

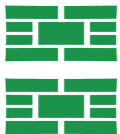
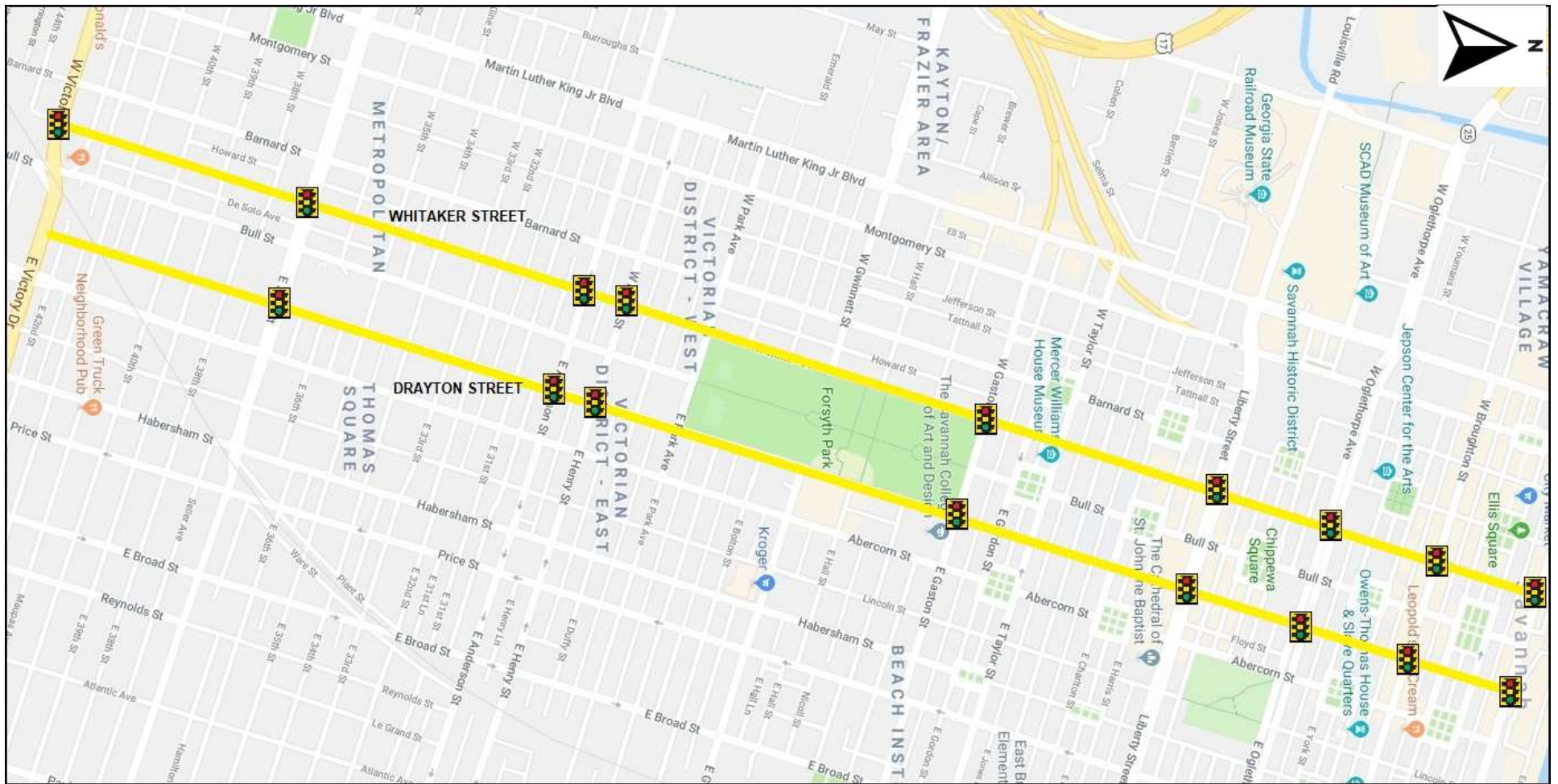


Drayton and Whitaker Streets Traffic Calming Update

City Council Workshop
May 9th, 2019



Drayton and Whitaker Streets



Drayton and Whitaker Streets

What has been done



What is being done



What can be done

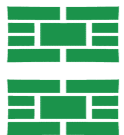


What has been done

Rapid Flashing Pedestrian Beacons



The Beacons and Pedestrian Pushbuttons were installed at 8 intersections next to Forsyth Park in an effort to improve pedestrian safety.



