

SOUND BARRIER WALL DESIGN PROCEDURES

The necessity for sound barrier walls is determined by the Environmental Division. If the wall is deemed necessary, the Environmental Division will contact the Road Designer concerning requirements for the sound wall design. Environmental Division will determine the location and profile elevation of the sound wall and the Road Designer will include the information in the plan assembly.

The contractor is responsible for the design and construction of the sound wall based on the Special Provision and applicable industry guidelines (such as AASHTO Guide Specifications for Structural Design of Sound Barriers). These Special Provisions specify the design and construction requirements as part of the road project specifications.

Special Provisions for the sound barrier wall designed by VDOT engineers are prepared by the Scheduling and Contract Division.

For sound barrier walls designed by consultants, Engineering Development and Project Management Section shall advise the consultants to contact [Standards/Special Design Section](#) for input and direction prior to initiating the development of special provisions. When [Standards/Special Design Section](#) is made aware of a need for special provisions, it will coordinate with the Scheduling and Contract Division and provide Engineering Development and [Project Management Sections](#) a suggested draft of the provisions.

If Sound Wall is adjacent to the roadway shoulder then a Concrete Traffic Barrier Service Standard MB-7D is to be used, see detail below.*

* Rev. 7/12