



| | | 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