What has been done

Edge lines were added to visually narrow the road



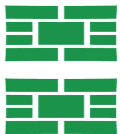
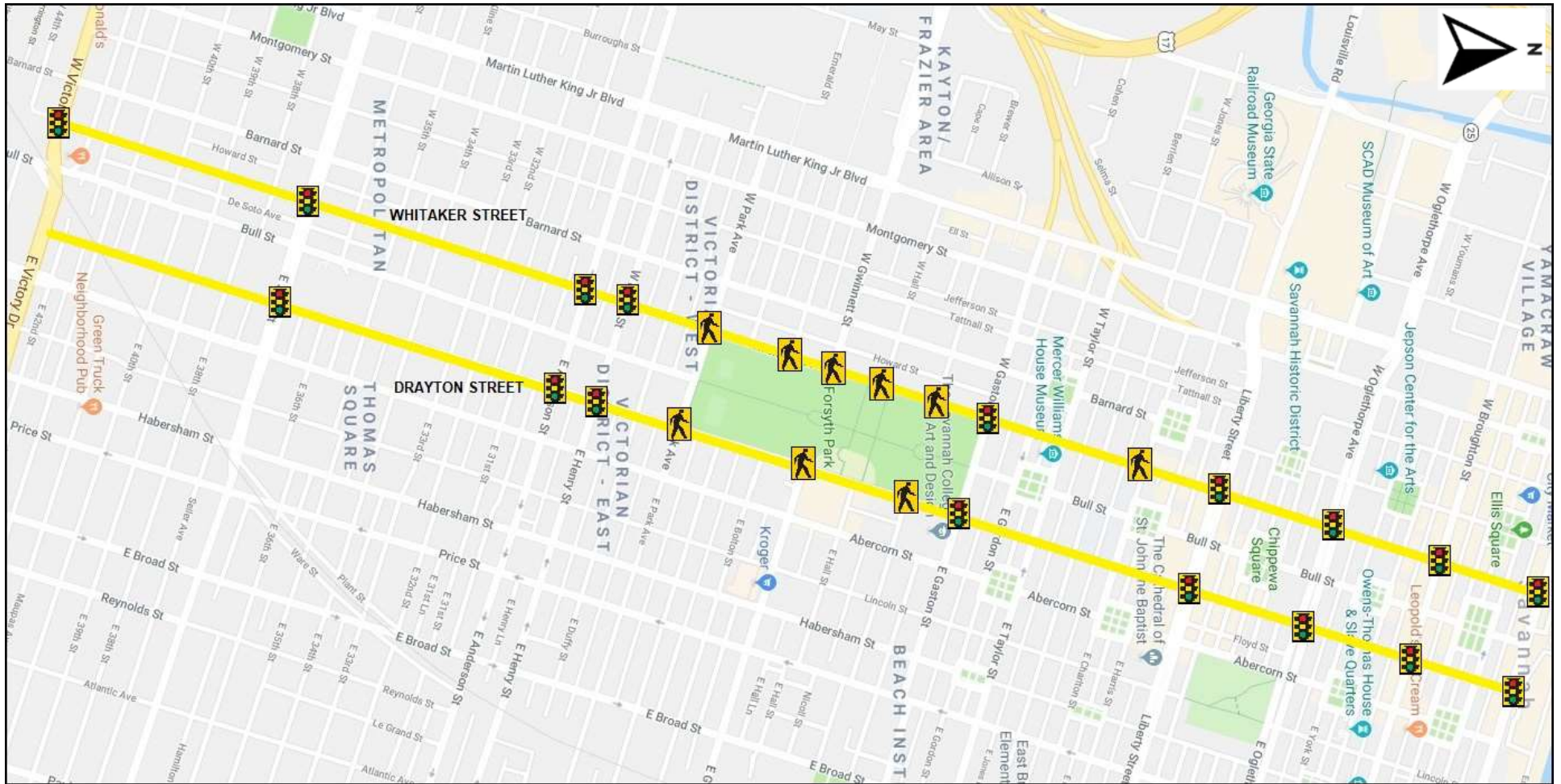
What has been done

