

The meeting will begin shortly.

To help this meeting run as smoothly as possible, please consider the following tips:

- Remain muted at all times, unless you are speaking or asking a question.
- Disconnecting from VPN or third-party security connections may help to increase bandwidth and maintain connectivity.

Video is encouraged, but not required.

This meeting will be recorded and shared with committee members who were unable to attend.

Please take a moment to familiar yourself with the WebEx platform:





Highway 41 Update Stakeholder Working Group

August 12, 2020



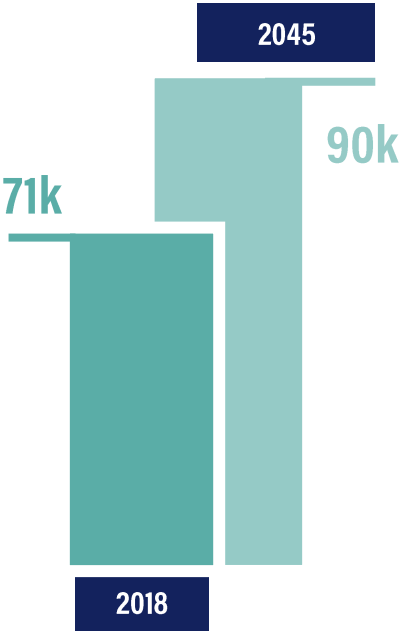
Topics for Discussion

- 1** Provide an update on the status of the project
- 2** Present the Proposed Alternative
- 3** Present the Dunes West/Highway 41 Intersection Design
- 4** Present the Highway 17/ Highway 41 Intersection Design
- 5** Discuss community mitigation
- 6** Review the next steps





Overview of Project Need



Traffic projections for Highway 17 between Long Point Road and Highway 41



Project Status

SCREENING 1

Identify Reasonable Alternatives

Eliminate and advance preliminary alternatives based on:

- Ability to meet purpose/need
- Public input

SCREENING 2

Refine the list of Reasonable Alternatives

Eliminate and advance preliminary alternatives based on:

- Ability to meet purpose/need
- Public input
- Refined traffic analysis.

SCREENING 3

Identify Reasonable Alternatives

Eliminate and advance preliminary alternatives based on:

- Public input
- Environmental Factors
- Cost
- Logistics

WE ARE HERE

SCREENING 4

Identify Proposed Alternative

Identify proposed alternative based on:

- Ability to meet purpose/need
- Public input
- Environmental Factors
- Cost
- Logistics

Proposed Alternative

Widening Existing Highway 41 (Alternative 1)



PROPOSED ALTERNATIVE HIGHLIGHTS



Greatest improved traffic times



Lowest overall project cost



Fewer impacts on Laurel Hill County Park



Fewest impacts on wetlands



Less effects from noise



Features of Alternative 1



MORE LANES ON HIGHWAY 41

Proposed Alternative 1 will consist of two travel lanes in each direction with either a center raised island or two-way left-turn lane from Highway 17 to the Wando River Bridge.



MULTI-USE PATH

A multi-use path for pedestrian and bicycle use will be constructed along the west side of the Highway 41 roadway, connecting with a network of existing and proposed multi-use paths.



PEDESTRIAN CROSSINGS

Pedestrian crossings will be included throughout Highway 41 and signalized crossings will be included at two locations in the Phillips Community.

Features of Alternative 1



PEDESTRIAN SIDEWALKS

A sidewalk will be included along the east side of the Highway 41 roadway and will include pedestrian crossings at signalized intersections to improve pedestrian mobility.



