



Calspan Test No.: BR0012
Test Standard: ASTM F2656-20
Impact Condition Designation: M50
Client: Gibraltar Perimeter Security
Model: G-1752 M50 P2 Active Bollard
Product Rating: M50 – P2

April 19, 2021

To whom it may concern:

This letter is to certify that the subject barrier, the model G-1752 M50 P2 Active Bollard provided by Gibraltar Perimeter Security, was tested to the requirements of the ASTM standard F2656-20, with M50 impact condition designation.

The test was performed at Calspan Corporation, on May 5, 2020, for Gibraltar Perimeter Security. The Gibraltar Perimeter Security, model G-1752 M50 P2 Active Bollard was impacted by a medium duty truck, weighing 6,813 kg [15,020 lb.] travelling at 79.5 kph (49.4 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 1.503 meters and 1.861 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 17025:2017 to perform ASTM F2656-20 testing by Perry Johnson Laboratories Accreditation, Inc. (PJLA) under Certificate Number L20-602 and Accreditation Number 76654.

Respectfully,

A handwritten signature in black ink that reads "Mark J. Parisi".

Mark J. Parisi

Vice President, Transportation

Safer Highways...Safer Skies