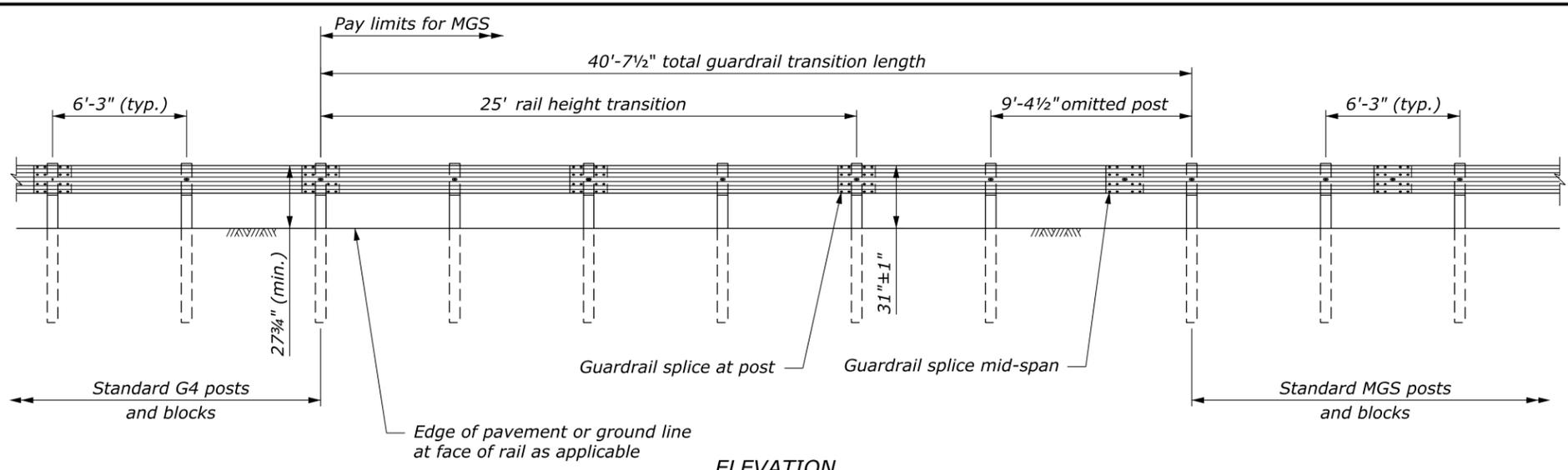


User: Christine.Black

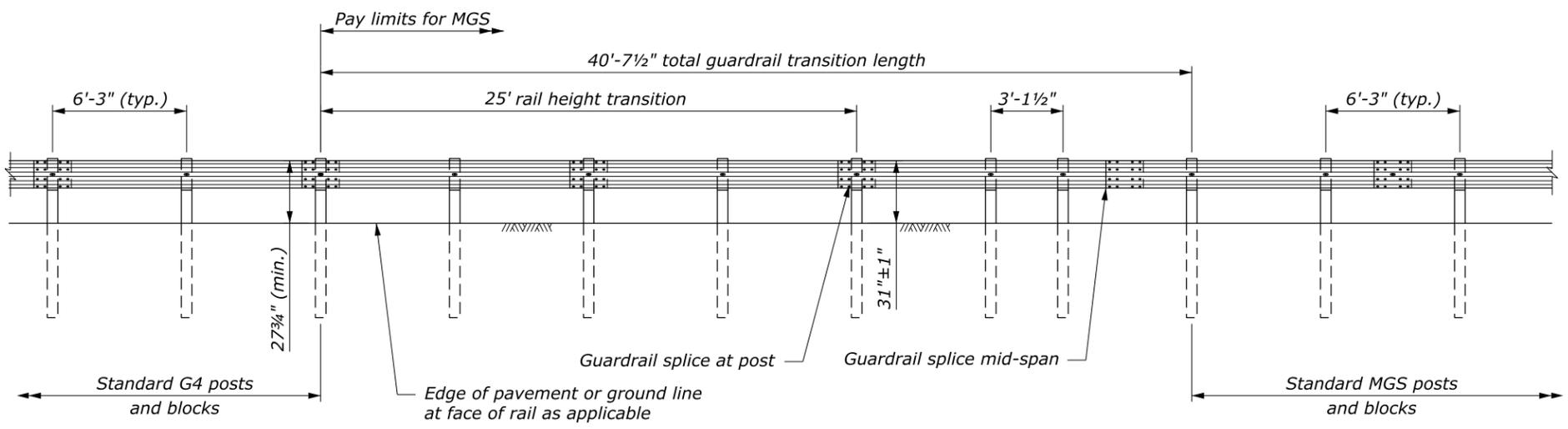
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2/21/2019

