NOTE:

1. Posts ① and ③ may be wood or steel.

2. Use wood posts for CRT posts.

3. The minimum length of guardrail, including the end terminals, upstream and downstream of posts ② and ⑦ is 62.5 feet.

4. In locations where the culvert headwall extends above the finished grade to act as a vertical roadway curb, the maximum height of the culvert headwall above the finished grade is 2 inches.

5. See Details C617-31 or C617-32 for other assembly details.
MGS W-Beam Guardrail Long-Span System

General Information

Appropriate Applications.
- Long-span guardrail systems are used to span low-fill culverts. This drawing may also be used if an impenetrable object is encountered at post locations during construction.

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<td>TL-3</td>
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<tr>
<td>FHWA Eligibility Letter</td>
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<tr>
<td>Crash Test Report</td>
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Limitations
- The maximum span is 25 feet.

Layout Guidance.
- See AASHTO Roadside Design Guide Section 5.4.2
- See the FLH Midwest Guardrail System FAQ document for more information.

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
- 61701-4550 Guardrail system MGS, type 2, class A wood posts [LNFT] for galvanized steel
- 1701-5150 Guardrail system MGS, type 4, class B wood posts [LNFT] for weathering steel

Note: long-span systems are paid for using the same pay item as roadside rail.

Updates
February 2019
- New Detail drawing