

January 2020 Stakeholders Group Meeting

Stakeholder Meeting 4 - Summary





Event Information

Date: Thursday, January 30, 2020

Time: 10:00 AM to 11:30 AM

Location: Sea Island Room

Coastal Discovery Museum at Historic Honey Horn 70 Honey Horn Dr, Hilton Head Island, SC 29926

Facility POC: Robin Swift, Vice President of Marketing and Development

rswift@coastaldiscovery.org

Meeting Goals

Present to the stakeholders and gather feedback on:

- An update on where we are in the process
 - Comments Received
 - Alternatives Workshops Conducted
- A deeper understanding of the traffic analysis
- Share next steps

Attendees

| Person | Organization |
|--------------|--------------|
| Craig Winn | SCDOT |
| Megan Groves | SCDOT |

| Shane Belcher | FHWA |
|----------------------|-----------------------------------|
| Eric Burgess | KCI |
| Phil Leazer | KCI |
| Amy Livingston | CDM Smith |
| Jenny Humphreys | CDM Smith |
| Heather Robbins | 3 Oaks |
| Geni Theriot | 3 Oaks |
| Russell Chandler | 3 Oaks |
| Rob McFee | Beaufort County |
| Nick Akers | Windmill Harbor |
| Mayor Lisa Sulka | LATS |
| Scott Marshall | Town of Bluffton |
| Julie Erickson | Mariners Cove Club |
| Frank Babel | HHI Bike Advisory Committee |
| Luana Graves Sellars | Native Island Leadership |
| Christian Dammel | Lowcountry Council of Governments |
| David Johnson | Town of HHI 278 Gateway |
| | Committee |
| Ray Deal | HHI-Bluffton Chamber of |
| nay Dear | Commerce |
| Peter Kenneweg | Crazy Crab Restaurant |
| Charles Cousins | Town of Hilton Head Island |
| Mary Lou Franzoni | Palmetto Breeze |
| Rikki Parker | SC Coastal Conservation League |
| Juliana Smith | SC Coastal Conservation League |

Agenda Items

- Team introductions Amy then Craig
- Presentation Craig
 - Update on Project
 - Where We Are in the Process
 - The project team has presented at a number of community and neighborhood events, such as the Bluffton Seafood and Arts Festival, Daufuskie Island Council, Indigo Run neighborhood meeting and others.
 - The project team is beginning to ramp up the noise evaluation.
 - The cost analysis is ongoing for each of the alternatives.
 - Comments Received
 - 340 Comments were received as part of the formal comment period in the fall. Craig provided a review of the public comments received.
 - As a result of the comments from the public and agencies, the project team conducted an alternatives refinement workshop. A few results include the project team exploring an underpass which would create better neighborhood connections under US 278 as well

as looking to shift those alternatives using the utility right of way out of the direct line to avoid power line relocations.

- Traffic Analysis
 - An explanation of the traffic analysis done to-date was provided as well as an explanation of the more detailed traffic analysis currently underway and what would be done for the preferred alternative.
- Project Next Steps & Questions Members were asked if they had any questions or what they'd like to see in future presentations
 - The project team will be hosting community walk alongs with potentially impacted citizens.
 - Public Hearing will be scheduled for late 2020.

Q: We were understanding that a preferred alternative will be announced in the fall. Will it not?

A: The preferred alternative will be announced in the fall. However, there will be comments on that and potentially further refinements. Leading up to that, we will begin releasing data as it is finalized. For example, once the traffic memo is complete and approved, it will be released to the public.

Comment: When going onto the next steps, the biking community would be happy to sit down with the team to help assess or provide input as it relates to connecting to any bike paths.

Q: Is any consideration of future impacts to sea-level rise given? The Town of Hilton Head Island is addressing that in their Comprehensive Plan. Is that considered at any point?

A: These considerations will be discussed at the Preferred Alternative stage. FHWA has done some great studies on some natural barriers. Additionally, the hydrology analysis, which is forthcoming, will help us to better design for sea-level rise.

Q: When you respond with the wetland delineation and resources, that's when the federal agencies will decide if the project should be an EIS instead of an EA?

A: FHWA can elevate to an EIS at any point if warranted by impacts. FHWA has a good track record of understanding how to mitigate EAs to keep them down to non-significant impacts. When this project started, FHWA advised the project team to conduct the project with the appropriate coordination points for an EIS so the project would not have to go backwards if it were determined that an EIS was warranted. However, at this time, FHWA has seen all the draft numbers and potential impacts and is not expecting an elevation at this point. However, that is yet to be determined.

Comment: From a tourism perspective, the aesthetics of the bridge are very important just as the functionality. Reversible lanes would be a bad idea.

Q: Will we see some of the costs of the alternatives before the preferred?

A: We will start publishing some of that information on the website, social media and newsletters ahead of the public hearing. We are committed to an open dialogue on this project ad do not want to go nine months without sharing.

278 CORRIDOR IMPROVEMENTS | 2020 JANUARY STAKEHOLDER MEETING SUMMARY

Q: In the event that the safety project (Jenkins Island Improvements) does not pass council, what are the short-term alternatives to those in the adjacent neighborhoods.

A: From SCDOT's perspective, there are no short-term projects. Whether the Jenkins Island project moves forward or not is a Beaufort County decision. For the SCDOT US 278 Corridor Improvements project, we are assuming we can use the pavement width on Jenkins Island. However, there are additional things we are already looking at just in case. For instance, we will reach out to Windmill Harbour to discuss using the back gate or potentially using the second entrance that is platted at Jenkins Road. SCDOT would prefer using the back gate because we would not be adding additional traffic onto US 278 and could keep the main entrance as a right inright out only entrance.

Q: You mentioned an underpass; is it possible to phase some of this work so that the underpass is done first?

A: The ability to phase the underpass first will somewhat be dependent on which alternative is chosen since some of the alternatives would require a temporary connection to Mariner's Cove.

Q: Any idea yet regarding turning into and out of the Crazy Crab?

A: That is yet to be determined. However, we will analyze each driveway to see if there is a safety issue allowing a left turn in or out.

SCDOT STAKEHOLDER MEETING SIGN-IN SHEET



Thursday, January 30, 2020

US 278 CORRIDOR IMPROVEMENTS Moss Creek Drive to Spanish Wells Road BEAUFORT COUNTY



| NAME (please print) | ORGANIZATION (please print) |
|---|---|
| Christian Dammel David Johnson Ray Deal Peter Kenneweg harles Cousins Ary Los Franzoni Rikki Parker Miara Smith | Journally council of Governments 278 GATZWAY CORRIDSON COMMITTEE Hilton Head Island Bluffon Charles of Comment Crazy Crab Restaurant Town of HHI PAlmetto BREEZE SC Coastal Conservation Ladgre SC Coastal Conservation Ladgre |
| | |

SCDOT STAKEHOLDER MEETING SIGN-IN SHEET



Thursday, January 30, 2020

US 278 CORRIDOR IMPROVEMENTS Moss Creek Drive to Spanish Wells Road BEAUFORT COUNTY



| NAME (please print) ERK GURGERS INICK AKERS Lisa Sulka Satt Mashall Aulie Euksyon Eranz BABR CRAIG WINN | ORGANIZATION (please print) KCI TECHNOCOGIES BH. Co, WINDHILL HARBOUR LATS 16WN OF BLUFFTON THE BIKE ADVISORY COMMITTEE Native Island Leadership SCDOI |
|--|--|
| | |

US 278 Corridor Improvements

Stakeholder Meeting January 30, 2020

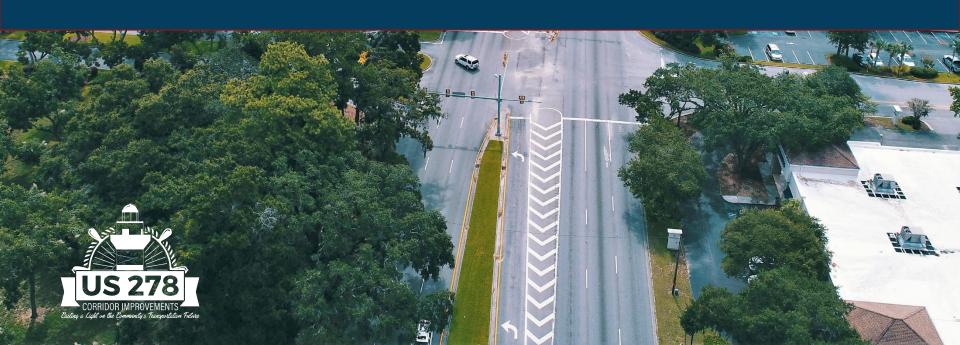








Project Management



Purpose & Need

The purpose of this project is to address structural deficiencies at the existing eastbound Mackay Creek bridge, as well as increase capacity and reduce congestion along US 278 from Moss Creek Drive to Spanish Wells Road.



