NOTE:

1. Unless otherwise specified, use any of the options shown as required to meet project-specific conditions.

2. Use consistent guardrail post material throughout the length of the guardrail run.

3. If applicable, conversion of the 8-inch wide G4 blockout to the 12-inch wide MGS blockout may occur anywhere within the length of the G4 to MGS transition shown on this sheet.

4. See Details C617-10, C617-11, C617-31, or C617-32 for other assembly details.
Notes to the Designer
Updated September 2021
G4 to MGS W-Beam Guardrail Transition

General Information
- All graphics and text will be in the sheet model.
- **Appropriate Applications.**
  This drawing is used to transition the rail height from G4 (27¾” to 29” mounting height) to MGS (31” mounting height) and to transition the location of the splice (G4 has the splice at the post, and MGS has the splice mid-span)

<table>
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<th>Crash Test Criteria</th>
<th>Test Level</th>
<th>FHWA Eligibility Letter</th>
<th>TF 13 Designator</th>
<th>Crash Test Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
<td>Not posted</td>
<td>MwRSF Report No. TRP-03-335-17</td>
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</tbody>
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- **Limitations.**
  No crash testing has been performed for this installation. The drawing is based on recommendations from MwRSF.
- **Layout Guidance.**
  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
- 61701-4500 Guardrail system MGS, type 2, class A steel posts [LNFT] for galvanized steel, steel post
- 61701-4550 Guardrail system MGS, type 4, class B steel posts [LNFT] for weathering steel, wood post
- 61701-5100 Guardrail system MGS, type 4, class B steel posts [LNFT] for weathering steel, steel post
- 61701-5150 Guardrail system MGS, type 4, class B wood posts [LNFT] for weathering steel, wood post
  Note: Use the same pay item as roadside rail.

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