

TRANSPORTATION

Preliminary Traffic Calming Design & Public Comment





How do we approach the traffic calming design?

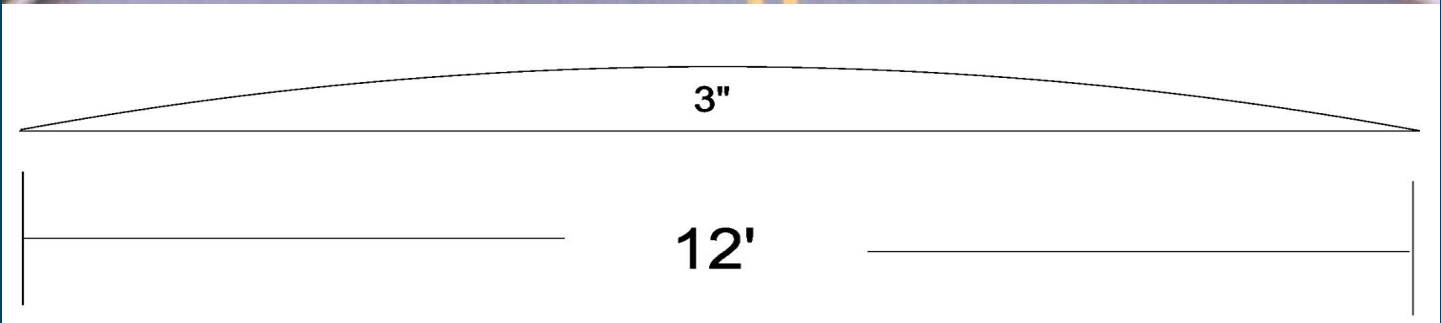
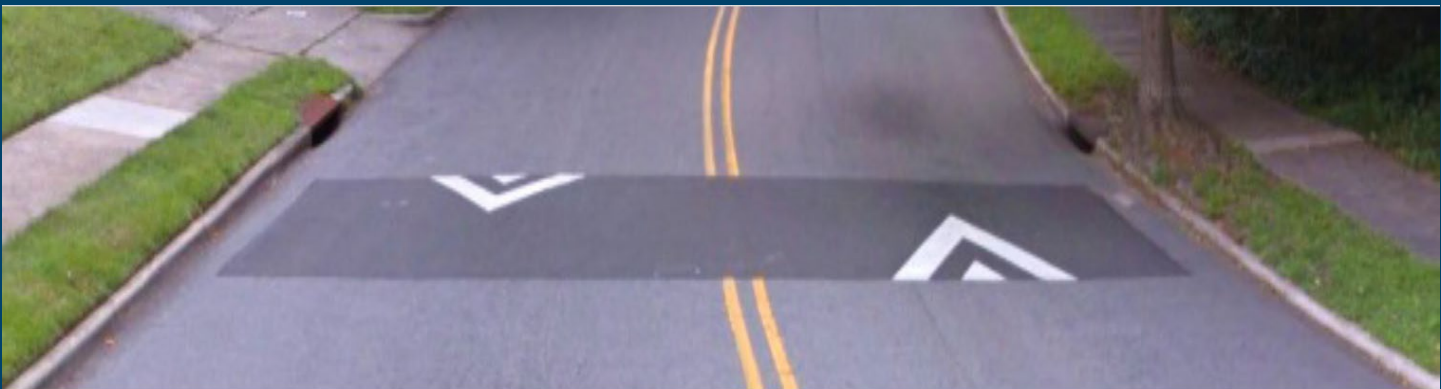
- Consistent treatment placement along entire street
 - 400' – 700' spacing of treatments
 - Close spacing is used for streets with a higher speed compliance issue
 - Target pedestrian heavy amenities to increase safety, such as access to the Leesville Road Community Park & Library and Hilburn Drive Academy
- 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
 - Hilburn Dr is approximately 41' wide
 - Based on this street width, the hills on the street, and curvy nature of the street, vertical traffic calming elements are appropriate and are being proposed as part of this project

Speed Humps (vertical)





Speed Humps (vertical)