Structural Deficiencies



Capacity



Congestion













WE

ARE

HERE



Analyze Alternatives

and select preferred alternative that balances transportation benefits while minimizing impacts



Public Hearing*

Seek input on Preferred Alternative and Proposed Right of Way Impacts



Refine Alternative

Address public concerns and minimize impact



Finalize methods

to mitigate community and environmental impacts



This graphic demonstrates the general project development process for planning and building highways.



If Design Build Project **Delivery** is selected: Award Project to contractor



Finalize Environmental Document and secure NEPA





Final Design, ROW, and **Environmental Permitting**



Right of Way (ROW)

Preliminary contact with landowner and occupants by ROW agent for properties requiring new ROW acquisition



Real Estate Appraisal

of properties requiring new rights of way



ROW Agent makes a written offer and provides **Relocation Benefits Package to Displacees**



Relocation **Assistance**



Negotiations and Settlement



Project Construction

- If Design Build delivery construction activities can overlap with ROW & Final Design.
 - If traditional Design-Bid-Build, construction will not begin until ROW & Final Design is complete.

Public Information Meeting 2 Summary



The second Public Information Meeting for the US 278 Corridor Improvements Project was held on Thursday September 19, 2019 from 5-7 PM at the Boys & Girls Club of Hilton Head Island.

330 **Total Attendees**

> 5,979 Web Visitors

Response Type

Written Comment Forms



62

Website Comments



247

Emailed Comments & Letters



31

340 Total Comments

What We Heard

In Favor of Bike **Ped or Transit**



In Favor of Additional **Access Point**

In Favor of **Reversing Traffic**



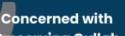
Concerned with **Noise Impacts**



Concerned with Preserving the **Natural Environment**



Against Widening



Preserving Gullah Heritage



Where We Have Been



Public &
Agency
Comments
Review





Alternatives Refinement





Where We Have Been Community Engagement





Democratic Club (South of the Broad)

Indigo Run

Bluffton Chamber of Commerce

Mariners Cove

Hilton Head Island Gateway Committee Hilton Head Island Chamber of Commerce









Traffic Engineering



Planning-Level

For Environmental Analysis & Development of Alternatives

- Purpose and Need
- Development of Alternatives
- Evaluation of Alternatives
- Concept Plans for Recommended Preferred Alternative

Engineering-Level

For Final Design of the Recommended Preferred Alternative

- Mainline Capacity
- Intersection Design
- Access Management
- Traffic Operations and Signalization
- Wayfinding







Data Collection



Existing Geometry

- Segment number of lanes
- Intersection configuration & traffic control
- Posted speed limits



INRIX Speed Data

Historical AADT from SCDOT

5-Year Crash History

Existing Signal Timings









Data Collection



Existing Geometry



Traffic Volumes

- Over 24-hour period (Segments)
- Peak Periods: AM, Mid-day, PM (intersections)





5-Year Crash History

Existing Signal Timings









Data Collection

Existing Geometry

Traffic Volumes





INRIX Speed Data

SCDOT Historical AADT

5-Year Crash History

Existing Signal Timings

AM

OBSERVED SPEED

30-35

Eastbound

PM

OBSERVED SPEED

35-45

Both Directions







Data Collection

Existing Geometry

Traffic Volumes

INRIX Speed Data

SCDOT Historical Average Annual Daily Traffic (AADT)

5-Year Crash History

Existing Signal Timings







Data Collection

Existing Geometry

Traffic Volumes

INRIX Speed Data

SCDOT Historical AADT

5-Year Crash History

Existing Signal Timings









Data Collection

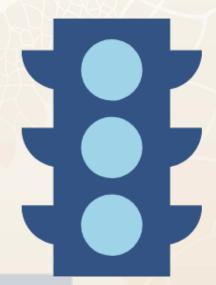
Existing Geometry

Traffic Volumes

INRIX Speed Data

SCDOT Historical AADT

5-Year Crash History











Existing Traffic Analysis

Software

- Analysis is based on Highway Capacity Manual (Industry Guidelines)
- Segment Analysis HCS7
- Intersection Analysis Synchro10

Design Volume

 Design Hour Standard Practice: establish highway design volumes based on an hour between the 30th and 100th highest hour of the year

American Association of State Highway and Transportation Officials (AASHTO)







Mainline Volume Analysis

Will a Reversible Lane Work?

AM Peak:

- 4,150 eastbound: Need 3 eastbound lanes to maintain LOS D
- 2,120 westbound: Need 2 westbound lanes to maintain LOS C

PM Peak:

- 4,390 westbound: Need 3 westbound lanes to maintain LOS D
- 3,080 eastbound: Need 2 eastbound lanes to maintain LOS D







Levels of Service

FREE FLOW

Low volumes and no delays.

STABLE FLOW

Speeds restricted by travel conditions, minor delays.



STABLE FLOW

Speeds and maneuverability closely controlled because of higher volumes.





STABLE FLOW

Speeds considerably affected by change in operation conditions. High density traffic restricts maneuverability; volume near capacity.





UNSTABLE FLOW

Low speeds; considerable delay; volume at or slightly over capacity.





FORCED FLOW

Very low speeds; volumes exceed capacity; long delays with stop-and-go traffic.







Define Level of Service (Mainline)





Traffic Signal Level of Service

- A
- Highly stable, free-flow condition with little or no congestion
- No vehicle waits longer than one signal indication
- Delay: <10 seconds/vehicle



- Stable, free-flow condition with little congestion
- On rare occasions vehicles wait through more than one signal indication
- Delay: 10 to 20 seconds/vehicle



- Free-flow conditions with moderate congestion
- Intermittently vehicles wait through more than one signal indication and occasional backups may develop
- Delay: 20 to 35 seconds/vehicle



- Approaching unstable condition with increasing congestion but without excessive backups
- Level of service D has historically been regarded as a desirable design in urban areas
- Delay: 35 to 55 seconds/vehicle



- Unstable, congested condition
- Very long queues may create lengthy delays
- Delay: 55 to 80 seconds/vehicle



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- Stop and go
- Backups from locations downstream restrict or prevent movement of vehicles out of approach creating "gridlock" condition
- Delay >80 seconds/unicle



Define Level of Service (Intersection)





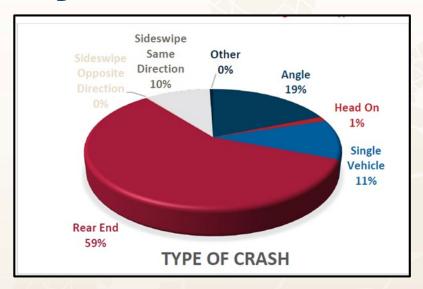
Safety Analysis

How do we analyze crashes?

- Total Number of Crashes
- Types of Crashes
 - Angle, Head On, Single Vehicle, Rear End, Sideswipe



- Property Damage Only, Injury, Fatality
- Crashes During the Peak Hours
- Location or Clustering of Crashes
- Prolyement with Pedestrians or Bicyclists









Alternatives Analysis

6 Reasonable Alternatives each consisting of the following:

- Between Moss Creek Drive and Salt Marsh Drive
 - No widening
 - 10-foot paved multiuse path on south side of US 278
 - 5-foot sidewalk on north side of US 278 (optional)
- Multiuse path located on south side from Moss Creek Drive to Blue Heron Point Road and on north side from Blue Heron Point Road to Wild Horse Road/Spanish Wells Road
- Jenkins Island Superstreet is assumed
- Eastbound bridge over Mackay Creek will be replaced
- Access to Pinckney Wildlife Refuge will be right-in/right-out









Next Steps



Traffic Next Steps...

- Input from Public Meetings and Comments
- Refinement of Alternatives operational and design modifications
- Incorporate Wayfinding
- Final design of "Recommended Preferred" alternative
- Begin refining roadway design to optimize traffic flow for the mainline as well as intersections







Project Next Steps...

