



Calspan Test No.: BR0088  
Test Standard: ASTM F2656-20  
Impact Condition Designation: M30  
Client: 1-800-Bollards  
Model: M30 Shallow Mount Bollard  
Product Rating: M30 – P2

October 14, 2021

To whom it may concern:

This letter is to certify that the subject barrier, the 1-800-Bollards M30 Shallow Mount Bollard provided by 1-800-Bollards, was tested to the requirements of the ASTM standard F2656-20, with M30 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 October 13, 2021, for 1-800-Bollards. The 1-800-Bollards, model M30 Shallow Mount Bollard was impacted by a medium duty truck, weighing 6,833 kg (15,060 lbs.) travelling at 49.5 kph (30.8 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 1.881 meters and 1.780 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 M30 – 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". The signature is written in a cursive, flowing style.

David Casey

Test Director

*Safer Highways...Safer Skies*