

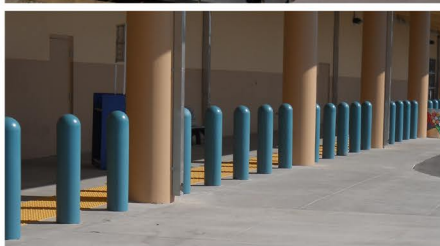
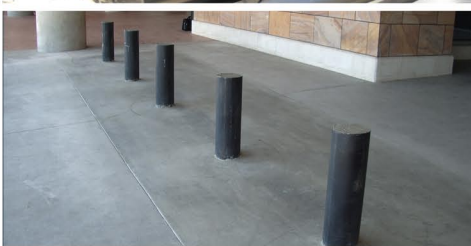
# SHALLOW FOUNDATION BOLLARD

## MODEL SMB-800

ASTM M40 (K8) CERTIFIED  
FIELD ADJUSTABLE  
PREFABRICATED SINGLE BOLLARD UNIT

GS-07F-0341V

GSA



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

**BARRIER 1**  
SYSTEMS, INC.

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