



Highway 41 The Road to Compromise

August 5, 2021



Purpose and Need

PRIMARY PURPOSE



Reduce congestion within the 41 corridor



Accommodate future traffic projections

SECONDARY PURPOSE



Enhance safety throughout the corridor



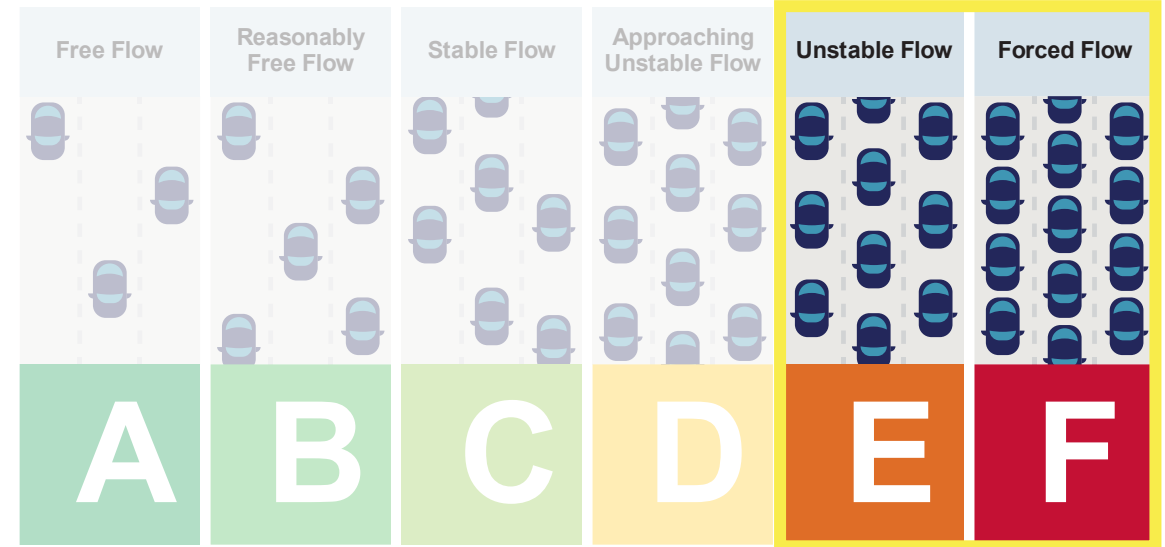
Improve the transportation system and community connections



Provide bicycle and pedestrian accommodations



Minimize community and environmental impacts



Stable Traffic Flow Unstable Traffic Flow

NEPA screening:

- Human and natural environmental factors, including wetlands
- Costs
- Logistics (land availability, timeliness, access)
- Technology
- Public input

