



FLOWER MOUND FIRE DEPARTMENT

FIRE MARSHAL'S OFFICE

3911 SOUTH BROADWAY AVENUE | FLOWER MOUND, TEXAS 75028

PHONE (972) 874.6270 | www.flower-mound.com

SPEED REDUCING DEVICES

These guidelines are intended to be a resource for when a development, facility, or property within the Town of Flower Mound is requesting to install traffic calming devices within fire apparatus access roads or emergency access easements, commonly referred to as "Fire Lanes" for Fire Department Access.

All traffic calming devices for these guidelines and any other guidelines or requirements of the Fire Department shall conform to the 2018 International Fire Code, as adopted and amended by the Town of Flower Mound. All devices shall be approved separately by the Town of Flower Mound's Fire Marshal's Office.

I) SPEED-REDUCING DEVICES (DEVICE(S)):

- A) There is one speed-reducing device design recommended by the Flower Mound Fire Marshal's Office:
 - 1) 14-foot-longong speed hump. **(Detail 1)**
- B) Speed-reducing device designs are 3 inches at their highest point and vary in width, depending on the width of the road traversing.

II) GENERAL CONSIDERATIONS FOR LOCATING SPEED-REDUCING DEVICES:

- A) Do not locate the devices over manholes, gate valves, utility vault accesses, or sewer features.
- B) If a drainage inlet is near where a device would be placed according to the general spacing criteria, attempt to locate the device downstream of the inlet.
- C) Locate the device to take advantage of existing outdoor lighting.
- D) Locate the device to provide adequate sight distance to the motorist. Do not locate the device within a horizontal curve.
- E) Do not place devices at entrances, exits, or Access Controlled Gates. Instead, place the devices 150 ft from any of these features.
- F) Do not locate a device within 50 feet of an intersection.
- G) Do not locate any device within 15 feet of a fire hydrant.
- H) There must be a minimum of 200 feet between each device. (No more than three devices in a series).

III) MARKING:

- A) Markings of devices shall comply with the Texas Department of Transportation Manual on Uniform Traffic Control Devices (2011). (See sample below)
- B) Available at: <http://ftp.dot.state.tx.us/pub/txdot-info/trf/tmutcd/2011/3.pdf> or from the Fire Department.

IV) SIGNAGE

- A) Advance notification of the device is required. This shall be accomplished through signage and pavement markings.
- B) Signs shall be located to give adequate warning to motorists that a device is installed.

V) SUBMITTAL REQUIREMENTS:

- A) A site plan/drawing of the proposed locations of the devices, including property lines, buildings, obstructions, and roadways. Indicate the location of fire lanes and fire hydrants in the area.
- B) Detail of the construction of the devices showing width, length, max height, markings, and signage



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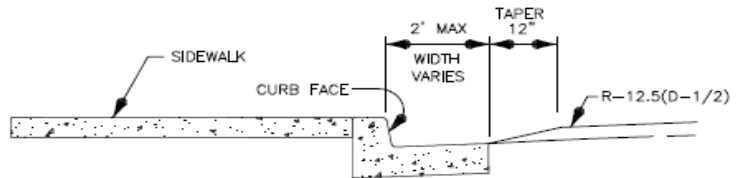
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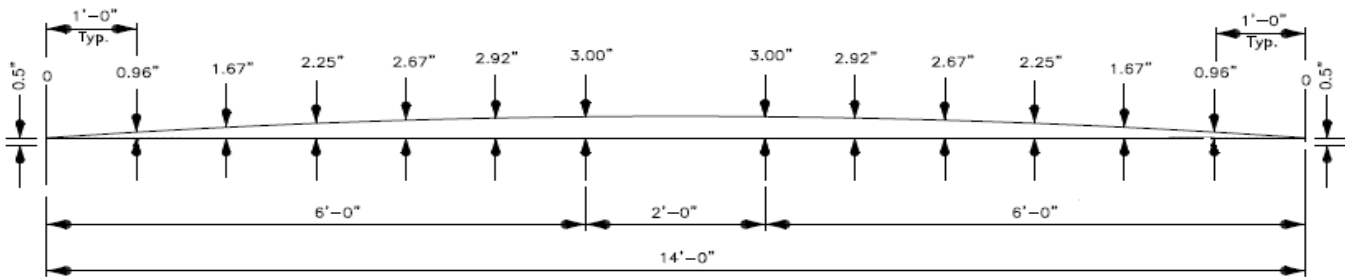
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SPEED-REDUCING DEVICES

IMPORTANT: Speed Humps to be 3" in height to provide maximum effectiveness, while not being overly restrictive to emergency police and fire vehicles.