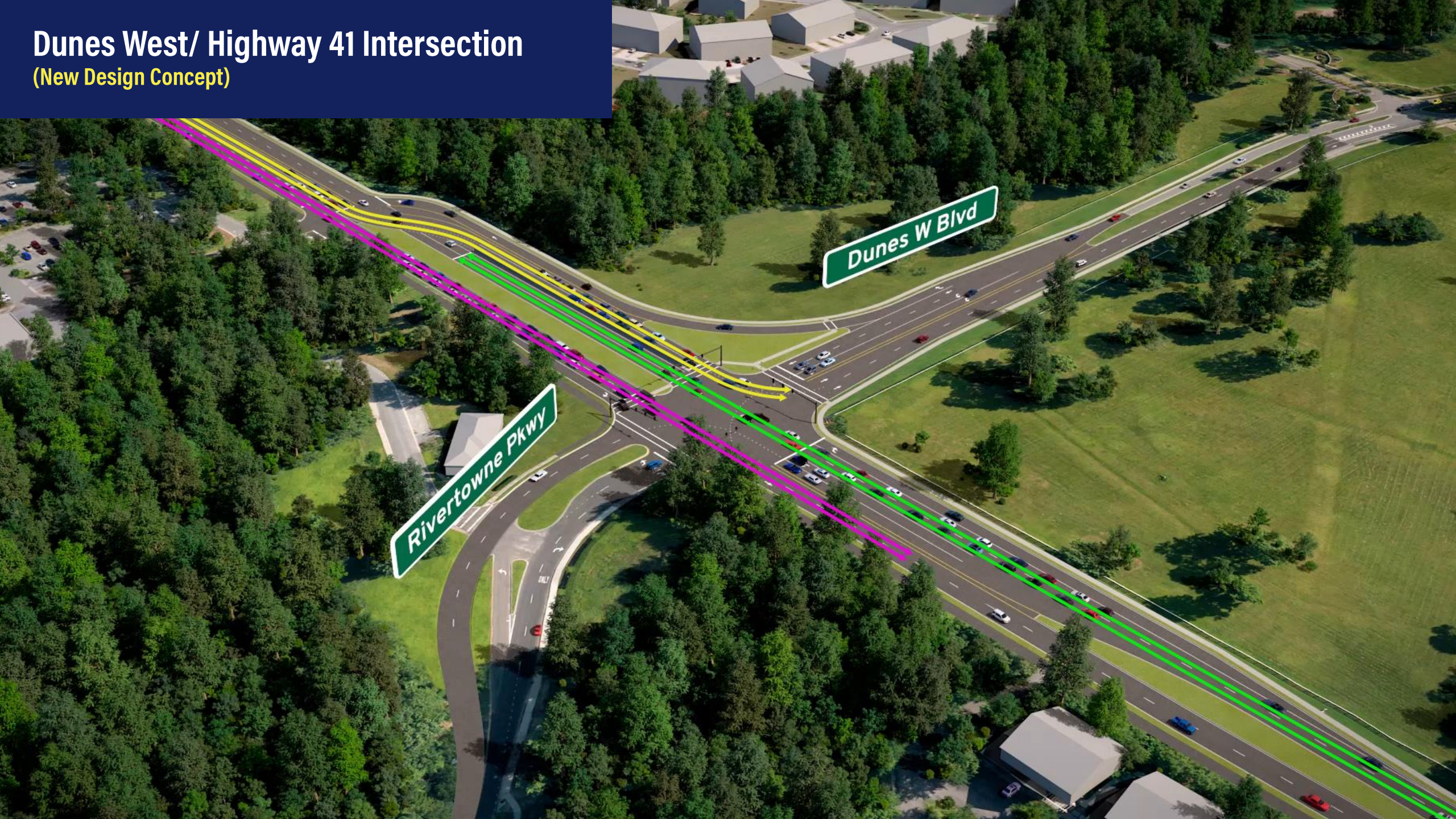
INTERSECTION IMPROVEMENTS ALONG HIGHWAY 41

The Highway 41 and Highway 17 intersection is a critical piece of the regional traffic system. To alleviate congestion and minimize impacts to properties and businesses, the design concept will include enhancements to improve the regional traffic system and provide motorists with alternate routes.



Dunes West/ Highway 41 Intersection

(New Design Concept)





