

Speed Cushions

Spacing

- Position speed cushions on straight section of roadway
- Intended for streets less than 38 ft wide without transit services
- First cushion of any segment should be installed within 200 ft of a stop sign or curve
- Use a single cushion on a short block/street segment (300-500 ft)
- Use two cushions on a typical block/street segment (500-1,000 ft)
- For very long blocks/segments (1,000-1,500 ft) use three or more cushions
- For lengthy segments, space interior humps 260-500 ft apart; at least one cushion should be placed in each block of the segment

Size and Dimensions

- 12 -14 ft long x 3 inches tall
- Like a speed hump, but divided into two or more sections across the roadway width
- Flat sections in between the cushions are the track width of emergency vehicles (51" AND 70", 49" AND 72")
- Entrance and exit gradient of 1:15

Location

- Cannot be installed on streets with significant downgrades (8% +)
- Should not be installed on horizontal curves with less than a 300 ft centerline radius
- Should not be installed within 250 ft of a signalized intersection or within 20 ft of the closest perpendicular intersection of residential minor streets and should be placed at least 100 ft from the closest perpendicular intersection of residential major streets
- A minimum clearance of 5 ft is recommended from driveway or catch basin
- Visibility can be improved by locating the cushion near the existing street lighting
- Installed at a right angle to the centerline tangent of the roadway
- Should not be installed over or contain manholes, water valves, ect* or to be within 30-feet of fire hydrants

Base Materials

- Portland cement concrete (precast sections or cast in place)
- Asphalt
- Rubber

Decorative Options

- Colored or stamped asphalt or concrete
- Brick pavers
- Specialty treated concrete

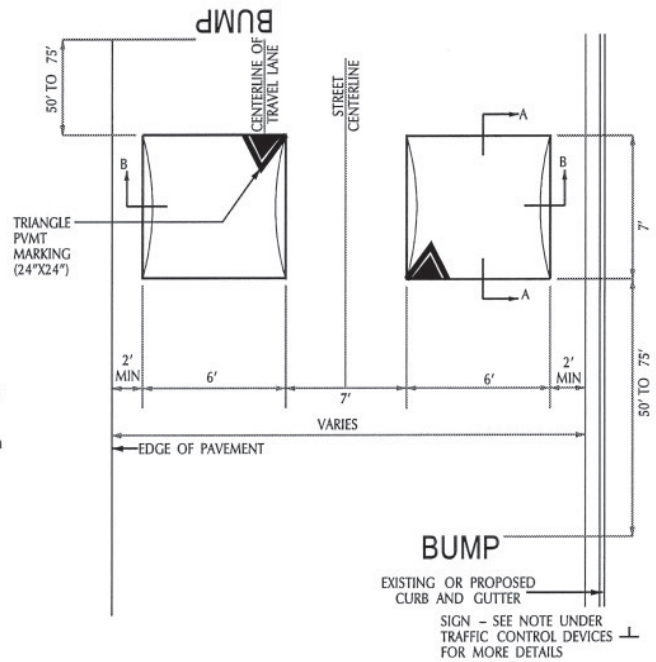
Traffic Control Devices

- MUTCD approved signs are to be used 150 ft (25 MPH) or 175 (30 MPH) prior to the beginning of a series of cushions or as necessary
- W17-1 Speed Hump, W18-1 Bump, or a Speed Cushion sign may be used
- Supplemental sign W16-4 may be used to designate the number of blocks of speed cushions
- Before the speed cushion a pavement marking of *BUMP* may be installed
- Black or black with yellow reflective tape or black with white reflective tape may be used on cushions

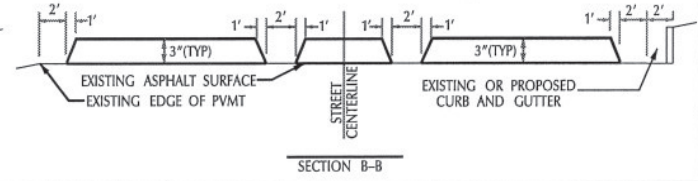
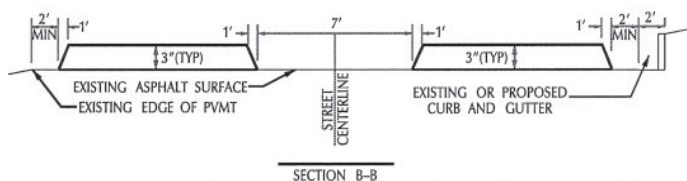
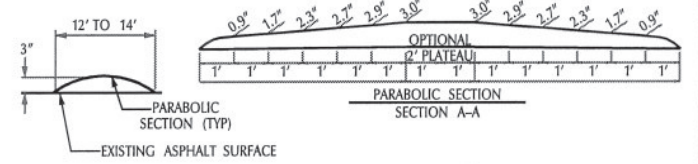
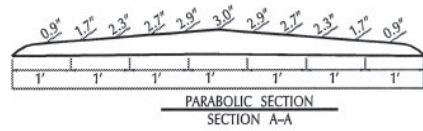
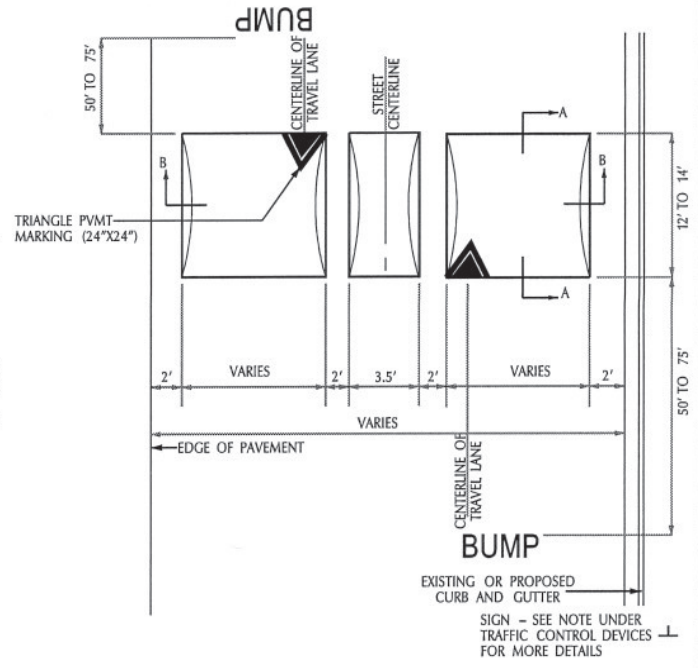
Estimated Costs for base materials (can vary based on roadway width, location, grade, options, etc.)

- \$3,000

SIGN - SEE NOTE UNDER TRAFFIC CONTROL DEVICES FOR MORE DETAILS



SIGN - SEE NOTE UNDER TRAFFIC CONTROL DEVICES FOR MORE DETAILS



City of Milton

DETAILS PREPARED BY **Street SMARTS**

SPEED CUSHION NOT TO SCALE

STANDARD TRAFFIC CALMING DETAILS
SPEED CUSHION

DEC 7, 2009

DRAWING No. TC-1