Engagement since 2017



6,479

Comments
Received



158

Meetings Held



20+

Alternatives
Evaluated

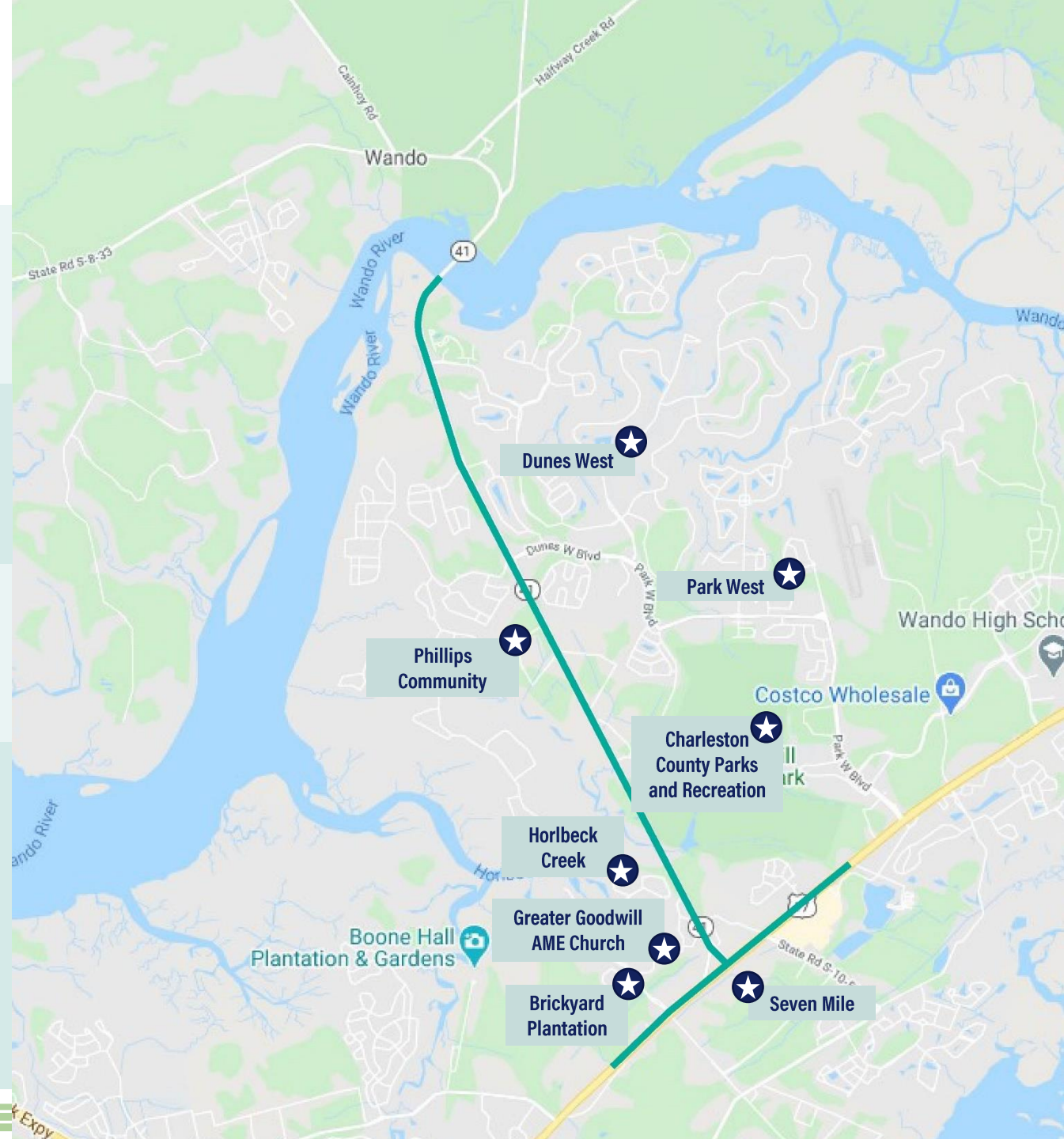


130+

Stakeholders
Involved

Including:

- Stakeholder Working Group
- Coastal Conservation League
- Town of Mt. Pleasant
- Charleston Moves