- Refinement of alternatives
- Meeting with potentially impacted community members individually
- Continuation of traffic analysis
 - Look at intersection improvements to maximize efficiency
- Continuation of impacts analysis:
 - Delineated Wetlands, Threatened & Endangered Species, Shellfish Harvesting Waters, Essential Fish Habitat, etc.
 - Noise impacts
 - Historical & Cultural Resources
- Cost Analysis
- Public Hearing (Late 2020)







Contact



www.SCDOT278Corridor.com



info@SCDOT278Corridor.com



Facebook.com/SCDOT278Corridor



@SCDOT278Corridor



Craig Winn, PE, CFM

Project Manager

SCDOT









May 28, 2020 Stakeholders Group Meeting

Stakeholder Meeting 5 - Summary

Event Information

Date: May 28, 2020

Time: 10:00 AM to 11:30 AM

Location: Virtual Meeting via Adobe Connect

Meeting Goals

Present to the stakeholders and gather feedback on:

- What are the 3 new alternatives (4A, 5A, 6A) and why were they created
- Initial Intersection Improvements analysis full concepts and the current preferred concepts

Attendees

| Person | Organization |
|------------------|----------------------|
| Craig Winn | SCDOT |
| Megan Groves | SCDOT |
| Nicole Riddle | SCDOT |
| Shane Belcher | FHWA |
| Eric Burgess | KCI |
| Phil Leazer | KCI |
| Amy Livingston | CDM Smith |
| Jenny Humphreys | CDM Smith |
| Hisham Abdelaziz | CDM Smith |
| Victoria Wornom | CDM Smith |
| Melissa Santley | CDM Smith (Observer) |
| Heather Robbins | 3 Oaks |
| Geni Theriot | 3 Oaks |
| Deja Jackson | Beaufort County |
| David Wilhelm | Beaufort County |
| Nick Akers | Windmill Harbor |
| Mayor Lisa Sulka | LATS |
| Scott Marshall | Town of Bluffton |
| Alan Seifert | Town of Bluffton |
| Julie Erickson | Mariners Cove Club |

| Frank Babel | HHI Bike Advisory Committee |
|-----------------------|-------------------------------------|
| Belinda Stewart Young | Resident of Stoney Community |
| Luana Graves Sellars | Native Island Leadership |
| Christian Dammel | Lowcountry Council of Governments |
| David Johnson | Town of HHI 278 Gateway Committee |
| Bill Miles | Hilton Head Island – Bluffton |
| | Chamber of Commerce |
| Courtney Kenneweg | Crazy Crab Restaurant |
| Charles Cousins | Town of Hilton Head Island |
| Mary Lou Franzoni | Palmetto Breeze |
| Meg James | Home Builders Association of Hilton |
| | Head |
| Juliana Smith | SC Coastal Conservation League |

Meeting Highlights

- Began meeting with an overview of the software platform and how the meeting would be moderated. Ensured stakeholders understood the tools and process.
- Introduced the Team that was on the line and pointed everyone to the participants list. (No one called in only, everyone was logged into the Adobe Connect software.)
- Presentation Craig Winn gave a presentation on the following items:
 - Update on Project
 - Where We Are in the Process
 - What are and What is the purpose of 3 new alternatives (4A, 5A, 6A)
 - A deep dive into the intersection analysis along US 278 specifically at the intersections with the Squire Pope Road, Old Wild Horse Road and Spanish Wells/Wild Horse Road
- Question & Answer
 - Stakeholders typed questions into the chat box during the presentation. These questions
 were read aloud between each segment in the presentation. First, Craig answered those
 questions. Then, stakeholders with their hands raised were called on to ask their questions.
 Following this, the floor was opened to anyone.

Questions and Comments Received

- Can you expound on the Jenkins Island Access to Westbound US 278 from Windmill Harbour?
 - A more detailed map was displayed.
 - Will there be a greater level of detail on this at the next stakeholder meeting?
 - That is our next steps of where we are going. Right now, they are setup as right
 in/out and evaluating gateway drive as a full intersection in 4A 6A and the impacts
 of providing connection between Mariner's Cove, Windmill Harbour
 - Would something like this require a grade-level separation?
 - We're evaluating how do we make that, what does that do to the safety, etc.
 - ◆ Could be evaluated with full signalization
- Would like a more individualized construction cost estimate for each of the alternatives

- This is the next step of alternative and will be provided at the next step.
- It looks like 4A has risen to the top, is there any reason to think otherwise?
- Can you speak to access for the Crazy Crab or the Stewart Property?
 - If there is a median through that area, there would be a turn lane in the vicinity of the Crazy
 Crab and Stewarts in that area. However, we have not yet gotten specifically to that area
 yet.
- Will you be showing post construction and intermediate levels of service aside from the LOS in 2045? Will you show at all the degradation, when the project is finished through 2045?
 - Yes. We will see the open year traffic and do an interim analysis to see what it does year 10 and year 20. That is likely something we would show at the public hearing late this year.
- What are next steps with general public and Corridor committee and Town.

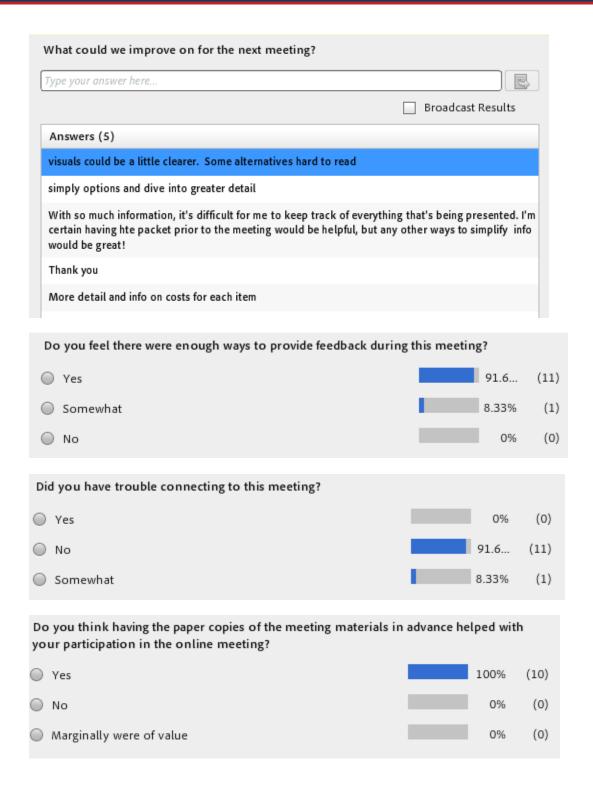
The next stakeholder meeting will likely be in the August time frame. Currently, I'm not sure exactly the details or topics of that meeting. It could be that we provide more details and report back on intersections or changes or modifications as we modify the corridor.

- Do you want to talk about why it wasn't brought forward in more detail to do a direct connection to the Cross Island?
 - We had better alternatives that did not have as much impacts from visual, to traffic performance, of the alts we looked at it was the most expensive and borderline D or E intersection - didn't provide the level of performance we should
- Concerns about traffic being diverted to Gumtree Road.

Participant Feedback on Meeting

US 278 Stakeholder Meeting – Polling Questions and answers.

| What did you like most about today's meeting format? | |
|--|---------------------|
| Type your answer here | |
| | ☐ Broadcast Results |
| Answers (6) | |
| Presenters were well prepared and feedback was acknowledged. | |
| Good for virtual meeting | |
| easy to interact | |
| Easy to ask questions across multiple formats. | |
| Thank you | |
| Well organized and structured | |



Meeting Preparation

An extensive schedule of notification and instructions were provided to stakeholders to ensure a successful meeting.

| Date | Item |
|-------------------|---|
| Upon Setting Date | Sent out email to stakeholders confirming the date (formal invitation to |
| | follow); confirm it will be a virtual meeting, and ask if they have any |
| | concerns/let them know a practice session for logging-in to Adobe Connect |
| | will happen ahead of the meeting |
| | Sent formal meeting invitation in the mail to all participants alerting them to |
| 5/19/2020 | the platform, that a formal printed packet will come with the presentation |
| | ahead of the meeting and where they can download online ahead of the |
| | meeting (and on which date), ask if they have any concerns with platform |
| 5/20/2020 | Practiced Adobe Connect/Presentation with project team and recorded the |
| | presentation as a back-up |
| 5/22/2020 | Mailed packet to stakeholders using mail tracking (PowerPoint, Log-in and |
| | Engagement Tools Instructions, Contact Information) |
| 5/26/2020 | Hosted login practice session for stakeholders to go through platform |
| | functions to ensure they understand how to use it and to engage (Stakeholder |
| | participants included Frank Babel, Nick Ackers, and Charles Cousins) |
| 5/26/2020 | Stakeholder Meeting Dry - Run |
| 5/28/2020 | Stakeholder Meeting; Collected Meeting Feedback in meeting poll |

US 278 Corridor Improvements

US 278 Corridor Improvements Stakeholder Meeting #5
May 28, 2020









Project Management



Purpose & Need

The purpose of this project is to address structural deficiencies at the existing eastbound Mackay Creek bridge, and reduce congestion along US 278 from Moss Creek Drive to Spanish Wells Road.













Start the Environmental Assessment

Public Information Meeting

Perform Technical Studies 2

Develop Alternatives (3)

Analyze Alternatives

Second Public Information Meeting 5

Develop Preferred Alternative 6

Prepare Environmental Assessment 7

Public Hearing (8

Revise Alternative 9

FHWA Decision (1



Alternatives Update







Reasonable Alternatives



US 278 Reasonable Alternatives

All reasonable alternatives meet the purpose & need of the project and result in impacts on Pickney Island National Wildlife Refuge, Floodplains, Threatened & Endangered Species, Essential Fish Habitat, Shellfish Harvesting Waters, Environmental Justice communities, and Cultural Resources.

