EKHO
INFRASTRUCTURE SOLUTIONS

ACRYLITE® SOUNDSTOP MASH TL-4 NOISE BARRIER SYSTEM

A lightweight, crash-tested noise barrier system designed for use in the clear zone on bridges and elevated structures.

CLEARLY, SAFETY.

When the decision to invest in safer infrastructure is clear, we recommend our MASH tested and approved transparent noise barrier systems. Our team is here to help transportation professionals design safer infrastructure that will improve quality of life.

TESTED TO MASH TL-4 IMPACT LOADS, ANGLES, AND SPEEDS.

While no one can predict the outcome of a collision, anticipating human mistakes by designing and managing road infrastructure to keep the risk of a mistake low; and when a mistake leads to a crash, the impact on the human body doesn't result in a fatality or serious injury. Road design and management should encourage safe speeds and manipulate appropriate crash angles to reduce injury severity (Credit: FHWA, The Safe Systems Approach).

TL-4 APPROVED

Tested to MASH TL-4 impact loads, angles and speeds

NOISE REDUCTION

Excellent sound insulating properties

LIGHTWEIGHT

As low as100 lbs per linear foot

FRAGMENT RETENTION

Embedded polyamide filaments retain fragments from collision damage

Our integrated traffic barrier and noise barrier system has been successfully tested under AASHTO's Manual for Assessing Safety Hardware (MASH) Test Level 4 conditions and can be found on State Department of Transportation qualified products list across the country.

SAFEST BARRIER AVAILABLE

TURNKEY SYSTEM

MASH TL-4 APPROVED

PEACE OF MIND

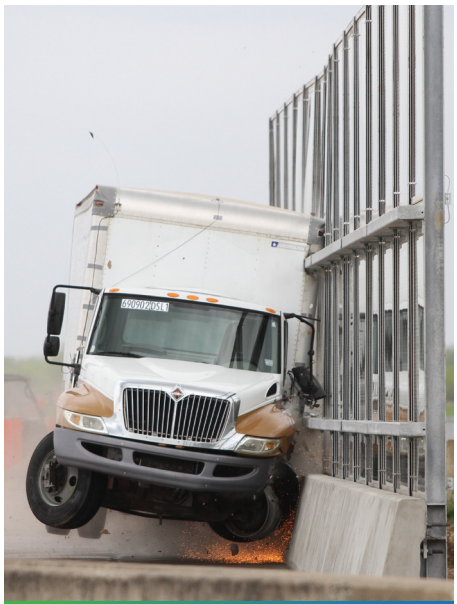
A SAFER SYSTEM

- Crash-tested to represent the worst practical conditions
- Limits vehicle roll and lean
- HSS rails help redirect box trucks
- Increased visibility with transparent panels

MANUAL FOR ACCESSING SAFETY HARDWARE (MASH) TEST LEVEL 4

TEXAS A&M TRANSPORTATION INSTITUTE PROVING GROUND, COLLEGE STATION, TX

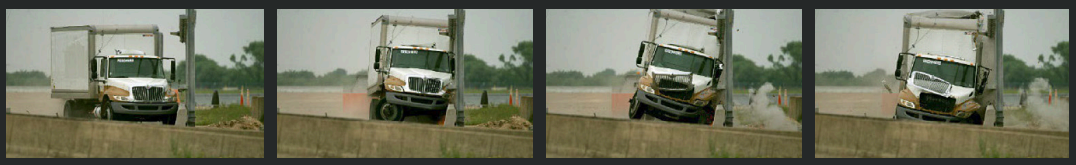
A 22,180LBS (10,060KG) TRUCK IMPACTS THE MASH TL-4 SYSTEM AT 58.5 MPH AT A 15°ANGLE



ACRYLITE® SOUNDSTOP MASH TL-4 SYSTEM STABILIZES THE VEHICLE

DAMAGED AREAS SHOW HOW THE ACRYLITE® SOUNDSTOP MASH TL-4 SYSTEM REDUCES THE SEVERITY OF THE CRASH

MASH 4-12 SEQUENTIALS



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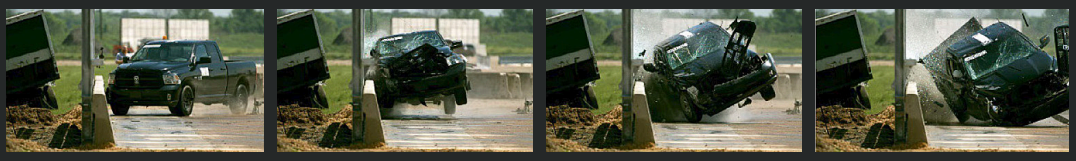
MASH 4-11 SEQUENTIALS



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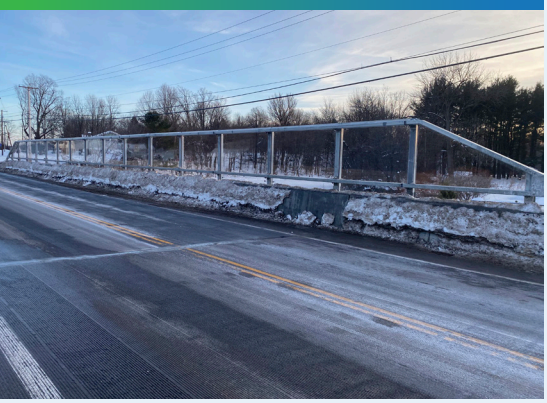
IMPORTANCE OF CRASH-TESTING

- Evaluates crashworthiness of device
- Assures real-world performance
- Reduces crash severity
- Helps achieve zero traffic deaths

SAFETY LEADERS ACROSS THE COUNTRY PROACTIVELY DESIGN TO REDUCE THE SEVERITY OF VEHICLE COLLISIONS.

