



Bridge Design Details 4.2 October 2019

“4-Scale” Contour Sheets

Two copies of the "4-Scale" Contour sheet(s) are provided to Structure Construction during EXPEDITE as a part of the Resident Engineer Pending File. “4-Scale” Contours sheet(s) are used by contractors during construction to determine the location of structure components (e.g., deck, soffit elevations, etc.). These sheets are critical in determining the layout and extent of falsework that is required for a structure. A copy of the "4-Scale" Contour sheet(s) is also used by the Structure Representative to verify that the structure is being built correctly and to the correct elevations.

The following guidelines should be observed, in addition to the items listed for the DECK CONTOUR plan sheet(s) in *Bridge Design Details: 4-1 Deck Contours*.

1. The “Deck Contours Label” cell shall be placed on each “4-Scale” sheet. If the plot is 6 feet or longer, the label shall be placed at each end of the sheet.
2. The “4-Scale” sheet(s) shall be plotted using ($\frac{1}{4}'' = 1'-0''$).
3. If a structure is too wide to fit on a standard plot (22" wide), a match line should be utilized. Normally this match line is placed along an alignment or other controlling layout line.
4. Once the plots are made you MUST check the accuracy of the contours drawn and the scale of the plots in both the “X” and “Y” directions. Image scale adjustments may be required due to distortions by the printing process.