



4455 Genesee Street  
Buffalo, New York 14225  
February 25, 2013

To whom it may concern:

This letter is to certify that the subject barrier, **the Barrier1 Set And Pour Bollard system, 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 February 13, 2013. **The barrier was impacted by a truck weighing 6760.9 kg (14905 lbs.) travelling at 51.3 kph (31.9 mph).** Based on the truck mass, impact velocity and penetration into the protected zone, **the barrier rating per the ASTM standard F-2656-07 is M30 – 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