Phillips Community Pedestrian Crosswalks



Highway 41/ 17 – Diverging Diamond Interchange



2045 PM Overall Peak Traffic



2045 PM Peak Traffic



**Winnowing
Way**

Highway 41

**Porchers Bluff
Road**

Old Highway 41

**Dingle
Road**

2045 PM Peak Traffic

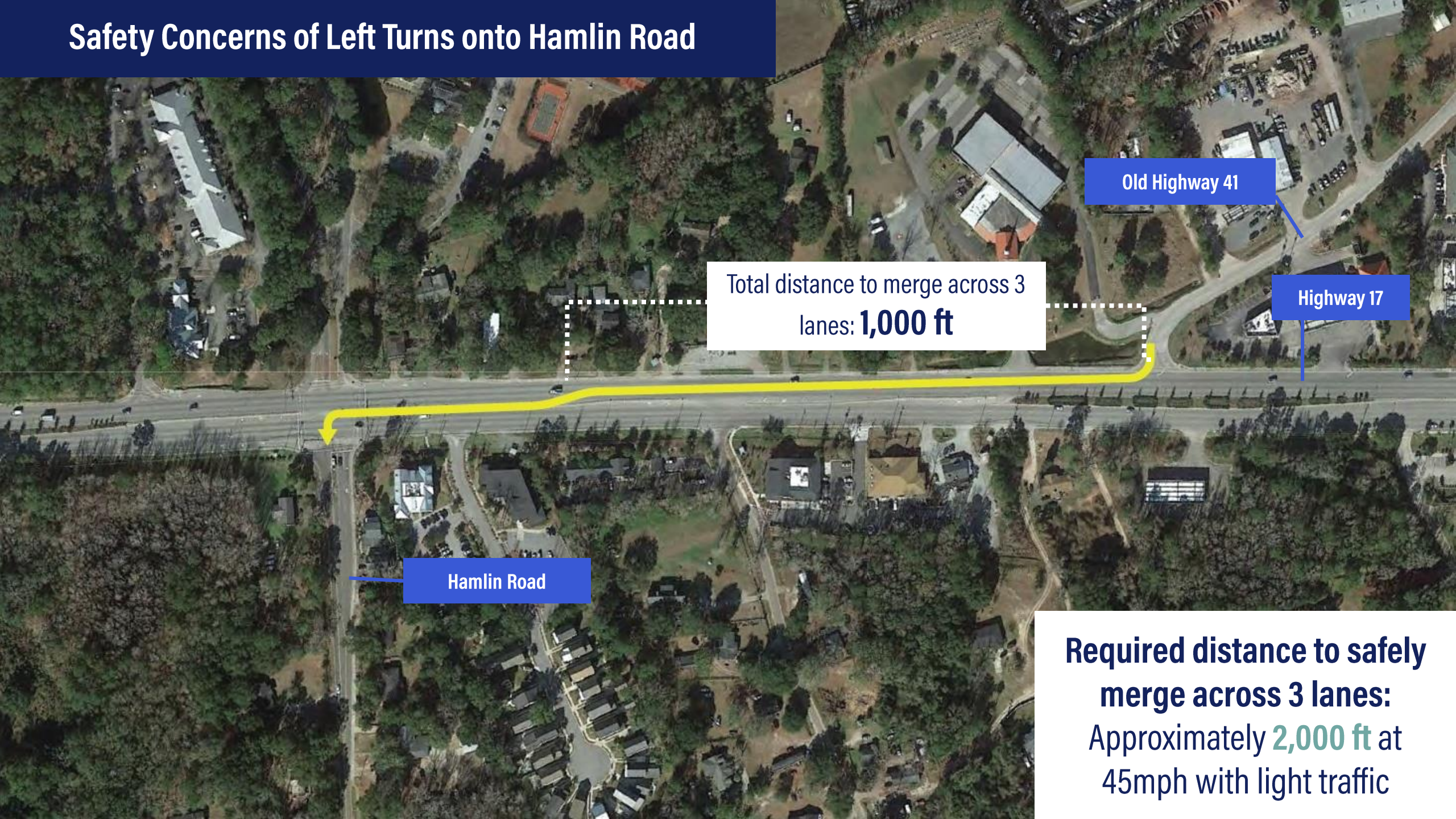
Old Highway 41

Highway 41

Dingle Road



Safety Concerns of Left Turns onto Hamlin Road



Old Highway 41

Highway 17

Total distance to merge across 3
lanes: **1,000 ft**

Hamlin Road

**Required distance to safely
merge across 3 lanes:**
Approximately **2,000 ft** at
45mph with light traffic

Brickyard and Hamlin Intersection Update

(New Design Concept)

To access Hamlin Road from southbound Highway 17, traffic will use a signalized u-turn at Old Georgetown Road