- “Visually” narrowing the road showed significant speed reduction based on before/after speed study comparisons.
- An average of both streets showed a decrease of more than 3 mph in the 85th Percentile and 5 mph less for the average speed.

Drayton Street			
	2014	2019	Change
85th %ile Speed	35 MPH	33 MPH	-2 MPH
Average Speed	28 MPH	24 MPH	-4 MPH
% > 30 MPH	58.6%	37.8%	-20.9%
% > 40 MPH	5.8%	3.9%	-2.0%
Whitaker Street			
	2017	2019	Change
85th %ile Speed	34 MPH	30 MPH	-4.5 MPH
Average Speed	29 MPH	23 MPH	-6 MPH
% > 30 MPH	46.3%	16.4%	-30.0%
% > 40 MPH	2.6%	6.8%	4.2%



What has been done



What is being done

Lower Speed Limits

Speed studies and crash data were provided to GDOT in requesting approval to lower the speed limit on Whitaker and Drayton Streets

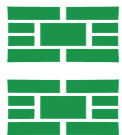
The following changes were approved to be added to the Radar Permit and are expected to be implemented Summer 2019:

ADD TO PERMIT:

- Drayton Street, Bay Street to Liberty Street – 25 mph speed limit
- Whitaker Street, Bay Street to Liberty Street – 25 mph speed limit

CHANGE:

- Drayton Street, Liberty to Park – lower from 30 mph to 25 mph
- Drayton Street, Park to Victory – lower from 35 mph to 30 mph
- Whitaker Street, Liberty to Park – lower from 30 mph to 25 mph
- Whitaker Street, Park to Victory – lower from 35 mph to 30 mph



What is being done

Driver Feedback (RADAR) Signs

Four (4) Driver Feedback signs are to be purchased and installed, one in each speed zone on both streets.

The following locations were determined to be good candidates for the signs:

- Drayton, south of Gordon Street
- Drayton, north of 40th Street
- Whitaker, south of Harris Street
- Whitaker, south of 35th Street

<https://www.youtube.com/watch?v=1xfiNleC3nM&feature=youtu.be>



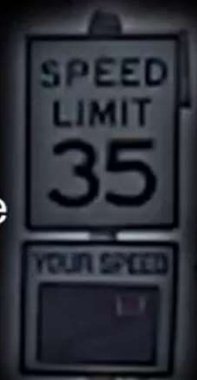
What is being done

25% of autopilot drivers regularly break the speed limit, **brake too late** and **don't stop at pedestrian crossings** because they haven't seen them until it's too late.

-Churchill Insurance Study

The Science Behind Driver Feedback Signs:

A driver's Theta "autopilot" state must be **triggered by an event or interruption** to go to a Beta "engaged" state.



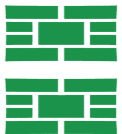
What is being done

Drayton @ Hall Street Traffic Signal Installation

Design is complete and traffic signal mast arm pole bid is pending.



Construction is projected for 4th Quarter of 2019.



What is being done

Whitaker Street Sidewalk Widening

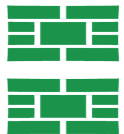
Whitaker Sidewalks will be widened from Bay Street to State Street.

