CRT POST DETAIL

POSTS #3 - #7

NOTE:
1. CRT posts include those posts between the terminal and PT, plus the post with block at Post #7.
2. Do not use this layout when speeds are in excess of 45 MPH.
3. See Detail 617-22 for terminal section shown. The use of the Type CRT terminal is limited to driveways, service roads, and low speed minor road approaches. Use the appropriate TL-2 or TL-3 terminal on all other roadway approaches.
4. If the CRG will be connected to transition rail at Post 8, add a standard post and block midway between Posts 7 and 8.
5. Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance, and accepted manufacturing practices.
CRG W-Beam Guardrail, Wood Posts

General Information

**Appropriate Applications.**
- CRG W-beam guardrail is typically used when a minor road or driveway intersects a main road close to a bridge.
- According to the AASHTO Roadside Design Guide Section 5.6.6, this system may be used on all high-speed routes, until an acceptable system is developed. Research and development of a more acceptable system is underway.

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<tr>
<th>Crash Test Criteria</th>
<th>NCHRP Report 230</th>
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<tr>
<td>Test Level</td>
<td>TL-2</td>
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<tr>
<td>FHWA Eligibility Letter</td>
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<td>Crash Test Report</td>
<td>TTI report 405160-10</td>
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**Limitations**
- The FLH drawing is based on the guidance provided in FHWA Technical Advisory T5040.32.
- Guidance for installing the short-radius guardrail is given for systems with radius sizes ranging between 8.5 ft and 35 ft. The FHWA guidance does not address larger radii above 35 ft.

**Layout Guidance.**
- See AASHTO Roadside Design Guide, Section 5.6.6.

**Applicable SCRs**
- Section 563 (if weathering agent applied to galvanized elements)
- Section 617
- Section 710
- Section 725 (if weathering agent applied to galvanized elements)

**Typical Pay Item Used**
- 61701-4100 Guardrail system CRG, type 2, class A [LNFT] for galvanized steel
- 61701-4350 Guardrail system CRG, type 4, class B [LNFT] for weathering steel

**Updates**
- February 2019
  - New Detail drawing.
- April 2020
  - Revised dimensioning on plan view and revised notes

Designer Notes for CFLHD Drawing 617-21