

VDOT 2016 Road and Bridge Standards
Section 500 - Guardrail, Fences, and Markers

Standard	Page	Title	NOTES
GR-HDW	501.01	Standard Guardrail Hardware	
	501.02	Standard Guardrail Hardware W-Beam Guardrail Hardware	
	501.03	Standard Guardrail Hardware Thrie Beam Guardrail Hardware	
GR-2, 2A	501.04	Standard Blocked-Out W Beam Guardrail (Strong Post System)	
	501.05	Standard Blocked-Out W Beam Guardrail (Strong Post System, Post and Blockout Details)	
GR-3	501.06	Cable Guardrail	
	501.07	Cable Guardrail	
	501.08	Cable Guardrail	
GR-6	501.09	Terminal Treatment for W Beam Guardrail	
	501.10	Terminal Treatment for W Beam Guardrail	
GR-7	501.11	Flared End Terminal - 4' Flare	
	501.12	Flared End Terminal - 4' Flare	
	501.13	Guardrail Terminal Installation Site Preparation Requirements for GR-7	
GR-8, 8A, 8B, 8C	501.14	Standard W Beam Guardrail (Weak Post System)	
	501.15	Standard W Beam Guardrail (Weak Post System)	
GR-9	501.16	Tangent Terminal - No Flare	
	501.17	Guardrail Terminal Installation Site Preparation Requirements for GR-9	

VDOT 2016 Road and Bridge Standards
Section 500 - Guardrail, Fences, and Markers

Standard	Page	Title	NOTES
GR-10	501.18	Guardrail at Low-Fill Culvert	
	501.19	Guardrail at Low-Fill Culvert	
GR-11	501.20	Trailing End Terminal Treatment	
BGR-01	501.22	Standard Box Culvert Guardrail (Texas T-6)	
	501.23	Standard Box Culvert Guardrail (Texas T-6)	STANDARD REVISED APRIL 2020, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
	501.24	Standard Box Culvert Guardrail (Texas T-6)	
GR-FOA-1	501.25	W Beam Guardrail-Fixed Object Attachment For Use With Vertical Fixed Objects and Guardrail (Wood Post)	
	501.26	W Beam Guardrail-Fixed Object Attachment For Use With Vertical Fixed Objects and Guardrail (Steel Post)	
	501.27	W Beam Guardrail-Fixed Object Attachment Rubrail and Hardware Details	
GR-FOA-2	501.28	W Beam Guardrail Object Attachment For Use Between Safety Shape and Guardrail (Wood Posts)	
	501.29	W Beam Guardrail-Fixed Object Attachment For Use Between Safety Shape - Steel Posts	
GR-FOA-2 & 4	501.30	W Beam Guardrail-Fixed Object Attachment Rubrail and Hardware Details	
GR-FOA-4	501.31	Blocked-Out W-Beam Median Barrier - Fixed Object Attachment For Use Between MB-7 & MB-3	
	501.32	Blocked-Out W-Beam Median Barrier - Fixed Object Attachment Rubrail and Hardware Details	
FOA-CZ	501.33	W-Beam Guardrail Installation Criteria Fixed Object Attachment Methods For Construction Zones	

VDOT 2016 Road and Bridge Standards
Section 500 - Guardrail, Fences, and Markers

Standard	Page	Title	NOTES
GR-INS	501.34	W Beam Guardrail Installation Criteria	
	501.35	W Beam Guardrail Installation Criteria	
	501.36	W Beam Guardrail Installation Criteria	
	501.37	W Beam Guardrail Installation Criteria	
	501.38	W Beam Guardrail Installation Criteria	
	501.39	W Beam Guardrail Installation Criteria	
	501.40	W Beam Guardrail Installation Criteria	
	501.41	W Beam Guardrail and Median Barrier Installation Criteria	
MB-3	502.01	Blocked-Out W Beam Median Barrier	
MB-5	502.02	Standard W Beam Median Barrier (Weak Post System)	
	502.03	Standard W Beam Median Barrier (Weak Post System)	
MB-7D, 7E, 7F	502.04	Concrete Median Barrier	
MB-7D PC	502.05	Precast Traffic Barrier Concrete Service	
	502.06	Precast Traffic Barrier Concrete Service	
MB-8A	502.07	Concrete Median Barrier with F Shape Type I, II, or III	

VDOT 2016 Road and Bridge Standards
Section 500 - Guardrail, Fences, and Markers

Standard	Page	Title	NOTES
MB-8A	502.08	Concrete Median Barrier with F Shape Type I, II, or III	
MB-9A	502.09	Cast in Place Concrete Median Barrier 12 Foot Terminal Section	
MB-9A PC	502.10	Precast Concrete Median Barrer 12 Foot Terminal Section	
MB-10A	502.11	Traffic Barrier Service for Concrete Parapet (Single Face) (For Temporary Installation on Bridge Deck Exterior)	
	502.12	Traffic Barrier Service for Concrete Parapet (Single Face) (For Temporary Installation on Bridge Deck Exterior)	
MB-11A	502.13	Traffic Barrier Service for Concrete Parapet (Double Face) (For Temporary Installation on Bridge Deck Exterior)	
	502.14	Traffic Barrier Service for Concrete Parapet (Double Face) (For Temporary Installation on Bridge Deck Exterior)	
	502.15	Traffic Barrier Service Concrete Parapet (Double Face) (For Temporary Installation on Roadways)	
MB-12A, B, C	502.16	Concrete Median Barrier (Tall Wall)	
	502.17	Concrete Median Barrier (Tall Wall)	
MB-13	502.18	Concrete Median Barrier Type I, II, or III	
	502.19	Concrete Median Barrier Type I, II, or III	
MB-INS	502.23	Butting Traffic Barrier Service to Single Face Parapet Service	
	502.24	Butting Traffic Barrier Service to Single Face Parapet Service	

