- U is the distance from the vertical center of the sign to the left and right edges of the word under the vertical arrow.
- V is the corner radius.

R3-8xa: Advance Intersection Lane Control with Bike Lane – 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: Advance Circular Intersection Lane Control (2 lanes)

- 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: Advance Circular Intersection Lane Control (2 lanes)

- 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: Advance Circular Intersection Lane Control (2 lanes)

- 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: Advance Circular Intersection Lane Control (2 lanes)

- 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.

R3-9a: Two-Way Left Turn Only (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the base of the first arrow to the top of the sign and from the bottom of the word to the bottom of the sign.
- F is the length of the vertical section of each arrow shaft from the base to the start of the curve.
- G is the vertical distance from the start of the curve to the tip of each arrow.
- H is the vertical distance from the tip of the first arrow to the base of the second arrow.
- J is the space between the base of the second arrow and the word.
- K is the letter height and FHWA standard font for the word.
- L is the radius of the curve in each arrow. Each curve subtends an angle of 71.5 degrees.
- M is the distance from the center of the curve in the first arrow to the right edge of the sign and from the center of the curve in the second arrow to the left edge of the sign.
- N is the length of the straight section of each arrow shaft from the end of the curve to the base of the arrowhead.
- P is the width of each arrowhead.
- Q is the distance from the tip of the top arrow to the right edge of the sign and from the tip of the bottom arrow to the left edge of the sign.
- R is the distance from the vertical center of the sign to the left and right edges of the word.
- S is the corner radius.

R3-9b: Two-Way Left Turn Only (post-mounted)

- 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 FWHA standard font for each line of words.
- G is the space between the first and second lines and between the second arrow symbol and last line.
- H is the distance from the bottom of the second line to the top of the dividing line.
- J is the distance from the bottom of the dividing line to the top of the first arrow symbol.
- K is the distance from the top of the first arrow symbol to the bottom of the second arrow symbol.
- L is the distance from 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 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 dividing line.
- R is the length of the straight section of each arrow from the base of the arrow shaft to the beginning of the curve.
- S is the radius of the curve in each arrow. Each curve subtends an angle of 75 degrees.
- T is the length of the straight section of each arrow shaft from the end of the curve to the base of the arrowhead.
- U is the distance from the vertical center of the sign to the left edge of the word on the last line.
- V is the distance from the vertical center of the sign to the right edge of the word on the last line.
- W is the width of each arrowhead.
- X is the corner radius.

R3-9cP: BEGIN (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the 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: END (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the 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.

R3-9e: Reversible Lane Control (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the vertical center of each section of the sign to the vertical center of each dividing line bordering the respective section.
- F is the distance from the tip of the straight branch of the arrow in the center section of the sign to the top of the sign.
- G is the distance from the top of the symbol on the right section of the sign to the top of the sign.
- H is the height of the symbol on the right section of the sign.
- J is the space between the first and second lines of the right section of the sign.
- K is the letter height and FHWA standard font for the second line of the right section of the sign.
- L is the letter height and FHWA standard font for the third and fourth lines of the right section of the sign.
- M is the space between the third and fourth lines of the right section of the sign.
- N is the distance from the bottom of the last line of the right section of the sign to the bottom of the sign.
- P is the distance from the last line on the left section of the sign to the bottom of the sign.
- Q is the letter height and FHWA standard font for the last line of the left section of the sign.
- R is the distance from the center of the symbol on the first line of the left section of the sign to the top of the sign.
- S is the length of each rectangle that forms the crossbuck symbol on the first line of the left section of the sign.
- T is the width of each rectangle that forms the crossbuck symbol on the first line of the left section of the sign.
- U is the distance from the vertical center of the sign to the tip of the curved branch of the arrow symbol on the center section of the sign.
- V is the height of the arrow symbol on the center section of the sign.
- W is the width of each vertical dividing line.
- X is the distance from the vertical center of the right section of the sign to the left and right edges of the symbol on the first line.
- Y is the distance from the vertical center of the right section of the sign to the left and right edges of the word on the second line.
- Z is the distance from the vertical center of the left and center sections of the sign to the left and right edges of the word on the second line of each section.
- AA is the distance from the vertical center of the right section 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 right section of the sign to the left and right edges of the word on the fourth line.
- CC is the corner radius.

R3-9f: Reversible Lane Control (post-mounted)

- 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, fourth, and fifth lines.
- L is the space between the third and fourth lines and between the fifth and sixth lines.
- M is the space between the fourth and fifth lines.
- N is the letter height and FHWA standard font for the sixth 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 and right edges of the word on the first line.
- R is the distance from the vertical center of the sign to the left edge of the 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 width of the first word on the third line.
- U is the space between the words on the third line and between the second number and the word on the fifth 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 word on the fourth line.
- Y is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Z is the distance from the vertical center of the sign to the left and right edges of the fifth line.
- AA is the width of the numbers and the word on the fifth line.
- BB is the width of the hyphen and the space between the hyphen and the numbers on the fifth line.
- CC is the distance from the vertical center of the sign to the left and right edges of the sixth line.
- DD is the width of the words on the sixth line.
- EE is the width of the hyphen and the space between the hyphen and the words on the fifth line.
- FF is the corner radius.

R3-9g: Advance Reversible Lane Control Transition – 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 and for the second and third words on the second 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 each word.
- K is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- M is the width of the third word on 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 width of the first word on the second line.
- Q is the width of the second word on the second line.
- R is the width of the third word on the second line.
- S is the letter height and FHWA standard font for the first word on the second line.
- T is the corner radius.

R3-9g: Advance Reversible Lane Control Transition – 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 width of the first word on the first line.
- J is the space between each word.
- K is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- M is the width of the third word on 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 width of the first word on the second line.
- Q is the width of the second word on the second line.
- R is the corner radius.

R3-9h: Advance Reversible Lane Control Transition – 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 and for the second and third words on the second 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 words.
- K is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- M is the width of the third word on 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 width of the first word on the second line.
- Q is the width of the second word on the second line.
- R is the width of the third word on the second line.
- S is the letter height and FHWA standard font for the first word on the second line.
- T is the corner radius.

R3-9h: Advance Reversible Lane Control Transition – 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 width of the first word on the first line.
- J is the space between each word.
- K is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- M is the width of the third word on 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 width of the first word on the second line.
- Q is the width of the second word on the second line.
- R is the corner radius.

R3-9i: End Reverse Lane

- 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 width of the panel border.
- D is the border width of the sign.
- E is the distance from the top of both the panel and the first line to the top of the sign, and from the bottom of both the panel and 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 height of the panel.
- J is the width of the panel.
- K is the distance from the vertical center of the sign to the right edge of the panel.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the width 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 width of the word on the third line.
- S is the corner radius of the sign.
- T is the corner radius of the panel.

R3-10: Preferential Lane Vehicle Occupancy Definition (post-mounted)

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

R3-10a: Preferential Lane Vehicle Occupancy Definition (post-mounted)

- 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 horizontal center of the symbol to the top of the sign.
- F is the distance from the horizontal center of the sign to the bottom edge of the panel.
- G is the distance from the bottom edge of the panel to the top of the first line.
- H is the letter height and FHWA standard font for each line.
- J is the space between 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 word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 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 edge of the word on the fifth line.
- V is the distance from the vertical center of the sign to the right edge of the word on the fifth line.
- W is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- X is the distance from the vertical center of the symbol to the right and left edges of the symbol.
- Y is the border width of the symbol.
- Z is the corner radius.

R3-11: Preferential Lane Operation - High-Occupancy Vehicles (post-mounted)

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

R3-11a: Preferential Lane Operation - High-Occupancy Vehicles (post-mounted)

- 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 sign to the top of the first line.
- F is the letter height and FHWA standard font for the first and second lines.
- G is the space between the first and second line.
- H is the distance from the bottom of the second line to the bottom of the panel.
- J is the distance from the bottom of the 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 line.
- M is the space between the fourth and fifth line.
- N is the letter height and FHWA standard font for the fifth and sixth lines.
- P is the space between the fifth and sixth line.
- Q is the distance from the bottom of the last line to the bottom of the sign.
- R is the distance from the horizontal center of the symbol to the bottom of the panel.
- S is the distance from the horizontal center of the symbol to the top of the sign.
- 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 vertical center of the sign to the left edge of the word on the second line.
- W is the distance from the vertical center of the sign to the right edge of the word on the second line.
- X is the distance from the horizontal center of the symbol to the top and bottom edges of the symbol.
- Y is the distance from the vertical center of the symbol to the left and right edges of the symbol.
- Z is the symbol line width.
- AA is the distance from the vertical center of the sign to the vertical center of the symbol.
- BB is the distance from the vertical center of the sign to the left and right edges of the third line.
- CC is the width of the word on the third line.
- DD is the space between the word and the number on the third line.
- EE is the width of the number and plus sign on the third line.
- FF is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- GG is the distance from the vertical center of the sign to the left and right edges of the fifth line.
- HH is the distance from the vertical center of the sign to the left and right edges of the last line.
- JJ is the corner radius.

R3-11b: Preferential Lane Operation – High-Occupancy Vehicles, Full-Time (post-mounted)

- 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 horizontal center of the symbol to the top of the sign.
- F is the distance from the horizontal center of the sign to the bottom of black panel.
- G is the distance from the bottom of the black panel to the top of the first line.
- H is the letter height and FHWA standard font for each line.
- J is space between the 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 and right edges of the first line.
- M is the width of the first word on the first line.
- N is the space between the words 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 word on the second line.
- R is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- S is the distance from the vertical center of the symbol to the right and left edges of the symbol.
- T is the border width of the symbol.
- U is the corner radius.

R3-11c: Preferential Lane Operation - High-Occupancy Vehicles, Full-Time (post-mounted)

- 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.

R3-11d: Preferential Lane Operation (post-mounted)

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

R3-11e: Preferential Lane Operation - Full-Time (post-mounted)

- 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: Preferential Lane Operation (post-mounted)

- 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: Preferential Lane Operation - Full-Time (post-mounted)

- 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: Motorcycles Allowed (plaque)

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

R3-12: Preferential Lane Ahead - High-Occupancy Vehicles (post-mounted)

- 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 horizontal center of the symbol to the top of the sign.
- F is the distance from the horizontal center of the symbol to the bottom of the panel.
- G is the distance from the bottom of the panel to the top of the first line.
- H is the letter height and FHWA standard font for each line.
- J is the space between the 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 and right edges of the first line.
- M is the width of the first word on the first line.
- N is the space between the words 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 edge of the word on the second line.
- R is the distance from the vertical center of the sign to the right edge 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 distance from the vertical center of the sign to the left and right edges of the symbol.
- V is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- W is the line width of the symbol.
- X is the corner radius.

R3-12a: Preferential Lane Ends - High-Occupancy Vehicles (post-mounted)

- 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 horizontal center of the symbol to the top of the sign.
- F is the distance from the horizontal center of the symbol to the bottom of the panel.
- G is the space between the panel and the first line.
- H is the letter height and FHWA standard font for each line.
- J is the space between the 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 word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 distance from the vertical center of the symbol to the left and right edges of the symbol.
- T is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- U is the line width of the symbol.
- V is the corner radius.

R3-12b: Preferential Lane Ends - High-Occupancy Vehicles (post-mounted)

- 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 horizontal center of the symbol to the top of the sign.
- F is the distance from the horizontal center of the symbol to the bottom of the panel.
- G is the space between the bottom edge of the panel and the top of the first line.
- H is the letter height and FHWA standard font for the first, second, and third lines.
- J is the space between the first, second, and third lines.
- K is the space between the third line and the word on the fourth line.
- L is the letter height and FHWA standard font for the word and numbers on the fourth line.
- M is the distance from the bottom of the word on the last line to the bottom of the sign.
- N is the distance from the bottom of the fraction on the last line to the bottom of the sign.
- P is the height of the fraction.
- Q is the distance from the vertical center of the sign to the left edge of the word on the first line.
- R is the distance from the vertical center of the sign to the right edge 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 edge of the word on the third line.
- V is the distance from the vertical center of the sign to the right edge of the word on the third 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 width of the fraction.
- Y is the space between the fraction and the word on the third line.
- Z is the width of the last word on the third line.
- AA is the distance from the vertical center of the symbol to the left and right edges of the symbol.
- BB is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- CC is the line width of the symbol.
- DD is the corner radius.

R3-12c: Preferential Lane Restriction Ends - High-Occupancy Vehicles (post-mounted)

- 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 horizontal center of the symbol to the top of the sign.
- F is the distance from the horizontal center of the symbol to the bottom of the panel
- G is the distance from the bottom of the panel to the top of the first line.
- H is the letter height and FHWA standard font for the first and third 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 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 symbol.
- U is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- V is the symbol's line width.
- W is the corner radius.

R3-12d: Preferential Lane Restriction Ends - High-Occupancy Vehicles (post-mounted)

- 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 horizontal center of the symbol to the top of the sign.
- F is the distance from the horizontal center of the symbol to the bottom of the panel.
- G is the space between the panel and the first line.
- H is the letter height and FHWA standard font for the first and third lines.
- J is the space between the first, second, and third lines.
- K is the letter height and FHWA standard font for the second line.
- L is the space between the third line and the word on the fourth line.
- M is the letter height and FHWA standard font for the word and numbers on the fourth line.
- N is the distance from the word on the fourth line to the bottom of the sign.
- P is the distance from the bottom of the fraction on the fourth line to the bottom of the sign.
- Q is the height of the fraction.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance from the vertical center of the sign to the left edge of the 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 distance from the vertical center of the sign to the left edge of the word on the third line.
- W is the distance from the vertical center of the sign to the right edge of the word on 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 width of the fraction.
- Z is the space between the fraction and the word on the fourth line.
- AA is the width of the word on the fourth line.
- BB is the distance from the vertical center of the symbol to the left and right edge of the symbol.
- CC is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- DD is the line width of the symbol.
- EE is the corner radius.

R3-12e: Preferential Lane Ahead - High-Occupancy Vehicles (post-mounted)

- 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 panel.
- J is the distance from the bottom of the panel to the top of the third line.
- K is the letter height and FHWA standard font for the third and fourth lines and the numbers in the fraction on the fifth line.
- L is the space between the third, fourth, and lines.
- M is the letter height and FHWA standard font for 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 bottom of the fraction on the last line to the bottom of the sign.
- Q is the height of the fraction on the last line.
- R is the distance from the horizontal center of the symbol to the bottom of the panel.
- S is the distance from the horizontal center of the symbol to the top of the sign.
- 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 vertical center of the sign to the left edge of the word on the second line.
- W is the distance from the vertical center of the sign to the right edge of the word on the second line.
- X is the distance from the horizontal center of the symbol to the top and bottom edges of the symbol.
- Y is the distance from the vertical center of the symbol to the left and right edges of the symbol.
- Z is the line width of the symbol.
- AA is the distance from the vertical center of the sign to the vertical center of the symbol.
- BB is the distance from the vertical center of the sign to the left and right edges of the third line.
- CC is the width of the word on the third line.
- DD is the space between the word and the number on the third line.
- EE is the width of the number and plus sign on the third line.
- FF is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- GG is the distance from the vertical center of the sign to the left and right edges of the fifth line.
- HH is the width of the fraction.
- JJ is the space between the fraction and the word on the fifth line.

