

SECTION 1067 -- STEEL GUARDRAIL POSTS AND SPECIAL POSTS

1067.01 -- Description

This specification covers steel "W 6X9" beam sections used as an alternate for treated timber guardrail line posts.

1067.02 -- Material Characteristics

1. "W 6X9" beam sections for use as beam guardrail line posts shall be fabricated from steel complying with the requirements of ASTM A 36/A 36M, A 588/A 588M, or A 242/A 242M and conforming to the size, weight, and dimensions shown on the designated plans. All welding shall be in accordance with AWS Specifications.

2. Bolts shall be as shown in the plans. Galvanized bolts are required, and they shall conform to ASTM F 568 Class 4.6 or A 307. ASTM A 325, Type 3 bolts may be used with ASTM A 588/A 588M or ASTM A 242/A 242M steel without galvanizing.

3. Posts, blocks, and all necessary hardware fabricated from ASTM A 36/A 36M steel shall be galvanized in accordance with ASTM A 123.

4. "W 6X9" beam sections are not authorized for the following uses:
- a. Curved beam guardrail (CRT posts and adjacent 4 posts).
 - b. End anchorage assembly - alternate design (at the last post).
 - c. Terminal sections (BCT, MELT, SRT, BEST, ET 2000).
 - d. The 7 posts located at the tip of a bullnose.

1067.03 -- Acceptance Requirements

Steel guardrail posts and special posts will be accepted based on requirements of this Section and sampling and testing requirements in accordance with the NDR *Materials Sampling Guide*.