



Figure 83. Example of flared single column (Image: Steel Construction Info.)



Figure 82. Example of tapered column head



Figure 81. Straight columns (planting indicative)

18 Columns and beams

Girder/beams

- 18.1 The girder cross section is an 'I' beam. The vertical as opposed to an angled side to the beam is designed to better catch light and emphasise the shadow of the cantilevered parapet above.
- 18.2 The bridge design has been enhanced by simple but elegant joints in the weathered steel beams at the ends of the spans and along the superstructure to give a continuous horizontal emphasis and 'blade' like appearance.
- 18.3 The connection between the shallower viaduct beams and the main tapering and cambered bridge spans has been differentiated with a simple gap. The gap also allows the beams to "breathe" as they expand and contract while the temperature rises and falls.