

## SYSTEMS

	<b>Function</b>	<b>Type</b>	<b>Sequence Number</b>	<b>Option</b>
System	<b>Bridge Rail</b>	Aluminum <b>Box</b> Concrete Shape <b>Wood</b> Thrie Beam <b>W-beam</b>	01-99	a-c
	<b>Crash Cushion</b>	<b>Independent</b> <b>W beam</b> <b>Thrie beam</b>	01-99	
	<b>End Treatment or Terminal</b>	<b>Box</b> <b>Cable</b> <b>Thrie Beam</b> <b>W-beam</b> <b>Rigid</b>	01-99	a-z
	<b>Guardrail</b>	<b>Roadside barrier</b> <b>Median barrier</b>	01-99	a-z
	<b>Transitions</b>	Guardrail to <b>Bridge rail</b> Guardrail to guardrail	01-99	a-z
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BCT Bearing Plate .....	FPB01
Terminal Connector Bearing Plate .....	FPB02
Anchor Bolt Bearing Plate .....	FPB03
Anchor Bolt Bearing Plate .....	FPB04
Bearing Plate .....	FPB05
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Aluminum Rail Clamp Bar .....	FPC01-02
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Shelf Angle Bracket .....	FPP02
Box Beam Terminal Support Bracket .....	FPP03
Box Beam Rail Support Plate .....	FPP04
Driveway End Post Bracket .....	FPP05
Hooked Anchor Stud and Nut .....	FRH16a-36b
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Hardened Round Washer . . . . .	FWC12b-36b
Square Guardrail Washer . . . . .	FWR01
Rectangular Guardrail Plate Washer . . . . .	FWR03
Plate Washer . . . . .	FWR06
Anchor Plate . . . . .	FWR07
3-Cable Guardrail Back-up Washer . . . . .	FWR08
Tubular Bridge Post Bearing Plate . . . . .	FWR09

**Post Components**

BR1 Type C Aluminum Post Base Plate . . . . .	PAB02
BR2 Type C Aluminum Post Base Plate . . . . .	PAB03
Variable Resistance Extruded Post . . . . .	PAF01
BR1 Type C Aluminum Bridge Post . . . . .	PAF02
BR2 Type C Aluminum Bridge Post . . . . .	PAF03
BR2 Type A Aluminum Bridge Post . . . . .	PAF07
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Cable Guardrail Terminal Anchor Assembly . . . . .	POF03
Weak-Post Turned Down Terminal Anchor . . . . .	POF04
Cable Guardrail Post & Welded Soil Plate . . . . .	PSE01
Weak Post Guardrail Post & Welded Soil Plate . . . . .	PSE03
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Foundation Tube . . . . .	PTE05
Tubular Bridge Post . . . . .	PTF01
W-Beam Guardrail Blockout . . . . .	PWB01
Thrie Beam Guardrail Blockout . . . . .	PWB02
Modified Thrie Beam Blockout . . . . .	PWB03
Wide-Flange Guardrail Post . . . . .	PWE01-04
Wide-Flange Median Barrier Post . . . . .	PWE05
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Round Tube Aluminum Bridge Rail . . . . .	RAM02
Semi-Elliptical Aluminum Bridge Rail . . . . .	RAM06
Large Semi-Elliptical Aluminum Bridge Rail . . . . .	RAM07
TRU-Beam Aluminum Barrier Rail . . . . .	RAM08
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Large Semi-Elliptical Aluminum Rail Splice . . . . .	RAS07
TRU-Beam Rail Splice . . . . .	RAS08
Square Box Beam Rail . . . . .	RBM01
Box Beam Guardrail End Rail . . . . .	RBM05
Rectangular Tube Bridge Rail . . . . .	RBM06
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Rectangular Tube Bridge Rail . . . . .	RBM10
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Box Beam Guardrail End Rail . . . . .	RBM13
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Tube Rail Splice . . . . .	RBS03
Compensating Cable End Assembly . . . . .	RCE01
Cable End Fitting . . . . .	RCE03
Wire Rope . . . . .	RCM01
MELT Diaphragm Plate . . . . .	REE01
Bent Plate Rub Rail . . . . .	RER01
Channel-Section Rub Rail and Splice . . . . .	RLR01
Safety Shape Portable Concrete Barrier . . . . .	ROM01
F Shape Portable Concrete Barrier . . . . .	ROM02
Visi-Barrier New Jersey Shape . . . . .	ROM04
Visi-Barrier F Shape . . . . .	ROM05
Collapsing Tube . . . . .	RPX01
Thrie-Beam Back-up Plate . . . . .	RTB01a-b
Thrie-Beam Terminal Connector . . . . .	RTE01b
Thrie-Beam End Section (Rounded) . . . . .	RTE02a
Thrie-Beam End Section (Buffer) . . . . .	RTE03a-04b
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4-Spaced Thrie-Beam Guardrail . . . . .	RTM04a-b
6-Spaced Thrie-Beam Guardrail . . . . .	RTM06a-b
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3-Space W-Beam Guardrail .....	RWM03a-b
4-Space W-Beam Guardrail .....	RWM04a-b
6-Space W-Beam Guardrail .....	RWM06a-b
8-Space W-Beam Guardrail .....	RWM08a-b
Tubular W-Beam Rail .....	RWM10a
Turned-Down W-Beam Terminal Section .....	RWM11a
Bullnose Anchor Rail Section .....	RWM13a
BCT Terminal Rail Section .....	RWM14a
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2-Tube Curb-Mounted Bridge Railing .....	SBB01a
2-Tube Curb-Mounted Bridge Railing .....	SBB01b
W and Tube Beam Bridge Railing .....	SBB02a
Side-Mounted Rectangular Tube Bridge Railing .....	SBB03a
Vertical-Wall Bridge Railing .....	SBC01a-c
Open-Profile Concrete Bridge Railing .....	SBC02a
Aesthetic Balustrade Bridge Railing .....	SBC03a
F Shape Concrete Bridge Railing .....	SBC04b-c
Safety-Shape Concrete Bridge Railing .....	SBC05b
Safety-Shape Concrete Bridge Railing .....	SBC06b
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Permanent Half Section Precast Concrete Barrier .....	SBC18b
Permanent Median Precast Concrete Barrier .....	SBC19b
Visi-Barrier, Safety Shape System .....	SBC20a
Side-Mounted Thrie-Beam Bridge Railing .....	SBT01a
Tubular W-Beam Bridge Railing .....	SBW01a
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Hi-Dro Cell Cluster .....	SCI02
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WY-BET Wyoming Box Beam End Terminal .....	SEB03
WY-BET Wyoming Box Beam End Terminal (Median) .....	SEB04