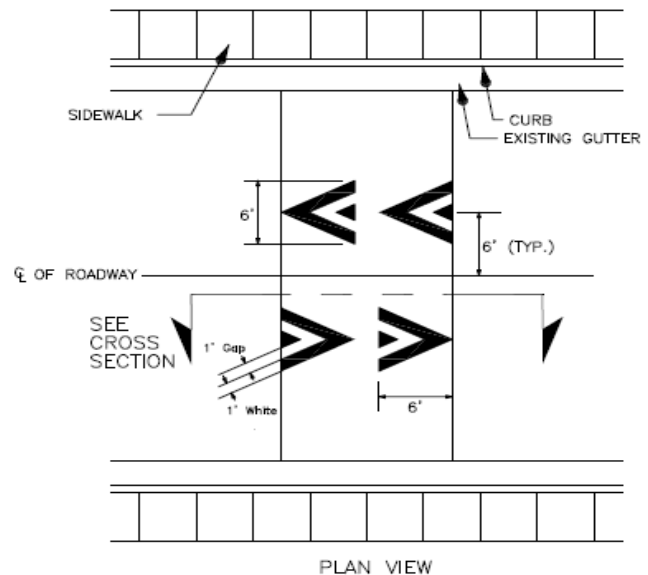
EDGE DETAIL



CROSS SECTION

NOTES:

1. Speed humps shall not be placed over manholes, water valves, survey monuments, etc.
2. Speed humps shall not be installed in a location such that roadway drainage is compromised.



PLAN VIEW

DETAIL 1: 14' SPEED HUMP



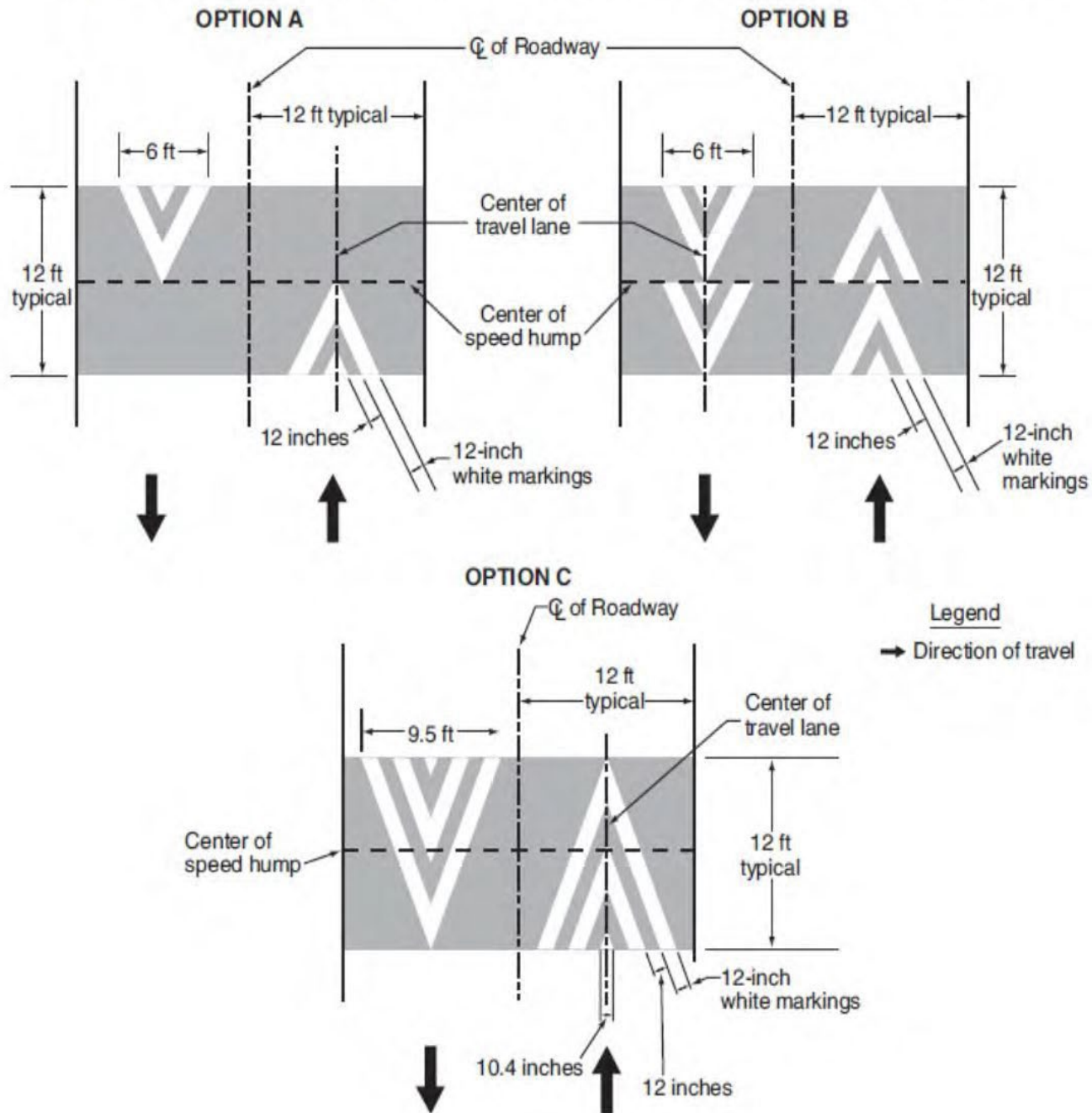
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Figure 3B-29. Pavement Markings for Speed Humps without Crosswalks



Sample from TxDOT Manual on Uniform Traffic Control Devices (2011). Complete document available upon request from the Fire Department.