

A traffic calming study for James Road was conducted by LTG Engineering & Planning on behalf of Taylor Morrison of Florida, Inc., associated with the Windward Preserve Development, and in accordance with the provisions of the Stipulated Settlement Agreement recorded in the public records of Brevard County (OR Book 5837, Pages 2226-2245, Section 3(7), Brevard County v City of Cocoa). In accordance with the Stipulated Settlement Agreement, we are soliciting input from property owners along James Road pertaining to the placement of traffic calming devices on James Road.

It is important to note that the development is within the city limits of the City of Cocoa. However, the Stipulated Settlement Agreement provides, in pertinent part, that the County residents along James Road be consulted as it relates to the locating of traffic calming devices on James Road, which is a County-owned and -maintained road.

The results of the traffic calming study identified several strategies, including eight (8) speed tables, textured pavement at the intersections of James Road at Friday Road and at Cox Road, reduced lane widths, and edge line rumble strips.

Speed tables installed on Brevard County roadways are typically 22 feet in travel length with a 10-foot-long flat top center and 3 inches in height. These dimensions create a gentle vehicle rocking motion which results in most vehicles slowing to 25-30 mph at each speed table and 35 mph between properly spaced tables in a system. They are very effective when installed in a series of tables to prevent motorists from speeding before and after the table. Emergency response time and transport experience is less impacted using speed tables as such a traffic calming device strikes a balance between reducing overall speed of traffic on the roadway without overly hindering the flow of emergency personnel.

Your response is requested no later than October 4, 2024. Your participation and feedback are important in this process. Please indicate your response and preferences on the enclosed Traffic Calming Survey form and return the form to the Brevard County Traffic Engineering Program using the postage paid envelope.

Your input will provide valuable insight on how the community feels about adding traffic calming devices on James Road. This information, in conjunction with traffic studies performed by licensed professional engineers, will be used by County-staff to make a final decision as it relates to the use of traffic control devices on James Road.

Your response is requested no later than October 4, 2024! Brevard County Traffic Engineering will accept mailed response surveys received up to 1 week after this date.

INSTRUCTIONS:

- 1) One survey is being sent to each property along James Road. The owner(s) of the property are requested to send back one consolidated response.
- 2) Only surveys received by the due date will have their responses counted. A “no response” or failure to respond will not be counted.
- 3) Once the survey is completed, please timely send the survey form to the Brevard County Traffic Engineering Program using the postage paid envelope for return service.

ATTACHMENTS:

- Traffic Calming Survey Form
- Map of Survey Area showing the approximate locations of Speed Tables
- Speed Table Detail
- Detail showing Textured Pavement at intersections
- Detail showing Lane Reduction with Vibratory Edge Line Markings
- Pre-paid postage return envelope addressed to Brevard County Traffic Engineering

If you have questions, please contact Brevard County Traffic Engineering at (321) 633-2077.



James Road – Traffic Calming Survey

Please complete the following traffic calming survey and return this form to Brevard County Traffic Engineering using the provided postage paid envelope.

1. How concerned are you about the current traffic speed and safety conditions on James Road?

- Not concerned
- Slightly concerned
- Moderately concerned
- Very concerned

2. How concerned are you about the potential impact of traffic speed and safety on James Road due to the upcoming Windward Preserve development?

- Not concerned
- Slightly concerned
- Moderately concerned
- Very concerned

3. Select the proposed traffic calming measures that should be installed on James Road to reduce speeding and improve safety. (see handouts for explanation and location of each)

