Steel-Backed Timber Guardrail Type A & Type B Wood Post

General Information

**Appropriate Applications.**
- Steel-backed timber guardrail is an aesthetic roadside barrier. The all-wood appearance blends into the surrounding environment.

<table>
<thead>
<tr>
<th>Crash Test Criteria</th>
<th>NCHRP Report 350</th>
</tr>
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<tbody>
<tr>
<td>Test Level</td>
<td>TL-3</td>
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<tr>
<td>FHWA Eligibility Letter</td>
<td>B-64D2</td>
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<tr>
<td>TF 13 Designator</td>
<td>None</td>
</tr>
<tr>
<td>Crash Test Report</td>
<td>TTI Report No. 405181-F</td>
</tr>
</tbody>
</table>

**Limitations.** Need additional embankment width to accommodate width of guardrail installation. Steel-backed timber tends to be more expensive than traditional w-beam guardrail.

**Layout Guidance.**
- See AASHTO Roadside Design Guide
- Use the FLH Barrier Length of Need Calculator available at [https://flh.fhwa.dot.gov/resources/design/tools/Barrier-LON.xlsx](https://flh.fhwa.dot.gov/resources/design/tools/Barrier-LON.xlsx)

Applicable SCRs
Section 617

Typical Pay Item Used
- 61701-3900 Guardrail system SBTA [LNFT]
- 61701-4000 Guardrail system SBTB [LNFT]

Updates
February 2019
- New Detail drawing