PROJECT HIGHLIGHT

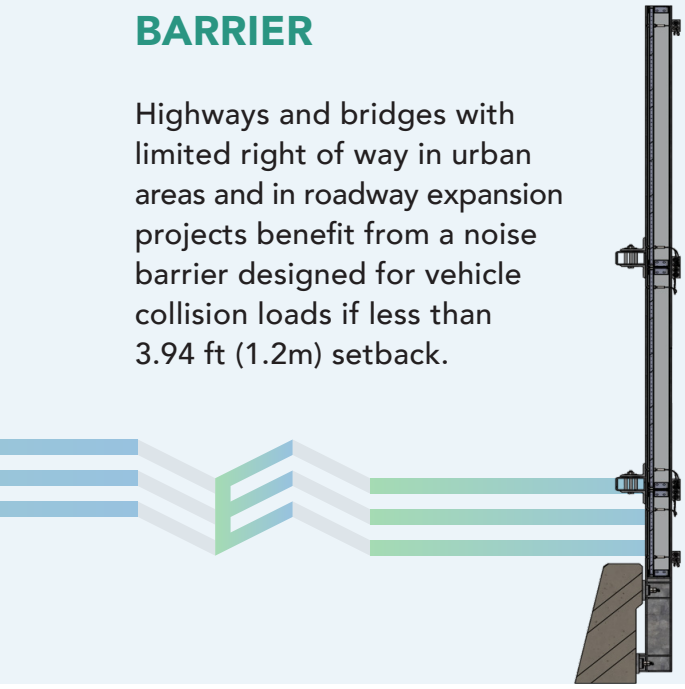
IT WAS IMPERATIVE TO THIS CITY'S DESIGNERS THAT UPGRADES WERE DONE TO KEEP VITAL INFRASTRUCTURE IN GOOD SHAPE AND UP TO THE LATEST SAFETY STANDARDS.



Installed to prevent Freeze spray from the nearby waterfall, this transparent barrier will improve roadway safety and maintain views of the river.

STRUCTURE-MOUNTED INTEGRAL TRAFFIC BARRIER

Highways and bridges with limited right of way in urban areas and in roadway expansion projects benefit from a noise barrier designed for vehicle collision loads if less than 3.94 ft (1.2m) setback.



DESIGN DETAILS

PANEL THICKNESSES
15mm (19⁄32"), 20mm (25⁄32") 25mm (1")

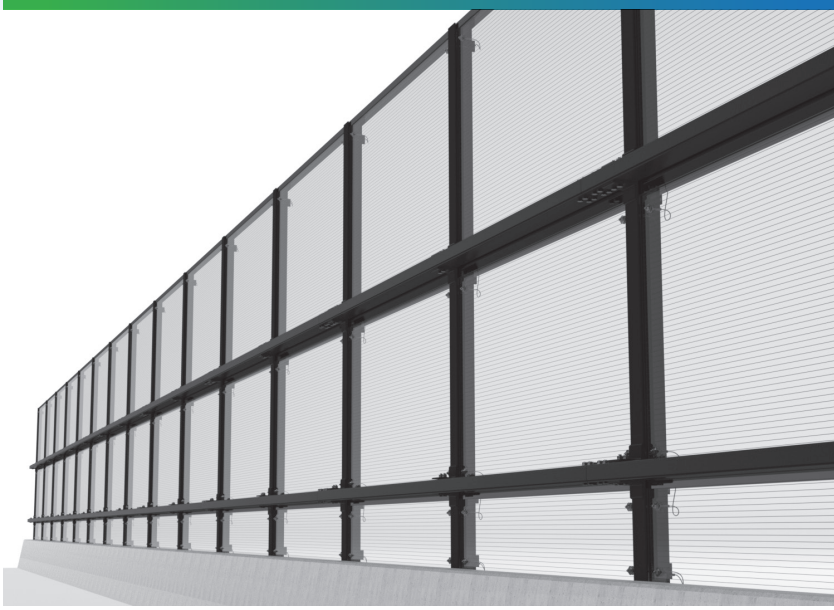
TRANSPARENT PANELS
Soundstop GS CC panels are transparent or opaque.

TESTED HEIGHT
17' (5.18m)

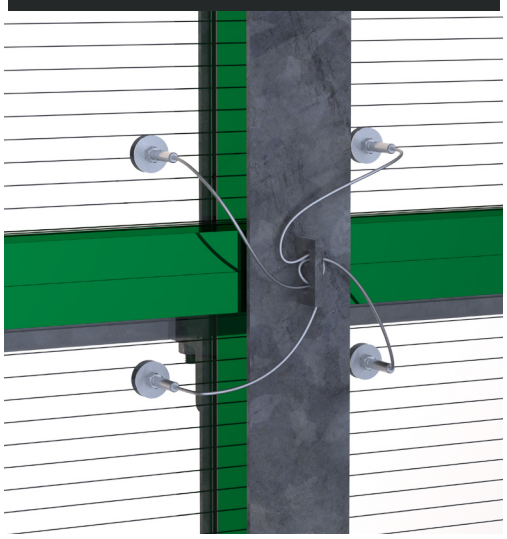
MOUNTING
Mounted to the back of any crashworthy concrete barrier.

MAXIMUM POST WIDTH
10' (3,048mm)

RAILS
HSS rails minimize vehicle intrusion between posts and ties individual posts together.



COMPUTER SIMULATION WAS FIRST USED TO SELECT CRITICAL IMPACT POINTS FOR CRASH TESTING



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