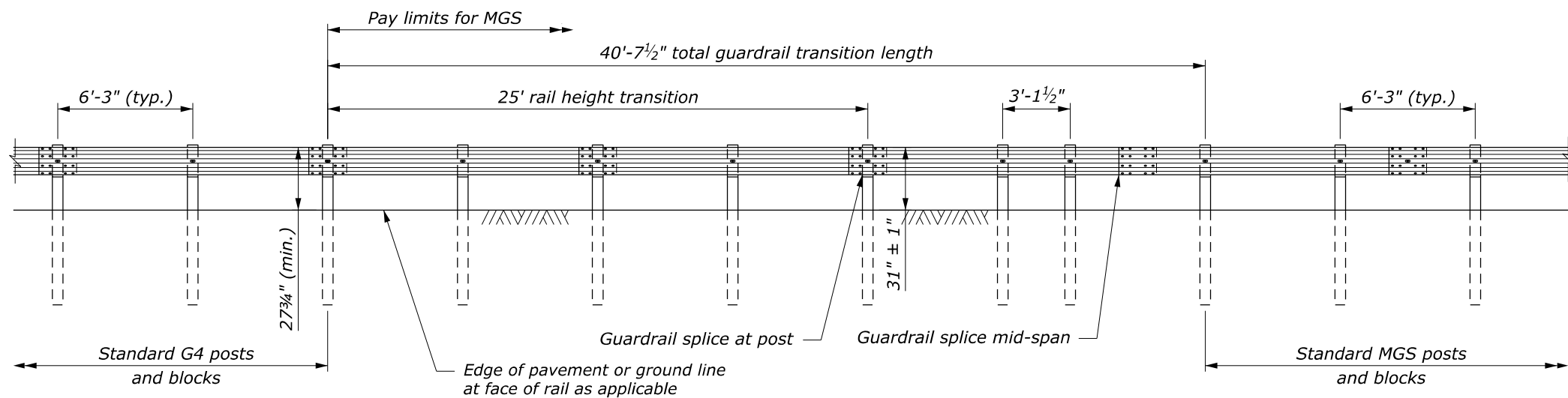


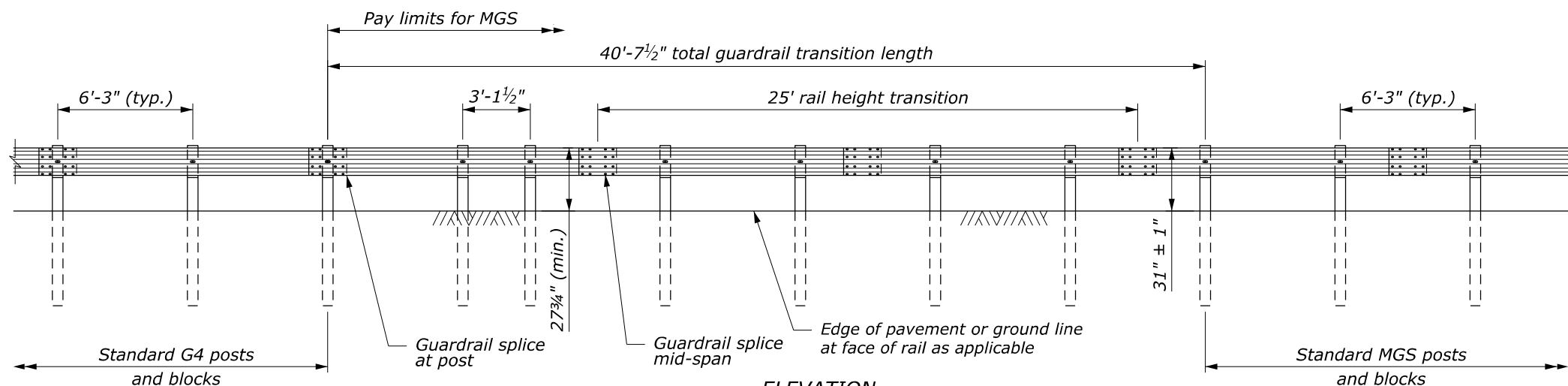
ELEVATION
OMITTED POST OPTION

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 blackout to the 12-inch wide MGS blackout may occur anywhere within the length of the G4 to MGS transition shown on this sheet.
4. See Standards 617-10, 617-11, 617-31, or 617-32 for other assembly details.



ELEVATION
HALF-POST SPACING IN MGS OPTION



ELEVATION
HALF-POST SPACING IN G4 OPTION

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

FLH STANDARD
**G4 TO MGS
W-BEAM GUARDRAIL
TRANSITION**

STANDARD APPROVED FOR USE 7/2022
REVISED:

STANDARD
617-39

Designer Notes: FLH Standard Drawing 617-39
Last Updated: June 2022

G4 to MGS W-Beam Guardrail Transition

General Information

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)

Crash Test Criteria	None
Test Level	None
FHWA Eligibility Letter	None
TF 13 Designator	Not posted
Crash Test Report	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.

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.

Updates

February 2019

- New Detail drawing

June 2022

- Converted from CFL Detail to FLH Standard