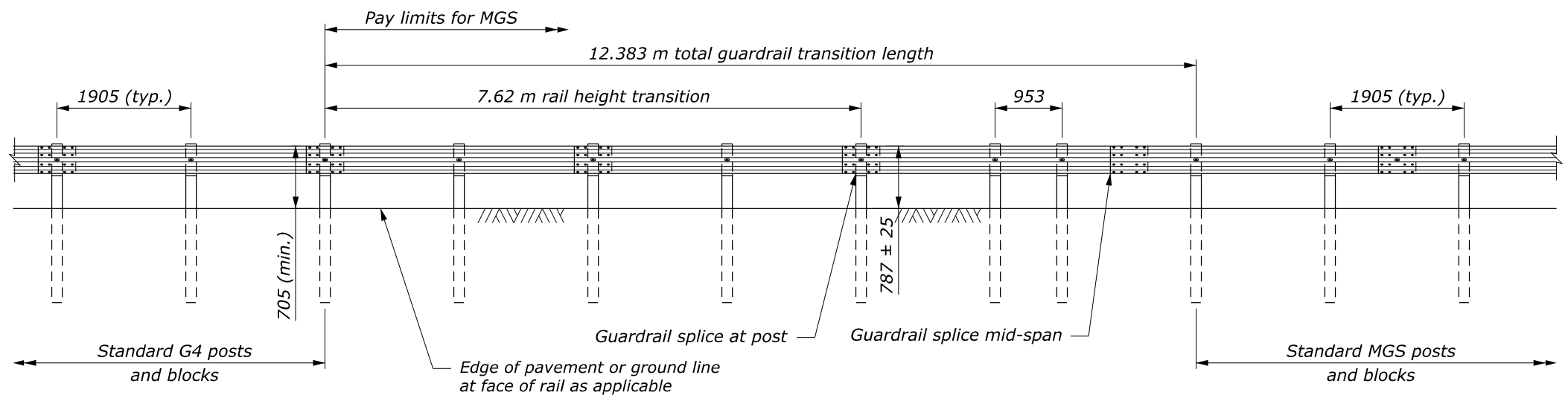


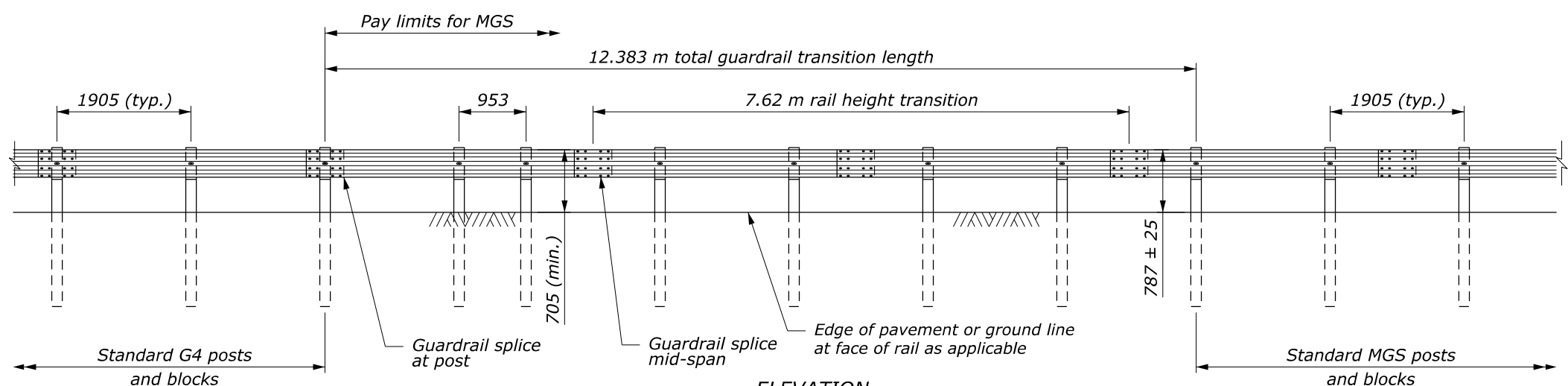
ELEVATION
OMITTED POST OPTION

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 203 mm wide G4 blockout to the 305 mm wide MGS blockout may occur anywhere within the length of the G4 to MGS transition shown on this sheet.
4. See Standards M617-10, M617-11, M617-31, or M617-32 for other assembly details.
5. Dimensions without units are millimeters.



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	
METRIC FLH STANDARD	
G4 TO MGS W-BEAM GUARDRAIL TRANSITION	
STANDARD APPROVED FOR USE 7/2022	STANDARD
REVISED:	M617-39

c:\pwwork\0419223\Std617-39.dgn [Std: M617-39] 10 August 2022 2:52 PM

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