Hwy. 41 Compromise Highlights






UPDATED DESIGN

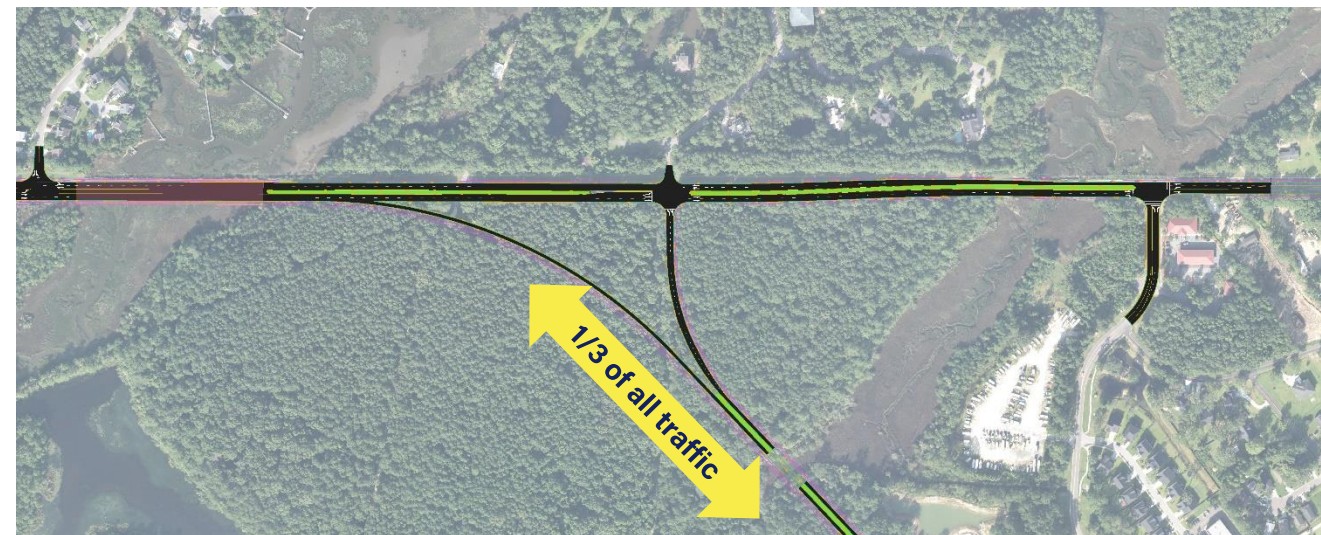


UPDATED CONCEPT HIGHLIGHTS

-  Minimizes impacts to the Phillips Community
-  Updates the 41/17 connection based on community feedback from stakeholders
-  Eliminates property impacts to Seven Mile at the 41/17 connections
-  Provides a 2-lane parkway around Park West and along the edge of Laurel Hill County Park
-  Leaves Dunes West Blvd. mostly as-is
-  Provides a multi-use path connecting 17 to the new path built by Berkeley County's Clements Ferry project
-  Cost Estimate is \$148 million
-  Meets purpose and need for the next 20+/- years; does not meet the full 2045 design year goal

Laurel Hill Parkway - Need

-  The intersection of Joe Rouse Road & SC41 causes major congestion along SC41
-  In 2017, the intersection operated at a failing LOS E
-  Interim improvements that county recently put out to bid will only improve things for a few years
-  To operate at an acceptable LOS, SC41 would require significant widening within the Phillips Community
-  Traffic must be diverted to a new route in order to avoid Phillips Community impacts



Laurel Hill Parkway - Design



-  Requires approx. 22 acres of park land
-  Current alignment is 120-200 feet from homes along Bessemer Rd
-  Construction may impact Native American artifacts that will be mitigated
-  Bessemer Rd will see a dramatic reduction in traffic
-  A new connection to the Parkway from Bessemer Rd will be provided so neighborhoods are not cut off from Dunes West/Park West Boulevards
-  Congestion at Joe Rouse Rd and SC 41 is greatly reduced

CAGE Engagement – Since 2018

2018	2019	2020	2021
<p>Q4:</p> <ul style="list-style-type: none"> CAGE requests that the 17/41 main intersection be relocated to 17/Porcher's Bluff Road to allow traffic on 41 to have a direct path to Billy Swails/lessen impacts on Seven Mile (CAGE Alt. 1) 	<p>Q1:</p> <ul style="list-style-type: none"> Project team begins alternatives evaluation process for the 41/17 intersection CAGE presents CAGE Alt. 1 to Council <p>Q2:</p> <ul style="list-style-type: none"> Project team requests Seven Mile Community boundary to compare records <p>Q3:</p> <ul style="list-style-type: none"> Community Meeting held with CAGE/Seven Mile Proposed design for 17/41 intersection presented to the public CAGE submits to project team CAGE Alt. 2 ("Boone Hall Parallel Road Alternative") Project team requests a meeting with CAGE; CAGE denies unless CAGE Alt. 2 is put forth as the solution 	<ul style="list-style-type: none"> Meetings held with CAGE/coordination with the Town to determine feasibility of CAGE Alt. 2 	<ul style="list-style-type: none"> CAGE presents CAGE Alt. 3 (Laurel Hill alternative) to Council 6 meetings held with CAGE + coordination via phone
<p>CAGE Alt. 1</p> <p>17/41 intersection realignment at Winoing Way/Porcher's Bluff Road</p>	<p>CAGE Alt. 2</p> <p>Boone Hall Road Alternate Route</p>	<p>CAGE Alt. 3</p> <p>41 realignment through Laurel Hill County Park</p>	

