



Agenda Item

City Traffic Commission

Item #: 4.2.

12/10/2025

File #: 25-0662

TO: Chair and Members of the City Traffic Commission

THRU: Larry Tay, Deputy Public Works Director/Traffic Engineer

FROM: Maria Flores, Assistant Engineer

1. SUBJECT

Request to install speed cushions on Maple Avenue between Main Street and Batavia Street.

2. SUMMARY

The City has received recurring requests for speed humps on Maple Avenue. Based on the history of complaints and the street's traffic characteristics, speed cushions, rather than speed humps, are being considered for recommendation.

3. RECOMMENDED ACTION

Consider the installation of speed cushions on Maple Avenue between Main Street and Batavia Street and forward the resulting recommendation to City Council.

4. FISCAL IMPACT

None. The cost of the speed cushions can be accommodated within the approved FY 26 budget.

5. STRATEGIC PLAN GOALS

Goal 5: Improve Infrastructure, Mobility, and Technology

6. DISCUSSION AND BACKGROUND

Background:

Maple Avenue between Main and Batavia Streets is a two-lane residential street with a curb-to-curb width that varies from 36 to 38 feet. Parking is supported on both sides and the land use is comprised of single-family residential dwellings. Moreover, painted edge lines (shoulder stripe) have been installed as a traffic calming feature.

Despite the prior traffic calming effort, the City continues to receive expressed concerns over vehicle speeds. In response to the concerns, City staff conducted an initial traffic study to gather the 85th percentile speed and the average daily traffic volume on Maple Avenue. The study showed that the average daily traffic is 692 vehicles, travelling at an 85th percentile speed of 31 MPH. These values are below those at which speed humps are typically considered, based on the City's approved

Residential Neighborhood Traffic Management Program (RNTMP).

Notwithstanding the above and in light of continuing concerns, staff determined that it could be appropriate to consider a pilot program to implement speed cushions on the street. Speed cushions are similar to speed humps in that they are raised roadway features designed to slow vehicles down. Unlike traditional speed humps, these speed cushions are prefabricated, can be bolted down, and are divided into segments with gaps that allow emergency vehicles to straddle the cushions. Due to the street's proximity to a fire station and location on the local network, staff consulted with Orange Fire Department on the design and configuration of the speed cushions.

While the speed cushions are the first of their kind in Orange, they are portable and removable. And, if installed, they would serve as the basis of a pilot program, by providing an opportunity to assess their effectiveness, as well as long-term durability and desirability.

Petition Phase:

To identify the level of neighborhood support, a petition was circulated to residents of the affected blocks. To ensure residents were fully informed, the petition was accompanied by a Tentative Speed Cushion Location Map and a Speed Cushion Information Sheet, both of which are included as attachments to this report. These materials provided detailed information on the proposed installation sites, the function of speed cushions, and their anticipated benefits in encouraging slower vehicle speeds.

The table below shows the petition results and indicates a majority of the residents on Maple Avenue are in support of speed cushions.

