



TRAFFIC CALMING DEVICES

FIRE CODE OFFICIAL APPROVAL & DIMENSIONAL CRITERIA

TRAFFIC CALMING DEVICES ARE PROHIBITED IN FIRE APPARATUS ACCESS ROADS UNLESS APPROVED BY THE FIRE CODE OFFICIAL.

UNAPPROVED DEVICES MAY BE REQUIRED TO BE REMOVED.

CODE AUTHORITY

IFC §503.4.1

TRAFFIC CALMING DEVICES

“Traffic calming devices shall be prohibited unless approved by the fire code official.”

KEY REQUIREMENTS

- ✓ Approval by the Fire Code Official is required before installation.
- ✓ Dimensions and operability for fire apparatus are the primary factors.
- ✓ Device must allow fire apparatus to maintain access and, where applicable, straddle the device.
- ✓ Must not reduce required fire lane width or vertical clearance or interfere with hydrants, FDCs, gates, turnarounds, or other fire service features.
- ✓ Cushion/device, pavement, and anchoring system must support the imposed loads of DCESD 1 fire apparatus with a total weight of **85,000 pounds**.
- ✓ Minimum clear spacing between devices: **3 feet**.
- ✓ Traffic calming devices should not be installed less than **200 feet** from other traffic calming devices unless approved by the Fire Code Official.
- ✓ Unapproved traffic calming devices are subject to removal.

FIRE APPARATUS ACCESS MUST BE MAINTAINED AT ALL TIMES.

OPERATIONAL READINESS IS ESSENTIAL.

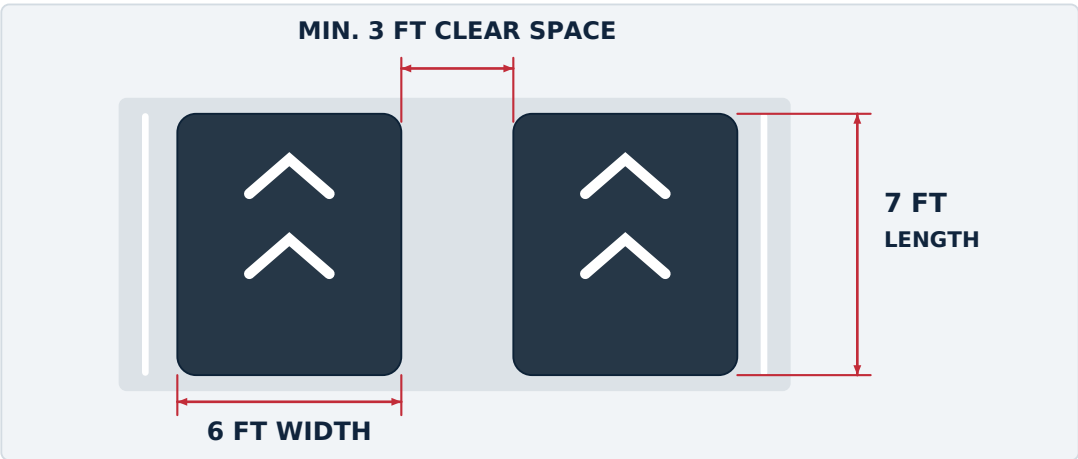
ALLOWABLE TRAFFIC CALMING DEVICES

Speed cushions are a common and preferred example because fire apparatus can straddle them with minimal impact. However, they are not the only possible device.

Applicants may propose another traffic calming device if it meets all dimensional and operational criteria shown below and is approved by the Fire Code Official.

The Fire Code Official will evaluate the device for fire apparatus access, operability, and compatibility with site conditions and fire service features.

DIMENSIONAL EXAMPLE: SPEED CUSHION



Typical device width:	6 feet
Typical travel length:	7 feet
Maximum center height:	3 inches
Minimum clear spacing between devices:	3 feet
Approximate longitudinal rise/fall:	7% gradient
Side gradient:	less than 35%

- ✓ Durable material suitable for roadway use
- ✓ Pavement and anchoring system must be designed to support the imposed loads of DCESD 1 fire apparatus
- ✓ Device must be installed per manufacturer's guidance and approved details