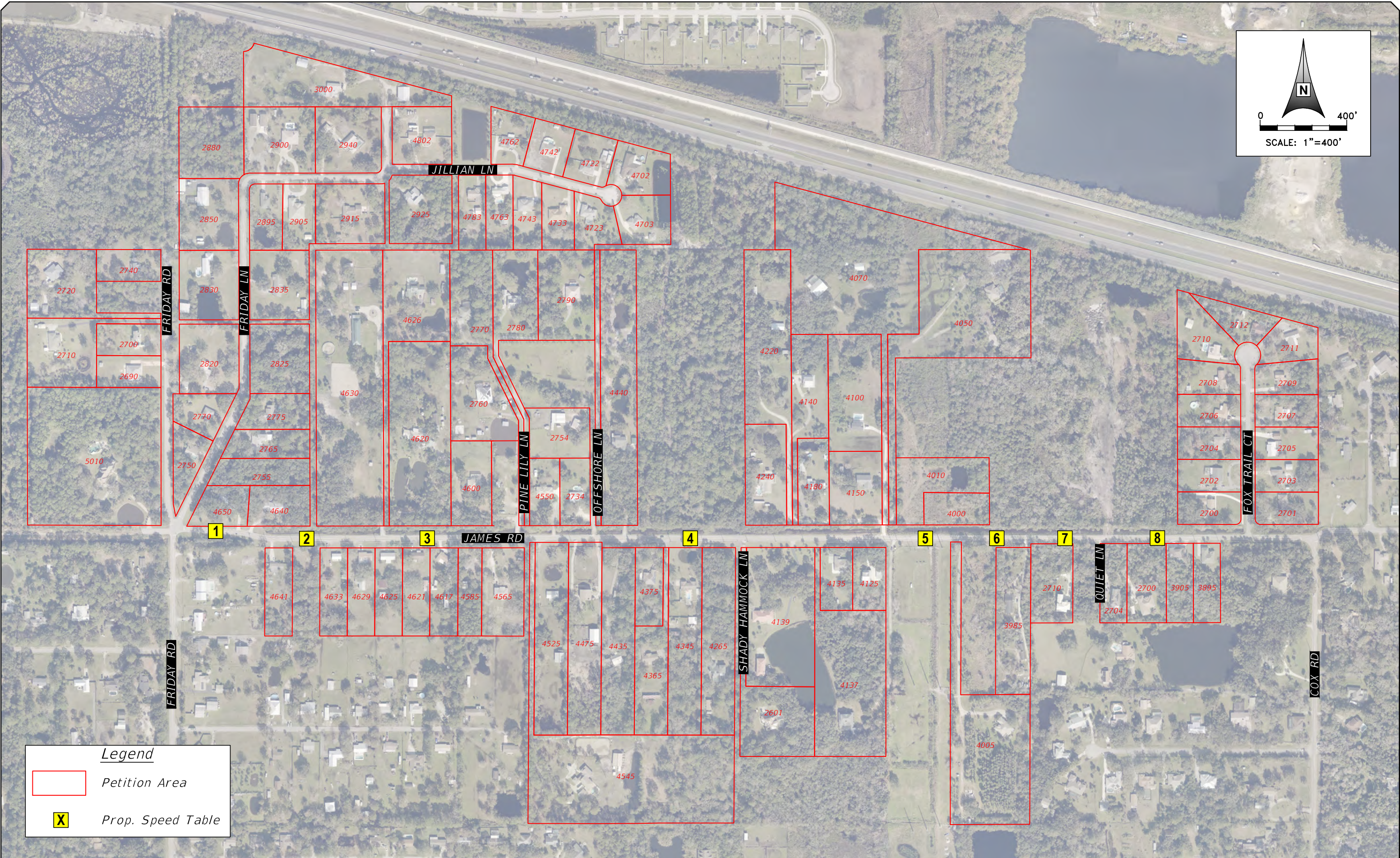
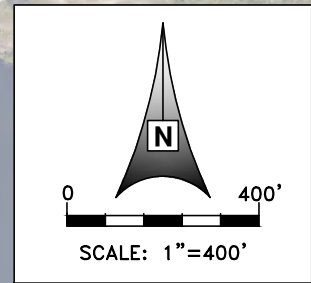
Yes No

- Speed Tables
- Textured Pavement at intersection of James Road at Friday Road
- Textured Pavement at intersection of James Road at Cox Road
- Reduced travel lane width from 11 feet to 10 feet
- Vibratory Edge Markings

Other (please specify): _____

Please complete:

