

Figure 1: Vertical dimensions of the test specimens. The diagram shows three vertical columns of dimensions. The left column has a total height of 48 inches. The middle column has a total height of 20 inches. The right column has a total height of 6 inches. The dimensions are: 48 inches (left), 20 inches (middle), 6 inches (right), 8 inches EM (middle), 8 inches EM (right), 6 inches (middle), 6 inches (right), 8 inches EM (middle), 8 inches EM (right), 6 inches (middle), 6 inches (right), 8 inches EM (middle), 8 inches EM (right), 6 inches (middle), 6 inches (right). The width dimensions are: W=14.8 inches (middle), W=21.36 inches (right), W=14.96 inches (middle), W=21.36 inches (right).

LENGTH SERIES/SIZE

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SIGN DESIGN CALCULATIONS

10561000



Department of Transportation

SIGNING PLANS

5/5/2026 3:38 PM

Diagram of a rectangular sign with dimensions and text. The sign is 60" wide and 18" high. The text "McAllister" is centered in white on a dark green background. The sign has a 6" border. The dimensions are labeled as follows:

- Overall width: 60"
- Overall height: 18"
- Text width: 48.12"
- Text height: 6"EM W=48.12"
- Border width: 6"
- Inset dimensions: 5.94" (on the left and right sides)

Panel Style: guide_con_destination_1-line.ssi
Dimensions are in inches hundredths

Diagram illustrating the dimensions of a green rectangular street sign with rounded corners. The sign features the text "Meadow Creek Rd" in white.

Overall dimensions: 48" wide by 12" high.

Sign dimensions and text details:

- Sign width: 43.1"
- Sign height: 6"B (W=18.1")
- Text "Meadow Creek Rd" width: 43.1"
- Text "Meadow Creek Rd" height: 6"B (W=13.25")
- Text "Meadow" width: 18.1"
- Text "Creek Rd" width: 13.25"
- Text "Meadow" height: 4"B (W=3.56")
- Text "Creek Rd" height: 4"B (W=3.56")
- Sign offset from left edge: 2.45"
- Sign offset from right edge: 2.45"
- Sign offset from top edge: 3"
- Sign offset from bottom edge: 3"

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S24

SIGN DESIGN CALCULATIONS

NORRIS HILL

MADISON

STPP 13-1(13)55

10561000

PROJECT / NAME

COUNTY

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SIGNING PLANS

/5/2026 3:38 PM

Diagram of a green rectangular highway sign with white text. The sign reads "Norris" in large letters, "JCT MT 2 28" in the middle, and "JCT I-90 40" at the bottom. Dimensions are provided for the sign's overall size (102 inches wide, 48 inches high) and the spacing between text elements. The sign is mounted on a post with a distance of 8 inches from the center to the mounting bracket.

LETTER POSITIONS (X)

REDUCTION: ☐ 10% ☐ 20% ☐ 30%

LENGTH SERIES/SIZE

[illegible][illegible]

625

SIGN DESIGN CALCULATIONS

NORRIS HILL

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SIGNING PLANS

5/5/2026 3:38 PM

Technical drawing of a green rectangular road sign with rounded corners. The sign features the text "N Meadow Creek" in white, sans-serif font. The text is arranged with "N" on the left, "Meadow" on the top right, and "Creek" on the bottom right. Dimensions are provided for the sign's overall size and the placement of the text. The overall width is 60 inches and the overall height is 30 inches. The text "N" is 6 inches high and 4.86 inches wide. The text "Meadow" is 6 inches high and 35.4 inches wide. The text "Creek" is 6 inches high and 25.5 inches wide. The sign has a 6-inch border. The distance from the left edge to the start of "Meadow" is 6.87 inches, and the distance from the end of "Creek" to the right edge is 6.87 inches. The total width of the text area is 46.26 inches.

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

[illegible][illegible]

26

SIGN DESIGN CALCULATIONS

PROJECT NAME

NORRIS HILL

MADISON

STPP 13-1(13)55

10561000

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5/5/2026 3:38 PM

Technical drawing of a rectangular sign with rounded corners. The sign is blue with white text and a white arrow. The text reads "CHAIN REMOVAL" on the top line and "AREA" on the bottom line, followed by a white arrow pointing diagonally up and to the right. Dimensions are provided in inches:

- Overall width: 102"
- Overall height: 36"
- Top border: 7"
- Text "CHAIN REMOVAL" height: 8"D, W=30.48"
- Space between text lines: 6"
- Text "AREA" height: 8"D, W=27.2"
- Bottom border: 7"
- Right border: 7"
- Text "CHAIN REMOVAL" width: W=47.36"
- Space between text lines: 4.59"
- Text "AREA" width: W=11.92"
- Bottom right corner radius: 4.5"

8.08' 85.84' 8.08'

[illegible]

SIGN DESIGN CALCULATIONS

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SIGNING PLANS

5/5/2026 3:38 PM

Technical drawing of a Bradley Creek Rd street sign. The sign is rectangular with rounded corners, green with a white border, and features the text "Bradley Creek RD" in white. Dimensions are provided in inches:

- Overall width: 48"
- Overall height: 12"
- Top border: 3"
- Bottom border: 3"
- Left border: 3"
- Right border: 3"
- Text area width: 43.76"
- Text area height: 6" (B) W=18.18"
- Text area width: 43.76"
- Text area height: 6" (B) W=13.5"
- Text area width: 43.76"
- Text area height: 4" (B) W=4.08"

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529

SIGN DESIGN CALCULATIONS

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NORRIS HILL

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5/5/2026 3:38 PM

Technical drawing of a blue rectangular sign with rounded corners. The sign features the text "AMBIENT AIR SOLUTIONS" in white, bold, sans-serif capital letters. The drawing includes the following dimensions:

