



To: Honorable Council President and Village Council

From: Jeff Campbell, Village Manager

Date: 7/14/23

RE: Discussion about Speed Humps

Background

Speeding and reckless driving are a huge public health and safety concern. Speed humps are a popular and effective in reducing speeds in residential neighborhoods. The Village is considering a pilot program to install speed humps on residential roads. Traffic calming measures such as speed humps can address:

- Speeding
- Pedestrian Safety
- Cut Through Traffic
- Sight distance
- Collisions

The pilot program will determine whether the proposed speed humps can combat speeding and reckless driving in residential neighborhoods. After doing extensive research, the Administration is recommending a trial program to install rubber speed humps on two streets that are known for frequent traffic. The rubber material is being recommended based on cost and ease of installation and removal. The pilot humps will be removed in the winter to ensure that neither the snow plows nor the humps will be damaged when the roads are plowed. The pilot will allow for a period of time to gather data and feedback about the use of speed humps in the Village. Feedback will come from residents and various Village departments. A picture of the type of hump utilized is pictured below:



Specs for Speed Humps

Each speed hump assembly will be comprised of ten-speed hump middle sections and two end caps. The heavy-duty rubber speed humps and end caps weigh 36 pounds each, are 2.1" Tall x 35.5" Long x 19.5" Wide, and fastened to the road surface with 12" galvanized steel spikes.

Locations and Length of Pilot

For the pilot program, the Administration is proposing to place the speed humps on both sides of Saxon, west of Balmoral and east of Wentworth. In addition, the Administration is also proposing placing speed humps on Riverside Drive east of Drury Lane and west of Inglewood Drive. Residents on these two streets have requested street humps continuously over the last year.

If approved by Council, the initial pilot period would be from the time we receive the humps to November 17, 2023.

Cost

According to the Public Services Department, the total cost for 20 Heavy Duty Rubber Speed Hump Middle Sections, 2 Heavy Duty Rubber Speed Hump End Kits, and 4 'Speed Humps Ahead' Signs is \$4,305.42.

Liability

Administration has reached out to our insurer, MMRMA, and others to comment on liability concerns related to the installation of speed humps. That information will be provided prior to the meeting.

Potential Future Criteria

Speed humps are designed to make it less comfortable for motorists to speed. Proper engineering analysis and judgment must be included prior to installation of any speed humps. Future criteria to be considered in the installation of speed humps may include:

- Residential streets with a speed limit of 25 mph that is under the exclusive jurisdiction of the Village of Beverly Hills.
- Streets used as known cut throughs to or from a major arterial road in the Village.
- Streets adjacent to schools and parks
- 85th percentile speeds of 30 mph or greater.
- Topography (i.e. hills and curves)
- Resident support (75% support from residents on the segment of roadway being considered is required, through petitions).

Other Jurisdictions

There are numerous neighboring local jurisdictions utilizing speed humps. The City of Dearborn is engaged in a similar pilot program. The City of Detroit has installed over 10,000 speed humps since 2016. The City of Ferndale has a speed hump program, as do Royal Oak and Farmington Hills. The Road Commission of Oakland County will also install speed humps on County roads if certain criterion is met.