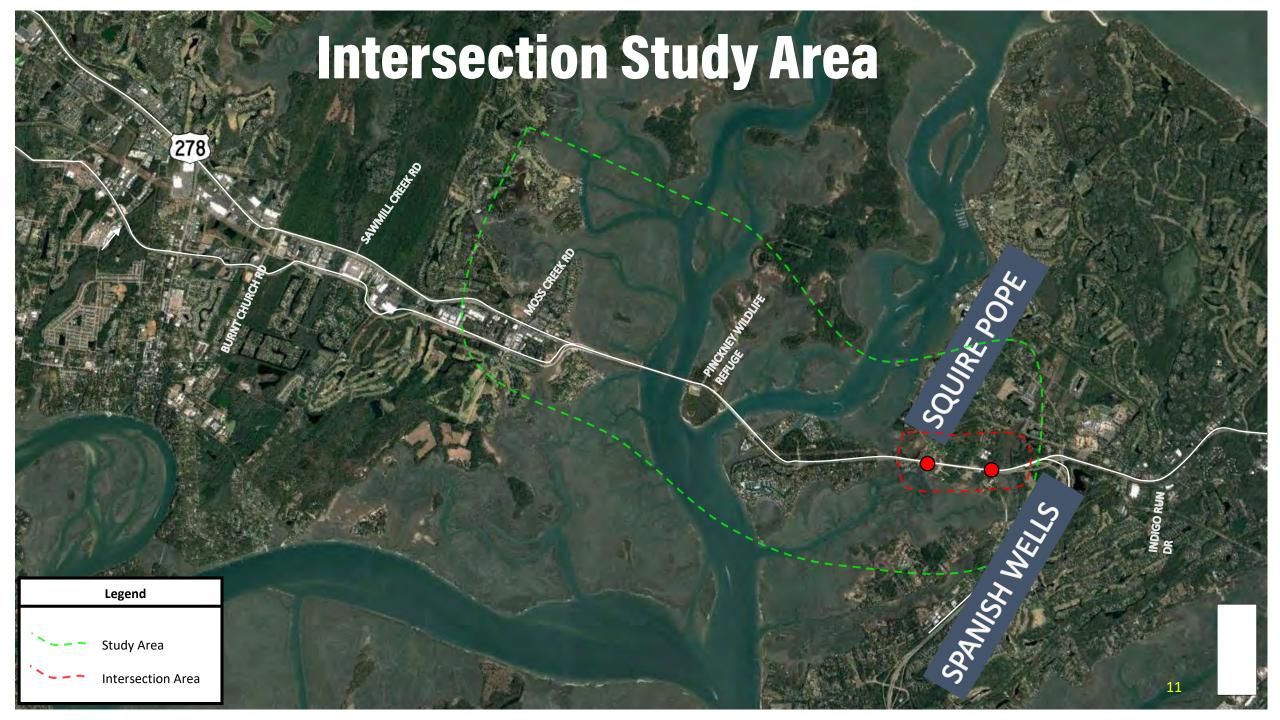


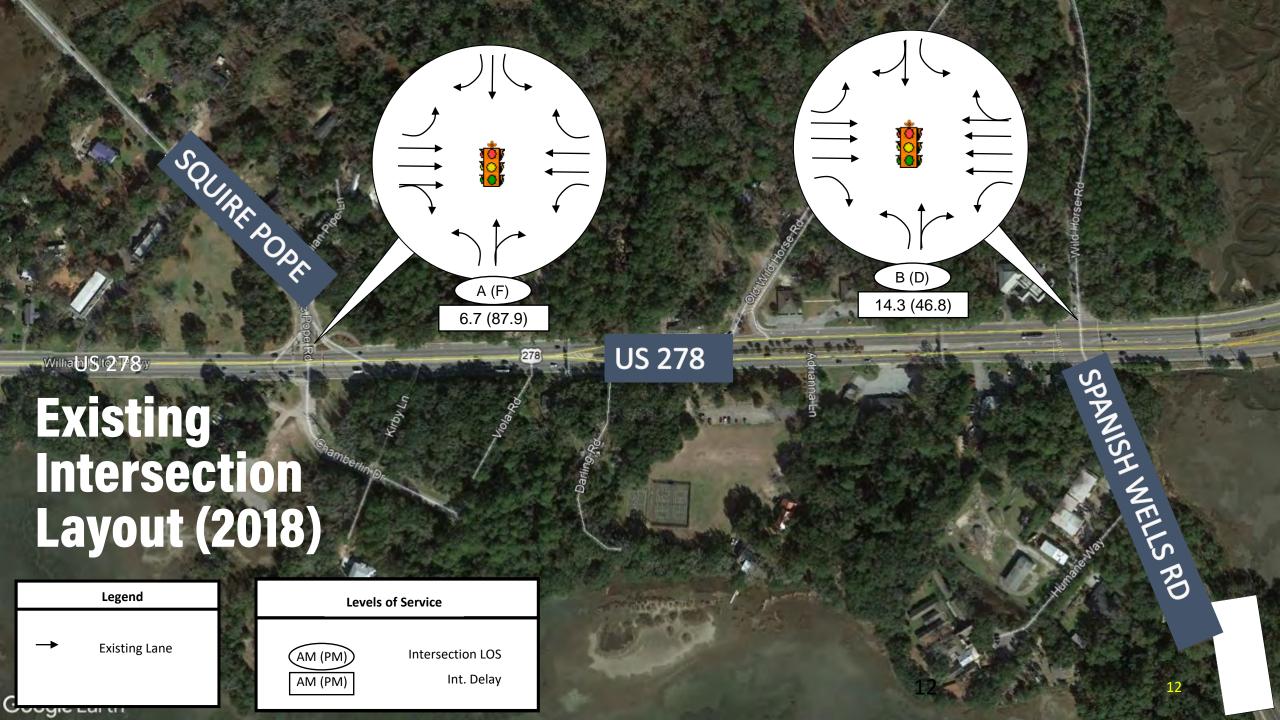
| US | 278 | Delineated Wetlands | New Right-of- Way to be Purchased | Relocations | Meets Current Seismic Design Standards | Construction Duration |
|-------------------------|-----------------|------------------------|---|-------------|--|--------------------------|
| CORRIDO | OR IMPROVEMENTS | TOTAL Acres | Acres | TOTAL# | # of Structures | Years |
| | RA 1 | 19.28 | 28.1 | 10 | 1 of 4 (eastbound Mackay Creek) | 5 |
| Reasonable Alternatives | RA 2 | 18.4 | 27.2 | 10 | 1 of 4 (westbound Mackay Creek) | 5 |
| | RA 3 | 19.3 | 31.5 | 10 | 2 of 4 (eastbound Mackay Creek and eastbound Skull Creek) | 5 |
| | RA 4 | 18.9 | 35.2 | 11 | 4 of 4 (both Mackay Creek and both Skull Creek) | 3 |
| | RA 4A | 18 | 36.8 | 11 | 4 of 4 (both Mackay Creek and both Skull Creek) | 3 |
| | RA 5 | 30.5 | 63.9 | 17 | 2 of 4 (eastbound Mackay Creek and eastbound Skull Creek) | 5.5 |
| | RA 5A | 26.9 | 63.3 | 20 | 2 of 4 (eastbound Mackay Creek and eastbound Skull Creek) | 5.5 |
| | RA 6 | 29.8 | 71.7 | 18 | 4 of 4 (both Mackay Creek and both Skull Creek) | 3.5 |
| | RA 6A | 25.3 | 72.3 | 21 | 4 of 4 (both Mackay Creek and both Skull Creek) | 3.5 |



