



May 7, 2019

To whom it may concern:

This letter is to certify that the subject barrier, the Drop Arm Crash Beam Model FCB-1200 provided by Barrier1 Systems, Inc., was tested to the requirements of the ASTM standard F-2656-15, Standard Test Method for Vehicle Crash Testing of Perimeter Barriers, in place when the test was performed.

The test was performed at Calspan Corporation on April 18, 2019. The Drop Arm Crash Beam Model FCB-1200 was impacted by a truck weighing 6867.6 kg (15,140 lbs.) travelling at 80.79 kph (50.2 mph). Post-test measurements of the dynamic movement of the test vehicle's payload (truck bed) show that the left and right leading edge of the truck bed was stopped at 1730 mm and 1800mm respectively after the trailing edge of the impacted crash beam. As such, based on the truck mass, impact velocity and penetration into the protected zone, the barrier rating per the ASTM standard F-2656-15 is M50-P2.

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 "Edward Dutton".

Edward Dutton  
Test Director