

## **Product Specifications**

### **Shallow Mount Bollard (Model SMB-800)**

1. Crash tested and certified with ASTM F2656-07 M40 P1 rating (K8).
2. Department of Defense (DoD) approved and listed on Anti-Ram Vehicle Barrier List.
3. One single standalone bollard stops 15,000 lb. vehicle at 40 mph within 1 meter penetration.
4. Shallow foundation only 12" deep avoids underground utilities.
5. Excavation 84" wide X 12" deep with 4000 psi concrete (1.25 cy concrete per bollard).
6. Only one prefabricated bollard unit to set. Allows for field adjustments.
7. No field welding, bolted connections, or specialty subgrade required during installation.
8. Easily installed with turns and across grade elevation changes.
9. Bollard spacing up to 54" on center minimizes number of bollards required (fewer bollards reduces costs).
10. Variety of bollard covers are available including stainless steel, plastic, decorative shapes, concrete, lighted covers, and others.
11. Drawings, submittals, engineering support, and installation instructions with photos are included.