



Calspan Test No.: BR0021
Test Standard: ASTM F2656-20
Impact Condition Designation: M50
Client: RSSI
Model: RSSM50B, 3 Bollard Array, Rev 1
Product Rating: M50 – P2

September 3, 2020

To whom it may concern:

This letter is to certify that the subject barrier, the model RSSM50B, 3 Bollard Array, Rev 1 provided by RSSI, was tested to the requirements of the ASTM standard F2656-20, with M50 impact condition designation. This was the standardized Test Method for Vehicle Crash Testing of Perimeter Barriers, at the time the barrier test was performed.

The test was performed at Calspan Corporation, on September 3, 2020, for RSSI. The RSSI, model RSSM50B, 3 Bollard Array, Rev 1 was impacted by a medium duty truck, weighing 6,812 kg (15,015 lbs.) travelling at 81.3 kph (50.4 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, were stopped at 5.90 meters and 6.12 meters respectively, after the leading edge (reference line) of the impacted bollard. As such, based on the test vehicle mass, impact velocity and penetration into the protected zone, the barrier rating per the ASTM standard F2656-20, is M50 – P2.

Calspan is accredited to ISO/IEC 17025:2017 to perform ASTM F2656-20 testing by Perry Johnson Laboratories Accreditation, Inc. (PJLA) under Certificate Number L18-546-R2 and Accreditation Number 76654.

Respectfully,

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

David Casey

Test Director

Safer Highways...Safer Skies