



Aug 28, 2019

To whom it may concern:

This letter is to certify that the subject barrier, the Super Shallow Post Model SS-800 in, provided by Barrier1 Systems Inc. was tested to the requirements of the ASTM standard F2656-15. This was the Standard Test Method for Vehicle Crash Testing of Perimeter Barriers, on the date this test was performed.

The test was conducted at Calspan Corporation on August 22, 2019. The Barrier1 Systems Inc., Super Shallow Post Model SS-800 in., was impacted by a truck weighing 6756.3 kg (14,895 lbs.) travelling at 63.7 kph (39.6 mph). Post-test measurements of the dynamic movement of the test vehicle's payload (truck bed), were taken to reveal the maximum forward progress of both leading edges of the truck bed. The left-lower, lead edge of the truck bed, was stopped at 1.19 meters, while the right-lower, lead edge of the truck bed, was stopped at 1.30 meters before the trailing edge (reference point) of the impacted bollard; directions are oriented from the test vehicles direction of travel. As such, based on the test vehicle's mass, impact velocity and penetration into the protected zone, the rating for Barrier1 Systems Inc., Super Shallow Post Model SS-800, per the ASTM standard F-2656-15, is M40-P1.

Calspan is accredited to ISO 17025 to perform ASTM F2656-15 testing by Perry Johnson Laboratories Accreditation, Inc. (PJLA) under Certificate Number L13-137 and Accreditation Number 76654.

Respectfully,

A handwritten signature in blue ink that reads "Zachary Reisdorf".

Zachary Reisdorf

Test Director

*Safer Highways...Safer Skies*