- KK is the width of the word on the fifth line.
- LL is the corner radius.

R3-12f: Preferential Lane Ahead (post-mounted)

- 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 and right edges of the word on the second line.
- L is the distance from the vertical center of the sign to the left edge of the word on the third line.
- M is the distance from the vertical center of the sign to the right edge of the word on the third line.
- N is the corner radius.

R3-12g: Preferential Lane Ends (post-mounted)

- 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 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 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 and the corner radius.

R3-12h: Preferential Lane Ends (post-mounted)

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

R3-13: Preferential Lane Vehicle Occupancy Definition (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 and third lines.
- J is the space between the second and third 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 and right edges of the first line.
- M is the width of the first word on the first line.
- N is the space between the words on the first line.
- P is the width of the second word on the first line.
- Q is the width of the third 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 width of the number on the second line.
- T is the space between the words on the second and third lines.
- U is the width of the first word on the second line.
- V is the width of the second word on the second line.
- W is the width of the third 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 left edge of the second word on the third line.
- Z is the distance from the vertical center of the sign to the right edge of the second word on the third line.
- AA is the distance from the bottom of the panel to the top of the sign.
- BB is the distance from the horizontal center of the symbol to the top and bottom edges of the symbol.
- CC is the distance from the left edge of the sign to the right edge of the panel.
- DD is the distance from the vertical center of the symbol to the left edge of the sign.
- EE is the distance from the vertical center of the symbol to the right edge of the panel.
- FF is the distance from the vertical center of the symbol to the left and right edges of the symbol.
- GG is the line width of the symbol.
- HH is the corner radius.

R3-13a: Preferential Lane Vehicle Occupancy Definition (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 and third lines.
- 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 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 first line.
- P is the width of the first word on the first line.
- Q is the space between the words on the first line.
- R is the width of the second word on the first line.
- S is the width of the third word on the first line.
- 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 number on the second line.
- V is the space between the words on the second and third lines.
- W is the width of the first word on the second line.
- X is the width of the second word on the second line.
- Y is the width of the third word on the second line.
- Z is the width of the first word on the third line.
- AA is the distance from the vertical center of the sign to the left edge of the second word on the third line.
- BB is the distance between the vertical center of the sign to the right edge of the second word on the third line.
- CC is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- DD is the width of the first phrase (time range) on the fourth line.
- EE is the space between the phrases on the fourth line.
- FF is the width of the second phrase (day-of-week range) on the fourth line.
- GG is the height of the black panel.
- HH is the distance from the horizontal center of the diamond symbol to the top and bottom of the symbol.
- JJ is the distance from the right edge of the black panel to the left edge of the sign.
- KK is the distance from the vertical center of the diamond symbol to the left edge of the sign.
- LL is the distance from the vertical center of the diamond symbol to the right edge of the panel.

- MM is the distance from the vertical center of the diamond symbol to the left and right edges of the diamond symbol.
- NN is the line width of the diamond symbol.
- PP is the corner radius.

R3-14: HOV Lane Operation (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 space between the second and third lines.
- J is the letter height and FHWA standard font for the third line.
- K is the space between the third and fourth lines.
- L is the height of the arrow symbol.
- M is the distance from the bottom of the arrow symbol to the bottom of the sign.
- N is the distance from the bottom of the diamond symbol to the bottom of the black panel.
- P is the height of the diamond symbol.
- Q is the distance from the top of the diamond symbol to the top of the sign.
- R is the line width of the diamond symbol.
- S is the distance from the left edge of the diamond symbol to the left edge of the sign.
- T is the width of the diamond symbol.
- U is the distance from the right edge of the diamond symbol to the right edge of the panel.
- V is the distance from the vertical center of the sign to the vertical center of the first line.
- W is the distance from the vertical center of the first line to the left and right edges of the first line.
- X is the width of the first word on the first line.
- Y is the space between the words on the first line.
- Z is the width of the second word on the first line.
- AA is the distance from the vertical center of the first line to the left edge of the second line.
- BB is the distance from the vertical center of the first line to the right edge of the second line.
- CC is the distance from the vertical center of the sign to the left and right edges of the third line.
- DD is the width of the first phrase (time range) on the third line.
- EE is the space between the phrases on the third line.
- FF is the width of the second phrase (day-of-week range) on the third line.
- GG is the distance from the vertical center of the sign to the left and right edges of the arrow symbol on the fourth line.
- HH is the corner radius.

R3-14a: HOV Lane Operation (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 space between the second and third lines.
- J is the letter height and FHWA standard font for the third and fourth lines.
- K is the space between the third and fourth lines.
- L is the space between the fourth 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 bottom of the diamond symbol to the bottom of the panel.
- Q is the height of the diamond symbol.
- R is the distance from the top of the diamond symbol to the top of the sign.
- S is the line width of the diamond symbol.
- T is the distance from the left edge of the diamond symbol to the left edge of the sign.
- U is the width of the diamond symbol.
- V is the distance from the right edge of the diamond symbol to the right edge of the panel.
- W is the distance from the vertical center of the sign to a vertical reference line for the first two lines.
- X is the distance from the vertical reference line to the left and right edges of the first line.
- Y is the width of the first word on the first line.
- Z is the space between the words on the first line.
- AA is the width of the second word on the first line.
- BB is the distance from the vertical reference line to the left edge of the word on the second line.
- CC is the distance from the vertical reference line to the right edge of the word on the second line.
- DD is the distance from the vertical center of the sign to the left and right edges of the third line.
- EE is the distance from the vertical center of the sign to the left and right edges of the fourth 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.

R3-14b: HOV Lane Operation (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 space between the second and third lines.
- J is the height of the arrow symbol.
- K is the distance from the bottom of the last line to the bottom of the sign.
- L is the distance from the bottom of the diamond symbol to the bottom of the panel.
- M is the height of the diamond symbol.
- N is the distance from the top of the diamond symbol to the top of the sign.
- P is the line width of the symbol.
- Q is the distance from the left edge of the diamond symbol to the left edge of the sign.
- R is the width of the diamond symbol.
- S is the distance from the right edge of the diamond symbol to the right edge of the panel.
- T is the distance from the vertical center of the sign to the vertical center of the first line.
- U is the distance from the vertical center of the first line to the left and right edges of the first line.
- V is the distance from the vertical center of the first line to the left 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 first line to the left edge of the word on the second line.
- Z is the distance from the vertical center of the first line to the right edge of the word on the second 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.

R3-14c: Preferential Lane Operation (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 of the arrow symbol on the third line.
- K is the distance from the bottom of the second line to the top of the words on the third line.
- L is the letter height and FHWA standard font for words on the third line.
- M is the distance from the bottom of the words on 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 line.
- P is the distance from the vertical center of the sign to the right edge of the first line.
- Q is the width of the first word on the first line.
- R is the width of the hyphen and the space between the hyphen and the words 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 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 each word on the third line.
- W is the space between the hyphens and words on the third line.
- X is the width of the hyphens on the third line.
- Y is the space between the arrow symbol and the words.
- Z is the distance from the vertical center of the sign to the right and left edges of the arrow.
- AA is the height of the arrow.
- BB is the corner radius.

R3-15: HOV Lane Ahead (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 top of the symbol to the top of the sign and from the bottom of the symbol to the bottom of the sign.
- J is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- K is the distance from the vertical center of the symbol to the left edge of the sign.
- L is the distance from the vertical center of the symbol to the right edge of the panel.
- M is the distance from the vertical center of the sign to the right edge of the panel.
- N is the distance from the vertical center of the sign to the vertical center of the white section of the sign.
- P is the distance from the vertical center of the symbol to the left and right edges of the symbol.
- Q is the line width of the symbol.
- R is the distance from the vertical center of the white section of the sign to the left and right edges of the first line.
- S is the width of the first word on the first line.
- T is the space between the words on the first line.
- U is the width of the second word on the first line.
- V is the distance from the vertical center of the white section of the sign to the left edge of the word on the second line.
- W is the distance from the vertical center of the white section of the sign to the right edge of the word on the second line.
- X is the distance from the vertical center of the white section of the sign to the left edge of the word on the third line.
- Y is the distance from the vertical center of the white section of the sign to the right edge of the word on the third line.
- Z is the corner radius.

R3-15a: HOV Lane Begins XX Miles (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 and third lines.
- J is the space between the second and third lines.
- K is the space between the third and fourth lines.
- L is the height of the arrow symbol.
- M is the distance from the tip of the arrow to the bottom of the sign.
- N is the distance from the vertical center of the sign to the vertical center of the white section of the sign.
- P is the distance from the vertical center of the white section of the sign to the left and right edges of the first line.
- Q is the width of the first word on the first line.
- R is the space between the first and second words on the first line.
- S is the width of the second word on the first line.
- T is the space between the second and third words on the first line.
- U is the width of the third word on the first line.
- V is the distance from the vertical center of the white section of the sign to the left and right edges of the word on the second line.
- W is the distance from the vertical center of the white section of the sign to the left and right edges of the third line.
- X is the width of the first word on the third line.
- Y is the space between the words on the third line.
- Z is the width of the second word on the third line.
- AA is the distance from the vertical center of the white section of the sign to the left and right edges of the arrow symbol.
- BB is the distance from the top of the diamond symbol to the top of the sign and from the bottom of the diamond symbol to the bottom of the sign.
- CC is the height of the diamond symbol.
- DD is the distance from the vertical center of the diamond symbol to the left edge of the sign.
- EE is the distance from the vertical center of the diamond symbol to the right edge of the panel.
- FF is the line width of the symbol.
- GG is the distance from the vertical center of the symbol to the left and right edges of the symbol.
- HH is the corner radius.

R3-15b: HOV Lane Ends (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 top of the symbol to the top of the sign and from the bottom of the symbol to the bottom of the sign.
- J is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- K is the distance from the vertical center of the symbol the left edge of the sign.
- L is the distance from the vertical center of the symbol to the right edge of the black panel.
- M is the distance from the vertical center of the sign to the right edge of the black panel.
- N is the distance from the vertical center of the sign to the vertical center of the white section of the sign.
- P is the distance from the vertical center of the symbol to the left and right edges of the symbol.
- Q is the symbol line width.
- R is the distance from the vertical center of the white section of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the white section of the sign to the right edge of the word on the first line.
- T is the distance from the vertical center of the white section of the sign to the left edge of the word on the second line.
- U is the distance from the vertical center of the white section of the sign to the right edge of the word on the second line.
- V is the distance from the vertical center of the white section of the sign to the left edge of the word on the third line.
- W is the distance from the vertical center of the white section of the sign to the right edge of the word on the third line.
- X is the corner radius.

R3-15c: HOV Lane Ends (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 third 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 top of the symbol to the top of the sign and from the bottom of the symbol to the bottom of the sign.
- K is the distance from the horizontal center of the symbol to the top and bottom of the symbol.
- L is the distance from the vertical center of the symbol to the left edge of the sign.
- M is the distance from the vertical center of the symbol to the right edge of the panel.
- N is the distance from the vertical center of the sign to the right edge of the black panel.
- P is the distance from the vertical center of the sign to the vertical center of the white section of the sign.
- Q is the distance from the vertical center of the symbol to the right and left edges of the symbol.
- R is the line width of the symbol.
- S is the distance from the vertical center of the white section of the sign to the left edge of the word on the first line.
- T is the distance from the vertical center of the white section of the sign to the right edge of the word on the first line.
- U is the distance from the vertical center of the white section of the sign to the left edge of the word on the second line.
- V is the distance from the vertical center of the white section of the sign to the right edge of the word on the second line.
- W is the distance from the vertical center of the white section of the sign to the left edge of the word on the third line.
- X is the distance from the vertical center of the white section of the sign to the right edge of the word on the third line.
- Y is the corner radius.

R3-15d: Preferential Lane Ahead or Ends (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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.

R3-15e: Preferential Lane Ahead or Ends (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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 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.

R3-17: Bike Lane

- 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 distance from the top of the symbol to the top of the sign.
- E is the height of the symbol.
- F is the distance from the bottom of the symbol to the bottom of the black panel.
- G is the distance from the bottom of the black panel to the top of the second line.
- 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 bottom of the sign.
- K is the border width.
- L is the width of the first word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the first word on the second line.
- N is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- P is the width of the second word on the second line.
- Q is the corner radius.

R3-17aP: Ahead (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- F is the letter height and FHWA standard font for the word.
- 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.

R3-17bP: Ends (plaque)

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

R3-18: Movement Prohibition – No U or Left Turn

- 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 circle to the top of the sign and from the bottom of the circle to the bottom of the sign.
- E is the distance from the horizontal center of the sign to the top and bottom of the circle.
- F is the width of each arrow shaft.
- G is the distance from the vertical center of the sign to the left edge of the vertical portion of the arrow shaft.
- H is the distance from the vertical center of the sign to the tip of the arrowhead of the first arrow branch.
- J is the distance from the horizontal center of the sign to the tip of the arrowhead of the first arrow branch.
- K is the distance from the horizontal center of the sign to the center of the curve in the arrow shaft.
- L is the distance from the vertical center of the sign to the center of the curve in the arrow shaft.
- M is the outer radius of the curve in the arrow shaft.
- N is the inner radius of the curve in the arrow shaft.
- P is the distance from the horizontal center of the sign to the tip of the arrowhead of the second arrow branch.
- Q is the width of the diagonal line.
- R is the distance from the vertical center of the sign to the tip of the arrowhead of the second arrow branch.
- S is the linewidth of the red open circle.
- T is the width of each arrowhead.
- U is the corner radius.

R3-19: Lane for Left Turn Only

- 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: Lane for U Turn Only

- 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: Lane for U and Left Turns Only

- 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.

R3-20: Begin Right (Left) Turn Lane – 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.
- F is the letter height and FHWA standard font for each line of words.
- G is the space between the lines of words.
- H is the space between the fourth and fifth lines.
- J is the distance from the bottom of the last line 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 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 edge of the word on the fourth line.
- P is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Q is the distance from the vertical center of the sign to tip of the arrow symbol.
- R is the length of the arrow.
- S is the width of the arrowhead.
- T is the corner radius.