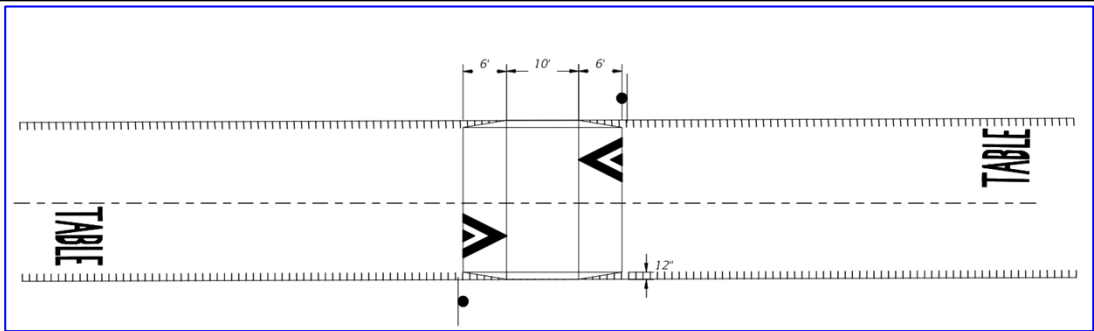
Property Owner Name (print)	
Address (street number and name)	



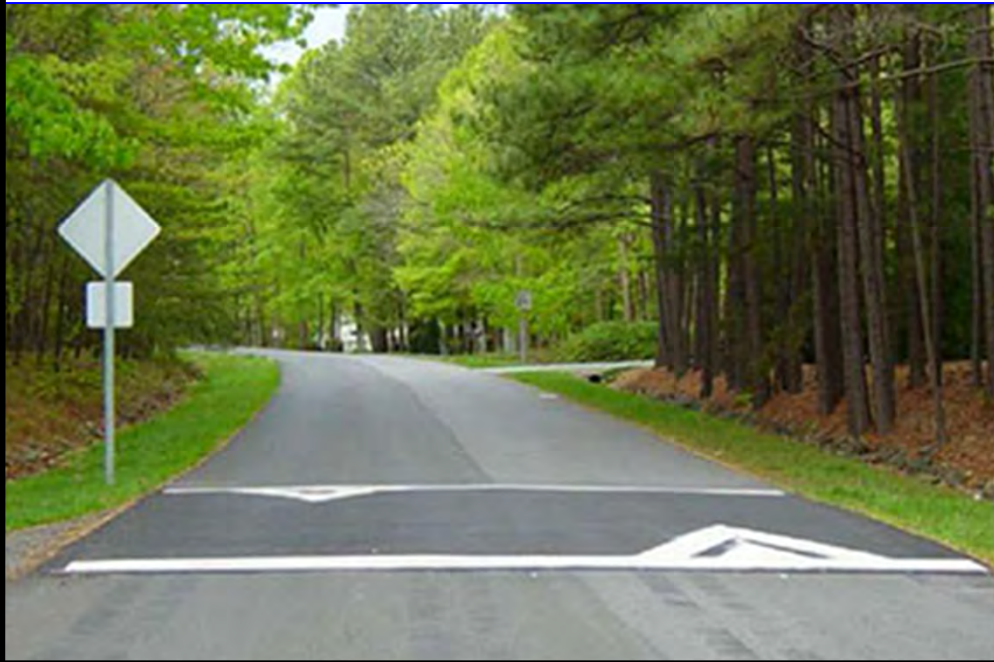
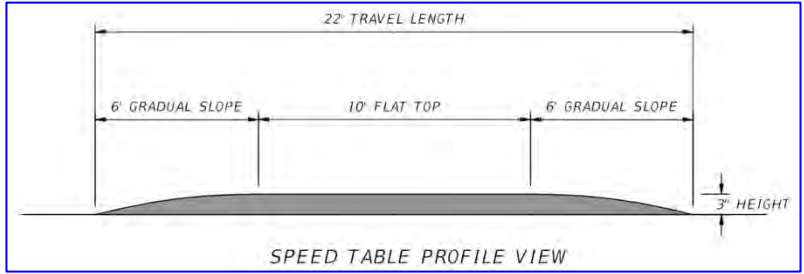
Legend

Petition Area

X Prop. Speed Table

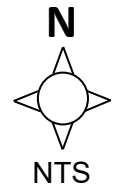


An example of speed table plan view



A speed table is a flat-topped, elongated speed hump designed to slow vehicles on a roadway. It has a height of 3 inches and are often used in residential areas to improve safety.

