

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 access to the Leesville Community Park & Library, bike lanes, Leesville Road High School
- 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

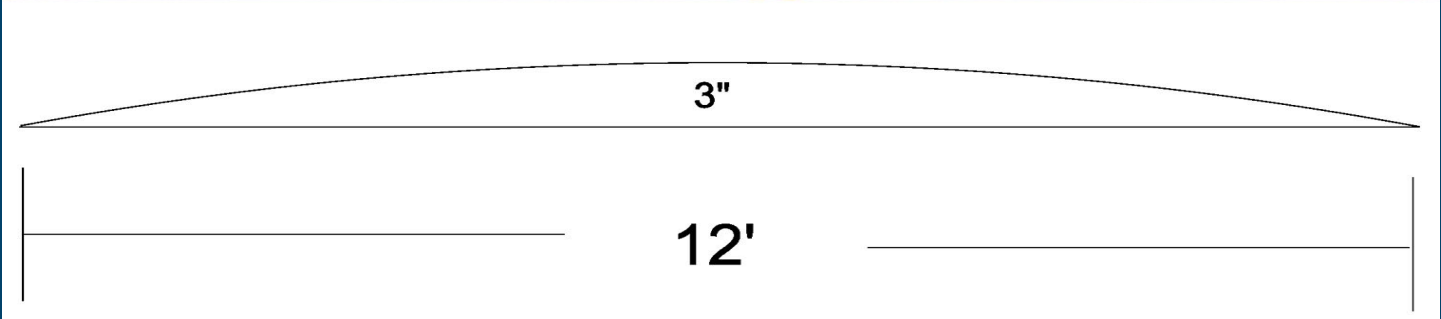


Raleigh

Treatment Limitations

- Your street's width will determine what types of treatments can be placed
 - Country Trl is approximately 41' wide
 - Due to the existing buffered bike lanes and high school carpool queue, vertical traffic calming treatments are the preferred traffic calming method

Speed Humps (vertical)





Speed Humps (vertical)

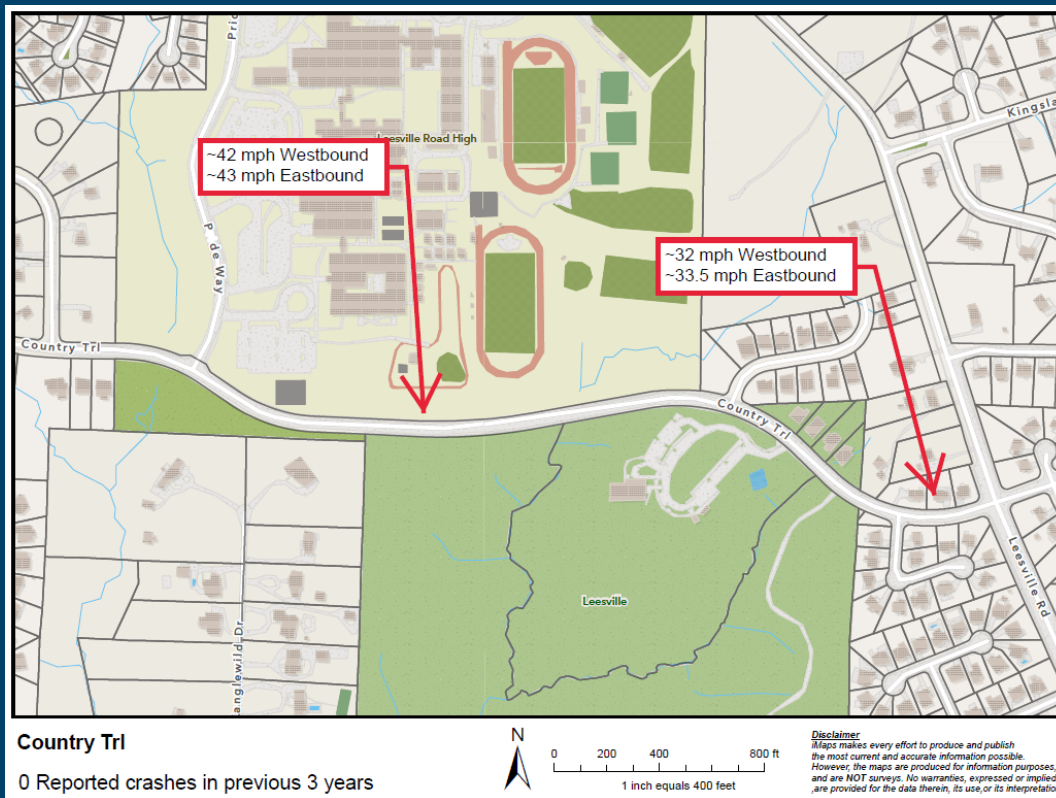
Pros

- 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

Evaluation Data





Raleigh

Design Process

- Based on the speed progression and vehicular use patterns along Country Trl, we are proposing a treatment spacing of approximately 500' intervals
- There have been no reported speed related crashes at the time of the evaluation. Driver speeds are the main point of focus for this design. Consistent treatment placement will encourage speed compliant driving while creating a better environment for cyclists and pedestrians in the area.



Raleigh

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, Shelley Rd, Cranbrook Rd, and Northbrook 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



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 Country Trl. Staff will respond and we can have a neighborhood wide conversation.

