

# TRANSPORTATION

## Preliminary Traffic Calming Design & Public Comment





# How do we approach the traffic calming design?

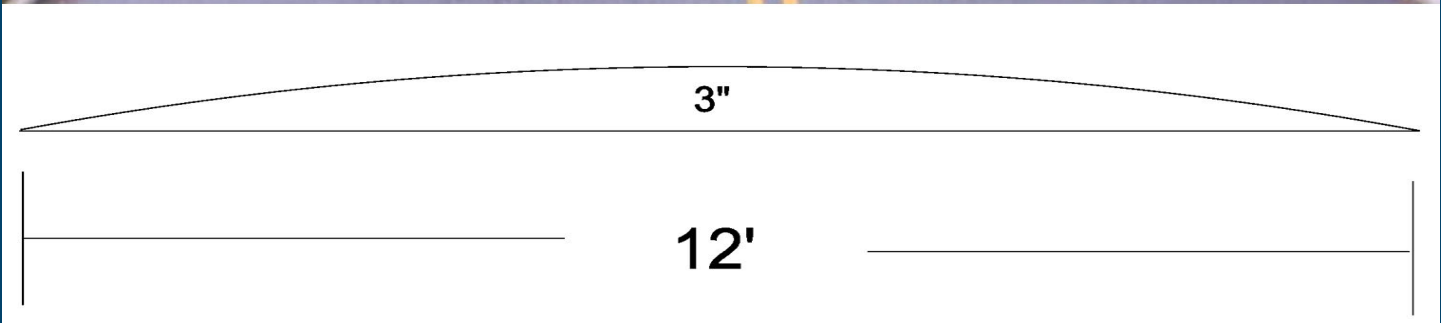
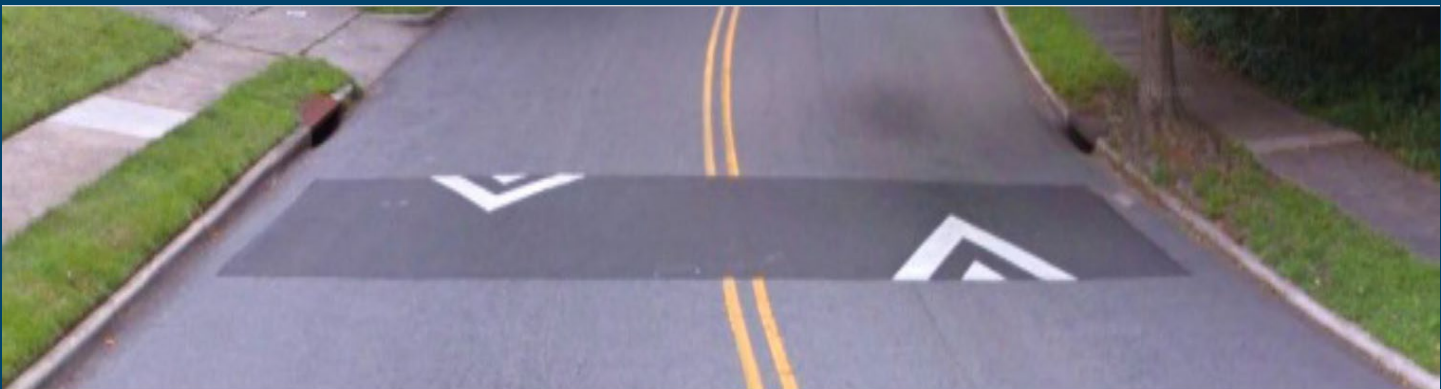
- Consistent treatment placement along entire street
  - 400' – 700' spacing of treatments
  - Close spacing is used for streets with a higher speed compliance issue
  - Target pedestrian heavy amenities to increase safety
- Targeted placement to fix a speed related crash issue
  - If a pattern of speed 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
  - Fairway Dr is approximately 28' wide
  - Based on this street width and roadway design without curb and gutter on both sides, vertical traffic calming elements are appropriate and are being proposed as part of this project