James Road
Traffic Calming Study

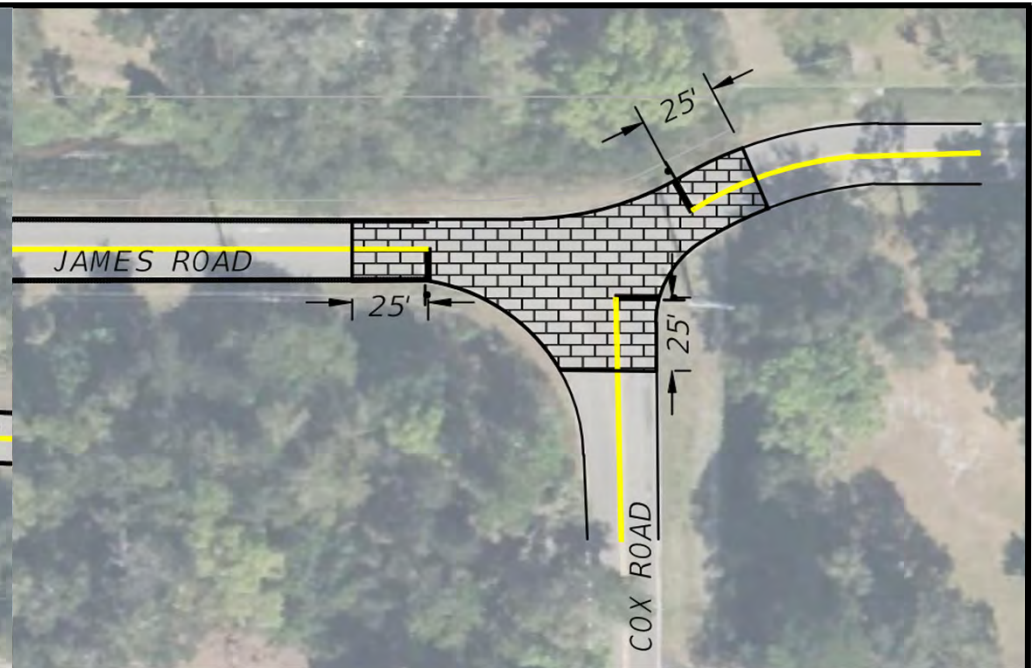
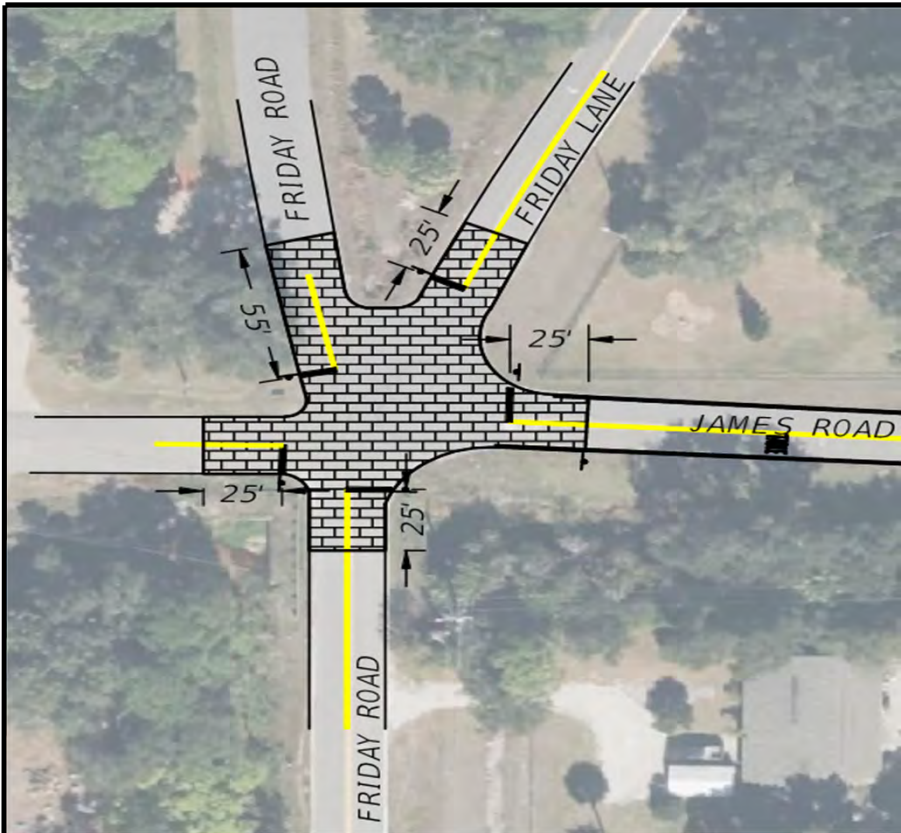


