



November 4, 2013

To whom it may concern:

This letter is to certify that the subject barrier, **the Barrier1 Electric Wedge Barrier provided by Barrier1 Systems, Inc., was tested to the requirements of the ASTM standard F-2656-07, Standard Test Method for Vehicle Crash Testing of Perimeter Barriers, in place at the date of the test.**

The test was performed at Calspan Corporation on November 4, 2013. **The barrier was impacted by a truck weighing 6813 kg (15020 lbs.) travelling at 80.27 kph (49.87 mph).** Post measurements of the test vehicle's payload (truck bed) with respect to the trailing edge of the wedge barrier show that the forward most left and right side of the truck bed came to rest before the protected zone, at 2180mm and 2350mm respectively. As such, based on the truck mass, impact velocity and penetration into the protected zone, **the barrier rating per the ASTM standard F-2656-07 is M50 – P1**

Calspan is accredited to ISO 17025 to perform ASTM F2656-07 testing by the Laboratory Accreditation Bureau under Certificate Number L-2332.

Respectfully,

A handwritten signature in blue ink that reads "Edward Dutton".

Edward Dutton

Senior Test Engineer

Safer Highways...Safer Skies