# Speed Humps (vertical)





# Speed Humps (vertical)

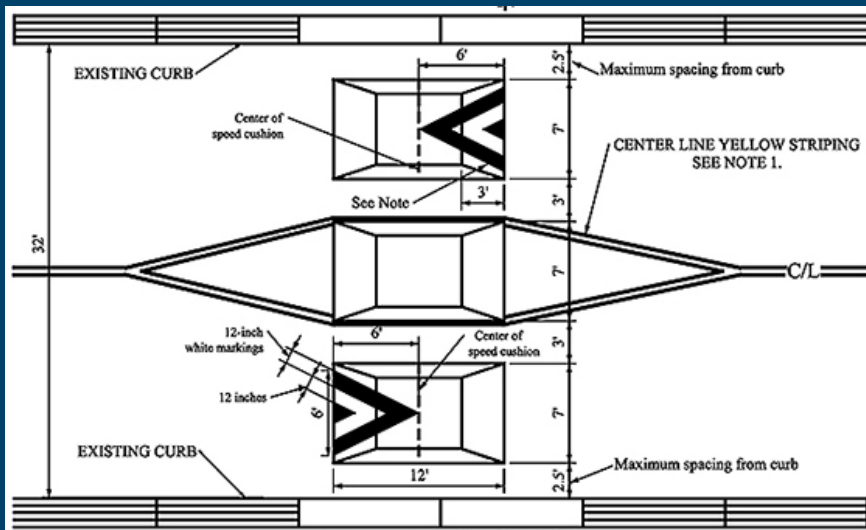
## Pros

- 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)

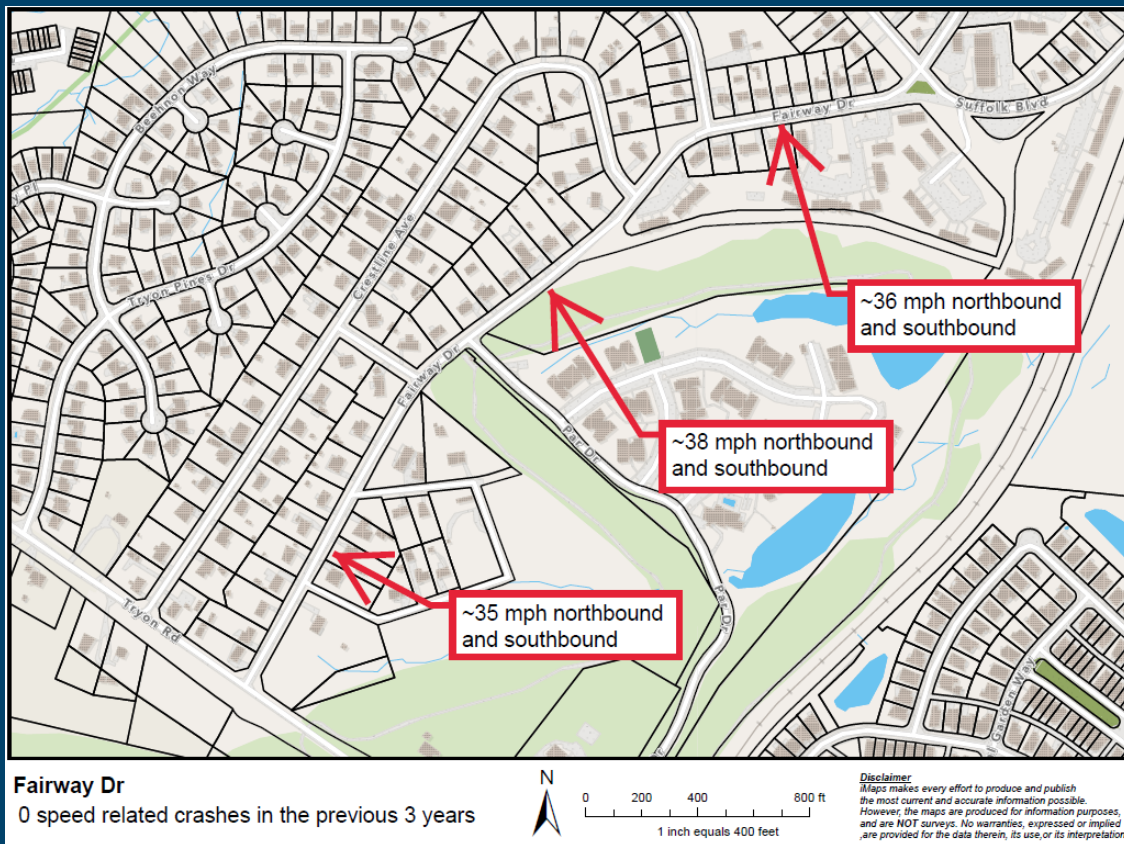
## Pros

- 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

# Evaluation Data







Raleigh

# Design Process

- Based on the speed progression and crash issue identified along Fairway Dr, we are proposing treatment spacing of approximately 400' – 500' intervals
- A speed related crash issue was not identified along Fairway Dr. Speed reduction will be the focus of this traffic calming effort.



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, Pineview Dr, Merrie Rd, and Marcom St 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 other questions, comments, suggestions do you have?

Please direct all comments and questions to staff using the PublicInput portal for Fairway Dr. Staff will respond and we can have a neighborhood wide conversation.

