



North Carolina Department of Transportation  
Materials and Tests Unit – Product Evaluation Program  
Innovative Technologies and Products Awareness Report  
June 30<sup>th</sup>, 2021



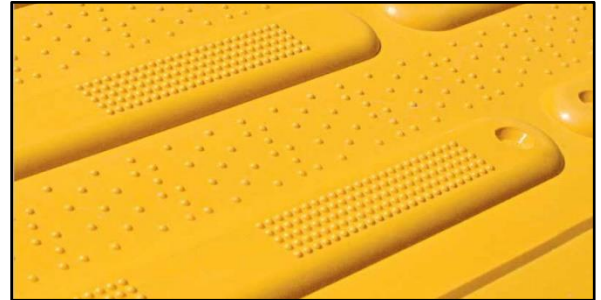
## PRODUCT HIGHLIGHT – Directional Bar Tiles



*Directional Bar Tiles used to delineate between pedestrian and traffic zones – image from ADA Solutions, Inc. brochure*

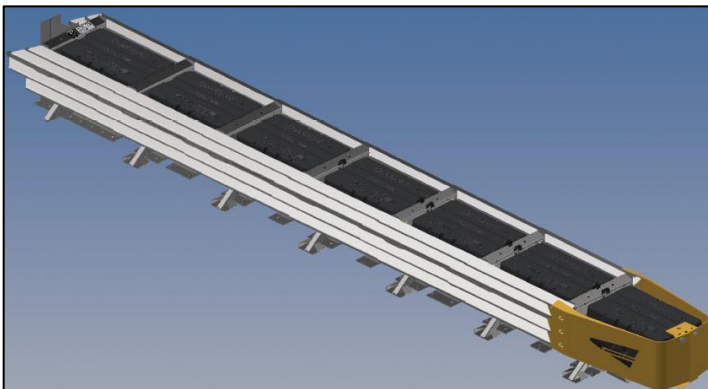
Directional Bar Tiles are manufactured by ADA Solutions, Inc. out of Wilmington, Massachusetts. It is currently listed as under evaluation on the Approved Products List (APL) as NP21-8847. Directional Bar tiles are thin surfaced paver products applied to concrete pedestrian facilities. They function as a tactile wayfinding product that provides directional assistance to visually impaired pedestrians in areas where an easily identifiable walking path may otherwise not be readily apparent. The Bar Tiles can be cast-in-place (wet-set) into the concrete surface, or surface mounted on existing concrete. The tiles feature raised bars 1.3 inches wide, 11 inches long, and spaced 3 inches on center. For more information, please visit:

<https://adatile.com/>



*Close-up view of Directional Bar Tiles – image from ADA Solutions, Inc. brochure*

## PRODUCT INNOVATION – QuadGuard® M10 Wide



*3-D CAD view of QuadGuard® M10 Wide – image from Trinity Highway Products brochure*

The QuadGuard® M10 Wide is manufactured by Trinity Highway Products, LLC out of Addison, Texas. It is currently under evaluation and listed on the APL as NP20-8836. The QuadGuard® M10 Wide is a re-directive, non-gating impact attenuating crash cushion used to shield fixed objects up to 69 inches wide. The QuadGuard® M10 Wide is AASHTO MASH 2016 (Manual for Assessing Safety Hardware) Test Level 3 (TL-3) compliant (TL-3 includes car and truck impacts up to 62 mph). The QuadGuard® M10 Wide has various transition options depending upon the installation and includes replaceable cartridges. The system may also potentially be reusable after an impact, within the MASH specified criteria. For more information, please visit <https://trinityhighway.com/product/quadguard-m10/>