R3-20: Begin Right (Left) Turn Lane – 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.
- F is the letter height and FHWA standard font for each line of words.
- G is the space between the lines of words.
- H is the space between the fourth and fifth lines.
- J is the distance from the bottom of the last line 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 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 edge of the word on the fourth line.
- P is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Q is the distance from the vertical center of the sign to the tip of the arrow symbol.
- R is the length of the arrow.
- S is the width of the arrowhead.
- T is the corner radius.

R3-23: All Turns From Right Lane

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

R3-23a: U Turn from Right Lane

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

R3-24: All turns Directional (Oblique)

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

R3-24a: U and Left Turns Directional (Oblique)

- 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 to the top of the sign.
- F is the height of the arrow.
- G is the distance from the base of the arrow 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 and from the bottom of the last line to the bottom 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 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 width 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 distance from the vertical center of the sign to the left edge of the third word on the first line.
- R is the width of the third 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 space between the word on the second line and the arrow.
- V is the length of the arrow.
- W is the width of the arrowhead.
- X is the distance from the right edge of the last word on the first line to the tip of the arrow.
- Y is the corner radius.

R3-24b: U Turn Directional (Oblique)

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

R3-25: All Turns Directional

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

R3-25a: U and Left Turns Directional

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

R3-25b: U Turn Directional

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

R3-26: U and Left Turns Directional (Through)

- 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 top of the arrow to the top of the sign, from the base of the arrow to the bottom of the sign, and from the right edge of the third word on the first line to the right edge of the sign.
- J is the length of the arrow.
- K is the width of the arrowhead.
- L is the space between the arrow 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 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 width of the third 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 corner radius.

R3-26a: U Turn Directional (Through)

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

R3-27: Movement Prohibition – No Straight Through

- 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 circle to the top of the sign and from the bottom of the circle to the bottom of the sign.
- E is the distance from the horizontal center of the sign to the top and bottom edges of the circle.
- F is the width of the diagonal line and the linewidth of the open circle.
- G is the width of the arrowhead.
- H is the distance from the horizontal center of the sign to the tip of the arrowhead.
- J is the distance from the horizontal center of the sign to the base of the arrow shaft.
- K is the corner radius.

R3-28: Toll Rate

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

R3-29P: Pay Toll (plaque)

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

R3-30P: Take Ticket (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the 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 right and left edges of the word on the first line.
- J is the distance from the vertical center of the plaque to the left edge of the word on the second line.
- K is the distance from the vertical center of the plaque to the right edge of the word on the second line.
- L is the corner radius.

R3-31: ETC Account Only

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

R3-32P: No Cash (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the width of the first word.
- H is the distance between the first and second 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.

R3-33: Right (Left) Lane Must Exit – 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 line.
- J is the width 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 distance from the vertical center of the sign to the left edge of the second word on the first line.
- M is the width of the second word on the first line.
- N is the distance from the vertical center of the sign to the left edge 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 space between the words on the second line.
- R is the width of the second word on the second line.
- S is the corner radius.

R3-33: Right (Left) Lane Must Exit – 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 width of the first word on the first line.
- J is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- K is the 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 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 corner radius.

R3-33a: Right Lane Must Exit – 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: Left Lane Must Exit – 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.

R3-40: Priced Managed Lane Vehicle Occupancy Definition (post-mounted)

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

R3-42: Priced Managed Lane Ends (post-mounted)

- 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 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 edge of the word on the third line.
- M is the distance from the vertical center of the sign to the right edge of the word on the third line.
- N is the corner radius.

R3-42a: Priced Managed Lane Ends Advance (post-mounted)

- 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 words and numbers on the first and fourth lines.
- G is 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 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 edge of the word on the third line.
- M is the distance from the vertical center of the sign to the right edge 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 fourth line.
- P is the width of the fraction on the fourth line.
- Q is the space between the fraction and the word on the fourth line.
- R is the width of the word on the fourth line.
- S is the height of the fraction on the fourth line.
- T is the corner radius.

R3-42b: Priced Managed Lane Restriction Ends (post-mounted)

- 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 third 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 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 and right edges of the word on the third line.
- N is the corner radius.

R3-42c: Priced Managed Lane Restriction Ends Advance (post-mounted)

- 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 words and numbers on the first and fourth lines.
- G is 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 distance from the vertical center of the sign to the left and right edges of the fourth line.
- R is the width of the fraction on the fourth line.
- S is the space between the fraction and the word on the fourth line.
- T is the width of the word on the fourth line.
- U is the height of the fraction on the fourth line.
- V is the corner radius.

R3-43: Priced Managed Lane Vehicle Occupancy Definition

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

R3-44: Priced Managed Lane Operation (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the pictograph to the top of the sign.
- F is the height of the pictograph.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second line.
- J is the height of the arrow symbol.
- K is the distance from the tip of the arrow 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 pictograph 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 arrow on the third line.
- P is the corner radius.

R3-44a: Priced Managed Lane Operation (overhead)

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

R3-44b: Price Managed Lane Operation (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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.

R3-45: Priced Managed Lane Ends (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the 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.

R3-45a: Price Managed Lane Restriction Ends (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign and from the bottom of last line to the bottom of the sign.
- 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 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 corner radius.

R3-48: Priced Managed Lane Toll Rate

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the white 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 and for the word on the second line.
- F is the distance from the bottom of the first line to the bottom of the green panel.
- G is the distance from the bottom of the green panel to the top of the word on the second line and the space between the pictogram, the state highway marker symbol, and the interstate highway marker symbol on the second, third, and fourth lines.
- H is the distance from the bottom of the word on the second line to the top of the first changeable legend display.
- J is the height of each changeable legend display.
- K is the letter height and standard FHWA font for the legend on each changeable legend display.
- L is the space between the changeable legend displays.
- M is the distance from the bottom of the last line to the bottom of the sign.
- N is the black border width.
- P is the inset from the edge of the sign to the black border.
- Q is the distance from the bottom of the highway marker symbol on the last line to the bottom of the sign.
- R is the letter height and FHWA standard font for the word on the third and fourth lines.
- S is the height of the highway marker symbol on the third and fourth lines.
- T is the height of the pictograph on the second line.
- U is the distance from the bottom of the green panel to the top of the pictograph on the second line.
- V is the height of green panel.
- W is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- X is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- Y is the space between the words, word and symbol, or word and pictograph on each line.
- Z is the width of the second word on the first line.
- AA is the width of the pictograph on the second line.
- BB is the width of the word on the second line.
- CC is the distance from the left edge of the word on the third and fourth lines to the left edge of the sign and from the right edge of the changeable legend displays to the right edge of the sign.
- DD is the width of the word on the third and fourth lines.
- EE is the width of the highway marker symbol on the third and fourth lines.
- FF is the space between the highway marker symbol and changeable legend display on the third and fourth lines.

- GG is the distance from the vertical center of the sign to the left edge of the changeable legend display on the third and fourth lines.
- HH is the distance from the vertical center of the sign to the right edge of the changeable legend display on the third and fourth lines.
- JJ is the distance from the horizontal center of each changeable legend display to the top and bottom of the display.
- KK is the distance between the horizontal centers of the changeable legend displays on the third and fourth lines.
- LL is the corner radius.

R3-48a: Priced Managed Lane Toll Rate

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the white 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 words on the first, second, and fifth lines.
- F is the distance from the bottom of the first line to the bottom of the green panel.
- G is the distance from the bottom of the green panel to the top of the word on the second line.
- H is the distance from the bottom of the word on the second line to the top of the first changeable legend display.
- J is the height of each changeable legend display.
- K is the letter height and FHWA standard font for the legend on each changeable legend display.
- L is the space between the changeable legend displays on the third and fourth lines.
- M is the distance from the bottom of the fourth line to the top of the dividing line and from the bottom of the green panel to the top of the pictograph on the second line.
- N is the width of the black border and dividing line.
- P is the inset from the edge of the sign to the black border.
- Q is the distance from the bottom of the highway marker symbol on the fourth line to the top of the dividing line.
- R is the letter height and FHWA standard font for the word on the third and fourth lines.
- S is the height of the highway marker symbols on the third and fourth lines.
- T is the height of the pictograph on the second line.
- U is the height of the green panel.
- V is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- W is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- X is the space between the words, word and symbol, or word and pictograph on each line.
- Y is the width of the word on the first line.
- Z is the width of the pictograph on the second line.
- AA is the width of the word on the second line and of the fourth word on the fifth line.
- BB is the distance from the left edges of the word on the third and fourth lines to the left edge of the sign and from the right edges of the changeable legend displays to the right edge of the sign.
- CC is the width of the word on the third and fourth lines.
- DD is the width of the highway marker symbol on the third and fourth lines.
- EE is the space between the highway marker symbol and the changeable legend display on the third and fourth lines.
- FF is the distance from the vertical center of the sign to the left edge of the changeable legend display on the third and fourth lines.

- GG is the distance from the vertical center of the sign to the right edge of the changeable legend display on the third and fourth lines.
- HH is the distance from the horizontal center of each changeable legend display to the top and bottom of the display and the space between the pictograph, the state highway marker symbol, and the interstate highway marker symbol on the second, third, fourth lines.
- JJ is the distance between the horizontal centers of the changeable legend displays on the third and fourth lines.
- KK is the distance from the top of the last line to the top of the dividing line and from the bottom of the last line to the bottom of the sign.
- LL is the distance from the vertical center of the sign to the left and right edges of the fifth line.
- MM is the width of the first word on the fifth line.
- NN is the width of the second word on the fifth line.
- PP is the distance from the vertical center of the sign to the right edge of the second word on the fifth line.
- QQ is the distance from the vertical center of the sign to the left edge of the third word on the fifth line.
- RR is the width of the third word on the fifth line.
- SS is the corner radius.

R3-51: Part-Time Travel on Shoulder Operation

- 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: No trucks (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the width of the first word.
- H 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: No Trucks or Buses (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and 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: Emergency Stopping Only Other Times (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque.
- F is the letter height and FHWA standard font for the first line.
- G is 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: Part-Time Travel on Shoulder Variable Operation

- 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: Part-Time Travel on Shoulder on Green Arrow

- 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: Part-Time Travel on Shoulder Ends

- 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: Part-Time Travel on Shoulder Ends Advance

- 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: Shoulder Must Exit Advance

- 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: Part-Time Travel on Shoulder Begins Advance

- 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: Begin Exit Lane

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: To Traffic on Shoulder (plaque)

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

R4-1: Do Not Pass

- 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.

R4-2: Pass With Care

- 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.

R4-3: Slower Traffic Keep Right

- 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 and fourth lines.
- J is the distance from the vertical center of the sign to the left edge of the word on the first line.
- K is the distance from the vertical center of the sign to the right edge of the word on the first line.
- L is the 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 edge of the word on the fourth line.
- R is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- S is the corner radius.

R4-4: Begin Right Turn Lane Yield to Bikes

- 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 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 fourth lines.
- K is the letter height and FHWA standard font for the fourth line.
- L is the space between the arrow tip and 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 width of the first word on the second line.
- P is the space between the words.
- 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 width of the third word on the second line.
- T is the distance from the vertical center of the sign to the tip of the arrow.
- U is the length of the arrow.
- V is the width of the arrowhead.
- W is the width of the first word on the fourth line.
- X is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- Y is the distance from the vertical center of the sign to the right edge of the second word on the fourth line.
- Z is the width of the third word on the fourth line.
- AA is the corner radius.

R4-5: Trucks Use Right Lane

- 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 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 edge of the word on the fourth line.
- R is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- S is the corner radius.

R4-7: Keep Right

- 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 sign to the top of the first straight section of the arrow shaft and to the vertex of the angle of the first curve in the arrow shaft.
- G is the distance from the base of the arrow shaft to the bottom of the sign.
- H is the height of the traffic island symbol.
- J is the distance from the top of the traffic island symbol to the top of the sign.
- K is the distance from the vertical center of the traffic island symbol to the left edge of the sign.
- L is the distance from the tip of the arrowhead to the right edge of the sign.
- M is the width of the traffic island symbol.
- N is the radius of the curves that form the left and right edges of the traffic island.
- P is the length of the second straight section of the arrow shaft.
- Q is the radius of the first and second curves in the centerline of the arrow and the distance from the vertex of the angle of the first curve to the centerline of the first straight section of the arrow shaft.
- R is the radius of the curves that form the left and right bottom edges of the traffic island.
- S is the width of the arrowhead.
- T is the sign corner radius.

R4-7a: Keep Right

- 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 third lines.
- G space between the lines.
- H is the height of the arrow symbol on 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 arrow symbol on the second line.
- M is the distance from the vertical center of the sign to the right edge of the arrow symbol 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.

R4-7b: Keep Right

- 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 third lines.
- G is the distance from the bottom of the first line to the top of the arrow symbol.
- H is the distance from the bottom of the arrow symbol to the top of the third line.
- J is the distance from the vertical center of the sign to the left edge of the word on the first line.
- K is the distance from the vertical center of the sign to the right edge of the word on the first line.
- L is the length of the arrow on the second line.
- M is the width of the arrowhead 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.

R4-7c: Narrow Keep Right

- 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 and from the base of the arrow shaft to the bottom of the sign.
- F is the distance from the end of the first straight section of the arrow to the tip of the arrowhead.
- G is the length of the first straight section of the arrow shaft and the distance from the bottom of the arrow to the vertex of the angle of the first curve in the arrow shaft.
- H is the height of the traffic island symbol.
- J is the distance from the top of the traffic island symbol to the top of the sign.
- K is the distance from the vertical center of the traffic island symbol to the left edge of the sign and to the vertex of the angle of the second curve of the arrow shaft.
- L is the distance from the tip of the arrowhead to the right edge of the sign.
- M is the width of the traffic island symbol.
- N is the radius of the curves that form the right and left edges of the traffic island symbol.
- P is the length of the second straight section of the arrow shaft.
- Q is the radius of the first and second curves in the centerline of the arrow and the distance from the vertex of the angle of the first curve to the centerline of the first straight section of the arrow shaft.
- R is the radius of the curves that form the right and left bottom edges of the traffic island and the distance from the bottom of the traffic island to the vertex of the angle of the second curve of the arrow shaft.
- S is the width of the arrow shaft.
- T is the width of the arrowhead.
- U is the corner radius.

R4-8: Keep Left

- 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 sign to the top of the first straight section of the arrow shaft and to the vertex of the angle of the first curve in the arrow shaft.
- G is the distance from the base of the arrow shaft to the bottom of the sign.
- H is the height of the traffic island symbol.
- J is the distance from the top of the traffic island symbol to the top of the sign.
- K is the distance from the vertical center of the traffic island symbol to the right edge of the sign.
- L is the distance from the tip of the arrowhead to the left edge of the sign.
- M is the width of the traffic island symbol.
- N is the radius of the curves that form the left and right edges of the traffic island.
- P is the length of the second straight section of the arrow shaft.
- Q is the radius of the first and second curves in the centerline of the arrow and the distance from the vertex of the angle of the first curve to the centerline of the first straight section of the arrow shaft.
- R is the radius of the curves that form the left and right bottom edges of the traffic island.
- S is the width of the arrowhead.
- T is the sign corner radius.