Speed Table

Project No.: 5799.18

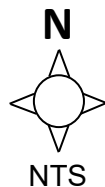
Figure: 1





Textured Pavement at Intersections is a roadway surface treatment that can help reduce vehicle speeds by creating a sensory change for drivers, causing drivers to be more aware of their surroundings and improve safety at intersections.

James Road
Traffic Calming Study



Textured Pavement at
Intersections (Stamped Colored
Asphalt)

Project No.: 5799.18

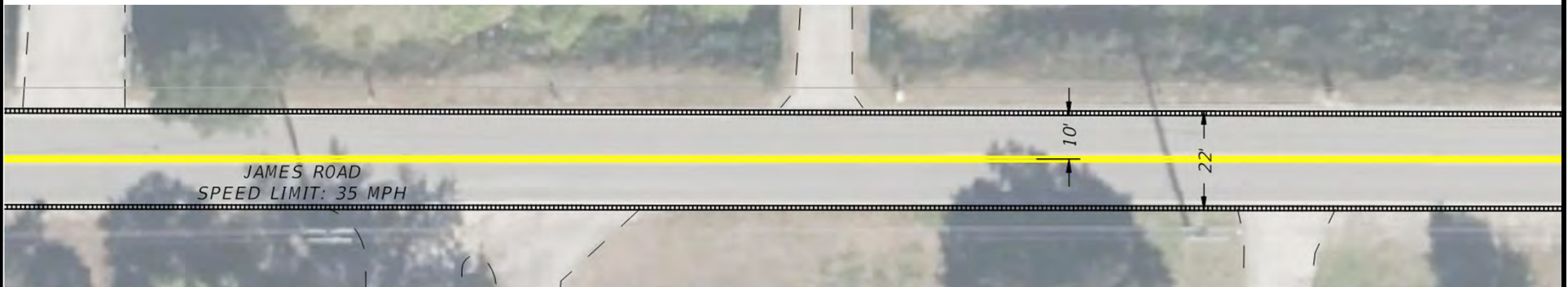
Figure: 2



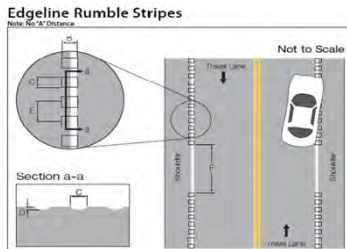
EXISTING CONDITION - 11 ft lane width to edge of pavement:



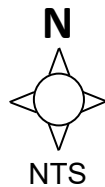
PROPOSED CONDITION - 10 ft lane width with Vibratory Edge Line and with 1 ft paved shoulder: (The 22-ft paved width of James Road remains unchanged. Only striping has been modified.)



A Vibratory Edge Line, also known as a rumble strip, is a raised or grooved pattern that provides tactile and auditory feedback to the driver when a vehicle's tires cross over them. They are used to alert drivers when they are drifting out of their lane to prevent accidents caused by vehicles running off the road. Examples shown below:



**James Road
Traffic Calming Study**



**Reduced Travel Lane with
Vibratory Edge Line**

Project No.: 5799.18

Figure: 3

