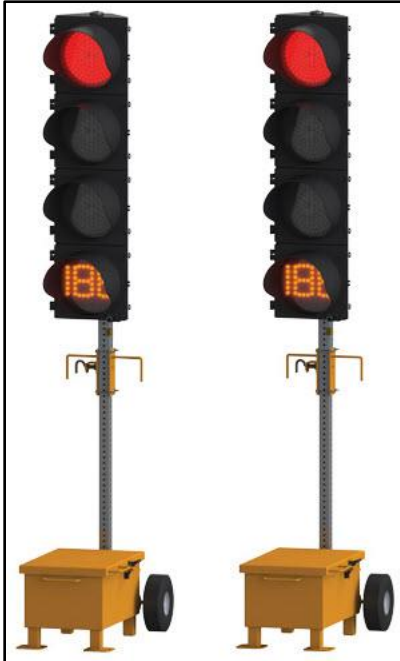




North Carolina Department of Transportation  
Materials and Tests Unit – Product Evaluation Program  
Innovative Technologies and Products Awareness Report  
May 4<sup>th</sup>, 2022



## PRODUCT INNOVATION – Trolley Mounted Portable Traffic Signal Set



Set of TLG-1412 in their extended position – image from Ver-Mac Website

The TLG-1412 Portable Traffic Signal Set is manufactured by Ver-Mac out of Houston, Texas. It is currently under evaluation and listed on the Approved Products List (APL) as NP21-8990. The Ver-Mac TLG-1412 is a battery powered, trolley mounted portable traffic signal set. Each trolley has a single signal head with 12" diameter lenses and has a telescopic mast that allows them to be raised to a height of 12 feet. These signal units use GPS time synchronization to ensure the timing of the signal pair is in unison. The units can be equipped with an optional "countdown" head, allowing the motorists to know the wait time until the next signal change. Additionally, the operator determines the distance between the two signals and the approximate vehicles' speed in the work zone; then, the on-board controller automatically calculates the signal duration. For more information, please visit: <https://ver-mac.com/en/products/series/serie/traffic-signals/product/trolley-mounted-traffic-signals/26/>

## PRODUCT HIGHLIGHT – Median Attenuating TREND<sup>®</sup> Terminal



Example of a Median Attenuating TREND<sup>®</sup> Terminal – image from Trinity Highway Products Technical Data Sheet

The Median Attenuating TREND<sup>®</sup> Terminal (MATT<sup>™</sup>) is manufactured by Trinity Highway Products, LLC. out of Addison, Texas. It is currently under evaluation and is listed on the APL as NP22-9059. The MATT<sup>™</sup> is a tangent, double-sided, re-directive (gating) and energy absorbing attenuator/end terminal. It is used with various longitudinal highway barriers, in either unidirectional or bidirectional traffic applications; to include roadside, shoulder, median, and gore area installation locations. The MATT<sup>™</sup> is 34 feet and 4 ½ inches in length, is composed of 10- and 12-gauge steel, weighs approximately 1,525 pounds, and is MASH-16 (Manual for Assessing Safety Hardware 2016) Test Level 3 certified.

For more information, please visit: <https://trinityhighway.com/product/matt-median-attenuating-trend-terminal/>