



		PROJECT	SHEET NUMBER
			HOUDER
TE:			
Sheet 1	of 2 for terminal la	ayout.	
zinc rich	paint to coat field	drilled holes.	
	and hardware are 1 -3 and rub rail at		
eel plate ((see Detail)		
	- - -		
	M16 x 50) bolt (typ.)	
er —	22 Nut ((typ.)	
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ST CON 2, AND	INECTION 3		
44			
22			
	5 Thickness	5	
	25 dia. hole	2	
IZED SQ	UARE WASHER		
	FEDER	PARTMENT OF TRANSPORTAT AL HIGHWAY ADMINISTRATIO	NC
	ME	OF FEDERAL LANDS HIGHW	
	BACK SLO	BEAM GUARE PE ANCHOR TE PE MGS-BAT	
CALE	STANDARD APPRO	Sheet 2 of 2 VED FOR USE 6/2022	STANDARD
CALE	REVISED:		M617-18

M617-18

NO SCALE

MGS W-Beam Guardrail, Back Slope Anchor Terminal Type MGS-BAT

General Information

Appropriate Applications.

• In areas of cut sections, or where the road is transitioning from cut to fill, the back slope anchor terminates a W-beam guardrail installation by burying the end into a slope.

Crash Test Criteria	MASH	
Test Level	TL-3	
FHWA Eligibility Letter	None available	
TF 13 Designator	Not posted	
Crash Test Report	TTI report	
	608431-01-1&2	

Limitations. Need a steep, natural backslope to bury the terminal into (1V:3H or steeper). Need a 1V:4H or flatter foreslope.

Layout Guidance.

- See AASHTO Roadside Design Guide, Section 8.3.6.1
- Carefully review the site, especially the foreslope, backslope, and ditch configuration. Verify onsite drainage needs can be met.

Typical Pay Item Used

• 61702-1700 Terminal section, type MGS-BAT [EA]

Updates

February 2019

New Detail drawing

April 2020

• Revised LON point, note 2, added rail height callouts, revised steel post callouts

August 2021

• Converted from CFL Detail to FLH Standard, updated notes, and plate detail