US 278 Intersection Concepts







Explored Intersection Concepts

Jughandle

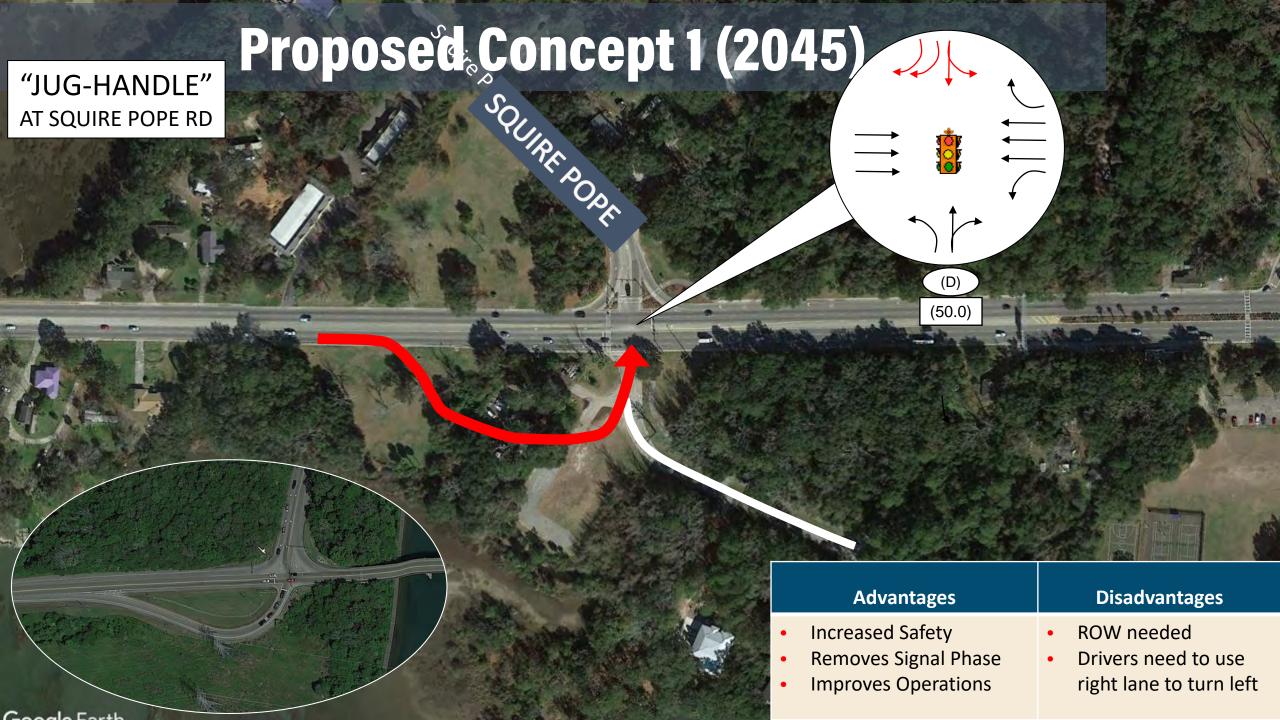
- Displaced Left
- 3. Continuous Green T
- 4. Flyover

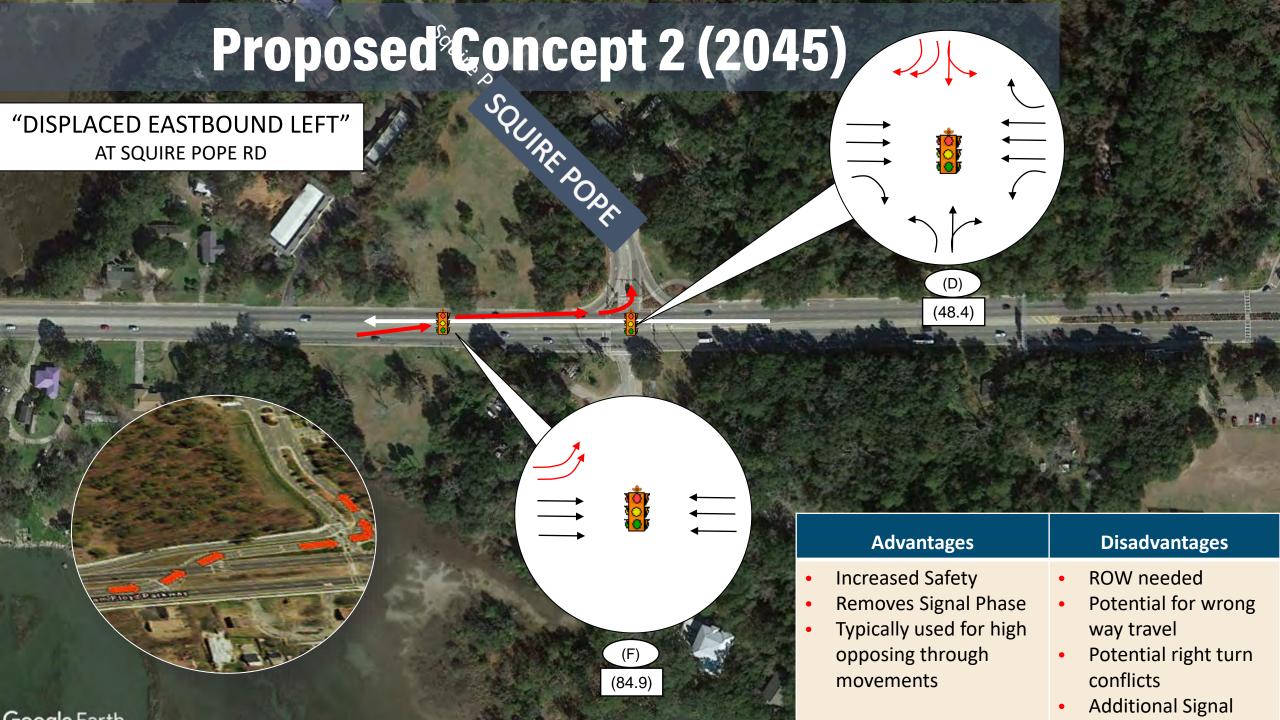
- Detour Northbound Left
- 6. Half Diamond Interchange
- 7. Flyover
- Displaced Left
- 9. Maximize Lanes
- 10. Remove Lefts from Squire Pope & Spanish Wells Signalize Old Wild Horse
- 11. Two T-Intersections at Old Wild Horse & Spanish Wells
- 12. Roundabouts with Underpass at Spanish Wells
- 13. Roundabouts for Left Turn Movements
- 14. Viaduct

