Traffic Calming Project Report

Trailwood Hills Dr between Tryon Rd and Lineberry Dr



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1) Project Overview and Existing Conditions

Project Overview:

The Trailwood Hills Dr traffic calming project focuses on addressing the identified speeding and speed related crash issues identified through engineering evaluations along the street.

Trailwood Hills Dr was prioritized as #12 out of the highest-ranking propriety traffic calming projects that meet warrants for action. This priority list was presented to City Council with the Neighborhood Traffic Management Program's Annual Report and approved to begin design and engagement work at the May 5, 2026 City Council meeting.

Existing Conditions:

- 85th Percentile Speed: 32 mph in the 25 mph zone
    - This is the speed at which 85% of drivers are going at or under.
- Volume: 1650 average daily vehicle trips
- Crashes: 1 speed related crash in the previous 3 years

2) Desired Outcomes

The goal of this project is to slow drivers down to approximately the speed limit and work to eliminate/minimize future speed related crashes. This will be measured with an after-study to be performed approximately 6 – 9 months after the project's completion.

Staff will define the project as successful if the 85th percentile speed of the street is within 3 mph of the posted speed limit and secondarily a 95th percentile speed of the street within 8 mph of the posted speed limit.

A second after-study will be performed approximately 3 years after the project has been completed to compare crash rates along the street to measure if speed related crashes have decreased.

3) Project Timeline & Engagement

City Council Approval for Design/Engagement: May 5, 2026

Touchpoint 1 – Learn & React: September 21, 2026 – October 9, 2026

- Views: 246
- Participants: 34
- Responses: 63
- Comments: 30

Touchpoint 2 – Review: October 19, 2026 – November 6, 2026

- Views: 118
- Participants: 2
- Responses: 28
- Comments: 0

Touchpoint 3 – View Final Design: November 16, 2026

Construction: Construction bidding spring 2028

4) Touchpoint 1: Preliminary Layout & Feature Options and Resident Feedback

Preliminary Layout:



The preliminary layout recommended 5 vertical devices along the street spaced at approximately 500' intervals.

Resident Feedback:

The general sentiment reflects a community that is concerned about vehicle speeds on Trailwood Hills Drive, with many residents supporting traffic calming measures to improve neighborhood safety, particularly for children, pedestrians, and cyclists. Several commenters described frequent speeding, especially at night, and expressed concerns about buses and cut-through traffic traveling too fast through the neighborhood. While there was broad support for slowing vehicles, many residents indicated a preference for

speed cushions over speed humps due to their reduced impact on emergency response vehicles and overall drivability. Residents voted 62% in favor of speed cushions, demonstrating a clear preference for that traffic calming option.

At the same time, a recurring theme in the feedback was that speeding may not be the only or primary safety concern. Numerous residents raised concerns about on-street parking narrowing the roadway, limiting sight distance, and creating conflicts when buses and other large vehicles travel through the neighborhood. Several commenters requested that parking conditions be evaluated, with some suggesting parking restrictions in areas with poor visibility. Others recommended increased traffic enforcement, bus route modifications, bicycle accommodations, or alternative approaches to address speeding. A smaller group of residents opposed both speed humps and speed cushions, citing concerns about necessity, driver inconvenience, emergency access, and the perception that existing traffic calming measures are already sufficient.

Updated Design Considerations:

Staff is not recommending adjustments to the proposed device locations or quantity based on community feedback. Staff is recommending that Speed Cushions advance as the selected device, reflecting the 62% community approval. Throughout the engagement process, residents consistently expressed concerns regarding speeding and unsafe driving behaviors, pedestrian and child safety, transit operations, street width, and on-street parking and visibility. Speed Cushions address the primary traffic safety concerns while minimizing impacts to emergency response, which was an important consideration given the neighborhood's feedback.

Staff also recognize the importance of the two existing transit routes along Trailwood Hills Drive, which serve residents traveling to surrounding neighborhoods and the Avent Ferry and Carolina Pines transit connections. Traffic calming is intended to support safer travel for all roadway users, including transit riders, pedestrians, and motorists. Any specific on-street parking or visibility concerns can be reviewed separately by City parking staff for potential corrective action.

5) Touchpoint 2: Advanced Layout & Feature Selection and Resident Feedback

Revised Layout:



The revised layout maintains the recommended 5 vertical devices along the street while recognizing the existing transportation connections within the corridor. This area serves both the Avent Ferry and Carolina Pines transit routes, with 6 bus stops receiving daily ridership, and connection to existing bicycle lanes that support micromobility connection. The combination of transit access, bicycle infrastructure, and neighborhood traffic calming helps accommodate multiple modes of transportation while encouraging speed-compliant driving behavior and maintaining a safer environment for all roadway users.

Resident Feedback:

No further resident feedback was provided during this engagement period.

Updated Design Considerations:

Staff is not recommending adjusting the proposed device locations or quantities based on the lack of comments in this round of engagement.

6) Touchpoint 3: Final Design and Design Recommendations

Final Design Recommendations:



Staff is recommending the installation of 5 speed cushions along Trailwood Hills Drive to address documented speeding concerns while maintaining efficient access for emergency response vehicles and transit services. Resident feedback indicated a strong desire to improve neighborhood safety, particularly for pedestrians and cyclists, and residents voted 62% in favor of speed cushions. The recommended devices are intended to encourage speed-compliant driving behavior while balancing the corridor's transportation needs and providing a safer environment for all roadway users.

General Sentiment Breakdown and how engagement informed the design:

First round of engagement found general project sentiment:

- Positive: ~55%
- Neutral: ~20%
- Negative: ~25%

Second round of engagement found general project sentiment:

- No comments

Based on the first round of engagement where there was overall support for traffic calming and support for Speed Cushions, staff is recommending the advancement of the project along Trailwood Hills Dr.