McConnell Lane

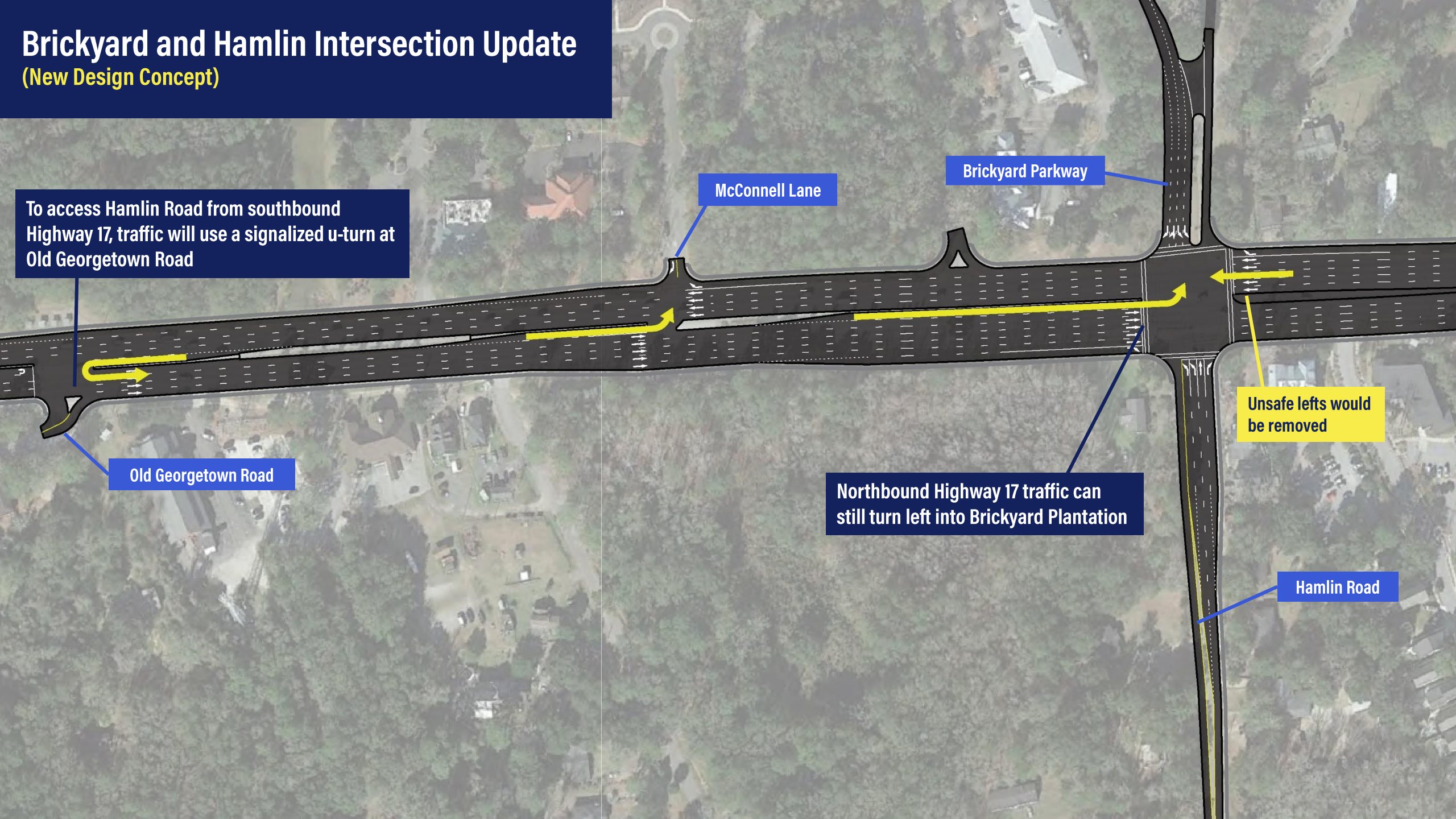
Brickyard Parkway

Unsafe lefts would be removed

Old Georgetown Road