R4-8a: Keep Left

- 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 third lines.
- G space between the lines.
- H is the height of the arrow symbol on 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 arrow symbol on the second line.
- M is the distance from the vertical center of the sign to the right edge of the arrow symbol 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.

R4-8b: Keep Left

- 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 words on the first and third lines.
- G is the distance from the bottom of the first line to the top of the arrow symbol.
- H is the distance from the bottom of the arrow symbol to the top of the third line.
- J is the distance from the vertical center of the sign to the left edge of the word on the first line.
- K is the distance from the vertical center of the sign to the right edge of the word on the first line.
- L is the length of the arrow on the second line.
- M is the width of the arrowhead 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.

R4-8c: Narrow Keep Left

- 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 arrow to the top of the sign and from the base of the arrow shaft to the bottom of the sign.
- F is the distance from the beginning of the first curve in the arrow shaft to the tip of the arrow.
- G is the distance from the base of the arrow shaft to the beginning of the first curve in the arrow shaft.
- H is the height of the island symbol.
- J is the distance from the top of the island symbol to the top of the sign.
- K is the distance from the vertical center of the island symbol to the right edge of the sign.
- L is the distance from the tip of the arrowhead to the left edge of the sign.
- M is the width of the island symbol.
- N is the major radius of the curve in the left and right edges of the island. This curve subtends an angle of 18.43 degrees.
- P is the distance from the end of the second curve in the arrow shaft to the base of the arrowhead.
- Q is the radius of each curve in the arrow shaft. Each curve subtends an angle of 36.88 degrees.
- R is the distance from the center of the left and right minor curves in the island ellipse to the bottom of the island symbol. Each minor curve in the ellipse subtends an angle of 71.25 degrees.
- S is the width of the arrow shaft.
- T is the width of the arrowhead.
- U is the corner radius.

R4-9: Stay in Lane

- 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 word on the first line.
- J is the distance from the vertical center of the sign to the left edge of the word on the second line.
- K is the distance from the vertical center of the sign to the right edge of the word on the second line.
- L is the distance from the vertical center of the sign to the left edge of the word on the third line.
- M is the distance from the vertical center of the sign to the right edge of the word on the third line.
- N is the corner radius.

R4-10: Runaway Vehicles Only

- 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 each line.
- F is the space between the lines.
- G is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- H is the distance from the vertical center of the sign to the left edge of the word on the second line.
- J is the distance from the vertical center of the sign to the right edge of the word on the second line.
- K is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- L is the corner radius.

R4-12: Slow Vehicles With XX or More Following Vehicles Must Use Turn-Out

- 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, third, and fourth lines.
- J is the space between the second, third, and fourth lines.
- K is the distance from the bottom of the fourth line to the bottom of the sign.
- L is the width of the first word on the first line.
- M is the space between the 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 width of the first word on the second line.
- R is the space between each word and number on the second line.
- S is the width of the number 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 distance from the vertical center of the sign to the right edge of the second word on the second line.
- V is the width of the third word on the second line.
- W is the width 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 distance from the vertical center of the sign to the left edge of the second word on the third line.
- Z is the width of the second word on the third line.
- AA is the width of the first word on the fourth line.
- BB is the space between the first and second words on the fourth line.
- CC is the width of the second word on the fourth line.
- DD is the distance from the vertical center of the sign to the right edge of the second word on the fourth line.
- EE is the distance from the vertical center of the sign to the left edge of the third word on the fourth line.
- FF is the width of the third word on the fourth line.
- GG is the space between the third word and the hyphen on the fourth line.
- HH is the width of the hyphen on the fourth line.
- JJ is the space between the hyphen and the fourth word on the fourth line.
- KK is the width of the fourth word on the fourth line.
- LL is the corner radius.

R4-13: Slow Vehicles Must Use Turn-Out Ahead

- 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 on the first and second lines.
- G is the space between the lines.
- H is the letter height and FHWA standard font on the third line.
- J is the width of the first word on the first line.
- K is the space between the words on the first line.
- L is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- M is the distance from the vertical center of the sign 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 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 width of the first word on the third line.
- T is the space between the first word and the hyphen on the third line.
- U is the width of the hyphen on the third line.
- V is the space between the hyphen and the second word 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 space between the second and third words on the third line.
- Z is the width of the third word on the third line.
- AA is the corner radius.

R4-14: Slow Vehicles Must Turn Out

- 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, second, and fourth lines.
- G is the space between the lines of words.
- H is the letter height and FHWA standard font for the third line.
- J is the distance from the bottom of the fourth line to the arrowhead tip.
- K is the distance from the arrowhead tip 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 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 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 edge of the first word on the fourth line.
- R is the distance from the vertical center of the sign to the right edge of the first word on the fourth line.
- S is the space between words on the fourth line.
- T is the width of the second word on the fourth line.
- U is the length of the arrow.
- V is the width of the arrowhead.
- W is the corner radius.

R4-16: Keep Right Except to Pass

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

R4-17: Do Not Drive on Shoulder

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- F is the letter height and FHWA standard font on the first and second lines.
- G is the space between the lines.
- H is the letter height and FHWA standard font on the third line.
- J is the letter height and FHWA standard font on 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.

R4-18: Do Not Pass on Shoulder

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign 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: Bicycle Passing Clearance

- 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: All Traffic

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: Right (Left) Turn Only – 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: Right (Left) Turn Only – 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.

R5-1: Do Not Enter

- A is the length of each edge of the sign.
- B is the distance from the top of the first line to the top of the sign and the distance from the bottom of the last line to the bottom of the sign.
- C is the letter height and FHWA standard font for each line.
- D is the distance from the bottom of the first line to the bottom edge of the top panel and from the top of the second line to the top edge of the bottom panel.
- E is the height of the white gap between the top and bottom panels.
- F is the radius of the outer edge of the circle.
- G is the radius of the inner edge of the circle.
- H is the width of the first word on the first line.
- J is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- K is the 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 edge of the word on the second line.
- N is the distance from the vertical center of the sign to the right edge of the word on the second line.
- P is the corner radius.

R5-1a: Wrong Way

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- 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 each line.
- F is the space between the lines.
- G is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- H is the distance from the vertical center of the sign to the left edge of the word on the second line.
- J is the distance from the vertical center of the sign to the right edge of the word on the second line.
- K is the corner radius.

R5-1b: Bicycle Wrong Way

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

R5-2: No Trucks

- 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 circle to the top of the sign and from the bottom of the circle to the bottom of the sign.
- E is the distance from the top of the circle to the top of the truck symbol.
- F is the height of the truck symbol.
- G is the distance from the bottom of the truck symbol to the bottom of the circle.
- H is the distance from the vertical center of the sign to the left edge of the truck symbol.
- J is the distance from the vertical center of the sign to the right edge of the truck symbol.
- K is the width of the red diagonal line and the linewidth of the open circle.
- L is the corner radius.

R5-2aP: Except Local Delivery (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second line.
- J is the 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: No Thru Trucks

- 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.

R5-3: No Motor Vehicles

- 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 line.
- F is the space between the lines.
- 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 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 corner radius.

R5-4: No Commercial Vehicles

- 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 edge of the word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the word on the first line.
- M is the distance from the vertical center of the sign to the left edge of the word on the second line.
- N is the distance from the vertical center of the sign to the right edge of the word on the second line.
- P is the distance from the vertical center of the sign to the left edge of the word on the third line.
- Q is the distance from the vertical center of the sign to the right edge of the word on the third line.
- R is the corner radius.

R5-5: No Vehicles with Lugs

- 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 edge of the word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the word on the first line.
- M is the distance from the vertical center of the sign to the left edge of the word on the second line.
- N is the distance from the vertical center of the sign to the right edge of the word on the second line.
- P is the width 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 distance from the vertical center of the sign to the left edge of the second word on the third line.
- S is the width of the second word on the third line.
- T is the corner radius.

R5-6: No Bicycles

- 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 circle to the top of the sign and from the bottom of the circle to the bottom of the sign.
- E is the distance from the top of the circle to the top of the bicycle symbol.
- F is the height of the bicycle symbol.
- G is the distance from the bottom of the bicycle symbol to the bottom of the circle.
- H is the distance from the vertical center of the sign to the left edge of the bicycle symbol.
- J is the distance from the vertical center of the sign to the right edge of the bicycle symbol.
- K is the width of the red diagonal line and the linewidth of the open circle.
- L is the corner radius.

R5-7: No Non-Motorized Traffic

- 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 edge of the word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the word on the first line.
- M is the width of the first word on the second line.
- N is the space between the hyphen and the words on the second line.
- P is the width of the hyphen.
- 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 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 corner radius.

R5-8: No Motor-Driven Cycles

- 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 edge of the word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the word on the first line.
- M is the width of the first word on the second line.
- N is the space between the first word and the hyphen on the second line.
- P is the distance from the vertical center of the sign to the left edge of the hyphen on the second line.
- Q is the distance from the vertical center of the sign to the right edge of the hyphen on the second line.
- R is the space between the hyphen and 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 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 corner radius.

R5-10: No Pedestrians, Bicycles, Motor-Driven Cycles

- 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 fifth 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 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 width of the first word on the fourth line.
- Q is the space between the first word and the the hyphen on the fourth line.
- R is the distance from the vertical center of the sign to the left edge of the hyphen on the fourth line.
- S is the distance from the vertical center of the sign to the right edge of the hyphen on the fourth line.
- T is the space between the hyphen and the second word on the fourth line.
- U is the width of the second word on the fourth line.
- V is the distance from the vertical center of the sign to the left edge of the word on the fifth line.
- W is the distance from the vertical center of the sign to the right edge of the word on the fifth line.
- X is the corner radius.

R5-10a: No Pedestrians, Bicycles, Motor-Driven Cycles on Freeway

- 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.

R5-10b: No Pedestrians or Bicycles

- 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 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 width of the first word on the third line.
- M is the space between the words on the third line.
- N is the distance from the vertical center of the sign to the left edge of the second 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

R5-10c: No Pedestrians

- 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 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 corner radius.

R5-10dP: On Freeway (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the width of the first word.
- H is the space between the 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.

R5-11: Authorized Vehicles Only

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

R5-12: No Thru Traffic

- 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.

R6-1: One Way

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the arrowhead to the top of the sign and from the bottom of the arrowhead to the bottom of the sign.
- E is the distance from the top of the arrow shaft to the top of the arrowhead and from the bottom of the arrow shaft to the bottom of the arrowhead.
- F is the space from the top of the line to the top of the arrow shaft and from the bottom of the line to the bottom of the arrow shaft.
- G is the letter height and FHWA standard font for the line.
- H is the distance from the left edge of the sign to the base of the arrow shaft.
- J is the distance from the base of the arrow shaft to the left edge of the first word on the line.
- K is the width of the first word on the line.
- L is the space between the words on the line.
- M is the width of the second word on the line.
- N is the distance from the right edge of the second word on the line to the arrow tip.
- P is the distance from the tip of the arrowhead to the right edge of the sign.
- Q is the width of the arrow shaft.
- R is the kerning width between the “A” and the “Y” in the second word on the line.
- S is the width of the arrowhead.
- T is the corner radius.

R6-2: One Way

R6-2R

- 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 words.
- G is the space between the lines.
- H is the height of the arrow symbol.
- J is the distance from the vertical center of the sign to the left edge of the word on the first line.
- K is the distance from the vertical center of the sign to the right edge of the word on the first line.
- L is the distance from the vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.
- N is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- P is the corner radius.

R6-2L

- 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 height of the arrow symbol.
- J is the distance from the vertical center of the sign to the left edge of the word on the first line.
- K is the distance from the vertical center of the sign to the right edge of the word on the first line.
- L is the distance from the vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.
- N is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- P is the corner radius.

R6-3: Divided Highway Crossing

- 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 third lines.
- G is the space between the symbol and the first line.
- H is the distance from the top of the vertical line to the upper barb of the bottom arrow in the symbol.
- J is the width of each arrowhead in the symbol.
- K is the space between the symbol and the third line.
- L is the distance from the bottom of the vertical line of the symbol to the bottom of the sign.
- M is the distance from the bottom of the lower barb of the top arrowhead to the bottom of the vertical line of the symbol.
- 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 tip of each arrowhead in the symbol.
- Q is the distance from the vertical center of the sign to the base of each arrow shaft in the symbol.
- R is the radius of the fillet in the lower left corner of the top intersection and in the lower right corner of the bottom intersection.
- 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 corner radius.

R6-3a: Divided Highway Crossing

- 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 third lines.
- G is the distance from the bottom of the first line to the upper barb of the bottom arrow in the symbol.
- H is the width of each arrowhead in the symbol.
- J is the space between the symbol and the third line.
- K is the distance from the bottom of the vertical line of the symbol to the bottom of the sign.
- L is the distance from the bottom of the lower barb of the top arrowhead to the bottom of the vertical line of the symbol.
- 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 tip of each arrowhead in the symbol.
- P is the distance from the vertical center of the sign to the base of each arrow shaft in the symbol.
- Q is the radius of the fillet in the lower left corner of the top intersection and in the lower right corner of the bottom intersection.
- 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.

R6-5P: Roundabout Circulation (plaque)

- 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 symbol to the top of the plaque and from the left edge of the symbol to the left edge of the plaque.
- E is the distance from the horizontal center of the plaque to the top of the symbol and from the vertical center of the plaque to the left edge of the symbol.
- F is the distance from the horizontal center of the plaque to the bottom of the symbol.
- G is the distance from the bottom of the symbol to the bottom of the plaque.
- H is the distance from the vertical center of the plaque to the right edge of the symbol.
- J is the distance from the right edge of the symbol to the right edge of the plaque.
- K is the distance up and to the left from the center of the plaque to the center of the symbol.
- L is the corner radius.

R6-6: Begin One Way

- 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 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 corner radius.

R6-7: End One Way

- 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.

R7-1: No Parking Any Time

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

R7-2: No Parking (Part-Time)

- 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 red circle to the top of the sign.
- F is the distance from the top of the circle to the top of the letter “P” and from the bottom of the letter “P” to the bottom of the circle.
- G is the letter height and FHWA standard font for the letter “P.”
- H is the distance from the bottom of the circle to the top of the first line.
- J is the letter height and FHWA standard font for each line.
- K is the space between the 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 letter “P.”
- N is the distance from the vertical center of the sign to the right edge of the letter “P.”
- P is the radius of the outer edge of the circle.
- Q is the radius of the inner edge of the circle.
- R is the space between the words and the width of the red diagonal line within the circle.
- S is the width of the words on the first line and the width of the second and third words on the second line.
- T is the width of the first word on the second line.
- U is the corner radius.