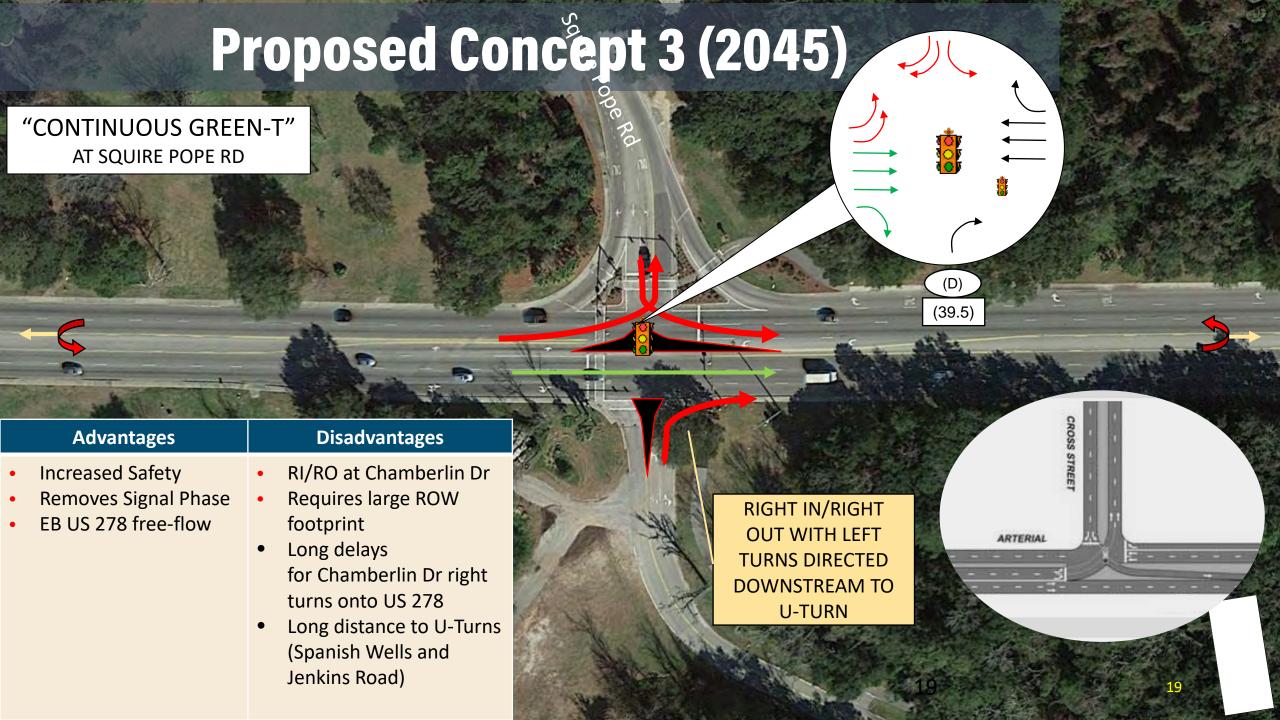


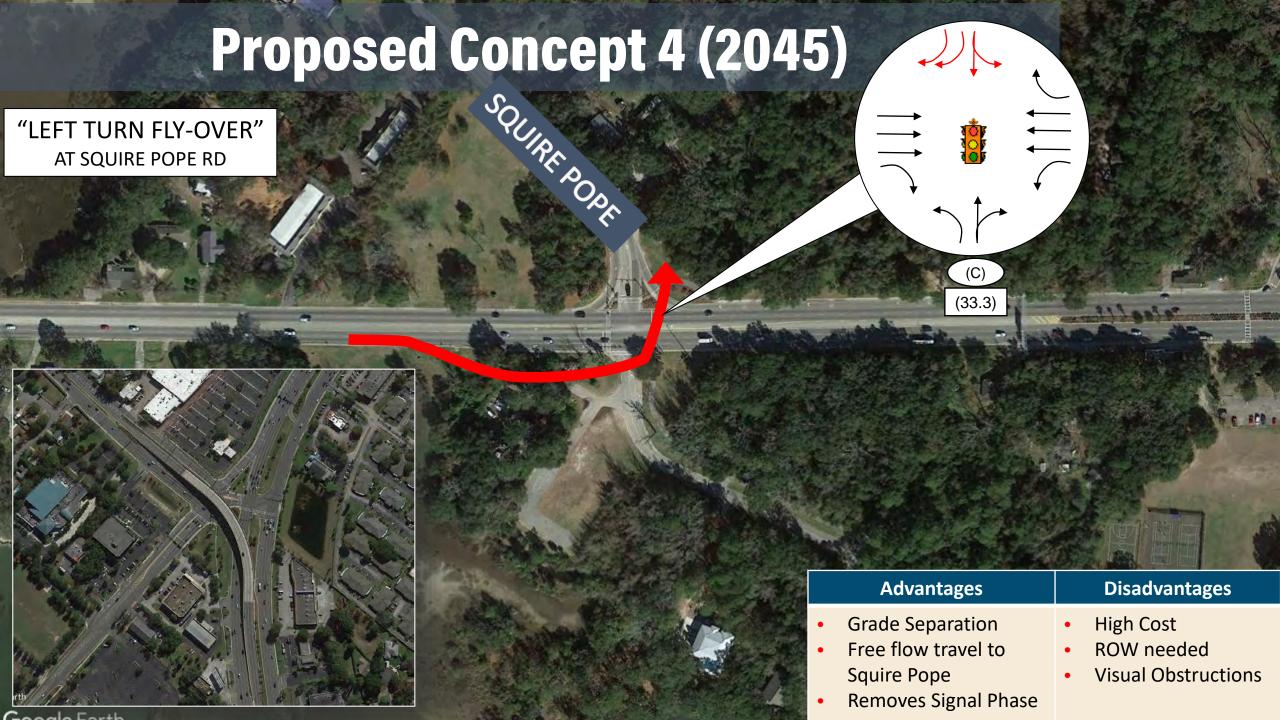


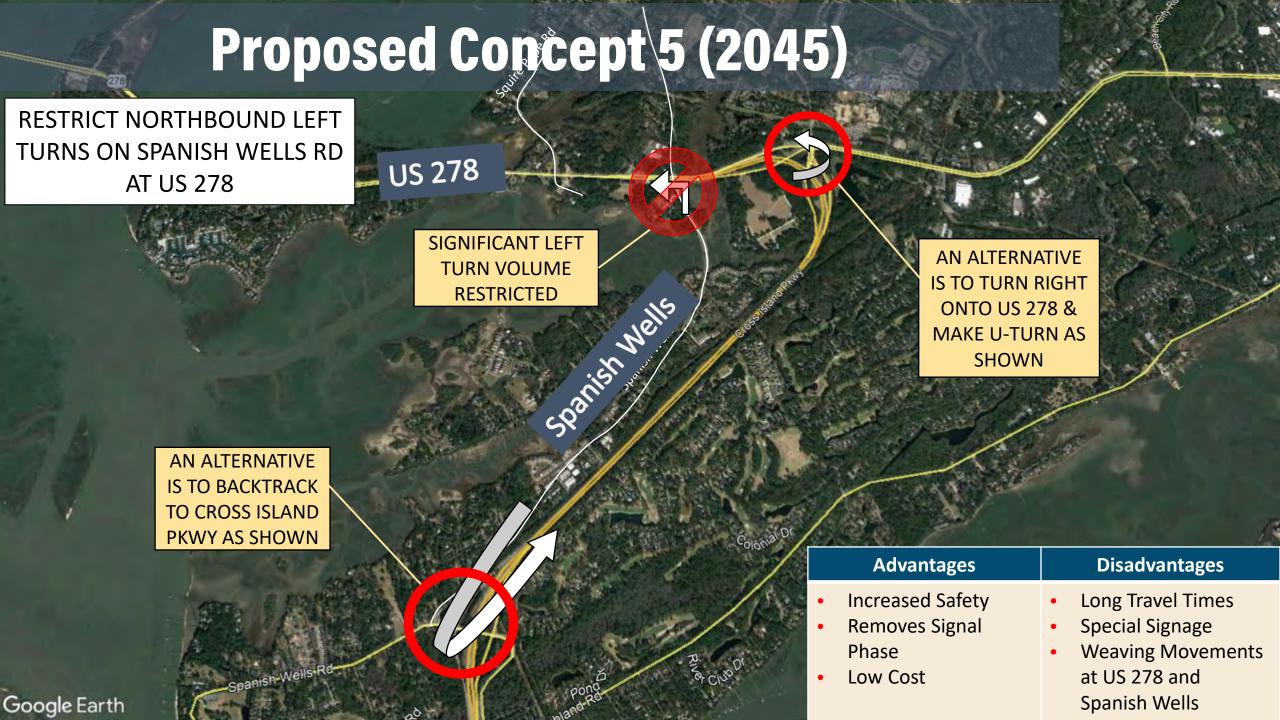


