

560-06 Shared-use Trail or Sidewalk behind Steel Beam Guardrail at Bridge Approach

(This section last updated 08-17-16)

As Road Design Detail 560-6 shows, a minimum of 2 feet is required behind the posts to the edge of the shared-use trail or sidewalk. This provides a shy distance for the users. It also helps to ensure the ends of the bolts used to mount the guardrail to the posts are located far enough away from the trail or sidewalk they do not present a hazard for the users.

An area behind the guardrail needs to be provided to allow the guardrail to deflect should it be impacted. For posted speeds of 45 mph or greater, 5 feet should be provided behind the face of the rail to the trail or sidewalk. For speeds less than 45 mph, this can be reduced to 4 feet.

Beyond the end of the trail, a minimum of 5 feet should be maintained between the edge of traveled way and the edge of a two-way shared use path (see page 3 of Section [12B-2](#)).

Typically, the material between the roadway and the trail will be the same rock used for granular shoulders. Other surface options such as pavement or grass may be used if requested, but rock should be considered the default.