R7-2a: No Parking (Part-Time)

- 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 and fourth lines.
- L is the space between the fourth and fifth lines.
- M is the height of the arrowhead.
- N is the distance from the bottom of the arrow to the bottom of the sign.
- P is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- Q is the distance from the vertical center of the sign to the left edge of the word on the second line.
- R is the distance from the vertical center of the sign to the right edge 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 third line.
- T is the distance from the vertical center of the sign to the left edge of the first word on the third line.
- U is the space between the words on the third and fourth lines.
- V is the width of the second word on the third line.
- W is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- X is the width of the first word on the fourth line.
- Y is the width of the second word on the fourth line.
- Z is the width of the third 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.

R7-3: No Parking Except Sundays and Holidays

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

R7-4: No Standing Any Time

- 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 width of the arrowhead.
- 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 line.
- J is the letter height and FHWA standard font for the third and fourth lines.
- K is the space between the fourth line and the arrow symbol.
- 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 tips of the arrowheads.
- S is the corner radius.

R7-4a: No Stopping Any Time

- 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.

R7-5: Parking Permitted (Time Limit)

- 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, the height of the arrow symbol, 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 each line of words.
- G is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- H is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- J is the distance from the vertical center of the sign to the left edge of the word on the third line.
- K is the distance from the vertical center of the sign to the right edge of the word on the third line.
- L is the distance from the vertical center of the sign to the left and right tips of the arrowheads.
- M is the corner radius.

R7-6: No Parking Loading Zone

- 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, fourth, and fifth lines.
- M is the width of the arrowheads.
- N is the distance from the bottom of the arrow symbol to the bottom of the sign.
- P is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- Q is the distance from the vertical center of the sign to the left edge of the word on the second line.
- R is the distance from the vertical center of the sign to the right edge 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 distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- V is the distance from the vertical center of the sign to the left and right tips of the arrowheads.
- W is the corner radius.

R7-8: Reserved Parking – Accessible

- 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 and the space between the second line and blue panel.
- H is the height of the blue panel.
- J is the space between the panel and the arrow.
- K is the width of each arrowhead.
- 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 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 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 vertical center of the sign to the left and right edges of the blue panel.
- S is the panel corner radius.
- T is the distance from the vertical center of the sign to the left and right tips of the arrowheads.
- U is the sign corner radius.

R7-8aP: Van Accessible (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the.
- 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.
- K is the distance from the vertical center of the plaque to the left and right edges of the first word.
- L is the distance from the vertical center of the plaque to the left and right edges of the second word.
- M is the corner radius.

R7-9: No Parking Bike Lane

- 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 second word on the first line to the top of the sign.
- F is the letter height and FHWA standard font for the second word on 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 and the space between the second and third lines.
- 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 and third lines.
- K is the distance from the bottom of the last line to the bottom of the sign.
- L is the letter height and FHWA standard font for the first word on the first line.
- M is the distance from the top of the first word on the first line to the top of the sign.
- N is the width of the first word on the first line.
- P is the space between the words 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 distance from the vertical center of the sign to the right edge of the second word on the first line.
- S is the distance from the right edge of the red panel to the left edge of the sign.
- T is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- U is the distance from the vertical center of the sign to the left edge of the word on the third line.
- V is the distance from the vertical center of the sign to the right edge of the word on the third line.
- W is the corner radius.

R7-9a: No Parking Bike Lane

- 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 and from the bottom of the last line to the bottom of the sign.
- F is the distance from the top of the circle to the top of the letter “P.”
- G is the letter height and FHWA standard font for the letter “P.”
- H is the distance from the bottom of the letter “P” to the bottom of the circle.
- J is the space between the circle, the second line, and the third line.
- K is the letter height and FHWA standard font for the second and third lines.
- L is the distance from the vertical center of the sign to the left edge of the letter “P.”
- M is the distance from the vertical center of the sign to the right edge of the letter “P.”
- N is the radius of the outer edge of the circle.
- P is the radius of the inner edge of the circle.
- Q is the width of the diagonal line in the circle.
- R is the distance from the vertical center of the sign to the left edge of the 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 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 corner radius.

R7-10: Back-In Parking

- 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.

R7-20: Parking Fee Station, Multispace Meter

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the sign border width.
- D is the inset from the inner edge of the sign border to the adjacent edge of each white panel and the space between the panels.
- 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 distance from the top of the right panel to the top of the arrow symbol.
- K is the length of the arrow.
- L is the distance from the tip of the arrow to the bottom of the sign.
- M is the distance from the bottom of the symbol on the left panel to the bottom of the sign.
- N is the height of the symbol on the left panel.
- P is the width of the white border on the left panel and from the vertical center of the arrow to the left edge of the number on the first line.
- Q is the distance from the vertical center of the arrow symbol to the right edge of the number on the first line.
- R is the distance from the vertical center of the arrow symbol to the left and right edges of the word on the second line.
- S is the width of the symbol on the left panel.
- T is the distance from the left edge of the arrowhead to the left edge of the right panel.
- U is the width of the arrowhead.
- V is the distance from the right edge of the arrowhead to the right edge of the right panel.
- W is the corner radius.

R7-21: Metered Parking

- 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 and second line.
- G is the space between the first and second lines.
- H is the distance from the bottom of the second line to the top edge of the dividing line.
- J is the distance from the bottom edge of the dividing line to the top of the third line and the space between the lines on the green panel.
- K is the letter height and FHWA standard font for the third, fourth, and fifth lines and the distance from the top of the first line on the green panel to the top of the sign.
- L is the space between the third, fourth, and fifth lines.
- 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 second line on the green panel.
- Q is the letter height and FHWA standard font for the first line on the green panel.
- R is the width of the number on the first line of the green panel.
- S is the distance from the right edge of the number on the panel to the right edge of the 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 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 vertical center of the sign to the left edge of the word on the second line.
- W is the distance from the vertical center of the sign to the right edge of the word on the second line.
- X is the distance from the right edge of the panel to the left edge of the sign and the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- Y is the width of the word on the second line of the green panel.
- Z is the distance from the right edge of the word on the second line of the green panel to the right edge of the panel.
- 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 fourth line.
- CC is the width of the first word on the fourth line.
- DD is the space between the words on the fourth line.
- EE is the width of the second word on the fourth line.
- FF is the distance from the vertical center of the sign to the left and right edges of the word on the fifth line.

- GG is the corner radius.

R7-21aP: Mobile Parking Payment (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the first 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.

R7-22: Metered Parking

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

R7-107: No Parking Bus Stop

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

R7-107a: No Parking Bus Stop

- 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 third line.
- F is the height of the bus symbol on the first line.
- G is the space between the first and second lines.
- H is the distance from the top of the symbol to the top of the letter “P” on the second line.
- J is the letter height and FHWA standard font for the letter “P” on the second line.
- K is the distance from the bottom of the letter “P” to the bottom of the symbol on the second line.
- L is the space between the second and third 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 letter “P” on the second line.
- P is the distance from the vertical center of the sign to the right edge of the letter “P” on the second line.
- Q is the width of the diagonal line and circle on the second line.
- R is the distance from the vertical center of the sign to the left and right edges of the arrow symbol on the third line.
- S is the corner radius.

R7-107b: No Parking Bus Stop (with transit pictograph)

- 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.

R7-108: Parking Allowed (Time Limit, Part-Time)

- 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 third, fourth, and fifth 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 word 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 word on the second line.
- J is the distance from the bottom of the second line to the top edge of the dividing 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 and fourth lines.
- M is the width of the arrowheads.
- 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 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 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 distance from the left edge of the sign to the right edge of the green panel.
- X is the distance from the vertical center of the sign to the left and right edges of the third line.
- Y is the width of each word on the third line and the second and third words on the fourth line.
- Z is the space between the words on the third and fourth lines.
- AA is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- BB is the width of the first word on the fourth line.
- CC is the distance from the vertical center of the sign to the tip of each arrowhead on the fifth line.
- DD is the corner radius.

R7-111: No Parking Except Electric Vehicles

- 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: No Parking Except Electric Vehicles (Part-Time)

- 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: Electric Vehicle Parking (Time Limit)

- 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. M 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: Electric Vehicle Parking (Time Limit, Part-Time)

- 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: Electric Vehicle Parking (Time Limit, Part-Time)

- 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: No Parking Except While Charging

- 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: Vehicle Must be Plugged In (plaque)

- A is the horizontal dimension of the plaque
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the distance from the vertical center of the plaque to the left edge of the 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: Vacate Stall When Charging Completed (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the width of the first word on the first line.
- J is the distance from the vertical center of the plaque to the right edge of the first word on the first line.
- K is the distance from the vertical center of the plaque to the left edge of the 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: Vehicle Charging Only (Time Limit)

- 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: Vehicle Charging Only (Time Limit, Part-Time)

- 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: Vehicle Charging Only (Time Limit, Part-Time)

- 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.

R7-200: No Parking/Restricted Parking (combined sign) – 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 each border.
- D is the width of each border.
- E is the distance from the top of the first line of the right sign to the top of the sign.
- F is the letter height and FHWA standard font for the first, second, and third lines on the right sign.
- G is the space between the lines of words on the right sign.
- H is the letter height and FHWA standard font for the fourth line of the right sign and for the third line of the left sign.
- J is the space between the fourth and fifth lines on the right sign.
- K is the height of the double arrow symbol on the last line of each sign.
- L is the distance from the bottom of the last line of each sign to the bottom of the sign and the corner radius.
- M is the space between the second, third, and fourth lines on the left sign.
- N is the letter height and FHWA standard font for the second line on the left sign.
- P is the space between the first and second lines on the left sign.
- Q is the letter height and FHWA standard font for the first line on the left sign.
- R is the distance from the top of the first line on the left sign to the top of the sign.
- S is the distance from the vertical center of the left sign to the left and right edges of the word on the first line.
- T is the distance from the vertical center of the left sign to the left and right edges of the word on the second line.
- U is the width of the words on the third line of the left sign and on the fourth line of the right sign.
- V is the width of the hyphen and the space between the hyphen and each word on the third line of the left sign and on the fourth line of the right sign.
- W is the distance from the vertical centers of each sign to the left and right tips of the double arrow on the last line.
- X is the distance from the vertical center of the right sign to the left and right edges of the word on the first line.
- Y is the distance from the vertical center of the right sign to the left and right edges of the word on the second line.
- Z is the distance from the vertical center of the right sign to the left edge of the word on the third line.
- AA is the distance from the vertical center of the right sign to the right edge of the word on the third line.

R7-200: No Parking/Restricted Parking (combined sign) – 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 each border.
- D is the width of each border.
- E is the distance from the top of the first line of the right sign to the top of the sign.
- F is the letter height and FHWA standard font for the first, second, and third lines on the right sign and for the third and fourth lines of the left sign.
- G is the space between the first, second, third, and fourth lines on the right sign.
- H is the letter height and FHWA standard font for the fourth line of the right sign.
- J is the space between the fourth and fifth lines of each sign.
- K is the height of the arrow symbol on the last line of each sign.
- L is the distance from the bottom of the last line of each sign to the bottom of the sign and the corner radius.
- M is the space between the first, second, third, and fourth lines on the left sign.
- N is the letter height and FHWA standard font for the second line on the left sign.
- P is the letter height and FHWA standard font for the first line on the left sign.
- Q is the distance from the top of the first line on the left sign to the top of the sign.
- R is the distance from the vertical center of the left sign to the left and right edges of the word on the first line.
- S is the distance from the vertical center of the left sign to the left and right edges of the word on the second line.
- T is the distance from the vertical center of the left sign to the left and right edges of the word on the third line.
- U is the distance from the vertical center of the left sign to the left and right edges of the word on the fourth line.
- V is the distance from the vertical center of each sign to the left and right edges of the arrow symbol on the last line.
- W is the distance from the vertical center of the right sign to the left and right edges of the word on the first line.
- X is the distance from the vertical center of the right sign to the left and right edges of the word on the second line.
- Y is the distance from the vertical center of the right sign to the left edge of the word on the third line.
- Z is the distance from the vertical center of the right sign to the right edge of the word on the third line.
- AA is the width of the words on the fourth line of the right sign.
- BB is the width of the hyphen and the space between the hyphen and each word on the fourth line of the right sign.

R7-200a: No Parking/Restricted Parking (combined sign) – 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 each border.
- D is the border width.
- E is the distance from the top of the first line of the top section to the top of the sign.
- F is the letter height and FHWA standard font for the first line of the top section.
- G is the space between the lines of words in the top section.
- H is the letter height and FHWA standard font for the second line of the top section.
- J is the letter height and FHWA standard font for the third and fourth lines of the top section and the first, second, and third lines of the bottom section.
- K is the space between the fourth and fifth lines for both sections.
- L is the height of the arrow symbol in each section.
- M is the distance from the bottom of the last line of the top section to the horizontal center of the sign and from the bottom of the last line of the bottom section to the bottom of the sign.
- N is the distance from the horizontal center of the sign to the top of the first line of the bottom section.
- P is the space between the lines of words in the bottom section.
- Q is the letter height and FHWA standard font for the fourth line of the bottom section.
- R is the distance from the vertical center of the sign to the left and right edges of the word on the first line of the top section.
- S is the distance from the vertical center of the sign to the left and right edges of the word on the second line of the top section.
- T is the distance from the vertical center of the sign to the left and right edges of the word on the third line of the top section.
- U is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line of the top section.
- V is the width of the arrow shaft in each section.
- W is the distance from the vertical center of the sign to the left and right edges of the arrow symbol in each section.
- X is the distance from the vertical center of the sign to the left and right edges of the word on the first line of the bottom section.
- Y is the distance from the vertical center of the sign to the left and right edges of the word on the second line of the bottom section.
- Z is the distance from the vertical center of the sign to the left edge of the word on the third line of the bottom section.
- AA is the distance from the vertical center of the sign to the right edge of the word on the third line of the bottom section.
- BB is the distance from the vertical center of the sign to the left and right edges of the words on the fourth line of the bottom section.
- CC is the corner radius.

