

Malvern Borough

Local Traffic Calming

Purpose: To address speeding and high volume cut-through traffic on Malvern Borough owned residential streets.

Traffic Calming Measures: Traffic Calming Measures (TCM) are physical traffic control or intervention measures designed to self-police a designated area. These measures include, but are not limited to, speed humps.

Designated Area: Any abutting property owner to the street segment where the TCM is being requested. *Borough Council reserves the right to increase the boundaries of the designated area.* Areas considered for Traffic Calming Measures (TCM) must meet established standards to qualify. The criteria applied to each petition for TCM are; speed, volume, number of crashes, proximity to schools, school bus stops, pedestrian traffic and pedestrian facilities.

Qualification for a Traffic Calming Measure:

- 80% of the properties in the designated area must be residential.
- 80% of the residents in the designated area must support the program and have signed the petition.

Eligibility of a Traffic Calming Measure:

- Residents must submit a standard **TCM** Petition (attached) to the Malvern Borough Police Department. The application can be picked up at the Police Department Monday through Friday from 8:30 A.M. to 12:30 P.M. and 1:30 P.M. to 4:30 P.M. or downloaded from the borough website at www.malvern.org.
- The Police Department's Traffic Safety unit will conduct a study to determine the eligibility of the proposed designated area through the use of the **Traffic Calming Project Ranking System**.
- If the petition meets the requirements of the program, the police department will prepare a recommendation for the Public Safety Committee (PSC).
- The PSC then determines what action, if any, will be taken. This includes designating the area where the installation of a traffic calming device will take place, type of device to be installed and whether that device will be temporary or permanent. The Public Works Department is responsible for installation of the device, appropriate signage and painting.

Note: *Stop Signs are not considered traffic calming measures and cannot be used for speed control.*

Malvern Borough Police Department

1 E. First Avenue, Suite 1
Malvern, PA 19355
Phone: 610-647-0261
Fax: 610-647-6166

PETITION FOR RESIDENTIAL TRAFFIC CALMING

BEFORE SIGNING THIS PETITION, RESIDENTS SHOULD READ THE FOLLOWING INFORMATION IN ITS ENTIRETY TO ENSURE THEY UNDERSTAND HOW TRAFFIC CALMING DEVICES MAY IMPACT THEIR STREET.

DEFINITION:

The Speed Hump shall be synonymous with Traffic Calming System or Traffic Calming Measure. Speed Humps are designed to reduce the speed, but not necessarily the volume, of vehicular traffic.

A Speed Hump is a raised hump in the pavement extending across the width of the roadway at a right angle to the direction of the flow of traffic. The humps shall be signed and the road painted in accordance with accepted engineering practices.

ADVANTAGES:

1. Reduces the speed of vehicles.
2. Compatible with bicycles, motorcycles and pedestrian traffic.

DISADVANTAGES:

1. Increased noise as vehicles cross the humps.
2. Increased maintenance costs.
3. Placement of four (4) large caution signs (per hump) on properties near the humps.
4. Reduced response times of emergency vehicles.
5. Increased difficulty in snow removal and plowing.
6. Affect on drainage of roadways.

Malvern Borough Police Department

1 E. First Avenue, Suite 1
Malvern, PA 19355

PETITION FOR RESIDENTIAL TRAFFIC CALMING

We, the undersigned, are residents of the residential area described in this petition. We understand that, if this area meets the criteria, a traffic calming measure, either temporary or permanent, **may** be placed in our area to address our concerns. Borough Council may extend or except the requirements depending upon other Borough matters.

Procedures:

- All households on the affected streets must be contacted by the applicant and advised that a traffic-calming device, such as a speed hump, is being considered for their street.
- A signed petition must be submitted reflecting the support of 80% of the households on the affected street.
- Only one adult signature per household, apartment or business will be considered on the petition.
- Petitions will be considered by the Malvern Borough Public Safety Committee using the following criteria.
 - A. The legal posted speed limit on the street shall not exceed **25 MPH**.
 - B. The average daily traffic (ADT) shall not be less than **400 vehicles** per day, which shall be determined by an automated traffic count, for not less than four (4) weekdays, conducted by the police department's Traffic Safety Unit.
 - C. The average vehicle speed (based upon the 85th percentile of the speeds recorded during the traffic count) shall not be less than **10 MPH (as required under PA Title 75, Sec. 3368 A (4))** over the legally posted speed limit. This will be determined by a traffic count for a period of not less than four (4) days.
 - D. The department will analyze the number of crashes on the affected roadway, over the most recent three (3) year period, to ascertain the extent to which excessive or unsafe speeds were a major contributing factor.
 - E. The distance between the humps shall not be less than **250 feet** or greater than **600 feet** apart.
 - F. Speed humps shall not be less than **150 feet** from an intersecting roadway.

- G. Speed humps will not be installed on a hill or curve that will affect the safe operation of a vehicle.
- H. Speed humps shall traverse the entire roadway, allowing one (1) foot on each side for the flow of storm water.
- I. Speed humps shall not be less than 12 feet in width.
- J. Signs indicating BUMP shall be erected in each direction at a location of the hump and a sufficient distance before the hump to warn approaching motorists. For increased visibility, reflective stripes may be painted on the hump.

We, the undersigned, hereby request that the Malvern Borough Public Safety Committee consider this petition for a Traffic Calming Measure in the area designated below.

(Please attach some type of drawing/map to show area to be designated)

Name of Roadway Where Measure Requested	Between Which Intersections
Name of Applicant	Address of Applicant
<u>Applicant is the resident circulating the petition</u>	
Date	Home Phone Number

Malvern Borough Police Department

1E. First Avenue, Suite 1
Malvern, PA 19355

Petition For A Traffic Calming Device

Number Of Homes In Designated Area: _____

ONE (1) RESIDENT (HEAD OF HOUSEHOLD) SIGNATURE PER ADDRESS

Name Address Phone Number

Print		
Signature		

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PROJECT RANKING SYSTEM

Criteria	Points	Basis for Point Assignment
Speed	0 to 30	Extent by which 85th percentile speeds exceed posted speed limit; 2 points assigned for every 1 mph.
Volume	0 to 25	Average daily traffic volumes (1 point assigned for every 120 vehicles)
Crashes	0 to 10	1 point for every crash reported within past 3 years.
Elementary or Middle Schools	0 to 10	5 points assigned for each school crossing on the project street
Pedestrian Generators	0 to 15	5 points assigned for each public facility (such as parks, community centers, and high schools) or commercial use that generates a significant number of pedestrians.
Pedestrian Facility	0 to 10	5 points assigned if there is no continuous sidewalk on one side of the street; 10 points if missing on both sides
Total Points Possible	100	