



TEST No.: BR0275
Test Standard: ASTM F3016-19
Company: Reliance Foundry
Model: R-1010-S10
Product Rating: S10-P1

1/23/25

To whom it may concern:

This letter is to certify that the R-1010-S10 provided by Reliance Foundry was tested to the requirements of the ASTM standard F3016-19. This was the standardized test method for low speed (30mph and lower) dynamic crash testing using a surrogate test vehicle for perimeter barrier crash testing at the time the test was performed.

Testing was performed at Calspan, LLC, on November 5, 2024. The R-1010-S10 was impacted by a surrogate test vehicle (STV) weighing 2274.5 kg (5014.4 lbs.) travelling at 10.7 mph [17.2 kph]. Post-test measurements of the maximum dynamic penetration into the protected area as measured from the reference line of the test article, found the test article to have the greatest intrusion. The test article was measured as having a negligible intrusion. As such, based on the surrogate test vehicle's mass, impact velocity and measured penetration of the test article into the protected area, the test article earned a rating of S10-P1.

Calspan is accredited to ISO/IEC 17025:2017 to perform ASTM F3016-19 testing by Perry Johnson Laboratories Accreditation, Inc. (PJLA) under Certificate Number L24-616-R02 and Accreditation Number 76654.

Respectfully,

A handwritten signature in blue ink that reads "David Casey".

David Casey
Operations Supervisor
716.631.4105
David.casey@calspan.com

Safer Highways...Safer Skies