Highlights

- 9 comments received (email, letter, phone calls)
- Stakeholder Working Group member
- 3 presentations to Council
- 12 meetings held
- Direct mail sent to residents of Seven Mile (2020, newsletters and comment cards with prepaid postage)
- 3 alternatives evaluated

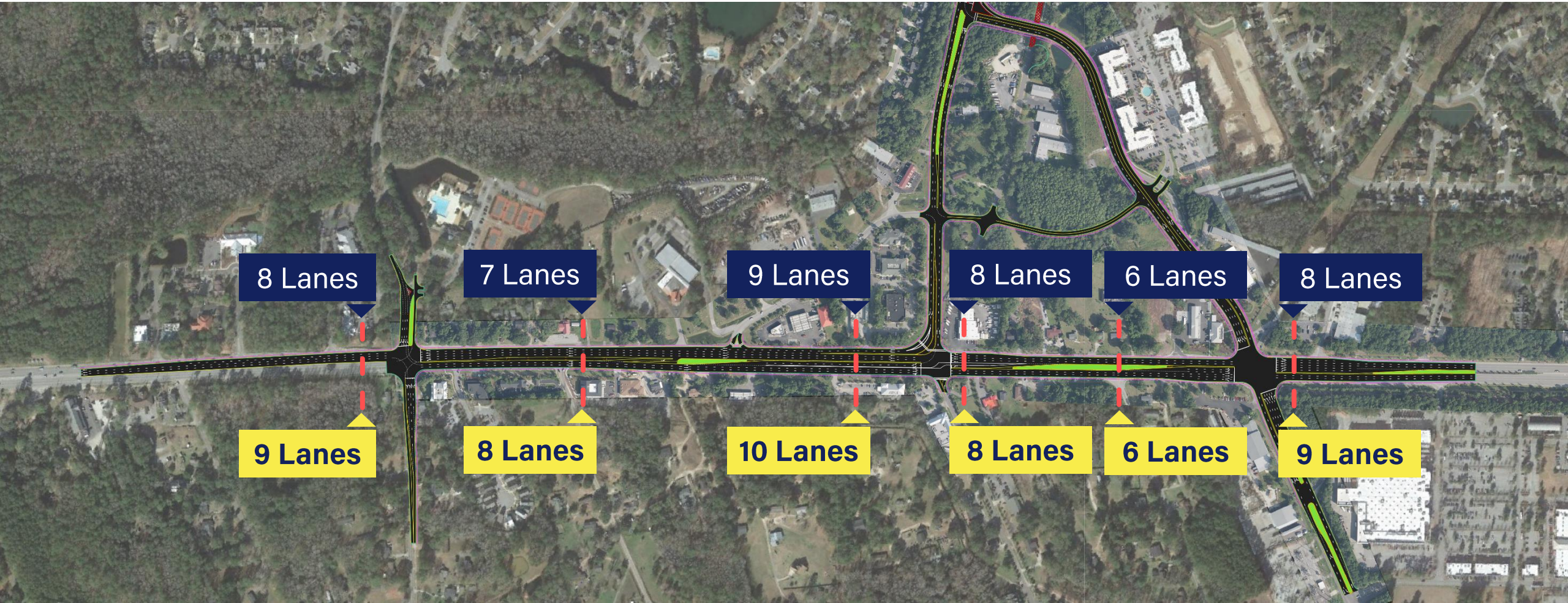
41/17 Proposed - 2020



41/17 Compromise Alternative



Number of Hwy 17 Lanes - Compromise



Existing Compromise

Level of Service

A-C 

D 

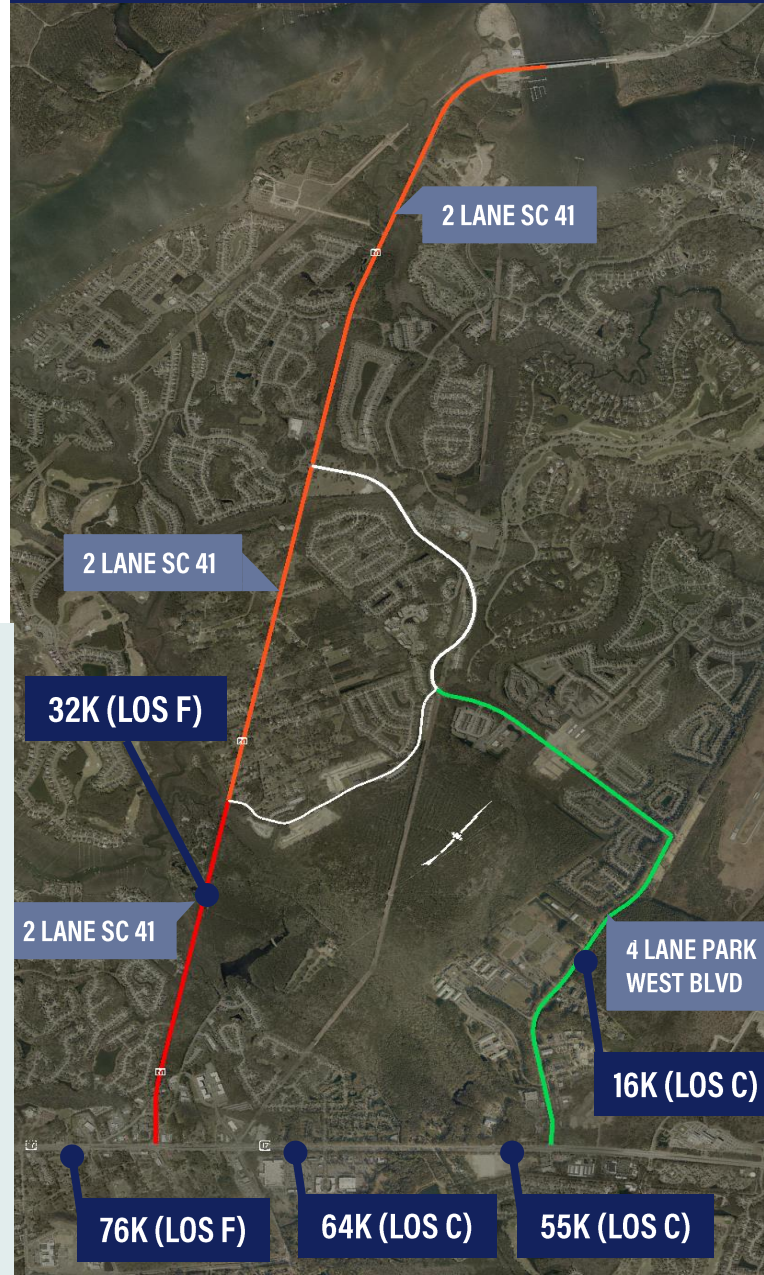
E 

F 

Note: LOS C on map indicates actual LOS is C or better.

- CAGE Alternative 3 does attract trips from both SC 41 and from Park West Blvd.
- Highway 41 experiences a failing LOS F under the CAGE Alternative
- Environmental Impacts caused by widening Billy Swails Blvd through Hamlin, Seven Mile and Oakland may be significant
- Costs and schedule would be significantly impacted

2040 Traffic Volumes - No Build

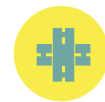


2040 Traffic Volumes - CAGE Alternative 3



Hwy. 41 Compromise – Right-of-Way Impacts

UPDATED DESIGN



Project includes construction along 9 miles of roads, either new location or widened



Zero residential or business relocations



50 acres of right-of-way is required including 22 acres from Laurel Hill County Park



Remaining property is primarily strip takes from commercial property



Limited residential property is required from Seven Mile or Phillips Community residents

Schedule if Compromise Alternative is Authorized by Council



USACE 30-Day Public Notice – **Early 2022**



ROW Plans Approved – **Summer 2023**



Begin Construction – **Early 2025**

Thank You