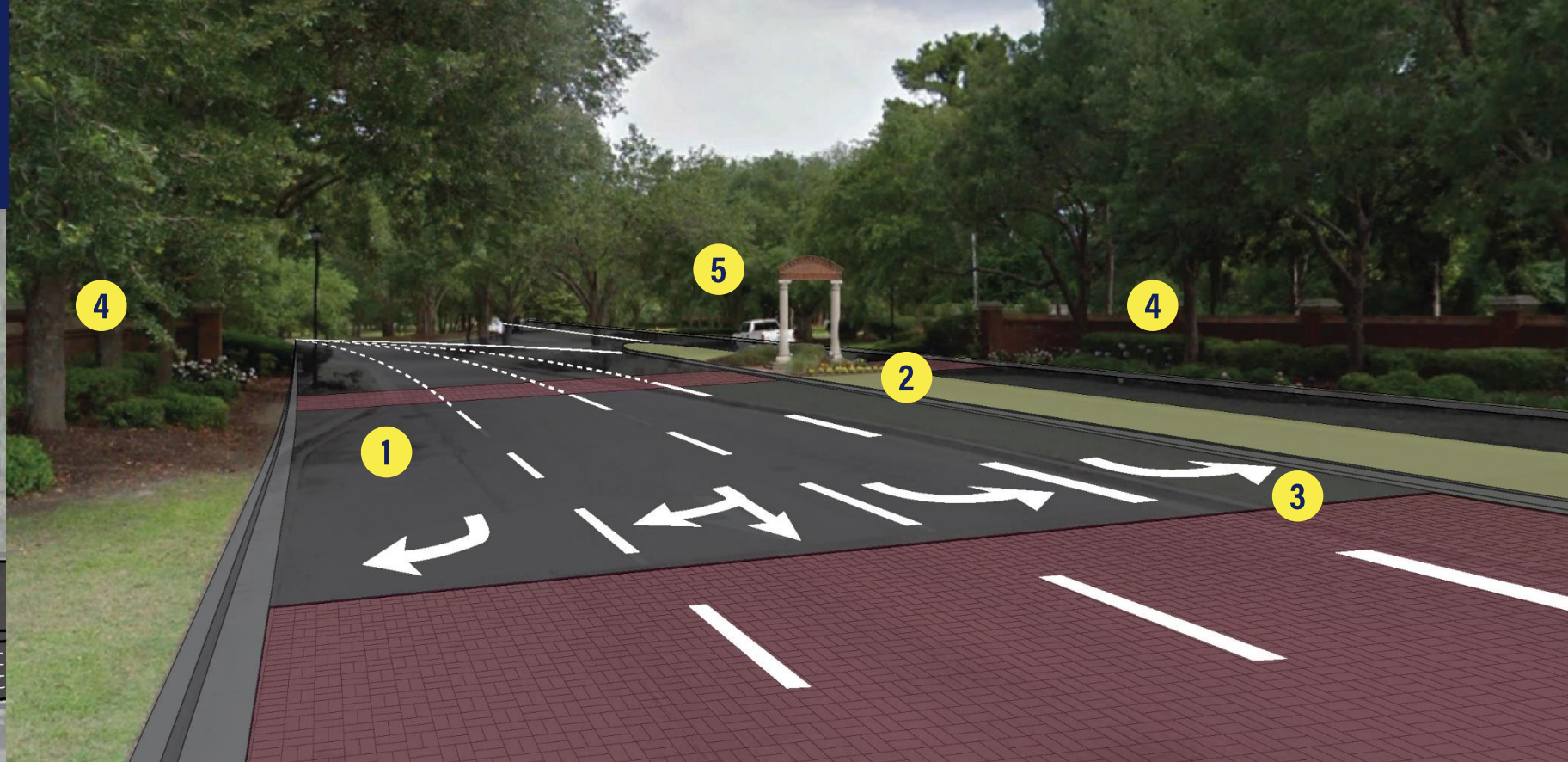
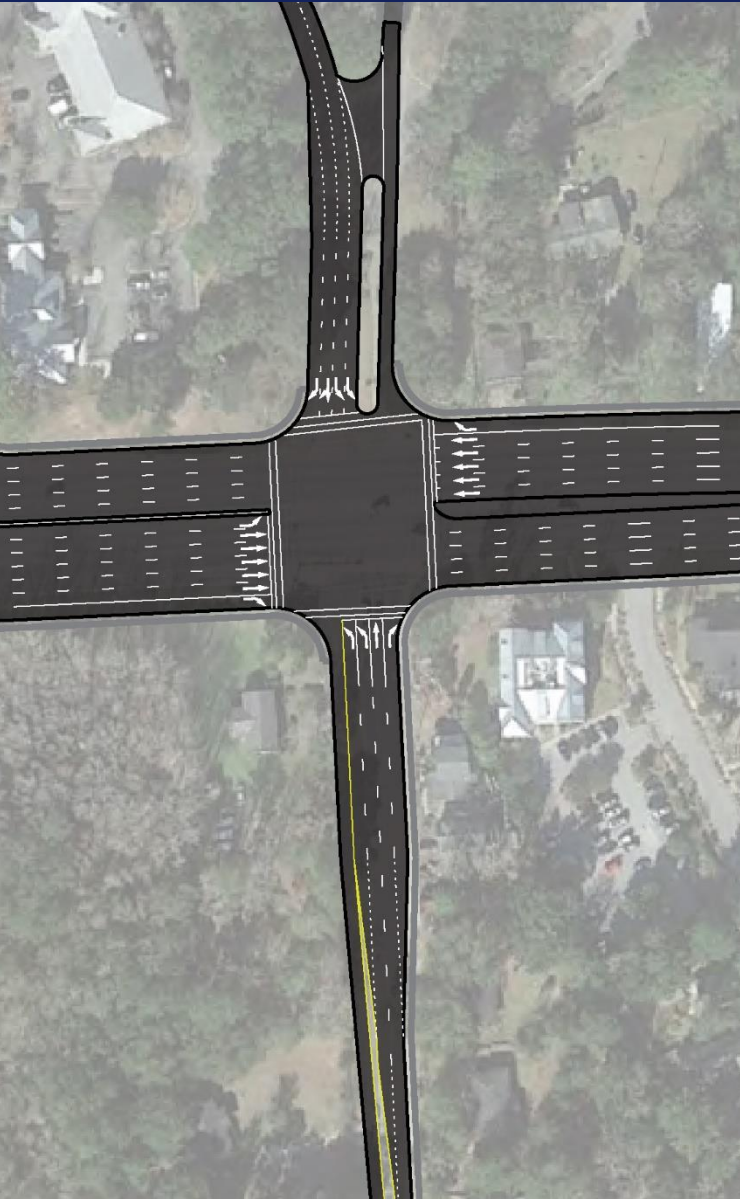
Northbound Highway 17 traffic can still turn left into Brickyard Plantation

