



Approved Proprietary Noise Barrier Systems

Barrier System	Sierra Wall	Contact Information	Matthew Smith
Manufacturer	Smith-Midland		540-439-3266
Post Material	Concrete		5119 Catlett Road
Panel Material	Concrete		P.O. Box 300
Maximum Height	24'		Midland, VA 22728
Post Spacing Options	12'		
Comments	Combined Post and Panel System where one post is cast integrally with the panel.		
Barrier System	AngleWall	Contact Information	Gary Figallo
Manufacturer	Faddis Concrete Products		201-888-1553
Post Material	N/A		3515 Kings Highway
Panel Material	Concrete		Downingtown, PA 19335-1948
Maximum Height	24'		
Post Spacing Options	15' Panel Lengths		
Comments	This system contains interlocking panels placed at angles for stability. The system does not contain a caisson foundation, the panels are placed on a compacted crushed stone base.		
Barrier System	Precast Post & Panel Noise Barrier	Contact Information	Timothy Poppenberg, PE
Manufacturer	Hanson Pipe and Precast		610-970 2216
Post Material	Concrete		201 S. Keim Street
Panel Material	Concrete		Pottstown, PA 19484
Maximum Height	27'		
Post Spacing Options	12', 16', or 20'		
Comments			

Proprietary Noise Barrier Information

All proprietary noise barrier systems utilize caisson foundations unless otherwise noted in the comments.

In order for a proprietary Noise Barrier System to be constructed within Maryland Department of Transportation State Highway Administration (MDOT SHA) right-of-way, the system must be on the above list of Approved Proprietary Noise Barrier Systems maintained by MDOT SHA's Office of Structures. In order to be included on this list, a proprietary noise barrier system must go through an approval process with MDOT SHA's Office of Structures, which examines the design theory, history of system, calculations, etc.

In order to be considered for an MDOT SHA project, the noise barrier system must be included on the approved list prior to a project's bid opening. On some occasions the use of certain noise barrier systems is limited based on aesthetic or other reasons. The inclusion of noise barrier system on an MDOT SHA project depends on the barrier's ability to meet site specific or project requirements.

The approval of a noise barrier system does not extend to approval of precast plants or to the approval of the materials to construct the wall. All precasters and materials used on MDOT SHA projects must be approved by MDOT SHA's Office of Materials Technology prior to use.

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Barrier System	StoneWall	Contact Information	Gary Figallo
Manufacturer	Faddis Concrete Products		201-888-1553
Post Material	Concrete		3515 Kings Highway
Panel Material	Concrete		Downingtown, PA 19335-1948
Maximum Height	38' (16' post spacing), 34' (20' post spacing)		
Post Spacing Options	16' and 20'		
Comments			

Barrier System	ShoreWall	Contact Information	Gary Figallo
Manufacturer	Faddis Concrete Products		201-888-1553
Post Material	Concrete		3515 Kings Highway
Panel Material	Concrete		Downingtown, PA 19335-1948
Maximum Height	36' (includes fill height)		
Post Spacing Options	16' and 20'		
Comments	Barrier system retaining earth fill up to 8' to be used with the StoneWall System. Maximum Height of Wall above ground depends on amount of fill retained.		

Barrier System	Paraglass Soundstop ReadyFit Panels	Contact Information	Jeff Zgorski
Manufacturer	Evonik Cyro, LLC		860-356-7984
Post Material	MDOT SHA Details		1796 Main Street
Panel Material	Acrylic		Sanford, ME 04073-9954
Maximum Height	34'		
Post Spacing Options	12', 16', and 20'		
Comments	This system contains transparent noise barrier panels with a steel frames to be used with SHA Standard Posts.		

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Barrier System	Durisol NB-15	Contact Information	Andrew Weaver
Manufacturer	Durisol USA		302-299-6821
Post Material	MDOT SHA Details		8270 Greensboro Drive
Panel Material	Concrete w/absorptive material		#810
Maximum Height	24'		McClellan, VA 22102
Post Spacing Options	15'		
Comments	This system uses MDOT SHA posts on a 15' spacing.		

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