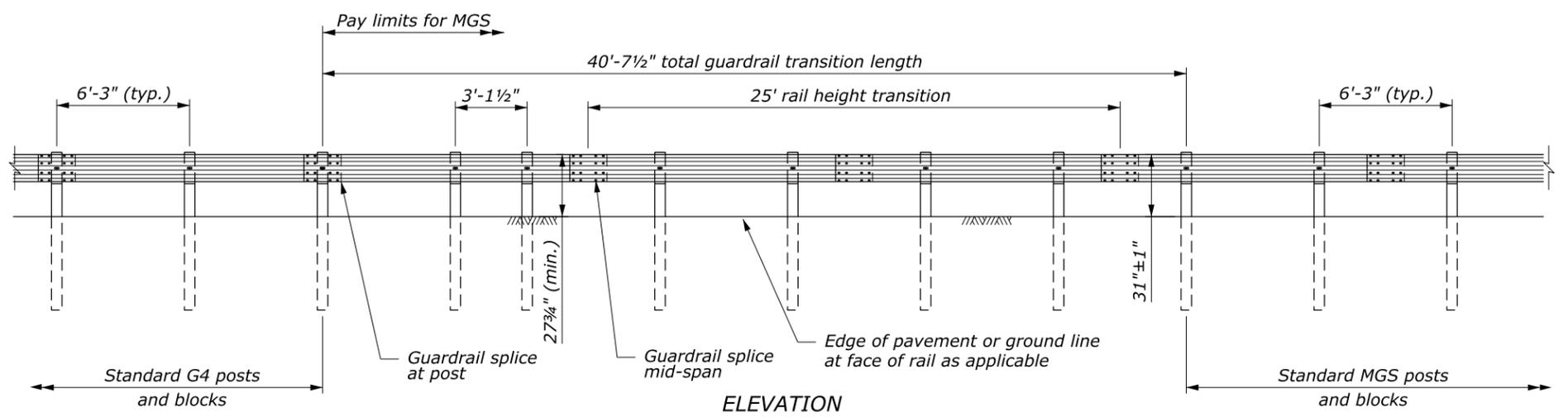
STATE	PROJECT	SHEET NUMBER



ELEVATION  
**OMITTED POST OPTION**



ELEVATION  
**HALF-POST SPACING IN MGS OPTION**



ELEVATION  
**HALF-POST SPACING IN G4 OPTION**

**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.

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL <b>G4 TO MGS W-BEAM GUARDRAIL TRANSITION</b>	
DETAIL APPROVED FOR USE 02/2019	DETAIL
REVISED:	C617-39

**NOTES TO THE DESIGNER**  
 Last Updated: February 2019

**G4 to MGS W-Beam Guardrail Transition**

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**General Information**

***Appropriate Applications.***

- This drawing is used to transition the rail height from G4 (27<sup>3</sup>/<sub>4</sub>" 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)

<b><i>Crash Test Criteria</i></b>	None
<b><i>Test Level</i></b>	None
<b><i>FHWA Eligibility Letter</i></b>	None
<b><i>TF 13 Designator</i></b>	Not posted
<b><i>Crash Test Report</i></b>	MwRSF Report No. TRP-03-335-17

***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.

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**Applicable SCRs**

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

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**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 2, class A wood posts [LNFT] for galvanized 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.

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**Updates**

February 2019

- New Detail drawing