R7-200a: No Parking/Restricted Parking (combined sign) – 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 each border.
- D is the border width.
- E is the distance from the top of the first line of the top section to the top of the sign.
- F is the letter height and FHWA standard font for the first line of the top section.
- G is the space between the first and second lines of the top section.
- H is the letter height and FHWA standard font for the second line of the top section.
- J is the space between the second, third, fourth lines of the top section.
- K is the letter height and FHWA standard font for the last line of words in each section.
- L is the height of the last line of each section.
- M is the distance from the bottom of the arrowheads in the top section to the horizontal center of the sign and from the bottom of the arrowheads in the bottom section to the bottom of the sign.
- N is the distance from the horizontal center of the sign to the top of the first line of the bottom section.
- P is the letter height and FHWA standard font for the first, second, and third lines of the bottom section.
- Q is the space between the lines of words in the bottom section.
- R is the space between the fourth and fifth lines of the bottom section.
- S is the distance from the vertical center of the sign to the left and right edges of the word on the first line of the top section.
- T is the distance from the vertical center of the sign to the left and right edges of the word on the second line of the top section.
- U is the distance from the vertical center of the sign to the left and right edges of the word on the last line of words in each section.
- V is the width of the arrow shafts.
- W is the distance from the vertical center of the sign to the left and right tips of the arrowheads in each section.
- X is the distance from the vertical center of the sign to the left and right edges of the word on the first line of the bottom section.
- Y is the distance from the vertical center of the sign to the left and right edges of the word on the second line of the bottom section.
- Z is the distance from the vertical center of the sign to the left edge of the word on the third line of the bottom section.
- AA is the distance from the vertical center of the sign to the right edge of the word on the third line of the bottom section.
- BB is the corner radius.

R7-201P: Tow Away Zone (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the tow truck to the top of the plaque and the corner radius.
- F is the height of the tow truck.
- G is the distance from the bottom of the tow truck to the bottom of the plaque and from the vertical center of the plaque to the left edge of the tow truck bed.

R7-201aP: Tow Away Zone (plaque)

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

R7-202P: This Side of Sign (plaque)

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

R7-203: Snow Emergency Route

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

- GG is the width of the first word on the seventh line.
- HH is the width of the hyphen and the space between the hyphen and the first and second words on the seventh line.
- JJ is the distance from the vertical center of the sign to the left edge of the second word on the seventh line.
- KK is the distance from the vertical center of the sign to the right edge of the second word on the seventh line.
- LL is the width of the third word on the seventh line.
- MM is the corner radius.

R8-1: No Parking on Pavement

- 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 first, second, and third 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 space between the third and fourth lines.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 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 corner radius.

R8-2: No Parking Except on Shoulder

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign 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, second, and third 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 space between the third and fourth lines.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 first word on the third line.
- R is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- S is the space between the words on the third line.
- T is the width of the second word on the third line.
- U is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- V is the corner radius.

R8-3: No Parking (symbol)

- 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 red circle to the top of the sign and the distance from the bottom of the red circle to the bottom of the sign.
- E is the distance from the top of the letter to the top of the sign and from the bottom of the letter to the bottom of the sign.
- F is the letter height and FHWA standard font for the letter “P.”
- G is the distance from the vertical center of the sign to the left edge of the letter “P.”
- H is the distance from the vertical center of the sign to the right edge of the letter “P.”
- J is the line width of the red diagonal line and circle.
- K is the corner radius.

R8-3a: No Parking

- 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 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 corner radius.

R8-3c: On Pavement

- 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 red circle to the top of the sign.
- F is the distance from the top of the circle to the top of the letter “P” and from the bottom of the letter “P” to the bottom of the circle.
- G is the letter height and FHWA standard font for the letter “P.”
- H is the distance from the bottom of the circle to the top of the first line.
- J is the letter height and FHWA standard font for the first line.
- K is the space between the lines.
- L is the letter height and FHWA standard font for the second line.
- M is the distance from the bottom line to the bottom of the sign.
- N is the distance from the vertical center of the sign to the left edge of the letter “P.”
- P is the distance from the vertical center of the sign to the right edge of the letter “P.”
- Q is the line width of the red diagonal line and circle.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance from the vertical center of the sign to the left edge of the 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 corner radius.

R8-3d: On Bridge

- 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 red circle to the top of the sign.
- F is the distance from the top of the circle to the top of the letter “P” and from the bottom of the letter “P” to the bottom of the circle.
- G is the letter height and FHWA standard font for the letter “P.”
- H is the distance from the bottom of the circle to the top of the first line.
- J is the letter height and FHWA standard font for the lines.
- K is the space between the lines.
- L is the distance from the bottom line to the bottom of the sign.
- M is the distance from the vertical center of the sign to the left edge of the letter “P.”
- N is the distance from the vertical center of the sign to the right edge of the letter “P.”
- P is the line width of the red diagonal line and circle.
- Q is the distance from the vertical center of the sign to the left edge of the word on the first line.
- R is the distance from the vertical center of the sign to the right edge 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 corner radius.

R8-3e: On Tracks

- 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 red circle to the top of the sign.
- F is the distance from the top of the circle to the top of the letter “P” and from the bottom of the letter “P” to the bottom of the circle.
- G is the letter height and FHWA standard font for the letter “P.”
- H is the distance from the bottom of the circle to the top of the first line.
- J is the letter height and FHWA standard font for the first line.
- K is the space between the lines.
- L is the letter height and FHWA standard font for the second 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 edge of the letter “P.”
- P is the distance from the vertical center of the sign to the right edge of the letter “P.”
- Q is the linewidth of the red diagonal line and circle.
- R is the distance from the vertical center of the sign to the left edge of the word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the word on the first line.
- T is the distance from the vertical center of the sign to the left edge of the 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 corner radius.

R8-3f: Except on Shoulder

- 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 circle to the top of the sign.
- F is the distance from the top of the letter “P” to the top of the circle and the from the bottom of the letter “P” to the bottom of the circle.
- G is the letter height and FHWA standard font for the letter “P”.
- H is the space between the circle and the first line and the space between the lines.
- J is the letter height and FHWA standard font for the 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 letter “P”.
- M is the distance from the vertical center of the sign to the right edge of the letter “P”.
- N is the width of the diagonal line and the circle.
- P is the distance from the vertical center of the sign to the left edge 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 space between the words 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 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 corner radius.

R8-4: Emergency Parking Only

- 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 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 edges of the word on the third line.
- N is the corner radius.

R8-5: No Stopping on Pavement

- 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 first, second, and third 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 space between the third and fourth lines.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 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 corner radius.

R8-6: No Stopping Except on Shoulder

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign 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, second, and third 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 space between the third and fourth lines.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 first word on the third line.
- R is the distance from the vertical center of the sign to the right edge of the first word on the third line.
- S is the space between the words on the third line.
- T is the width of the second word on the third line.
- U is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- V is the corner radius.

R8-7: Emergency Stopping Only

- 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 word on the first line.
- K is the distance from the vertical center of the sign to the right edge of the word on the first line.
- L is the distance from the vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.
- N is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- P is the corner radius.

R8-8: Do Not Stop on Tracks

- 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 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 sign to the left edge of the second word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- M is the distance from the vertical center of the sign to the left edge of the word on the second line.
- N is the distance from the vertical center of the sign to the right edge of the word on the second line.
- P is the distance from the vertical center of the sign to the left edge of the word on the third line.
- Q is the distance from the vertical center of the sign to the right edge of the word on the third line.
- R is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- S is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- T is the corner radius.

R8-9: Tracks Out of Service

- 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 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.
- E is the letter height and FHWA standard font for each line.
- F is the distance from the vertical center of the sign to the left edge of the word on the first line.
- G is the distance from the vertical center of the sign to the right edge of the word on the first line.
- H is the distance from the vertical center of the sign to the left edge of the first word on the second line.
- J is the distance from the vertical center of the sign to the right edge of the first word on the second line.
- K is the space between the words on the second line.
- L is the width of the second 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.

R8-10: Stop Here When Flashing

- 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, third, and fourth line.
- J is the space between the fourth line and the arrow symbol.
- K is the distance from the tip of the arrowhead to the bottom of the sign.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 edge of the word on the third line.
- Q is the distance from the vertical center of the sign to the right edge of the word on the third line.
- R is the distance from the vertical center and the left and right edges of the word on the fourth line.
- S is the distance from the vertical center of the sign to the tip of the arrowhead.
- T is the width of the arrowhead.
- U is the length of the arrow.
- V is the corner radius.

R8-10a: Stop Here When Flashing

R8-10aL

- 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 first and second lines.
- H is the letter height and FHWA standard font for the second and third 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 distance from the tip of the arrow to the bottom of the sign.
- N is the height of the arrow symbol.
- P is the distance from the vertical center of the sign to the left edge of the word on the first line.
- Q is the distance from the vertical center of the sign to the right edge 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 edge of the arrow symbol.
- T is the distance from the vertical center of the sign 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 third line.
- V is the distance from the vertical center of the sign to the right edge of the word on the third line.
- W is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- X is the corner radius.

R8-10aR

- 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 first and second lines.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the space between the second and third line.

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

R9-1: Walk on Left Facing Traffic

- 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 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, second, and third 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 third and fourth lines
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge of the 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 to the right edge of the second 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 word on the fourth line.
- U is the corner radius.

R9-2: Cross Only at Crosswalks

- 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, fourth, and fifth lines.
- G is the space between the first and second lines and the fourth and fifth lines.
- H is the space between the second, third, and fourth lines.
- 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 edge of the word on the first and fourth lines.
- L is the distance from the vertical center of the sign to the right edge of the word on the first and fourth lines.
- 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 fifth line.
- Q is the distance from the vertical center of the sign to the right edge of the word on the fifth line.
- R is the corner radius.

R9-3: No Pedestrian Crossing (symbol)

- 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 circle to the top of the sign and from the bottom of the circle to the bottom of the sign.
- E is the distance from the top of the symbol to the top of the circle and from the bottom of the symbol to the bottom of the circle.
- F is the distance from the horizontal center of the sign to the top and bottom of the symbol.
- G is the width of the diagonal line and the linewidth of the open circle.
- H is the distance from the vertical center of the sign to the left edge of the symbol.
- J is the corner radius.

R9-3a: No Pedestrian Crossing

- 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 distance from the vertical center of the sign to the left and right edges of the 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 corner radius.

R9-3bP: Use Crosswalk (plaque)

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

R9-3cP: Ride With Traffic (plaque)

- 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 each line.
- F is the space between the lines.
- G is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- H is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- J is the distance from the vertical center of the sign to the left edge of the word on the third line.
- K is the distance from the vertical center of the sign to the right edge of the word on the third line.
- L is the corner radius.

R9-4: No Hitchhiking (symbol)

- 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 circle to the top of the sign and from the bottom of the circle to the bottom of the sign.
- E is the distance from the top of the circle to the top of the symbol.
- F is the distance from the horizontal center of the sign to the top of the symbol.
- G is the distance from the horizontal center of the sign to the bottom of the symbol.
- H is the distance from the bottom of the symbol to the bottom of the circle.
- J is the width of the diagonal line and the linewidth of the open circle.
- K is the distance from the vertical center of the sign to the left edge of the symbol.
- L is the corner radius.

R9-4a: No Hitchhiking

- 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 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 edges of the word on the third line.
- N is the corner radius.

R9-5: Bicycles Use Pedestrian Signal

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

R9-6: Bicycles Yield to Pedestrians

- 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.
- G is the space between the symbol and the second line.
- H is 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 and right edges of the symbol.
- 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 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.

R9-7: Shared-Use Path Restriction

- 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 symbols 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 the distance from the right edge of the dividing line to the left edge of the pedestrian symbol.
- H is the letter height and FHWA standard font for the words above the symbols.
- J is the space between the word “RIGHT” and the pedestrian symbol.
- K is the height of the pedestrian symbol.
- L is the height of the bicycle symbol.
- 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 width of the word “LEFT.”
- P is the distance from the left edge of the dividing line to the right edge of the word “LEFT.”
- Q is the distance from the vertical center of the sign to the left edge of the dividing line.
- R is the distance from the vertical center of the sign to the right edge of the dividing line.
- S is the distance from the right edge of the dividing line to the left edge of the word “RIGHT.”
- T is the width of the second word “RIGHT.”
- U is the distance from the left edge of the dividing line to the right edge of the bicycle symbol.
- V is the corner radius

R9-13: No Skaters

- 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 inner radius of the circle.
- L is the outer radius of the circle.
- M is the width of the diagonal line.
- N is the corner radius.

R9-14: No Equestrians

- 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 black 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.

R9-15: No Snowmobiles

- 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: No All-Terrain Vehicles

- 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: Except on Shoulder (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the 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.

R9-20: Bicycles Allowed Use of Full Lane

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

R9-21: Bicycles Use Shoulder Only

- 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: Bicycles Must Exit

- 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: Bicycle All Turns from Bike Lane

- 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: Bicycle Left Turn from Bike Lane

- 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: Bicycle Left Turn Must Use Turn Box

- 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: Bicycle Left Turn Must Use Turn Box (with arrow, oblique)

- 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: Bicycle All Turns (with arrow, oblique)

- 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: Bicycle All Turns (with arrow, horizontal)

- 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: Bicycle U and Left Turns (with arrow, oblique)

- 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: Bicycle U and Left Turns (with arrow, horizontal)

- 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: Bicycle U and Left Turns (with arrow, through)

- 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: Bicycle U Turn (with arrow, oblique)

- 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: Bicycle U Turn (with arrow, horizontal)

- 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: Bicycle U Turn (with arrow, through)

- 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: Bicycle Left Turn (with arrow, oblique)

- 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: Bicycle Left Turn (with arrow, horizontal)

- 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: Bicycle Left Turn (with arrow, through)

- 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.

R10-1: Cross Only on Green

- 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 each line.
- G is the space between the lines of words.
- H is the space between the fourth and fifth lines.
- J is the circle height.
- K is the distance from the bottom of the green circle to the bottom of the sign.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 edge of the word on the third line.
- Q is the distance from the vertical center of the sign to the right edge of the word on the third line.
- R is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- S is the corner radius.

R10-2: Cross Only on Walk Signal

- 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 word.
- G is the space between the first, second, and third lines.
- H is the distance from the bottom of the third line to the top of the fourth line.
- J is the distance from the top of the black background to the top of the pedestrian symbol and from the bottom of the pedestrian symbol to the bottom of the background.
- K is the height of the pedestrian symbol.
- L is the distance from the vertical center of the sign to the left and right edges of the 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 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 black background.
- R is the distance from the vertical center of the sign to the left edge of the word on the last line.
- S is the distance from the vertical center of the sign to the right edge of the word on the last line.
- T is the corner radius.

R10-3: Push Button for Walk Signal

- 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 fourth line.
- F is the height of 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 and between the words on the first line.
- K is the distance from the top of the pedestrian symbol to the top of the black panel and from the bottom of the pedestrian symbol to the bottom of the black panel on the third line.
- L is the height of the pedestrian symbol on the third line.
- M is the space between the third and fourth line.
- N is the distance from the bottom of the arrowhead to the bottom of the sign.
- P is the letter height and FHWA standard font for the words on the first line. The bottom of the words are aligned with the bottom of the 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 left edge of the second word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- T is the distance from the vertical center of the sign to the left and right edges 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 black panel on the third line.
- V is the distance from the vertical center of the sign to the left and right edges of the arrow symbol on the fourth line.
- W is the corner radius.

