

J.3 Speed Cushions on N Juanita Avenue (700 Block)

Public Works & Sustainability Commission—April 22, 2024

ATTACHMENT 1: Existing Conditions Map

-  Existing All-Way Stop
-  Existing Stop Sign



Speed Cushion Request: Petition and Timeline

- Request received in January 2024.
- Street qualifies for speed cushions from a grading, alignment, and classification perspective per Council policy.
- Per Council policy, **2/3 of subject block** required to sign the petition form (40 of 59 total residences) in order to perform study.
- Materials sent to resident petitioner, who **received approval from 48** of the 59 subject residences along the block, above the 2/3 threshold.
- 38 approval signatures were verified (not required per policy)
- Per Council policy, staff moved forward with engineering study

Engineering Study

- City policy requires a speed and volume survey to be performed as part of staff's engineering analysis.
- Thresholds for speed cushion consideration are >32 mph and <3,000 ADT.
- Other criteria such as grade, street classification, and alignment were met.

Study Results

- 32 mph speed threshold not strictly met in both directions
- Threshold met in the downhill direction
- Staff deems the speed threshold met in this circumstance

**700 Block N Juanita Avenue
Speed and Volume Summary**

DATE	NORTHWEST VOLUME (VEH/DAY)	SOUTHEAST VOLUME	TOTAL DAILY VOLUME	NORTHWEST 85TH % SPEED (MPH)	SOUTHEAST 85TH % SPEED	TOTAL 85TH % SPEED
Sunday, 24 March 2024	262	223	485	33	29	32
Monday, 25 March 2024	345	267	612	33	30	32
Tuesday, 26 March 2024	351	351	702	32	30	30
Wednesday, 27 March 2024	345	280	625	32	30	31
Thursday, 28 March 2024	345	314	659	32	29	31
Friday, 29 March 2024	328	276	604	33	30	31
Saturday, 30 March 2024	228	214	442	32	29	31
7-DAY AVERAGE			590			
AVERAGE 85TH % SPEED				32	30	31
REQUIRED SPEED FOR SPEED CUSHIONS						32

[a] Northwest is towards Agate, southeast is towards Beryl.

Speed Cushions – Proposed Locations

- Based on engineering study and staff observations, staff recommend the installation of (1) set of speed cushions at the midblock of the 700 block of N Juanita Avenue
- Speed cushions would be prefabricated, rubber, and would not require repaving. Signage and associated striping would be installed similar to other recent installations in the City. No street parking is anticipated to be removed.
- Speed cushions would be placed to allow emergency vehicle bypass.
- (1) set of speed cushions are proposed at 714-716 and 715 N Juanita



According to petitioner, 716 front unit in process of moving out

Proposed location

Signature Received

Available Alternatives:

- Recommend staff advance consideration of speed cushions along the 700 block of N Lucia Avenue to the City Council.
- Do not support the recommendation from staff.
- Other options as determined by the PWSC.