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. See detail C617-16 for block details.
2. Do not use this layout when speeds are in excess of 45 MPH.
3. See detail C617-22 for terminal section, Type CRT details. The use of the 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.

GUARDRAIL SYSTEM CRG
WITH CRT POSTS

ELEVATION

TYPICAL GUARDRAIL CROSS SECTION

CRG W-BEAM GUARDRAIL
WOOD POSTS

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
U.S. CUSTOMARY DETAIL

REVISED:
C617-21

STATE
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U.S. CUSTOMARY DETAIL
CRG W-BEAM GUARDRAIL
WOOD POSTS

NO SCALE

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CRG W-Beam Guardrail, Wood Posts

General Information

Appropriate Applications.
- CRG w-beam guardrail is 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 an acceptable system is underway.

<table>
<thead>
<tr>
<th>Crash Test Criteria</th>
<th>NCHRP Report 230</th>
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<tbody>
<tr>
<td>Test Level</td>
<td>TL-2</td>
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<tr>
<td>FHWA Eligibility Letter</td>
<td>FHWA Technical Advisory T5040.32</td>
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<tr>
<td>TF 13 Designator</td>
<td>SGR40</td>
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<tr>
<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