- Overall width: 30"
- Overall height: 12"
- Text area width: 22.02"
- Text area height: 7"
- Left offset: 4"
- Right offset: 4"
- Top offset: 2"
- Bottom offset: 2"
- Line weight: 3"
- Text area width calculation: $W = 5.1"$ (for "AMBIENT AIR") and $W = 17.76"$ (for "SOLUTIONS")
- Text area height calculation: $W = 13.92"$

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SIGN DESIGN CALCULATIONS

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5/5/2026 3:38 PM

LETTER POSITIONS (X)																REDUCTION:										10%			20%			30%			LENGTH		SERIES/SIZE	
	A	M	B	I	E	N	T		A	I	R																						C 2000					
4"	2.34"	2.64"	2.19"	1.08"	2.04"	2.1"	1.53"	3"	2.34"	1.08"	1.68"	4"																			22.02"	3"						
	S	O	L	U	T	I	O	N	S																							C 2000						
7.78"	2.13"	2.37"	1.95"	2.1"	1.95"	1.02"	2.37"	2.19"	1.68"	4.46"																					17.76"	3"						

Technical drawing of a blue rectangular sign with rounded corners. The sign contains the text "ENNIS NATIONAL" on the top line and "FISH HATCHERY" on the bottom line in white, bold, sans-serif capital letters.

Dimensions:

- Overall width: 36"
- Overall height: 12"
- Text area width: 28.35"
- Text area height: 7.03"
- Top margin: 3"C
- Bottom margin: 3"C
- Line spacing: 2"
- Left margin: 3.82"
- Right margin: 3.83"

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SIGN DESIGN CALCULATIONS

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SIGNING PLANS

5/5/2026 3:38 PM

Technical drawing of a blue rectangular sign with rounded corners. The sign contains the text "CHAIN REMOVAL AREA" in large white capital letters, followed by "1 MILE" in slightly smaller white capital letters. Dimension lines indicate the overall size and internal spacing. The overall width is 102 inches. The overall height is 42 inches. The text "CHAIN REMOVAL" is 8 inches deep with a width of 30.48 inches. The text "AREA" is 8 inches deep with a width of 27.2 inches. The text "1 MILE" is 8 inches deep with a width of 22.48 inches. The sign has a 5-inch border on the top and bottom, and a 5-inch border on the left and right. The distance between the text and the inner border is 16 inches. The distance between the text and the outer border is 8.08 inches. The text is centered horizontally and vertically.

[illegible]

SHEET NO.

32

SIGN DESIGN CALCULATIONS

Panel Style: guide_con_general_services.ssi
Dimensions are in inches hundredths 8.08"

85.84"

8.08"

LETTER POSITIONS (X)																REDUCTION:										10%			20%			30%			LENGTH			SERIES/SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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PROJECT / NAME

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MADISON

STPP 13-1(13)55

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SIGNING PLANS

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Diagram of a yellow rectangular sign with rounded corners, reading "7% GRADE 1 MILE". The sign has a black border and is surrounded by dimensions. The overall width is 24 inches and the overall height is 18 inches. The sign itself is 18.6 inches wide and 10.38 inches high. The text "7% GRADE" is at the top and "1 MILE" is at the bottom. The sign is surrounded by a 4-inch border on all sides. The dimensions are: 24 inches total width, 18 inches total height, 4 inches border on all sides, 18.6 inches sign width, 10.38 inches sign height, 3 inches C (center to text), 3 inches D (center to text), W=5.22 inches (text width), W=10.38 inches (sign width), W=0.75 inches (text width), W=8.43 inches (text width).

[illegible][illegible]

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SIGN DESIGN CALCULATIONS

PROJECT / NAME

NORRIS HILL

MADISON

STPP 13-1(13)55

10561000

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Diagram of a 2-Way Traffic sign. The sign is rectangular with rounded corners, yellow background, and a black border. The text "2-WAY" is positioned above "TRAFFIC". Dimensions are indicated: overall width is 24", overall height is 18". The sign is divided into three horizontal sections: a top section (3.5" high), a middle section (4" high, containing the text), and a bottom section (3.5" high). The middle section width is 17.12", and the bottom section width is 3.45".

LENGTH SERIES/SIZE

[illegible][illegible]

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5/5/2026 3:38 PM

Diagram of a yellow rectangular traffic sign with a black border. The sign contains the text "7% GRADE" and "3 MILES" in black. Dimensions are provided for the sign and its text.

Overall dimensions: 24" wide by 18" high.

Text dimensions:

- "7% GRADE": 10.38" wide by 4.01" high.
- "3 MILES": 9.24" wide by 4.01" high.

Sign border: 4" wide on all sides.

LENGTH SERIES/SIZE

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5/5/2026 3:38 PM

Diagram of a yellow rectangular traffic sign with a black border. The sign contains the text "7% GRADE" and "2 MILES". Dimensions are provided for the sign and its text.

- Overall height: 18"
- Overall width: 24"
- Text "7% GRADE" width: 10.38"
- Text "2 MILES" width: 9.24"
- Sign border width (sides): 2.7"
- Sign border width (top/bottom): 4"
- Text "7% GRADE" height: 3"
- Text "2 MILES" height: 3"

LENGTH SERIES/SIZE

[illegible][illegible]

SIGN DESIGN CALCULATIONS

5/5/2026 3:38 PM

54"

18"

5"

8"EM
W=37.44"

5"

8.28"

37.44"

8.28"

Norris

[illegible][illegible]

S37

SIGN DESIGN CALCULATIONS

NORRIS HILL

MADISON

STPP 13-1(13)55

10561000

PROJECT NAME

COUNTY

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LENGTH SERIES/SIZE

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