



PRODUCT OVERVIEW

The Set and Pour Bollard is a unique system providing many advantages. Installation time and costs are reduced by more than 50%. Excavation is completed with a backhoe, prefabricated bollard is placed, and concrete is poured. There is no rebar to form, assembly, or connections required. One simple stand alone bollard has been crash test certified to stop 15,000 lb. vehicle at 50 mph (ASTM M50). Multidirectional stopping capability is provided.

FEATURES AND ADVANTAGES

- ◆ Reduce installation cost by about 55%.
- ◆ Reduce installation time by about 66%.
- ◆ Massive stopping capabilities, stops a 15,000 lb. vehicle at 50 mph, ASTM M50 Certified.
- ◆ Prefabricated self-contained bollard unit.
- ◆ No rebar, just set bollard in excavation and pour concrete.
- ◆ Single stand-alone bollard stops vehicle.
- ◆ Bi-directional stopping capability.
- ◆ Bollard covers are available including stainless steel, plastic, decorative shapes, concrete, lighted covers, and other custom covers.





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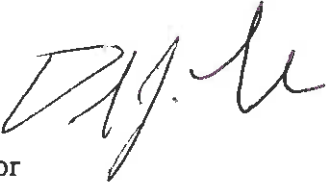
Crash Data Research Center • Flight Research • Systems Engineering • Transonic Wind Tunnel • Transportation Sciences Center

July 7, 2010

To whom it may concern:

This letter is to certify that the subject barrier, the Drop In Bollard System provided by Barrier1 Systems Inc., 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 July 7, 2010. The barrier was impacted by a truck weighing 6742.7 kg (14865 lbs.) travelling at 81.9 kph (50.9 mph). The front edge of the truck bed protruded 4.3 meters past the 1 meter line. A single bollard was impacted. Based on the truck mass, impact velocity and penetration into the protected zone, the barrier rating per the ASTM standard F-2656-07 is M50 – P2.

Respectfully,


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