KEEP PEDESTRIANS AND STUDENTS SAFE

PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 50MPH



MODEL #: 12BOL-SM-15K50MPH





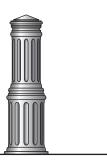
- Crash tested and certified with ASTM F2656-07 M50 rating (K12).
- Department of Defense (DoD) approved and listed on Anti-Ram Vehicle Barrier List.
- One single standalone bollard stops 15,000 lb. vehicle at 50 mph with 1.2 meters penetration.
- ♦ 2+ bollard array is ASTM M50 P1 (K12) certified. Vehicle penetration less than 1 meter.
- Simply set single prefabricated bollard in excavation and pour concrete (no rebar in foundation).
- No tying, bolting, welding, assembly, or specialty subgrade required.
- Excavation 48" wide by 36" deep with 4000 psi concrete.
- ♦ Easy to install with turns and across grade elevation changes using standard bollard.
- Removeable bollard configuration is available.

Bi-directional stopping capability.

- ♦ Reduce installation time and cost by about 50%
- Drawings, submittals, engineering support, and installation instructions with photos are included

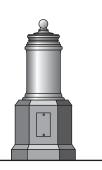
Allows for field adjustment.

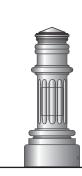












BOLDEL1543

BOLDELS1543

BCNEV3051

BCCST2739

BCTUS2044

BCSUN2045





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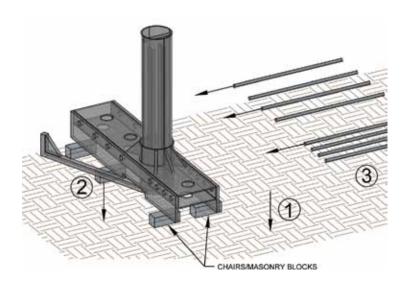




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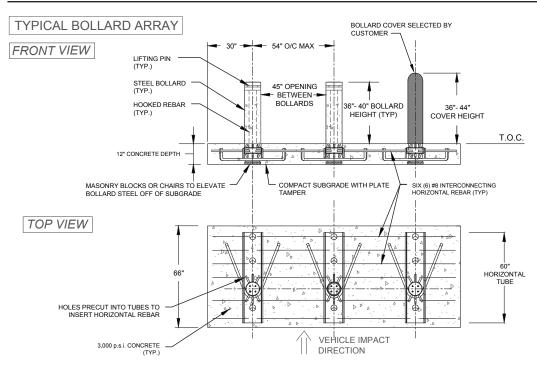
INSTALLATION INSTRUCTIONS



- EXCAVATE TO 12" THEN TAMP SUBGRADE WITH PLATE **TAMPER**
- 2) PLACE SINGLE PREFABRICATED BOLLARD STRUCTURE. USE MASONRY BLOCK OR CHAIRS TO ELEVATE OFF SUBGRADE.
- INSERT HORIZONTAL REBAR INSIDE HOLES TO INTERCONNECT ADJACENT BOLLARD STRUCTURES.
- (4) POUR AND VIBRATE CONCRETE.

KEY INSTALLATION ADVANTAGES

- 1. NO FIELD WELDING.
- NO FIELD BOLTING. 2.
- STEEL BOLLARD IS DELIVERED PREFABRICATED AS ONE UNIT.
- ACCOMMODATES TURNS AND GRADE CHANGES.
- ALLOWS FOR FIELD ADJUSTMENTS.
- REQUIRES ABOUT 1.5 CUBIC YARDS OF 3,000 p.s.i. CONCRETE PER BOLLARD.



KEY CAPABILITIES

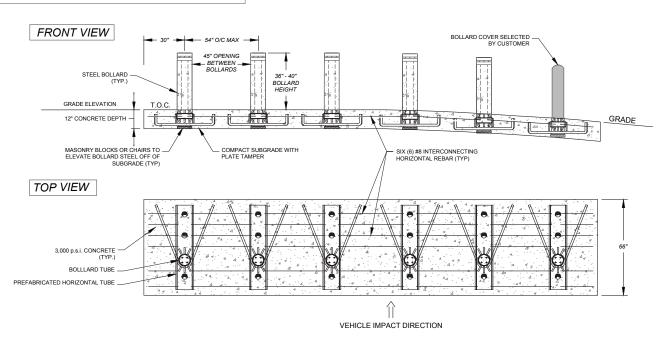
- 1. SIMPLE AND QUICK INSTALLATION ONLY TWO (2) PREFABRICATED MODULAR COMPONENTS SLIDE TOGETHER. ADJACENT BOLLARDS ARE CONNECTED BY HORIZONTAL REBARS.
- ONLY A TAMPED SUB GRADE IS REQUIRED (NO GRAVEL OR CONCRETE MUD PAD).
- SHALLOW FOUNDATION AVOIDS UNDERGROUND UTILITIES.
- NO FIELD WELDING OR BOLTING (REDUCES INSTALLATION TIME AND COST).
- MODULAR BOLLARD SYSTEM ACCOMMODATES TURNS, GRADE CHANGES, AND FIELD ADJUSTMENTS.
- NO STIRRUPS OR REBAR TYING IS NEEDED. HORIZONTAL REBAR SLIDES INTO PREDRILLED HOLES.
- NO SPECIALTY BOLLARDS, COMPONENTS, OR PARTS REQUIRED TO MAKE TURNS OR ACROSS **GRADE CHANGES.**





INSTALLATION INSTRUCTIONS (cont.)

BOLLARD INSTALLATION ACROSS GRADE CHANGE



BOLLARD INSTALLATION WITH TURN