R10-3a: Push Button to Cross Street – Wait for Walk Signal

- 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 words on the first line. The bottom of the words are aligned with the bottom of the line.
- G is the space between the first and second lines and the space between the words on the second line.
- H is the letter height and FHWA standard font for the second, third, and fourth lines.
- J is the space between the second, third, fourth, and fifth lines.
- K is the distance from the top of the pedestrian symbol to the top of the black background and from the bottom of the pedestrian symbol to the bottom of the black background on the fifth line.
- L is the height of the pedestrian symbol on the fifth line and the length of the arrow on 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 bottom of the first line to the tip of the arrowhead.
- P is the height of the symbol on the first line.
- Q is the distance from the top of the first line to the top of the sign.
- R is the width of the first word on the first line.
- S is the distance from the vertical center of the sign to the right edge of the first word 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 width of the second word on the first line.
- V is the width of the first word 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 arrowhead on the third line.
- Z is the space between the arrow symbol and the word on the third line.
- AA is the distance from the vertical center of the sign to the left edge of the word on the third line.
- BB is the distance from the vertical center of the sign to the right edge of the word on the third line.
- CC is the width of the first word on the fourth line.
- DD is the distance from the vertical center of the sign to the right edge of the first word on the fourth line.
- EE is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- FF is the width of the second word on the fourth line.

- GG is the distance from the vertical center of the sign to the left and right edges of the pedestrian symbol background on the fifth line.
- HH is the corner radius.

R10-4: Push Button for Green

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

R10-4a: Push Button – Wait for Green

- 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 space between the words on the second line.
- F is the height of the first line.
- G is the space between the first and second lines, and the between the fourth, fifth, and sixth lines.
- H is the letter height and FHWA standard font for the second, third, fourth, and fifth lines.
- J is the space between the second and third lines.
- K is the height of the arrow symbol on the third line.
- L is the space between the third and fourth lines.
- M is the circle height.
- N is the distance from the bottom of the circle to the bottom of the sign.
- P is the letter height and FHWA standard font for the words on the first line.
- Q is the distance from the top of the words on the first line to the top of the sign.
- R is the width of the first word on the first line.
- 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 width of the first word 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 distance from the vertical center of the sign to the left edge of the word on the third line.
- Z is the distance from the vertical center of the sign to the right edge of the word on the third line.
- AA is the space between the word and the arrow symbol on the third line.
- BB is the width of the arrow symbol on the third line.
- CC is the width of the first word on the fourth line.
- DD is the distance from the vertical center of the sign to the right edge of the first word on the fourth line.
- EE is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- FF is the width of the second word on the fourth line.
- GG is the distance from the vertical center of the sign to the left edge of the word on the fifth line.

- HH is the distance from the vertical center of the sign to the right edge of the word on the fifth line.
- JJ is the corner radius.

R10-5: Left on Green Arrow Only

- 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 word on the first line.
- J is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- K is the 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 sign to the left edge of the word on the second line.
- N is the distance from the vertical center of the sign to the right edge 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 edge of the word on the fourth line.
- R is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- S is the corner radius.

R10-6: Stop Here on Red

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

R10-6a: Stop Here on Red

R10-6aL

- 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 first and second lines and between the third and fourth lines.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the space between the second and third lines.
- K is the distance from the tip of the arrow to the bottom of the sign.
- L is the height of the arrow symbol.
- 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 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 width of the word on the third line. The left edge of the word is aligned with the vertical center of the sign.
- T is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- U is the distance from the vertical center of the sign to the right edge of the word on the fourth line
- V is the corner radius.

R10-6aR

- 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 first and second lines and between the third and fourth lines.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the space between the second and third lines.
- K is the distance from the tip of the arrow to the bottom of the sign.

- L is the height of the arrow symbol.
- 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 right edge of the arrow symbol.
- R is the distance from the vertical center of the sign to the left edge of the arrow symbol.
- S is the width of the word on the third line. The right edge of the word is aligned with the vertical center of the sign.
- 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 edge of the word on the fourth line
- V is the corner radius.

R10-7: Do Not Block Intersection

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

R10-8: Use Lane with Green Arrow

- 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 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 word on the first line.
- J is the distance from the vertical center of the sign to the left edge of the word on the second line.
- K is the distance from the vertical center of the sign to the right edge of the word on the second line.
- L is the distance from the vertical center of the sign to the left edge of the word on the third line.
- M is the distance from the vertical center of the sign to the right edge of the word on the third line.
- N is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- P is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Q is the distance from the vertical center of the sign to the left and right edges of the word on the fifth line.
- R is the corner radius.

R10-10: Right Turn Signal – 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.

R10-10: Left Turn Signal – 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.

R10-10a: U Turn Signal

- 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: Left (Right) Lane Signal – 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: Left (Right) Lane Signal – 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: Left (Right) Turn Lane Signal – 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: Left (Right) Turn Lane Signal – 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.

R10-11: No Turn on Red

- 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, 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 vertical center of the sign to the left edge of the word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the word on the first line.
- M is the distance from the vertical center of the sign to the left edge of the word on the second line.
- N is the distance from the vertical center of the sign to the right edge of the word on the second line.
- P is the distance from the vertical center of the sign to the left edge of the word on the third line.
- Q is the distance from the vertical center of the sign to the right edge of the word on the third line.
- R is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- S is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- T is the corner radius.

R10-11a: No Turn on Circular Red

- 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 of words.
- H is the letter height and FHWA standard font for the second and third lines.
- J is the space between the third line and the symbol.
- K is the circle height.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 the distance from the vertical center of the sign to the right edge of the word on the second line.
- Q is the width 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. The word is left aligned with the vertical center of the sign.
- T is the distance from the vertical center of the sign to the left and right edges of the circle.
- U is the corner radius.

R10-11b: No Turn on Red

- 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 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 distance from the vertical center of the sign to the left and right edges of the word on the first line.
- J is the distance from the vertical center of the sign to the left edge of the word on the second line.
- K is the distance from the vertical center of the sign to the right edge of the word on the second line and the width of the first word on the third line.
- L the space between the words on the third line.
- M is the width of the second word on the third line. The word is left aligned with the vertical center of the sign.
- N is the corner radius.

R10-11c: No Turn on Red Except From Right Lane

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

R10-11d: No Turn on Red From This Lane

- 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 each line of words.
- G is the space between the lines of words.
- H is the space between the fourth and fifth lines.
- 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 and second lines.
- M is the space between the 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 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 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 edge of the first word on the third line.
- U is the distance from the vertical center of the sign to the right edge of the second word on the third line.
- V is the width of the first 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 space between the vertical center of the sign and the left edge of the second word on the fourth line.
- Y is the width of the second word on the fourth line.
- Z is the distance the vertical center of the sign to the left edge and to the right edge of the arrow symbol.
- AA is the corner radius.

R10-12: Left Turn Yield on Green

- 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 lines.
- G is the space between the lines of words.
- H is the letter height and FHWA standard font for the second line.
- J is the space between the third line and the green circle.
- K is the circle height.
- L is the distance from the bottom of the circle to the bottom of the sign.
- M is the width of the first word on the first line.
- N is the distance from 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 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 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 width of the first word on the third line.
- U is the space between the words 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 and right edges of the circle.
- Y is the corner radius.

R10-12a: Left Turn Yield on Flashing Yellow Arrow

- 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: Left Turn Yield to Bicycle

- 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.

R10-13: Emergency Signal

- 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 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 vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.
- N is the corner radius.

R10-14: Emergency Signal – Stop on Flashing Red

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

R10-14a: Emergency Signal – Stop on Flashing Red (overhead)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width 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 each 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 space between the second and third lines.
- K is the distance between the bottom of the third line and 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 words on each 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 edge of the first word on the second line.
- R is the distance from the vertical center of the sign to the right edge of the first 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 edge of the first word on the third line.
- U is the distance from the vertical center of the sign to the right edge 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.

R10-14b: Stop Here on Flashing Red

- 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.

R10-15: Turning Vehicles Yield to Pedestrians

R10-15R

- 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 symbol 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 bottom of the arrow symbol.
- G is the distance from the bottom of the arrow symbol to the top of the dividing line.
- H is the distance from the bottom of the dividing line to the top of the pedestrian symbol, the distance from the bottom of the second line to the top of the dividing line, and the distance from the right edge of the second line to the left edge of the arrow.
- 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 “YIELD” symbol to the bottom of the sign.
- M is the height of the “YIELD” symbol.
- N is the distance from the top of the “YIELD” symbol to the bottom of the dividing line.
- P is the letter height and FHWA standard font for the word on the “YIELD” symbol.
- Q is the letter height and FHWA standard font for the second line.
- R is the space between the first and second lines.
- S is the letter height and FHWA standard font for the first line and for the word “TO.”
- 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 word on the first line.
- V is the distance from the vertical center of the sign to the right edge of the 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 distance from the vertical center of the sign to the right edge of the word on 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 “YIELD” symbol to the left edge of the word on the symbol.
- CC is the distance from the vertical center of the “YIELD” symbol to the right edge of the word on the symbol.
- DD is the inset from the edge of the “YIELD” symbol to the white panel in the “YIELD” symbol.
- EE is the distance from the top edge of the white panel on the “YIELD” symbol to the top of the word on the symbol.
- FF is the corner radius of the “YIELD” symbol and of the white panel.
- GG is the space between the “YIELD” symbol and word “TO.”

- HH is the distance from the vertical center of the line to the left edge of the word “TO.”
- JJ is the distance from the vertical center of the line to the right edge of the word “TO.”
- KK is the space between the word “TO” and the pedestrian symbol.
- LL is the distance from the bottom of the word “TO” to the bottom of the sign.
- MM is the sign corner radius.

R10-15L

- 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 symbol 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 bottom of the arrow symbol.
- G is the distance from the bottom of the arrow symbol to the top of the dividing line.
- H is the distance from the bottom of the dividing line to the top of the pedestrian symbol, the distance from the bottom of the second line to the top of the dividing line, and the distance from the left edge of the second line to the right edge of the arrow.
- 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 “YIELD” symbol to the bottom of the sign.
- M is the height of the “YIELD” symbol.
- N is the distance from the top of the “YIELD” symbol to the bottom of the dividing line.
- P is the letter height and FHWA standard font for the word on the “YIELD” symbol.
- Q is the letter height and FHWA standard font for the second line.
- R is the space between the first and second lines.
- S is the letter height and FHWA standard font for the first line and for the word “TO.”
- 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 right edge of the word on the first line.
- V is the distance from the vertical center of the sign to the left edge of the word on the first line.
- W is the distance from the vertical center of the sign to the right edge of the word on the second 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 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 “YIELD” symbol to the left edge of the word on the symbol.
- CC is the distance from the vertical center of the “YIELD” symbol to the right edge of the word on the symbol.
- DD is the inset from the edge of the “YIELD” symbol to the white panel in the “YIELD” symbol.

- EE is the distance from the top edge of the white panel on the “YIELD” symbol to the top of the word on the symbol.
- FF is the corner radius of the “YIELD” symbol and of the white panel.
- GG is the space between the “YIELD” symbol and word “TO.”
- HH is the distance from the vertical center of the line to the left edge of the word “TO.”
- JJ is the distance from the vertical center of the line to the right edge of the word “TO.”
- KK is the space between the word “TO” and the pedestrian symbol.
- LL is the distance from the bottom of the word “TO” to the bottom of the sign.
- MM is the sign corner radius.

R10-15a: Turning Vehicles Stop for Pedestrians

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.

R10-16: U-Turn Yield to Right Turn

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

R10-17a: Right on Red Arrow After Stop

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

R10-18: Traffic Laws Photo Enforced

- 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 and the space between the second and third lines.
- F is the height of the symbol.
- G is the space between the first and second 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 vertical center of the sign to the left edge of the symbol.
- L is the distance from the vertical center of the sign to the right edge of the symbol.
- M is the distance from the vertical center of the sign to 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 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 width of the first word on the third line.
- S is the space between the words on the third line.
- T is the distance from the vertical center of the sign to the left edge of the second word on the third line.
- U is the distance from the vertical center of the sign to the right edge of the second word on the third line.
- V is the corner radius.

R10-18a: Traffic Signal Photo Enforced

- 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.

R10-19P: Photo Enforced (symbol plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the symbol to the top of the plaque.
- F is the height of the symbol.
- G is the distance from the bottom of the symbol to the bottom of the plaque.
- H is the distance from the vertical center of the plaque to the left and right edges of the symbol.
- J is the corner radius.

R10-19aP: Photo Enforced (plaque)

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

R10-20aP: MON-FRI (and times) (3 lines) (plaque) – Sheet 1

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

R10-20aP: MON-FRI (and times) (3 lines) (plaque) – Sheet 2

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

R10-22: Bicycle Detector

- 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 word.
- G is the space between the lines of words in the top of the sign, the space between the lines of words in the left side of the sign, and the space between the first and second words on the first line.
- H is the distance from the bottom of the second line and the top of the upper vertical line and the width of the lower vertical line of the symbol.
- J is the distance from the vertical center of the sign to the left edge of the upper vertical line in the symbol and the height of each vertical line in the symbol.
- K is the space between the bicycle and the upper and lower vertical lines in the symbol.
- L is the height of the bicycle symbol.
- M is the distance from the bottom of the word on the fourth line to the bottom of the sign.
- 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 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 distance from the vertical center of the sign to the left and right edges of the word on the second line.
- S is the width of the upper vertical line in the symbol.
- T is the width 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 distance from the vertical center of the sign to the right edge of the bicycle symbol.
- W is the width of the word on the fourth line.
- X is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Y is the corner radius.

R10-23: Crosswalk – Stop on Red

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

R10-23a: Stop on Red - Yield on Flashing Red After Stop

- 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.

R10-24: Bike Push Button for Green Light

- 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, from the bottom of the last line to the bottom of the sign, and the corner radius.
- F is the height of the symbol on the first and second line and the distance from the top of the second line to the bottom of the third line, which overlaps the second line.
- G is the space between the first and second lines.
- H is the distance from the top of the symbol on the second line to the top of the third line.
- J is the letter height and FHWA standard font each line of words.
- K is the space between the lines of words.
- L is the distance from the vertical center of the sign to the left and right edges of the bicycle symbol.
- 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 width of the first word on the fifth line.
- R is the space between the words on the fifth line.
- S is the distance from the vertical center of the sign to the left edge of the second word on the fifth line.
- T is the distance from the vertical center of the sign to the right edge of the second word on the fifth line.
- U is the distance from the vertical center of the sign to the left edge of the word on the sixth line.
- V is the distance from the vertical center of the sign to the right edge of the word on the sixth line.