Hamlin Road



Brickyard and Hamlin Intersection Update

(New Design Concept)



Proposed Entrance:

- 1 Right turn lane on existing Brickyard Parkway will be extended
- 2 The center median and arch will be relocated
- 3 A second left turn lane will be added and extended
- 4 Brick entrance walls will remain undisturbed
- 5 No change to the amenity center access

2045 AM Peak Traffic

Old Georgetown Road

Brickyard Parkway

Hamlin Road



2045 PM Peak Traffic

Old Georgetown Road

Brickyard Parkway

Hamlin Road



Interim Improvements

Until the project can be constructed, Charleston County and the Town of Mt. Pleasant have partnered to design and permit interim improvements in the corridor, which are expected to begin in Fall 2020 and be completed in early 2021.

- Highway 41 at Joe Rouse Road reconfiguration
- Highway 41 at Highway 17 signal timing and minor construction



Proposed Interim Improvements to Joe Rouse Road and Highway 41





Proposed Interim Improvements to Joe Rouse Road and Highway 41

(A.M. Peak Hour Traffic Flow)

Mitigation

The project team is developing a Community Mitigation Plan to define commitments to adjacent communities and the natural environment.

The project team has been listening to the local communities and has developed an early draft of the Community Mitigation Plan, and portions of the plan will be available for review.

A Community Mitigation Advisory Committee is being established to include stakeholders and community members representing Phillips Community and Seven Mile. The Committee will meet to review and provide input on the Mitigation Plan.



Draft Mitigation Strategies

- Work with impacted property owners to enhance their property
- Assist heirs property owners through the acquisition process
- Develop educational programs on historic communities in the project area
- Support for community events
- Identify, document, and evaluate Gullah African-American Traditional Cultural Properties
- Develop recreation fields and/or community center
- Develop access to Horlbeck Creek
- Add landscaping as buffers on Highway 41
- Enhanced historical and cultural signage
- Improve access to Greater Goodwill AME Church

Schedule



What's Next?

IMMEDIATE NEXT STEPS

Complete the draft environmental report and submit it along with the permit application to the U.S. Army Corps of Engineers, who will review the documents, issue a public notice for the proposed project and hold a comment period.

PUBLIC COMMENT PERIOD

The public comment period is to begin on August 13 and end on September 11, 2020.

HOW WILL CHARLESTON COUNTY WORK WITH IMPACTED LANDOWNERS?

The project team will contact directly impacted landowners on an individual basis. The acquisition process will begin once the ROW plans are approved in 2022.

PROJECT CONSTRUCTION TIMELINE

Currently, project construction is anticipated to begin in 2023 and expected to be complete in 2026. Interim improvements will begin in Fall 2020.

Thank you!

