

TRANSPORTATION

Preliminary Traffic Calming Design & Public Comment





How do we approach the traffic calming design?

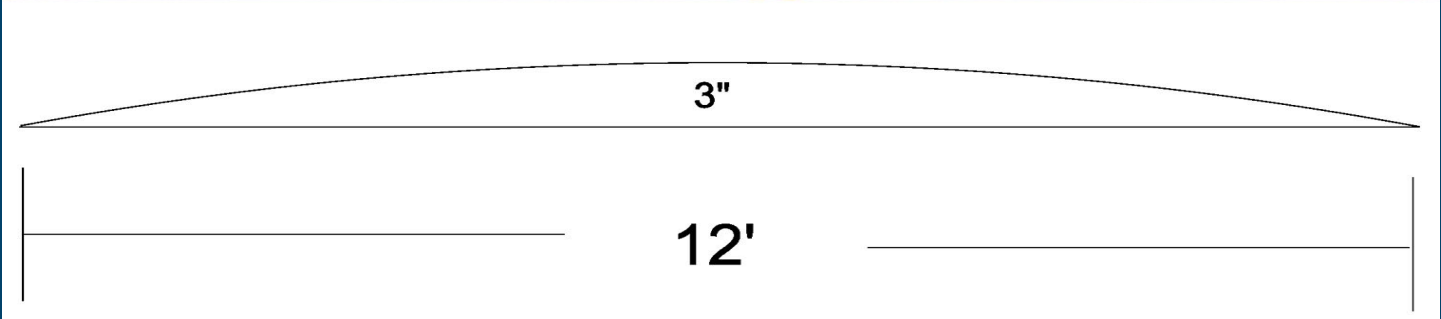
- Consistent treatment placement along entire street
 - 400' – 700' spacing of treatments
 - Close spacing is used for streets with a higher speed compliance issue
 - Target pedestrian heavy amenities to increase safety, such as senior living center, the community center/pool/tennis courts, and the adjacent golf course
- Targeted placement to fix a speed related crash issue
 - If a pattern of speed related crashes is identified, targeted treatment placement can eliminate that crash pattern
 - If no pattern is identified locationally, but multiple speed related crashes have occurred, consistent treatment spacing can help eliminate crashes along an entire street



Treatment Limitations

- Your street's width will determine what types of treatments can be placed
 - Willow Oak Rd is approximately 41' wide
 - Based on this street width and geometry, vertical traffic calming elements are appropriate and are being proposed as part of this project

Speed Humps (vertical)





Speed Humps (vertical)

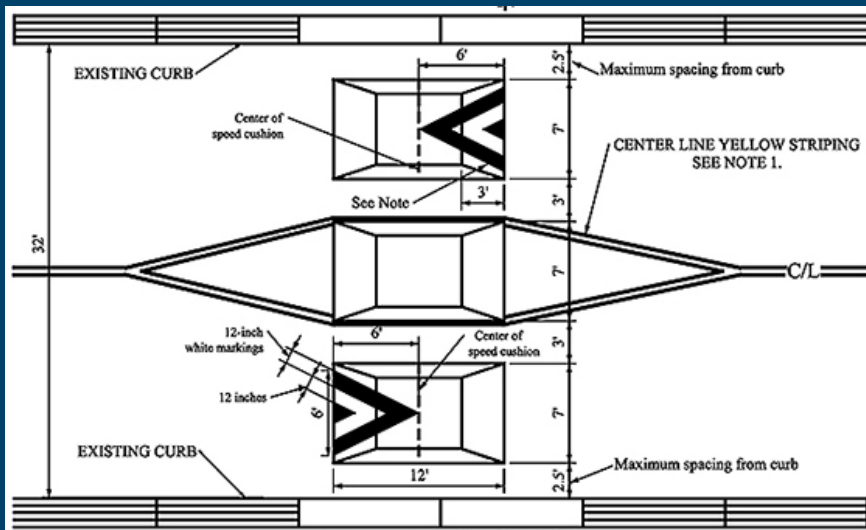
Pros

- Can be the most effective
- Fast installation time/Less impact during construction
- Versatile placement options based on compact footprint

Cons

- Does not contrast as much with existing roadway
- Impact to driving comfort
- Creates slight delay in emergency service's response times

Speed Cushions (vertical)



*Speed Cushion dimensions vary based on roadway dimensions



Speed Cushions (vertical)

Pros

- Can be as effective as speed humps
- Relatively low impact installation timeline, but slightly slower than a standard hump as more labor is required
- Versatile placement options based on compact footprint
- Slightly faster emergency service's response times due to tire slits for larger vehicles

Cons

- Does not contrast as much with existing roadway
- Reduced driving comfort
- There is still some level of delay to emergency service's response times when compared with no treatment



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Evaluation Data



Willow Oak Rd - E

4 speed related crashes in the previous 3 years



0 200 400 800 ft
1 inch equals 400 feet

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Design Process

- Based on the speed progression and curvy nature of Willow Oak Rd, we are proposing treatment spacing of approximately 500' intervals
- There is a relatively high number of speed related crashes along the street that are concentrated near the major curves. Focusing traffic calming in the straight sections at the beginning and ending points of the curves will dramatically help to eliminate similar speed related crashes from occurring in the future while also helping to reduce driver speeds



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Project Goal

- The project will be deemed effective if 85% of drivers are going at or below the 25 mph speed limit and top driver speed is capped at around 5-7 mph over the speed limit
 - Based on your location, Baugh St and Huntleigh Dr are the closest completed traffic calming project to you with this style of completed project. We encourage you to go drive these streets yourself to experience the final project.
- Once the project has been completed for approximately 6 months, an after-study will be performed to measure project effectiveness



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Public Comment

- What are your thoughts on the proposed design?
 - Should we place more or less treatments along the street?
- Have we adequately addressed problem areas you see?
 - Should we place another traffic calming treatment in a targeted location?
- What are your thoughts on the mix of treatments being proposed?
- What other questions, comments, suggestions do you have?

Please direct all comments and questions to staff using the PublicInput portal for Willow Oak Rd - E. Staff will respond and we can have a neighborhood wide conversation.