R10-25: Push for Warning Lights – Wait for Gap

- 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 distance from the top of the first line to the top of the second line.
- G is the letter height and FHWA standard font for the second line.
- H is the space between the second, third, and fourth lines and between the fifth and sixth lines.
- J is the letter height and FHWA standard font for the second word on the third line.
- K is the letter height and FHWA standard font for the fourth line.
- L is the space between the fourth line and the dividing line, the width of the dividing line, and the space between the dividing line and the fifth line.
- M is the letter height and FHWA standard font for the fifth line.
- N is the letter height and FHWA standard font for the first word on the second line and for the fifth line.
- P is the height of the first line and the distance from the top of the first line to the bottom of the second line, which overlaps the first line.
- Q is the distance from the vertical center of the sign to the left and right edges 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 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 distance from the vertical center of the sign to the left edge of the word on the fourth line.
- AA is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- BB is the width of the first word on the fifth line.
- CC is the space between the words on the fifth line.
- DD is the distance from the vertical center of the sign to the left edge of the second word on the fifth line.
- EE is the distance from the vertical center of the sign to the right edge of the second word on the fifth line.

- FF is the width of the last word on the fifth line.
- GG is the width of the first word on the sixth line.
- HH is the space between the words on the sixth line.
- JJ is the distance from the vertical center of the sign to the left edge of the second word on the sixth line.
- KK is the distance from the vertical center of the sign to the right edge of the second word on the sixth line.
- LL is the corner radius.

R10-26: Bike Push Button for Green Light (arrow)

- 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 and the distance from the vertical center of the sign to the left and right edges of the arrow symbol on the seventh line.
- G is the space between the first and second lines.
- H is the distance from the top of the symbol on the second line to the top of the third line.
- J is the letter height and FHWA standard font each line of words.
- K is the space between the lines of words.
- L is the distance from the bottom of the sixth line to the bottom of the sign.
- M is the distance from the tip of the arrow on the sixth line to the bottom of the sign.
- N is the height of the symbol on the second line and the distance from the top of the second line to the bottom of the third line, which overlaps the second line.
- P is the distance from the vertical center of the sign to the left and right edges of the symbol on the first 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 distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- T is the width of the first word on the fifth line.
- U is the space between the words on the fifth line and the height of the arrowhead on the seventh line.
- V is the distance from the vertical center of the sign to the left edge of the second word on the fifth line.
- W is the distance from the vertical center of the sign to the right edge of the second word on the fifth line.
- X is the distance from the vertical center of the sign to the left edge of the word on the sixth line.
- Y is the distance from the vertical center of the sign to the right edge of the word on the sixth line.
- Z is the corner radius.

R10-27: Left Turn Yield on Flashing Red Arrow After Stop

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

R10-28: XX Vehicles Per Green

- 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 word on 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 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 edge of the word on the third line.
- M is the distance from the vertical center of the sign to the right edge of the word on the third line.
- N is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- P is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Q is the corner radius.

R10-29: XX Vehicles Per Green Each Lane

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

R10-30: Right Turn on Red Must Yield to U-Turn

- 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 letter height and FHWA standard font for the first word on the fifth line.
- J is the width 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 distance from the vertical center of the sign to the left edge of the second 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 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 distance from the vertical center of the sign to the left edge 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 space between the words on the fourth line.
- X is the width of the second word on the fourth line.
- Y is the width of the first word on the fifth line.
- W is the space between the words on the fifth line.
- Z is the distance from the vertical center of the sign to the left edge of the second word on the fifth line.
- AA is the distance from the vertical center of the sign to the right edge of the second word on the fifth line.
- BB is the corner radius.

R10-31P: At Signal (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque, the distance from the bottom of the line to the bottom of the plaque, and the space between the words.
- 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 left edge of the second word.
- J is the distance from the vertical center of the plaque to the right edge of the second word.
- K is the corner radius.

R10-32P: Push Button for 2 Seconds for Extra Crossing Time (plaque)

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

R10-40: Bicycle Signal Mandatory Movement (Turn)

- 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: Bicycle Signal Mandatory Movement (Thru)

- 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: Bicycle Signal Optional Movement (Thru and Turn)

- 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: Bicycle Signal Optional Movement (Left and Right Turns)

- 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: Bicycle Signal Optional Movement (All)

- 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: Bicycle Signal Optional Movement (Left and Thru)

- 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.

R11-1: Keep Off Median

- 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 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 corner radius.

R11-2: Road Closed

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

R11-2a: Street Closed

- 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: Bridge Out

- 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: Path Closed

- 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.

R11-3: Road Closed – Local Traffic Only

- 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 space between the words on the first line.
- 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 left edge of the second word on the first line.
- N is the distance from the vertical center of the sign to the right edge of the second word on the first line.
- P is the width of the number 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 second word on the second line.
- T is the width of the third 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 width of the third word on the third line.
- Z is the corner radius.

R11-3a: Street Closed - Local Traffic Only

- 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.

R11-3b: Bridge Out – Local Traffic Only

- 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 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 words on the first line.
- P is the width of the second word on the first line.
- Q is the distance from the vertical center 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 distance from the vertical center of the sign to the left edge of the first word on the second line.
- U is the width of the second 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.

R11-4: Road Closed to Thru Traffic

- 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 third lines.
- 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 the first and third lines.
- L is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- M is the distance from the vertical center of the sign to the right edge of the second 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 width of the first word on the third line.
- R is the distance from the vertical center of the sign to the left edge of the second word on the third line.
- S is the distance from the vertical center of the sign to the right edge of the second word on the third line.
- T is the corner radius.q

R12-1: Weight Limit

- 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 first and second lines.
- H is the space between the second, third, and fourth lines.
- 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 line.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge 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 edge of the word on the fourth line.
- R is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- S is the corner radius.

R12-2: Weight Limit

- 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 letter height and FHWA standard font for the fourth line
- K is the distance from the vertical center of the sign to the left edge of the word on the first line.
- L is the distance from the vertical center of the sign to the right edge of the word on the first line.
- M is the distance from the vertical center of the sign to the left edge of the word on the second line.
- N is the distance from the vertical center of the sign to the right edge 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 fourth line.
- R is the width of the number on the fourth line.
- S is the space between the number and the word on the fourth line.
- T is the width of the second word on the fourth line.
- U is the corner radius.

R12-4: Weight Limit

- 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 on the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for second and third 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 space between the words on each line.
- M is the width of the second word on 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 width of the number on the second line.
- Q is the width of the first word on the second and third lines.
- R is the width of the second word on the second line.
- S is the width of the third word on 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 number on the third line.
- V is the width of second word on the third line.
- W is the corner radius.

R12-5: Weight Limit

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

R12-6: Weight Limit - Specialized Hauling Vehicles

- 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: Weight Limit - Emergency Vehicles

- 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: Weight Limit - Emergency Vehicles (plaque)

- 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.

R13-1: Weigh Station

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

R14-1: Truck Route

- 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 corner radius.

R14-2: Hazardous Material Route

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

R14-3: Hazardous Material Prohibition

- 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 line to the top of the sign and from the bottom of the line to the bottom of the sign.
- E is the letter height and FHWA standard font for the line.
- F is the inner radius of the circle, with the center of the circle at the center of the sign.
- G is the outer radius of the circle, with the center of the circle at the center of the sign.
- H is the width of the diagonal line and the distance from the bottom of the circle to the bottom of the sign.
- J is the distance from the vertical center of the sign to the left edge of the line.
- K is the distance from the vertical center of the sign to the right edge of the line
- L is the corner radius.

R14-4: National Network Route

- 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 and from the bottom of the symbol to the bottom of the sign.
- E is the height of the symbol.
- F is the distance from the vertical center of the sign to the left and right edges of the symbol.
- G is the outer radius of the circle.
- H is the inner radius of the circle.
- J is the linewidth of the circle and the corner radius.

R14-5: National Network Prohibition

- 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 and from the bottom of the symbol to the bottom of the sign.
- E is the height of the symbol.
- F is the distance from the vertical center of the sign to the left and right edges of the symbol.
- G is the outer radius of the circle.
- H is the inner radius of the circle.
- J is width of the diagonal line and the corner radius.

R15-1: Grade Crossing (Crossbuck)

- A is the length of each rectangle.
- B is the width of each rectangle.
- C is the distance from the top of each word to the long edge of its rectangle.
- D is the letter height and FHWA standard font for the words.
- E is the distance from the left and right edges of the line of words on each rectangle to the nearest end of the rectangle.
- F is the width of the words “RAIL” and “ROAD”.
- G is the width of the word “CROSSING”.

R15-2P: Number of Tracks (plaque)

- A is the length of the bottom edge of the plaque, which is also the overall horizontal dimension of the plaque.
- B is the length of each remaining edge of the plaque.
- C is the distance from the top of the number to the top of the plaque and from the bottom of the number to the top of the horizontal arm of the T shape.
- D is the letter height and FHWA standard font for the number on the first line.
- E is the distance from the top of the second line to the top of the horizontal arm of the T shape and from the bottom of the second line to the bottom of the plaque.
- F is the letter height and FHWA standard font for second line.
- G is the distance from the vertical center of the plaque to the left and right edges of the number on the first line.
- H is the distance from the vertical center of the plaque to the left edge of the second line.
- J is the distance from the vertical center of the plaque to the right edge of the second line.

R15-3P: Exempt (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- F is the letter height and FHWA standard font for the word.
- 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.

R15-4a: Light Rail Only Right Lane

- 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, second and fourth lines.
- G is the space between the first and second line.
- H is the distance from the bottom of the second line to the bottom of the panel.
- J is the distance from the bottom of the panel to the top of the symbol and the space between the third and fourth lines.
- K is the height of the symbol.
- 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 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 and right edges of the word on the fourth line.
- R is the corner radius.

R15-4b: Light Rail Only Left Lane

- 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, second and fourth lines.
- G is the space between the first and second line.
- H is the distance from the bottom of the second line to the bottom of the panel.
- J is the distance from the bottom of the panel to the top of the symbol and the space between the third and fourth lines.
- K is the height of the symbol.
- 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 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 and right edges of the word on the fourth line.
- R is the corner radius.

R15-4c: Light Rail Only Center Lane

- 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, second and fourth lines.
- G is the space between the first and second line.
- H is the distance from the bottom of the second line to the bottom of the panel.
- J is the distance from the bottom of the panel to the top of the symbol and the space between the third and fourth lines.
- K is the height of the symbol.
- 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 and right edges of the word on the fourth line.
- S is the corner radius.

R15-5: Light Rail Do Not Pass

- 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 light rail symbol to the top of the sign.
- F is the distance from the top of the light rail symbol to the top of the pedestrian symbol.
- G is the height of the pedestrian symbol.
- H is the distance from the bottom of the pedestrian symbol to the bottom of the light rail symbol.
- J is the space between the light rail symbol and the first line.
- K is the letter height and FHWA standard font for the lines.
- L is the space between the lines.
- M is the distance from the vertical center of the sign to the left edge of the light rail symbol.
- N is the distance from the vertical center of the sign to the right edge of the pedestrian symbol.
- P is the height of the light rail symbol.
- Q is the width of the first word on the first line.
- R is the space between the words on the first line.
- S is the width of the second word on the first line. The left edge of the word is aligned with the vertical center of the sign.
- 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 corner radius.

R15-5a: Do Not Pass Stopped Train

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the width of the first word on the first line.
- J is the 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 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.

R15-6: No Motor Vehicles On Tracks

- 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 circle to the top of the sign and from the bottom of the circle to the bottom of the sign.
- E is the distance from the top of the circle to the top of the symbol and from the bottom of the circle to the bottom of the symbol.
- F is the distance from the horizontal center of the sign to the top and bottom of the symbol.
- G is the width of the diagonal line and the linewidth of the open circle.
- 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 corner radius.

R15-6a: Do Not Drive On Tracks

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

R15-7: Light Rail Divided Highway Symbol

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

R15-7a: Light Rail Divided Highway Symbol (T-Intersection)

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

R15-8: Look

- 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 double arrow symbol.
- G is the space between lines.
- H is the letter height and FHWA standard font for the second line.
- J is the distance from the bottom of the last line to the bottom of the sign.
- K is the distance from the vertical center of the sign to the left and right tips of the arrowheads on the first line.
- L is the width of the arrow shaft on the first line.
- M is the distance from the vertical center of the sign to the left edge of the word on the second line.
- N is the distance from the vertical center of the sign to the right edge of the word on the second line.
- P is the corner radius.

R16-3: Move Over or Reduce Speed

- 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.

R16-4: Minor Crashes Move Vehicles from Travel Lanes

- 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 and second 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 letter height and FHWA standard font for the third line.
- L is the space between the third and fourth lines.
- M is the letter height and FHWA standard font for the fourth line.
- N is the distance from the bottom of the fourth line to the bottom of the sign.
- P is the distance from the vertical center of the sign to the left edge 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 width of the first word on the second line.
- U is the space between the first and second words on the second line.
- V is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- W is the distance from the vertical center of the sign to the right edge of the second word on the second line.
- X is the width of the first word on the third line.
- Y is the space between the first and second words 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 distance from the vertical center of the sign to the right edge of the second word on the third line.
- BB is the width of the first word on the fourth line.
- CC is the space between the words on the fourth line.
- DD is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- EE is the distance from the vertical center of the sign to the right edge of the second word on the fourth line.
- FF is the width of the third word on the fourth line.
- GG is the corner radius.

R16-5: Lights On When Using Wipers

- 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 width of the first word on the second line
- M is the space between the words on the second line.
- N is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- P is the distance from the vertical center of the sign to the right edge of the second word on the second line.
- Q is the distance from the vertical center of the sign to the left and right edges of the word on the third line.
- R is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- S is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- T is the corner radius.

R16-6: Lights On When Raining

- 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 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 corner radius.

R16-7: Turn On Headlights Next XX Miles

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign and from the bottom of the 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 width 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 sign to the left edge of the third word on the first line.
- N is the distance from the vertical center of the sign to the right edge of the third word on the first line.
- P is the distance from the vertical center of the sign to the left and right edges of the second line.
- Q is the width of the first word on the second line.
- R is the space between the words on the second line.
- S is the width of the second word on the second line.
- T is the width of the third word on the second line.
- U is the corner radius.

R16-8: Turn On Headlights

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

R16-9: Check Headlights

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

R16-10: Begin Daytime Headlight Section

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

R16-11: End Daytime Headlight Section

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

R16-15: No Hand-Held Phone Use By Driver

- 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: No Hand-Held Phone Use By Driver

- 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.