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Trend System . . . . .	SET01
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Strong-Post Median Barrier with Rubrail . . . . .	SGM06a-b
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Safety-Shape Median Barrier . . . . .	SGM11a
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3N Median Barrier . . . . .	SGM13
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Weak-Timber Post Cable Guardrail . . . . .	SGR01c
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Weak-Post Box-Beam Guardrail . . . . .	SGR03
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## INDEX TO 1979 DESIGNATORS

The following list contains the components retained in this guide that were included in the 1979 *A Guide to Standardized Barrier Rail Hardware*. The components are listed using the 1979 designator cross-referenced to the new designator and followed by the component drawing title.

<b>1979 Designator</b>	<b>New Designator</b>	<b>Title</b>
<b>Fastener Components</b>		
F-1-76	FBH01-03	Cable Hook Bolt and Nut
	FBH04	Shouldered Cable Hook Bolt and Nut
F-3-76	FBB01-05	Trimmed Guardrail Bolt and Recessed Nut
F-4-76	FWR01	Square Guardrail Washer
F-5-76	FBX10a	Hex Bolt and Nut
F-6-76	FBX12a	Hex Bolt and Nut
	FNX12a	Hex Nut
F-7-76	FBX12b	High-Strength Hex Bolt and Nut
	FNX12b	High-Strength Hex Nuts
F-8-76	FBX16a	Hex Bolt and Nut
	FNX16a	Hex Nut
F-9-73	FBC16	Carriage Bolt
F-10-79	FBX20a	Hex Bolt and Nut
	FNX20a	Hex Nut
F-11-73	FBX20b	High-Strength Structural Hex Bolt and Nut
	FNX20b	High-Strength Structural Hex Nuts
	FWC20b	Hardened Round Washer
F-12-73	FWR03	Rectangular Guardrail Plate Washer
F-13-73	FWC16a	Plain Round Washer
F-20-73	FPC01-02	Aluminum Rail Clamp Bar
F-25-73	FBT12	Toggle Bolts
F-26-73	FBX24b	Hex Bolt and Nut
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F-30-73	FRS16a	Straight Anchor Stud and Nuts
F-31-73	FRS20b	Straight Anchor Stud and Nuts
F-32-73	FRS28a	Straight Anchor Stud and Nuts
F-34-76	FMM02	BCT Post Sleeve
	FMM03-04	Pipe Sleeve Spacer
F-35-76	FWC24a	Plain Round Washer
F-36-79	FPB01	BCT Bearing Plate
F-37-76	FCA01	BCT Cable Anchor Assembly
F-42-79	FBX16b	High-Strength Structural Hex Bolt and Nut