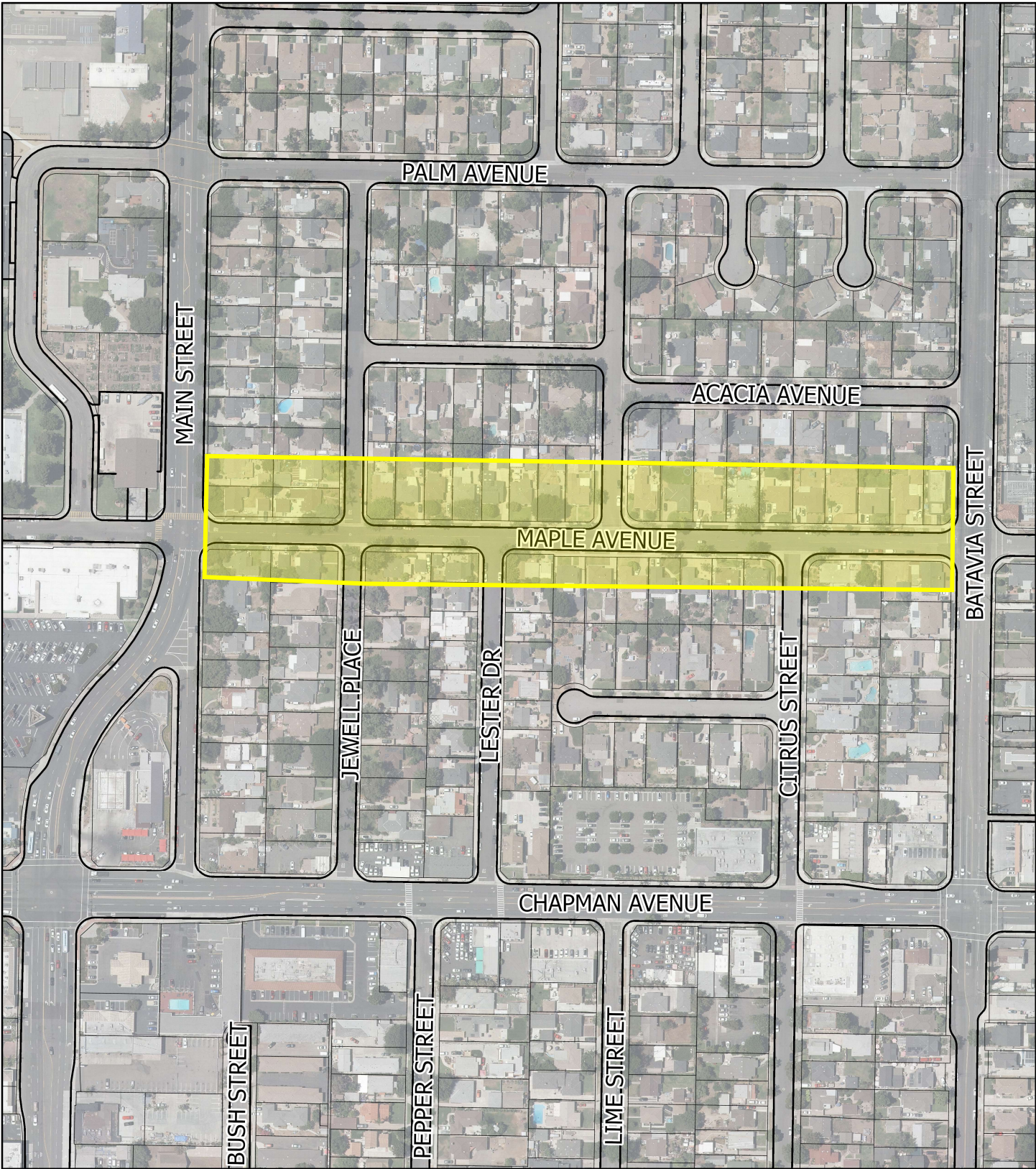
Street Segment	Homes In Favor		Homes Opposed		Unresponsive	
Maple Avenue	19	55%	6	17%	9	28%

Findings:

Based on the above, staff recommends that the City Traffic Commission consider the installation of speed cushions on Maple Avenue between Main Street and Batavia Street and forward the matter to the City Council for approval. The cost to furnish and install the speed cushions is estimated between \$15,000 and \$20,000; and can be funded within the approved FY 26 budget.

7. ATTACHMENTS

- Area Map
- Tentative Speed Cushion Location Map
- Speed Cushion Information Sheet
- Notification Letter



LEGEND:



SUBJECT AREA



Note: This map depicts approximate placement of speed cushions. The speed cushion configuration across the roadway is not exact; it is conceptual.

Speed Cushion Information Sheet

Please read the list below outlining the advantages and disadvantages of installing speed cushions. Sign the petition and choose whether you are opposed or in favor of installing speed cushions on your street.

Advantages:

- Effective in reducing vehicle speeds
- Does not require parking removal
- Speed cushions do not affect intersection operations

Disadvantages:

- Speed cushions can possibly increase noise from braking and acceleration of vehicles
- Increase wear on vehicles
- Some designs may impact aesthetics.





City of Orange

Public Works Department
300 E. Chapman Ave.
Orange, CA 92866

November 20, 2025

Dear Resident/Property Owner:

This is to inform you that the City Traffic Commission will be hearing a request for the follow item(s):

- **Installation of speed cushions on Maple Avenue from Main Street to Batavia Street.**

The matter will be considered at the **December 10, 2025**, meeting of the City Traffic Commission. The meeting is scheduled at **5:30 p.m.**, in the **City Council Chamber**, located at 300 East Chapman Avenue.

For your information, a map depicting the approximate placement location is enclosed.

You and any other interested party are encouraged to attend this meeting and express your opinions and/or concerns regarding this issue. Please feel free to contact Maria Flores at (714) 744-5525 or mpflores@cityoforange.org if you have any questions.

Sincerely,

Larry Tay, P.E., PTOE
City Traffic Engineer



(714) 744-5525



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