Improvement will include:

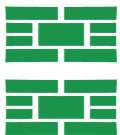
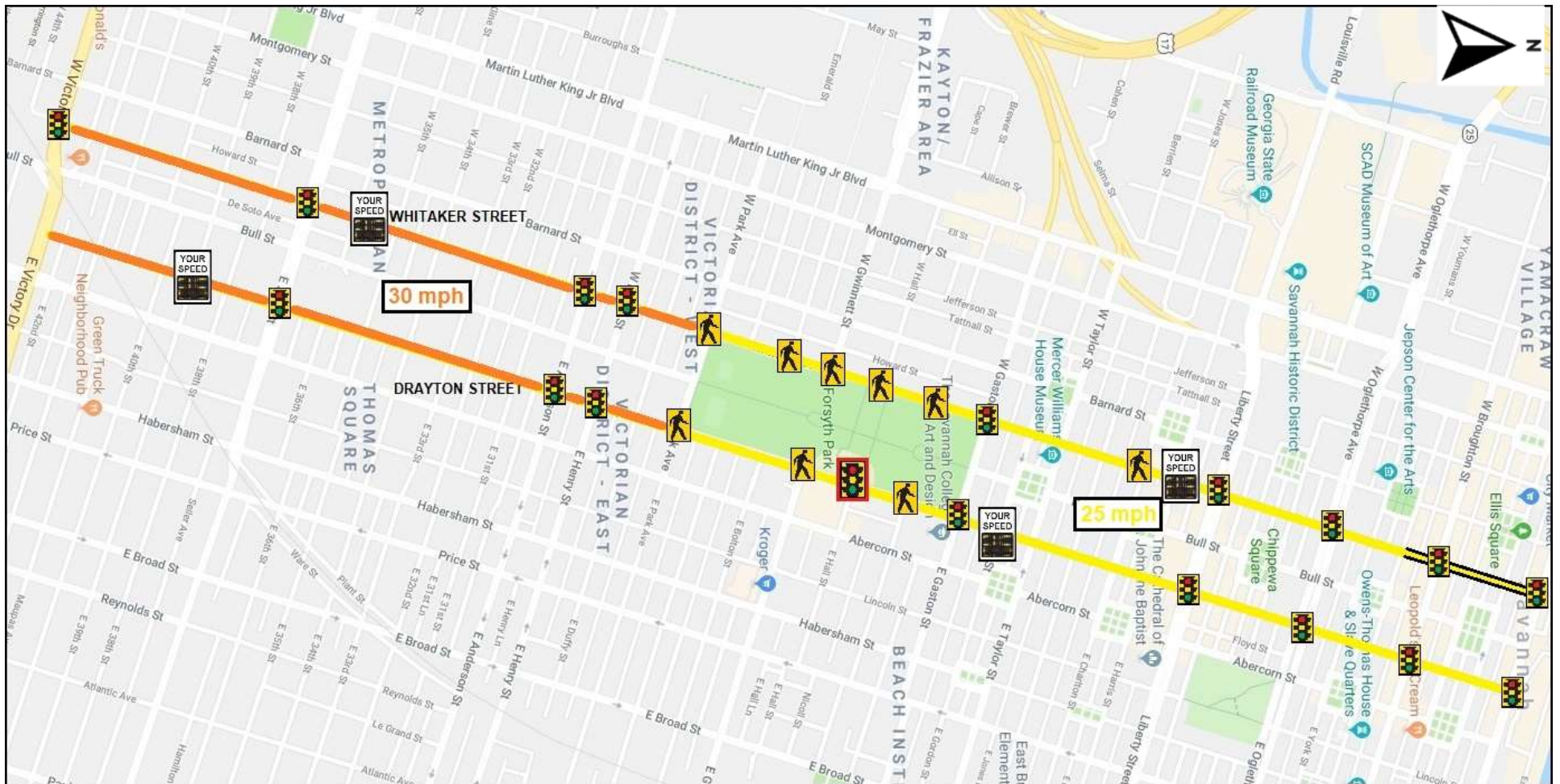
- Decorative Brick Pavers
- Stamped Concrete Crosswalks
- Decorative Street Lights
- Pedestrian Bollards
- Narrowing Traffic Lanes



Construction is expected to go to bid this quarter.