VDOT 2016 Road and Bridge Standards
Section 500 - Guardrail, Fences, and Markers

Standard	Page	Title	NOTES
	503.01	Standard Fence General Notes	
FE-W1, W2	503.02	Standard Fence Woven Wire Fabric	
FE-B	503.03	Standard Fence Barbed Wire	
FE-CL	503.04	Standard Fence Chain Link	
FE-G	503.05	Standard Fence Gates	
FE-4	503.06	Water Gates in Fence Lines	
FE-6	503.07	Standard Method of Fence & Handrail Grounding	
RM-1	504.01	Standard Plan and Method of Setting Right of Way Monuments	
RM-2	504.02	Standard Plan and Method of Setting Right of Way Monuments	
IA-1	505.01	Impact Attenuator Type 1 Re-Directive Permanent Installation (TL-3 ≥40 mph)	STANDARD REVISED DECEMBER 2018, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
	505.02	Impact Attenuator Type 1 Re-Directive Permanent Installation (TL-3 ≥40 mph)	STANDARD REVISED DECEMBER 2018, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
	505.03	Impact Attenuator Type 1 Re-Directive Permanent Installation (TL-3 ≥40 mph)	STANDARD REVISED DECEMBER 2018, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
IA-2	505.04	Impact Attenuator Type 1 Re-Directive Permanent Installation (TL-2 < 40 mph)	STANDARD REVISED DECEMBER 2018, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
	505.05	Impact Attenuator Type 1 Re-Directive Permanent Installation (TL-2 < 40 mph)	STANDARD REVISED DECEMBER 2018, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
IA-LM	505.10	Impact Attenuator Low Maintenance Type 1 Re-Directive (TL-3 ≥40 mph)	STANDARD REVISED DECEMBER 2018, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
	505.11	Impact Attenuator Low Maintenance Type 1 Re-Directive (TL-3 ≥40 mph)	STANDARD REVISED DECEMBER 2018, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK

VDOT 2016 Road and Bridge Standards
Section 500 - Guardrail, Fences, and Markers

Standard	Page	Title	NOTES
MGS-HDW	506.01	MGS Standard Guardrail Hardware	
	506.02	MGS Standard Guardrail Hardware W-Beam Guardrail Hardware	
	506.03	MGS Standard Guardrail Hardware Thrie Beam Guardrail Hardware	
GR-MGS1, 1A	506.04	Midwest Guardrail System (Standard and Reduced Post Spacing)	
	506.05	Midwest Guardrail System (Standard and Reduced Post Spacing)	
GR-MGS2	506.06	Midwest Guardrail System (Tangent End Terminal)	STANDARD REVISED SEPTEMBER 2017, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
	506.07	Midwest Guardrail System (Tangent End Terminal)	STANDARD REVISED SEPTEMBER 2017, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
	506.08	Midwest Guardrail System (Tangent End Terminal)	STANDARD REVISED SEPTEMBER 2017, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
GR-MGS3	506.09	Midwest Guardrail System (Trailing End Anchorage)	
	506.10	Midwest Guardrail System (Trailing End Anchorage)	
GR-MGS4	506.11	Midwest Guardrail System (Transition from MGS 31" Height To GR-2 27 3/4" Height)	STANDARD REVISED SEPTEMBER 2017, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
GR-MGS-INS	507.01	MGS W-Beam Guardrail Installation Criteria	
	507.02	MGS W-Beam Guardrail Installation Criteria	
	507.03	MGS W-Beam Guardrail Installation Criteria	STANDARD REVISED SEPTEMBER 2017, FOR PREVIOUS VERSION OF STANDARD FOLLOW THIS LINK
	507.04	MGS W-Beam Guardrail Installation Criteria	
	507.05	MGS W-Beam Guardrail Installation Criteria (Leave Out For Standard Guardrail Post Installation)	NEW STANDARD APRIL 2019
GR-FOA-5	508.01	Thrie-Beam - Fixed Object Attachment (For Use With Vertical Face Terminal Walls And MGS Guardrail)	NEW STANDARD APRIL 2019
	508.02	Thrie-Beam - Fixed Object Attachment (For Use With Vertical Face Terminal Walls And MGS Guardrail)	NEW STANDARD APRIL 2019

VDOT 2016 Road and Bridge Standards
Section 500 - Guardrail, Fences, and Markers

Standard	Page	Title	NOTES
TCB-1	509.01	Temporary Concrete Barrier (MASH Freestanding Precast Pin And Loop For Temporary Use)	NEW STANDARD APRIL 2020
	509.02	Temporary Concrete Barrier (MASH Freestanding Precast Pin And Loop For Temporary Use)	NEW STANDARD APRIL 2020
	509.03	Temporary Concrete Barrier (MASH Freestanding Precast Pin And Loop For Temporary Use)	NEW STANDARD APRIL 2020