

SUPERIOR STRUCTURE MOUNTED NOISE BARRIERS

STANDARD AND CUSTOMIZABLE STRUCTURE MOUNTED NOISE BARRIER SYSTEMS WITH LIGHTWEIGHT, TRANSPARENT NOISE BARRIER PANELS.

SUPERIOR Structure Mounted Noise Barriers are an ultra-lightweight system that provides effective noise abatement and, if needed, fragment retention in the event of a collision with an errant vehicle.

BENEFITS

- Complete systems weigh as little as 12 pounds per square foot
- Allows natural light onto roadway
- 30-year warranty – panels will not yellow or haze despite decades of outdoor exposure
- SUPERIOR Break Safe Panel option prevents panel fragments from falling if an accident causes panels to fracture
- Meets AASHTO impact requirements for use in the designated Clear Zone
- SUPERIOR Bird Safe stripe and tinted colors available

GENERAL INFORMATION

Structure mounted systems commonly utilize posts at 8' intervals but may be shorter or up to 16' wide depending on project and state requirements.

Barriers may utilize SUPERIOR Transparent Panels, SUPERIOR Break Safe Panels with fragment retaining filaments, or SUPERIOR non-transparent noise barrier panels.

SUPERIOR Structure Mounted Noise Barriers may be mounted to the top or back face of approved concrete bridge rails.



WOODROW WILSON BRIDGE

Top Mounted
Design Using HSS
Steel Posts

PRODUCT OFFERING

SUPERIOR Structure Mounted Noise Barrier Systems are engineered to meet the most stringent AASHTO and State specific requirements.

Standard systems may be customized to fit each specific project and often include sealed design calculations and drawings.

SUPERIOR Structure Mounted Noise Barrier Systems may use standard SUPERIOR transparent panels, Bird Safe panels, Break Safe fragment retaining panels, or non transparent panels.

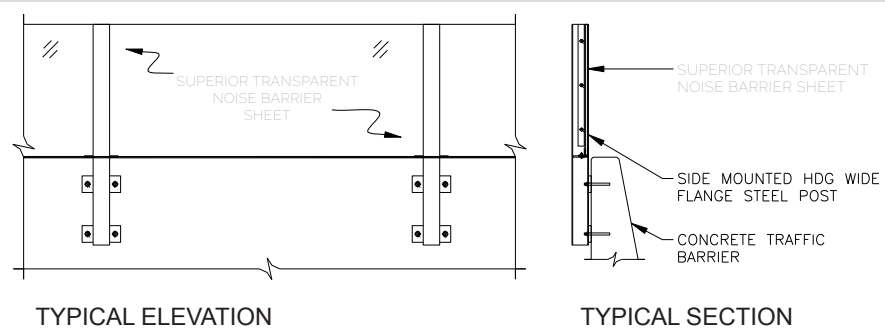
Available in colorless and seven standard colors, with other colors available upon request.

SUPERIOR Structure Mounted Noise Barrier Systems include steel posts, anchors, installation instructions and associated hardware required to install the noise barrier system to a concrete bridge rail. Options for fully engineered drawings and on-site technical support are available.

SUPERIOR STRUCTURE MOUNTED NOISE BARRIERS

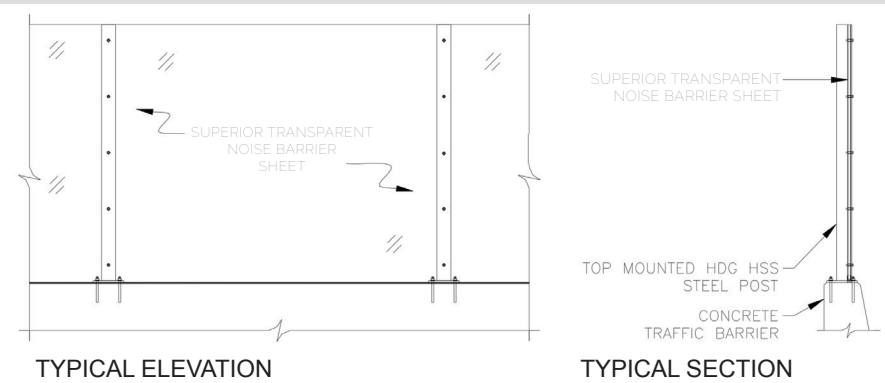
EXAMPLE PLAN VIEW #1

Mounted to Back Surface of Concrete Bridge Rail



EXAMPLE PLAN VIEW #2

Mounted to Top Surface of Concrete Bridge



TAPPAN ZEE BRIDGE



SPECIFICATIONS

Typical system weights range from 12 to 25 pounds per square foot. Increasing barrier heights and design wind loads are the main factors affecting system weight.

Posts may be spaced up to 8 feet wide for single transparent panels, without structural horizontal framing, up to 20' high. See Example Plan View #1.

Posts may be spaced up to 16 feet wide (subject to authority limitations) with structural horizontal framing, up to 32' high. See Example Plan View #2.

Systems are capable even for very high design wind loads typical of coastal, hurricane prone areas.

SUPERIOR Transparent Panels pass the Miami Dade County (ASTM E 1996/97-02) Impact Test, showing no damage from the large missile impact test.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether expressed or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technical progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products should be used.