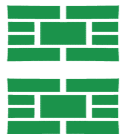
What is being done



What can be done

Physically narrow Whitaker and Drayton Streets by widening sidewalks

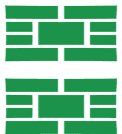
- Further reduces vehicle speeds
- Reduces pedestrian crossing distance
- Improves sight lines for cross streets
- Upgrade sidewalks and ADA access



What can be done

Physically narrow Whitaker and Drayton Streets

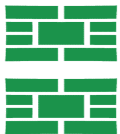
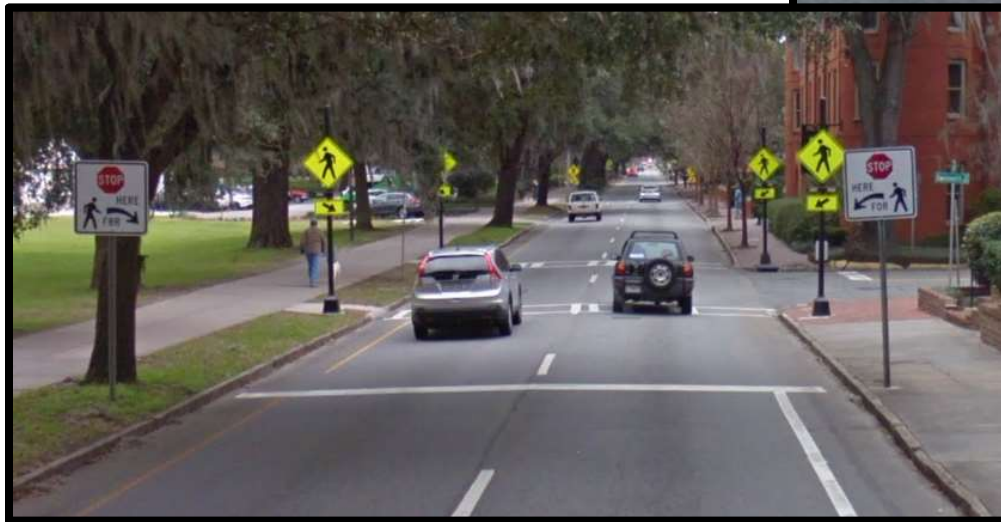
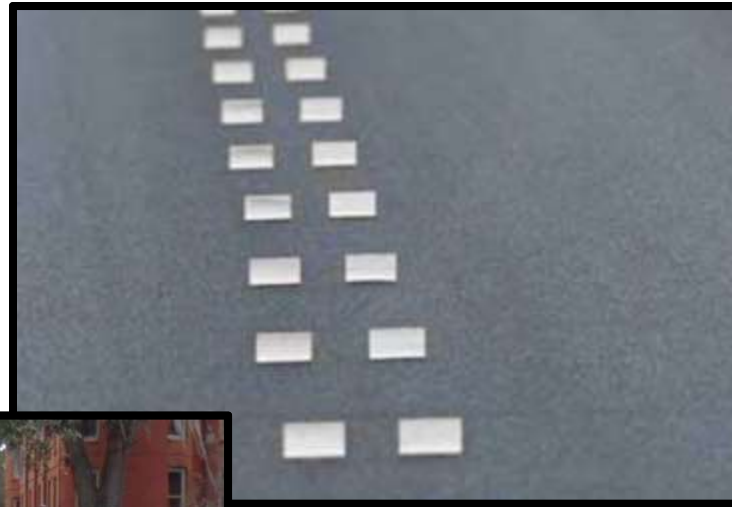
Improvements could also address mature live oaks next to square that have encroached into the street.



