



**ROAD COMMISSION
REGULATION**

BOARD OF COUNTY ROAD COMMISSIONERS
OAKLAND COUNTY

EFFECTIVE DATE:

FEB 11 2019

NUMBER

47

PREPARING ORGANIZATION

Traffic-Safety Department

SUPERCEDES Op Instruction
NUMBER: 12 – Revision 1
DATED: 12/8/2008

SUBJECT:

INSTALLATION OF SPEED HUMPS

PURPOSE:

To establish guidelines for the installation of speed humps on subdivision streets.

INFORMATION

There have been several instances where vehicles utilize residential subdivision streets rather than mile type roads, in an apparent attempt to bypass congested intersections, avoid gravel roads or take advantage of perceived "short cuts". In addition, such vehicles often travel at speeds that significantly exceed the residential speed limits.

In some of these situations, speed humps have been shown to be an effective countermeasure to address such concerns. Speed humps are raised pavement sections that are between 3 to 4 inches in height and approximately 14 feet in length. When designed properly and installed in warranted locations, speed humps have been proven to reduce vehicle speeds and/or "cut through" traffic on subdivision streets.

In order for speed humps to be warranted, the 85th percentile speed should be equal to or greater than 35 miles per hour. In addition, the following criteria should be considered:

1. Traffic volumes in excess of 1,000 vehicles a day, which includes a minimum of 25% "cut through" traffic.
2. Acceptable vertical and horizontal curvature.
3. Pavement width less than or equal to 40 feet.

The specific factors giving rise to residents' concerns for safety and issues with traffic in residential subdivisions are often unique to each area. However, in order to ensure consistency for speed humps which are installed on subdivision streets, the following procedure has been established:

A homeowners' association or interested residents (Requestors) may submit a written request to RCOC Traffic-Safety Department (T-S), for speed humps or other traffic calming countermeasure designed to alleviate a perceived traffic concern within a subdivision.

Upon receipt of such request, T-S staff shall consult with the Requestors, the Township, and local law enforcement (collectively, the Parties), and review the various countermeasures available, including the installation of speed humps.

If it is agreed that speed humps are a countermeasure of interests, T-S staff shall conduct a preliminary review of traffic speeds, volumes and alleged "cut through" traffic in the area, and will advise the Parties as to whether speed humps are recommended.

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Installation of speed humps are subject to the following:

A Petition in support of the installation must be submitted to RCOC, signed by at least 75% of the homeowners on the subject segment of street(s), on which the proposed speed humps would be installed. The subject segment of the street(s) shall be the segment(s) determined by T-S staff, as being that portion of the street(s) which would be significantly impacted by the proposed humps.

An appropriate Township Board Resolution supporting the installation of the speed humps must also be submitted.

The speed humps must be designed by an appropriate consultant and constructed by a contractor, at locations approved by T-S staff; with all work being done subject to the approval of T-S staff and subject also to the permit requirements of the RCOC Permit Division.

All costs associated with the speed humps design, installation, signing and pavement markings, shall be the responsibility of someone other than RCOC.

The RCOC will be responsible for maintenance of the speed humps, associated signs and pavement markings until such time, at the sole discretion of the RCOC they can no longer be maintained and will be removed.

Following installation, the RCOC may conduct follow-up studies to determine the effectiveness of the speed humps.

Approved: Dennis G. Kola
Managing Director

2/11/19
Date