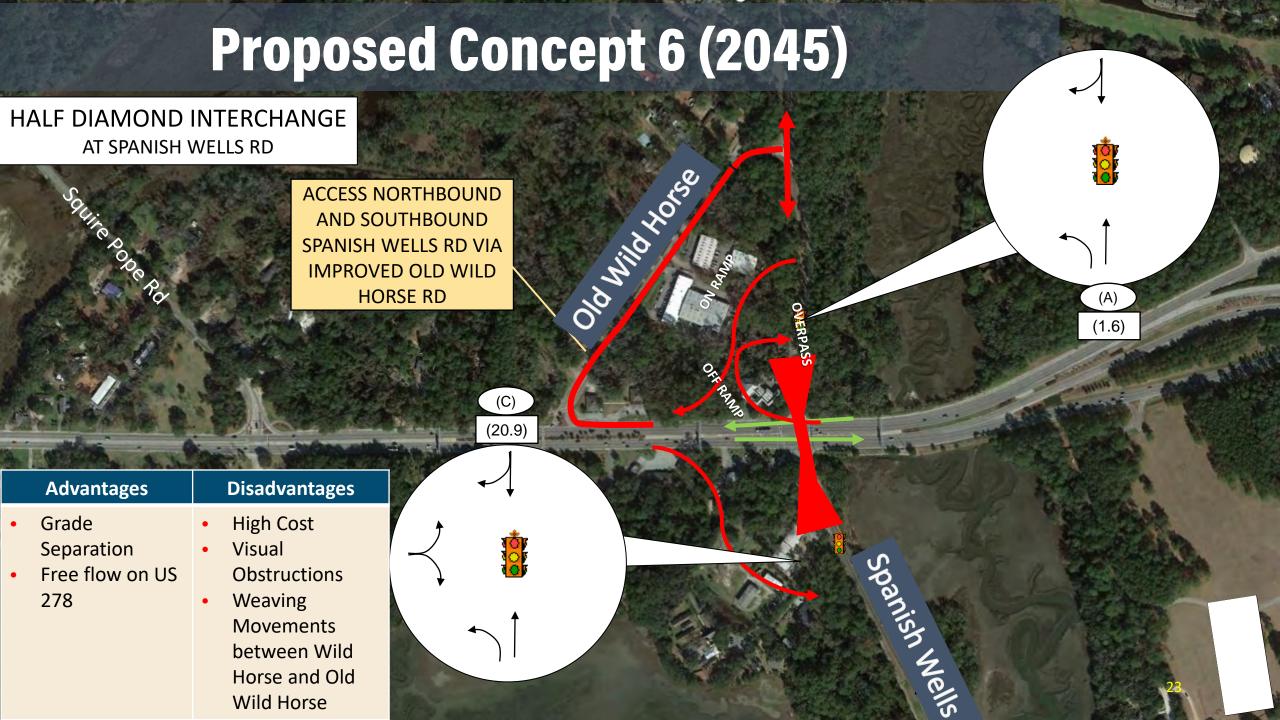


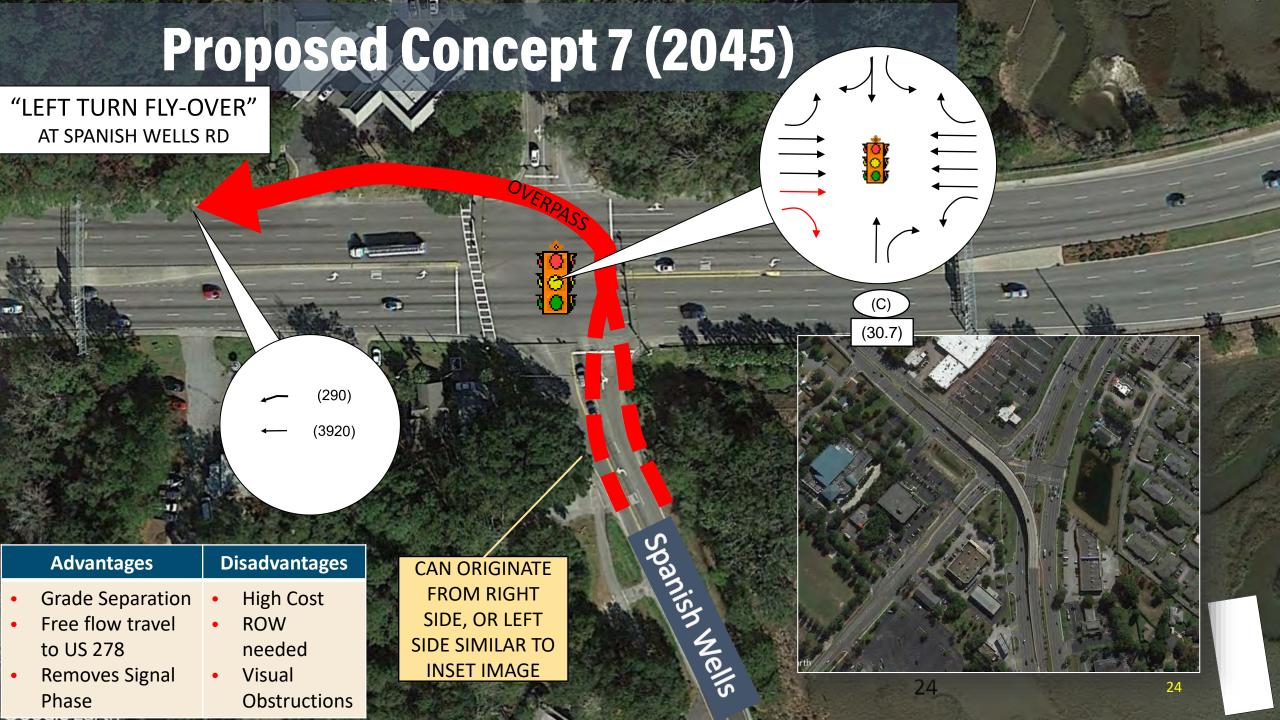


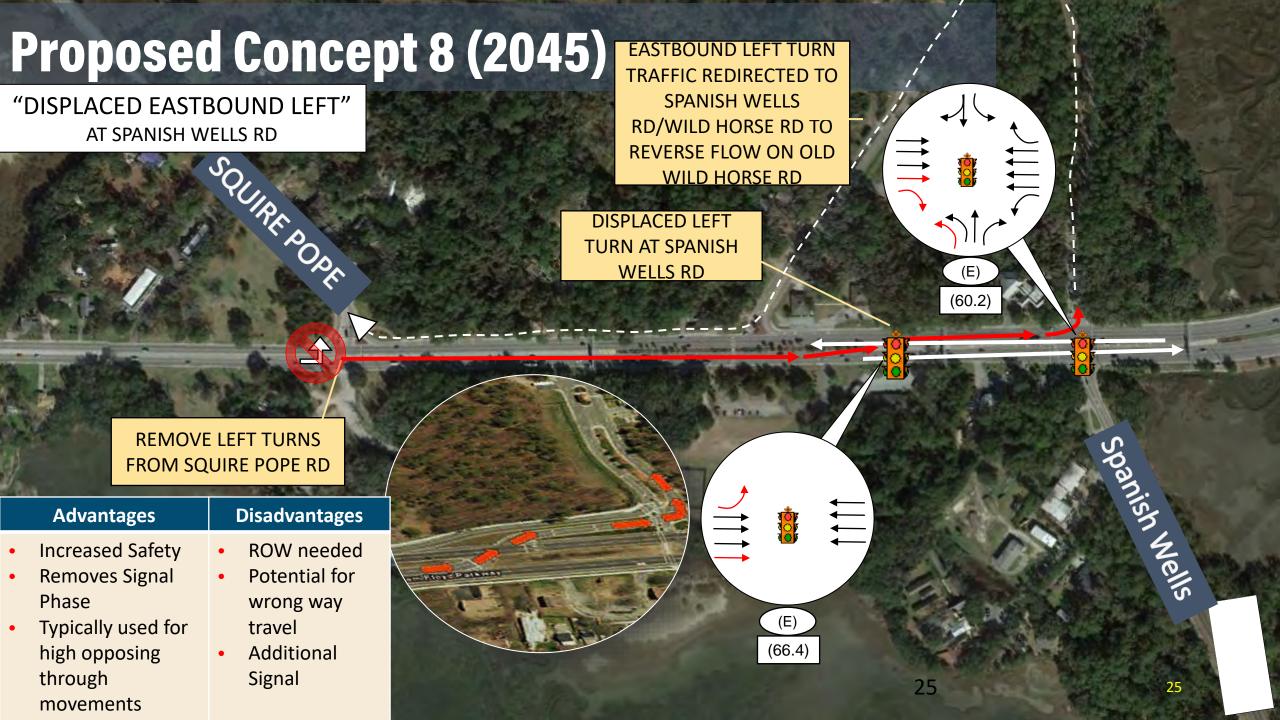


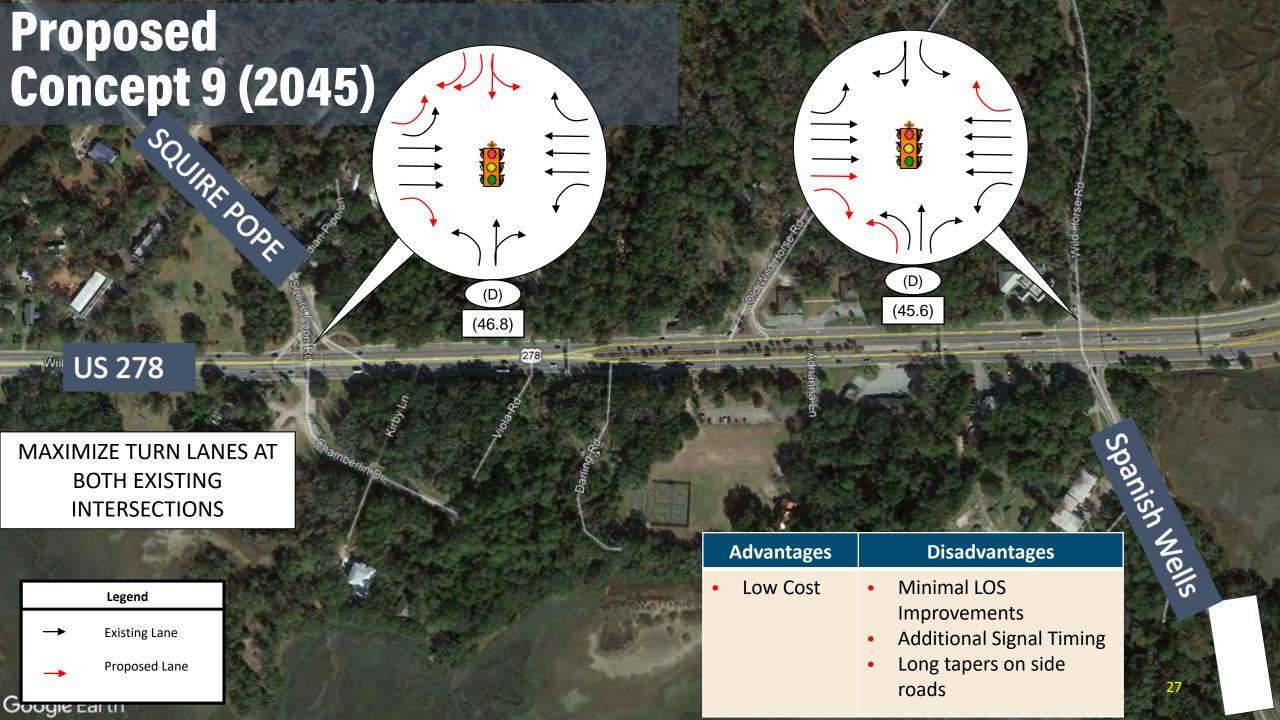