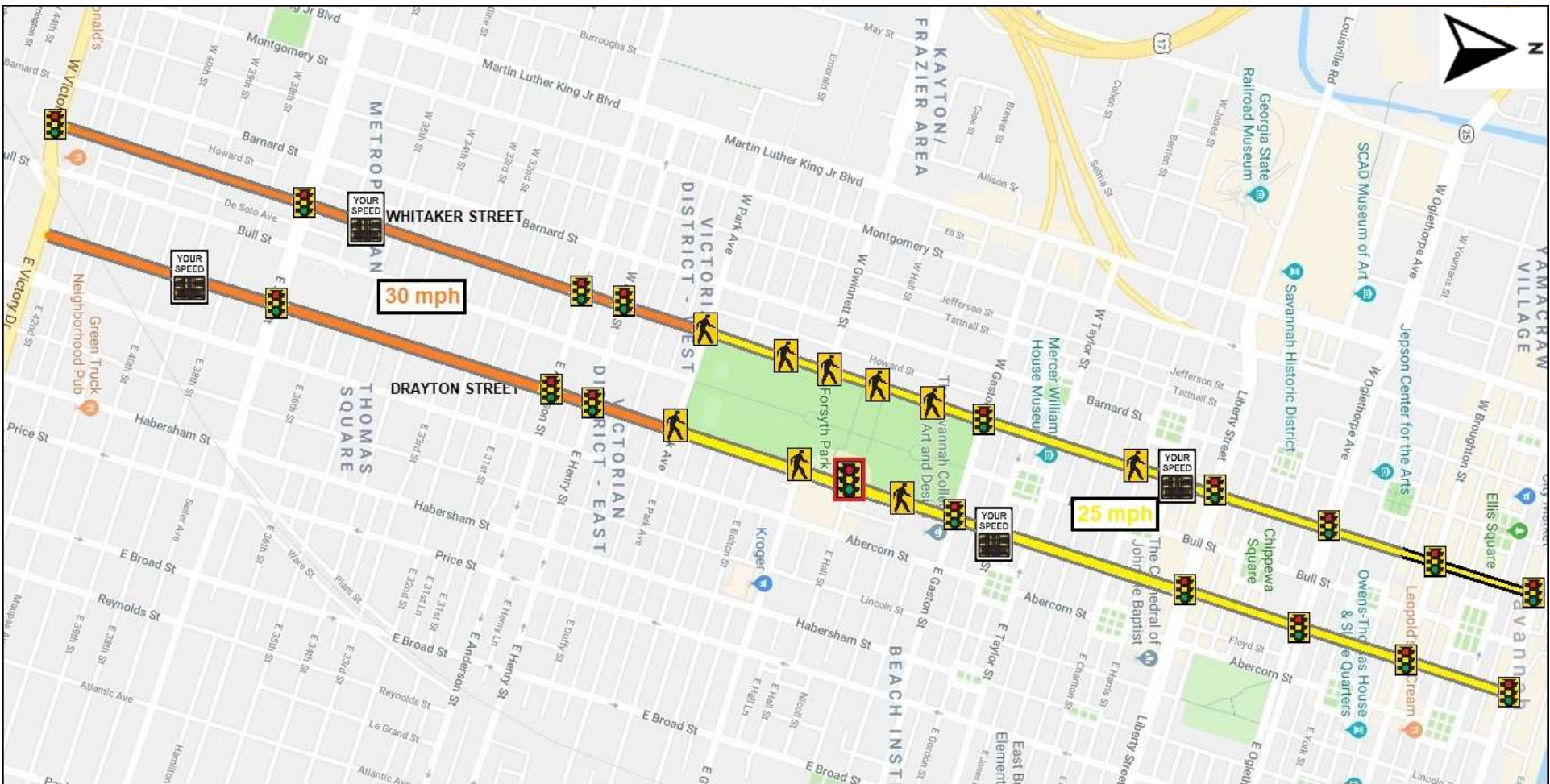
What can be done

Address vehicle lane changing / weaving at park crosswalks

Currently developing pilot project to install raised pavement markers in advance of marked crosswalks boarding Forsyth Park.



What can be done



Drayton and Whitaker Streets

Questions?