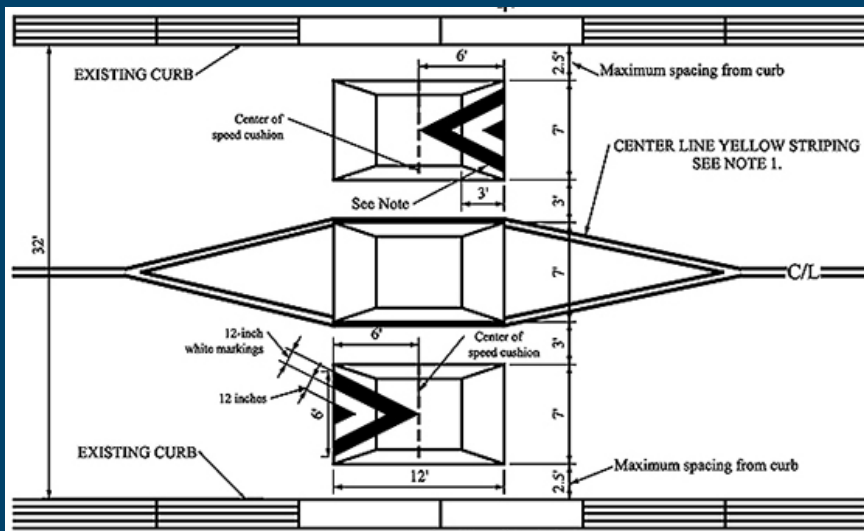
Pros

- 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

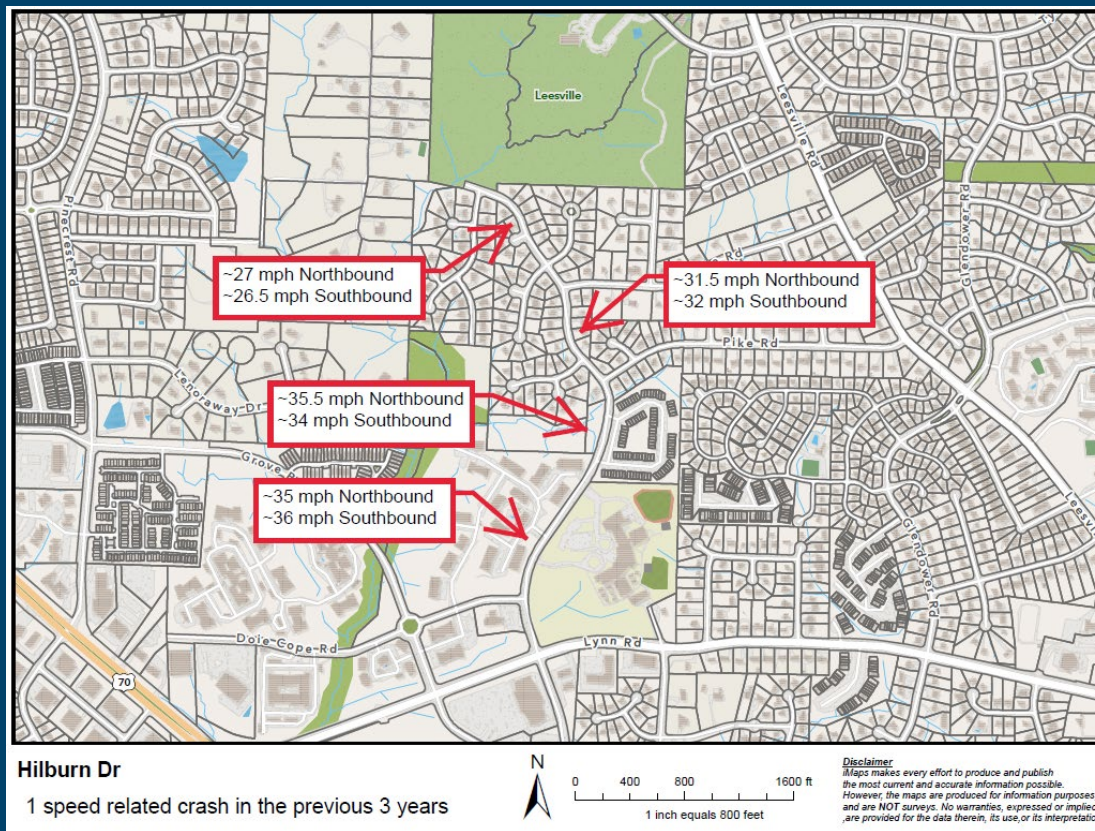
Cons

- 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



Raleigh

Evaluation Data





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Design Process

- Based on the speed progression along Hilburn Dr, we are proposing treatment spacing of approximately 500' intervals
- 1 speed related crash was identified at the time of the evaluation. Focusing on speed reduction, especially at strategic locations based on the winding nature of the road will help eliminate similar future crashes from occurring



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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, 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



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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 Hilburn Dr. Staff will respond and we can have a neighborhood wide conversation.