<b>1979 Designator</b>	<b>New Designator</b>	<b>Title</b>
F-44-79	FRH20b FRJ20b	Hooked Anchor Stud and Nuts J-Hook Anchor Stud and Nuts
<b>Post Components</b>		
P-1-76	PSE01	Cable Guardrail Post & Welded Soil Plate
P-3-76	PSE03	Weak Post Guardrail Post & Welded Soil Plate
P-4-76	PLS01	Weak Post Soil Plate
	PSE08	Weak Post Box-Beam Post and Welded Soil Plate
P-5-76	FPP01	Box Beam Guardrail Support Bracket
P-6-79	PSE07	Weak Post Box-Beam Post and Welded Soil Plate
P-7-76	FPP04	Box Beam Rail Support Plate
P-10-79	PWB01	W-Beam Guardrail Blockout
	PWE02	Wide-Flange Guardrail Post
P-11-79	PDB01	W-beam Timber Blockout
	PDE02	Timber Guardrail Post
P-30-73	PAF07	BR2 Type A Aluminum Bridge Post
P-35-73	PAF02	BR1 Type C Aluminum Bridge Post
P-36-73	PAB02	BR1 Type C Aluminum Base Plate
P-37-73	PAF03	BR2 Type C Aluminum Bridge Post
P-38-73	PAB03	BR2 Type C Aluminum Base Plate
P-42-79	PWF01	Culvert Mounted Guardrail Post
P-54-79	PWB02	Thrie Beam Guardrail Blockout
	PWE03	Wide-flange Guardrail Post
P-55-79	PDB02	Thrie-beam Timber Blockout
	PDE04	Timber Guardrail Post
P-59-76	PDF01	BCT Timber Post
	PDF02	Long BCT Timber Post
<b>Rail Components</b>		
RE-1-76	FMM01	Cable Wedge
	RCE01	Compensating Cable End Assembly
	RCE03	Cable End Fitting
	RCM01	Wire Rope
RE-3-73	RWM01a	W-Beam Spacer Guardrail
	RWM02a	2-Space W-Beam Guardrail
	RWM03a	3-Space W-Beam Guardrail
	RWM04a	4-Space W-Beam Guardrail
	RWM06a	6-Space W-Beam Guardrail
	RWM08a	8-Space W-Beam Guardrail
	RWM22a	Long 2-Space W-Beam Guardrail
RE-4-76	RWB01a	W-Beam Back-up Plate

<b>1979 Designator</b>	<b>New Designator</b>	<b>Title</b>
RE-5-76	RWE01a	W-Beam End-Section (Flared)
RE-6-79	RWE03a	W-Beam End Section (Rounded)
RE-7-79	RWE04a	MELT W-Beam End Section
	RWE05a-07a	W-Beam End Section (Buffer)
RE-8-79	RWE02b	W-Beam Terminal Connector
RE-9-73	RLR01	Channel-Section Rub Rail and Splice
RE-10-76	RBM01	Square Box Beam Rail
RE-11-73	RBS01	Square Box Beam Splice
RE-12-76	RBM11	Box Beam Median Barrier Rail
RE-13-73	RBS02	Rectangular Box Beam Splice
RE-39-73	RAM02	Round Tube Aluminum Bridge Rail
RE-40-73	RAS02	Round Tube Aluminum Rail Splice
RE-41-73	RAE02	Round Aluminum Rail End Cap
RE-58-73	RAM06	Semi-Elliptical Aluminum Bridge Rail
RE-59-73	RAS06	Semi-Elliptical Aluminum Rail Splice
RE-63-76	RTM02a	2-Space Thrie Beam Guardrail
	RTM03a	3-Spaced Thrie Beam Guardrail
	RTM04a	4-Spaced Thrie Beam Guardrail
	RTM06a	6-Spaced Thrie Beam Guardrail
RE-64-76	RTB01a	Thrie-Beam Back-up Plate
RE-65-79	RTE02a	Thrie-Beam End Section (Rounded)
RE-66-79	RTE03a-04a	Thrie-Beam End Section (Buffer)
RE-67-76	RTE01b	Thrie-Beam Terminal Connector
RE-68-79	RTM01a	1-Spaced Thrie Beam Guardrail
RE-69-76	RWT01a-b	W-Thrie Beam Transition Section
RE-71-79	FPA01	Guardrail Anchor Bracket
RE-72-76	RER01	Bent Plate Rub Rail
A.7.1	RAM07	Large Semi-Elliptical Aluminum Bridge Rail
A.7.2	RAS07	Large Semi-Elliptical Aluminum Rail Splice
<b>Work-Zone Supplement</b>		
PCB-5-88	FMW01	Pin and Rebar PCB Connector
PCB-8-88	ROM01	Safety Shape Portable Concrete Barrier
PCB-12-88	ROM02	F Shape Portable Concrete Barrier