NOTE:
1. See the following sheets for Sections A-A through C-C, steel rail layouts, and other details.
2. Use weathering steel for all structural steel and fastener hardware.
NOTE:
1. Pre-drill 5/8-inch holes in timber rail and 1/2-inch holes in the wood spacer block for the 5/8-inch lag screws.

BEARING PLATE DETAILS

SECTION A-A

SECTION B-B

SECTION C-C

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

STEEL-BACKED TIMBER GUARDRAIL

CONNECTION TO CURVED BACK STRUCTURE

Sheet 2 of 3

C617-66
Steel-Backed Timber Guardrail Connection to Curved Back Structure

**General Information**
- All graphics and text will be in the sheet model.
- **Appropriate Applications.**
  Steel-backed timber (SBT) guardrail is an aesthetic roadside barrier. This drawing provides a low-speed connection to curved stone masonry guardwalls.

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<th>FHWA Eligibility Letter</th>
<th>TF 13 Designator</th>
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- **Limitations.**
  This connection is for low-speed roadways.

**Applicable SCRs**
- None

**Typical Pay Item Used**
- 61707-2000 Structure transition railing, SBT system [LNFT]

**Updates**
- **February 2019**
  - New Detail drawing
- **September 2021**
  - Updated for OpenRoads Designer