Engineered Traffic Impact Bollard (C40)

- Engineered and independently crash tested to meet the ASTM C40 P1 crash rated bollard

- One properly installed standalone bollard was engineered, designed, and stopped a 5,000 lbs. vehicle at 30 mph meeting storefront crash rating of F2656

- Removable bollard configuration available

- Variety of bollard covers in any color are available including standard, decorative, and lighted options

- Drawings, submittals, engineering support, and installation instructions with photos are included

- Easy to install with turns and across grade elevation changes using standard bollard

- Simply set single prefabricated bollard in excavation and pour concrete (no rebar in foundation)

- No tying, bolting, welding, assembly, or specialty subgrade required

- Allows for field adjustment

- Reduce installation time and cost by 50%

- Bi-directional stopping capability
Crash tested and certified with ASTM F2656-07 M30 P1 rating (K4)

- Department of Defense (DoD) approved and listed on Anti-Ram Vehicle Barrier List
- One single standalone bollard stops 15,000 lb. vehicle at 30 mph with 1 meter penetration
- Unrestricted bollard spacing (any distance), while maintaining ASTM M30 P1 certification (meaning fewer bollards results in less costs)
- Installation excavation 30” wide by 36” deep with 3000 psi concrete
- Simply set single prefabricated bollard in excavation and pour concrete (no rebar in foundation)

Crash tested and certified with ASTM F2656-07 M50 rating (K12)

- Department of Defense (DoD) approved and listed on Anti-Ram Vehicle Barrier List
- One single standalone bollard stop 15,000 lb. vehicle at 50 mph with 1.2 meters penetration
- 2+ bollard array is ASTM M50 P1 (K12) certified. Vehicle penetration less than 1 meter.
- Installation excavation 48” wide by 36” deep with 4000 psi concrete
- Simply set single prefabricated bollard in excavation and pour concrete (no rebar in foundation)