

Bridge Design Details 14.2 June 2025

Longitudinal Section

The prestress cable path must be drawn parabolic and dimensioned at the frame ends, high points, low points, and points of inflection should also be dimensioned from soffit and labeled. The point of inflection is the point along the cable path in multiple span structures where a change in direction of curvature occurs. Vertical dimensions must be shown to the nearest $\frac{1}{8}$ ". Draw the Longitudinal Section at NO SCALE and exaggerated in the vertical direction for clarity. If there are soffit flares, show them in this view and on the GIRDER LAYOUT detail, but only dimension them in one location. Dimension the cable path ends with a 6-inch allowance upward or downward to accommodate splaying of tendons at the anchorage. Show the point of no movement in this view indicated by: 

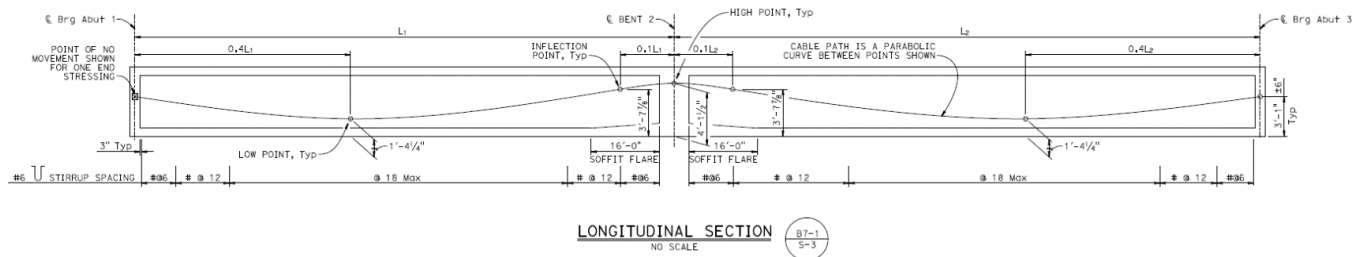


Figure 14.2.1 Longitudinal Section