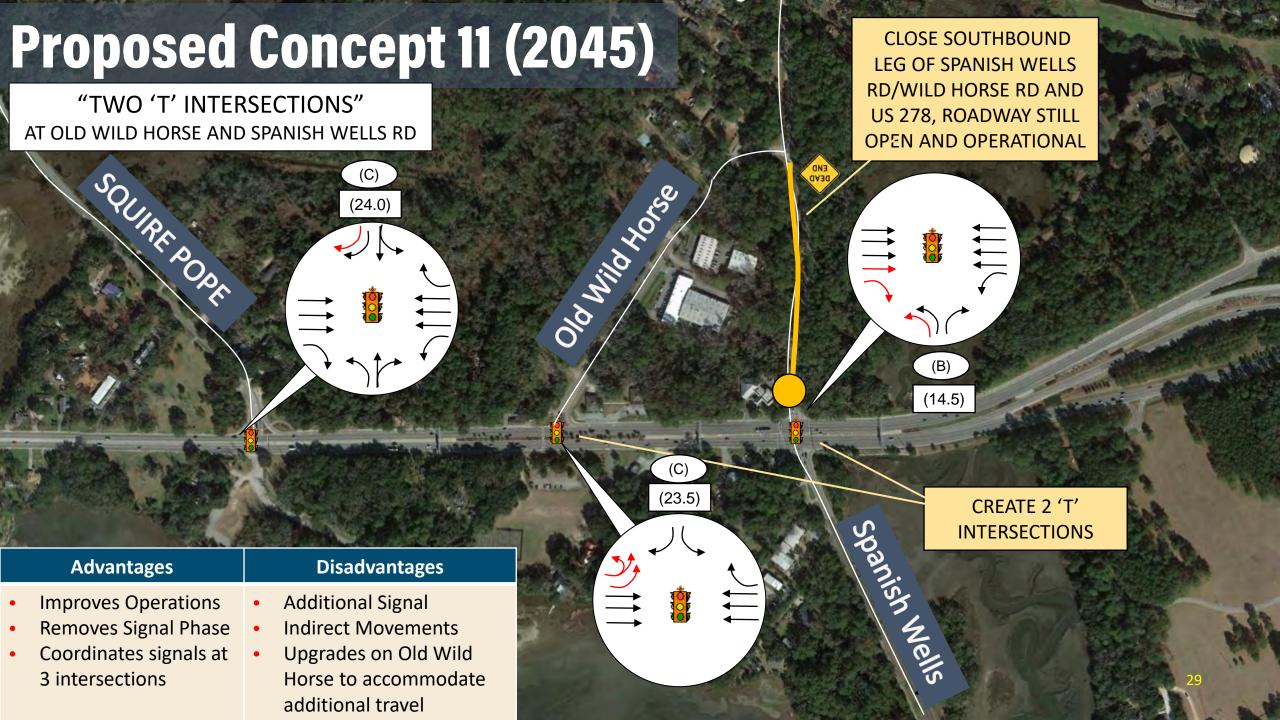


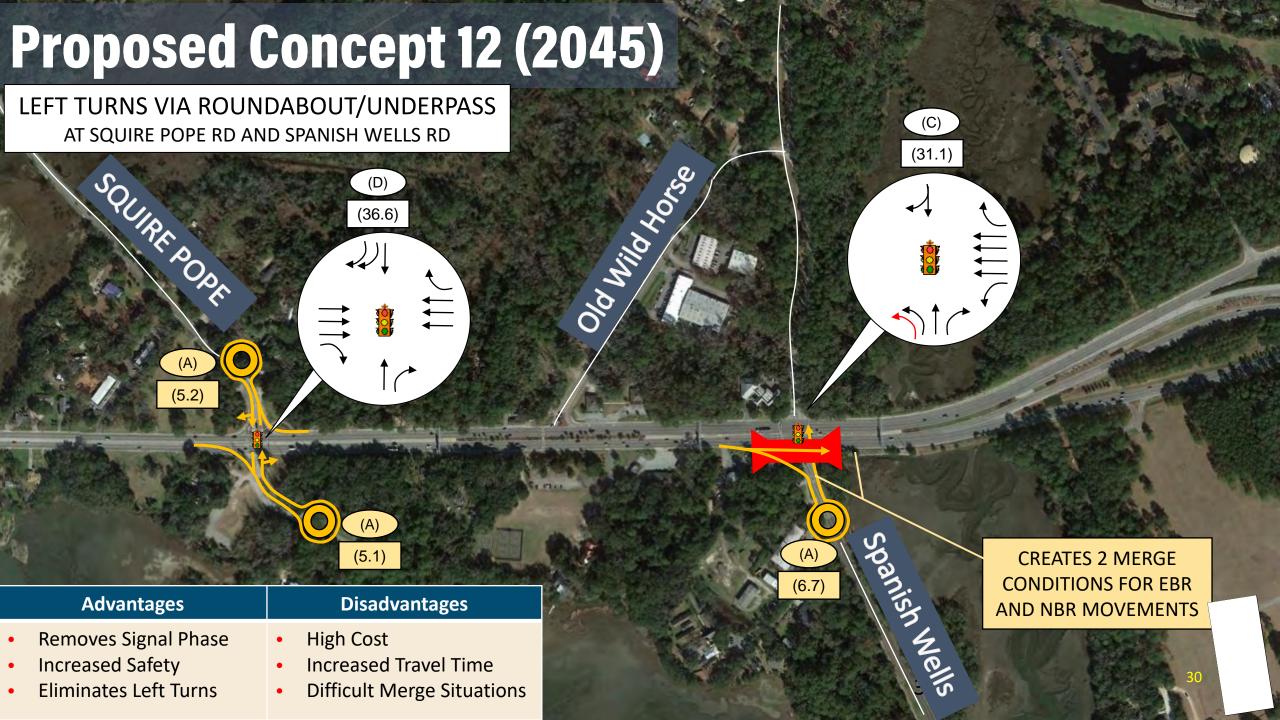


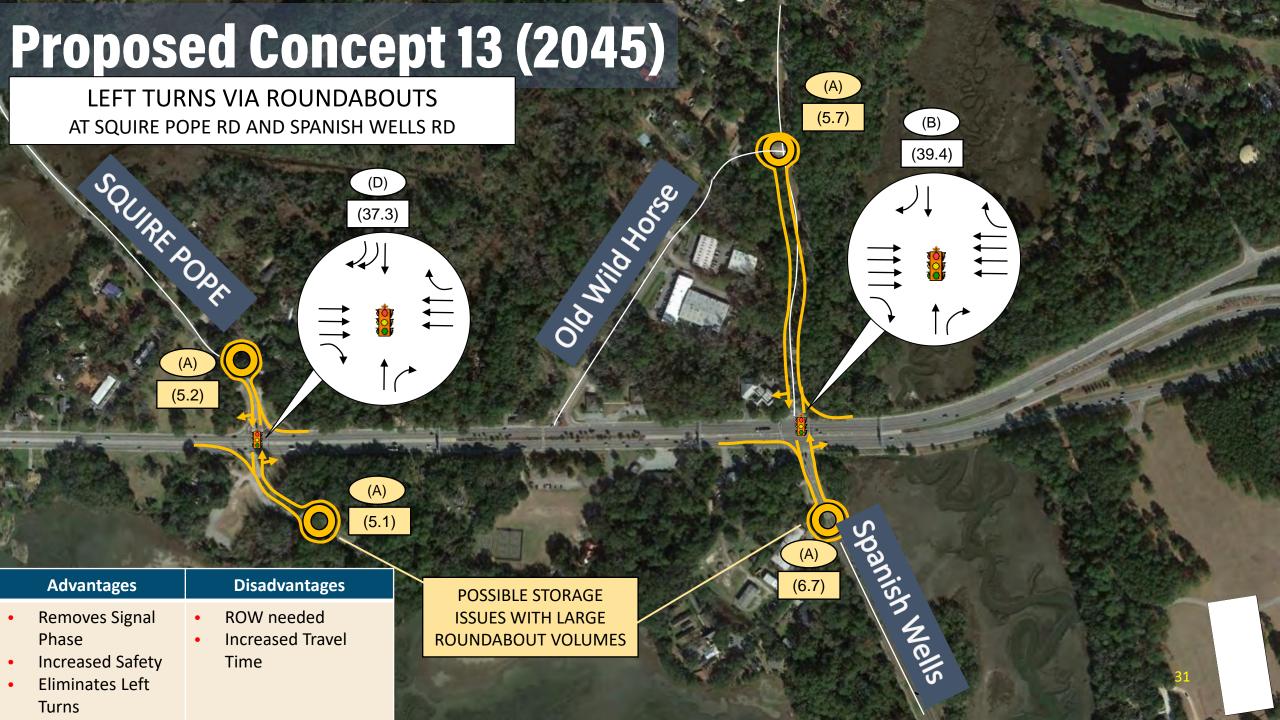


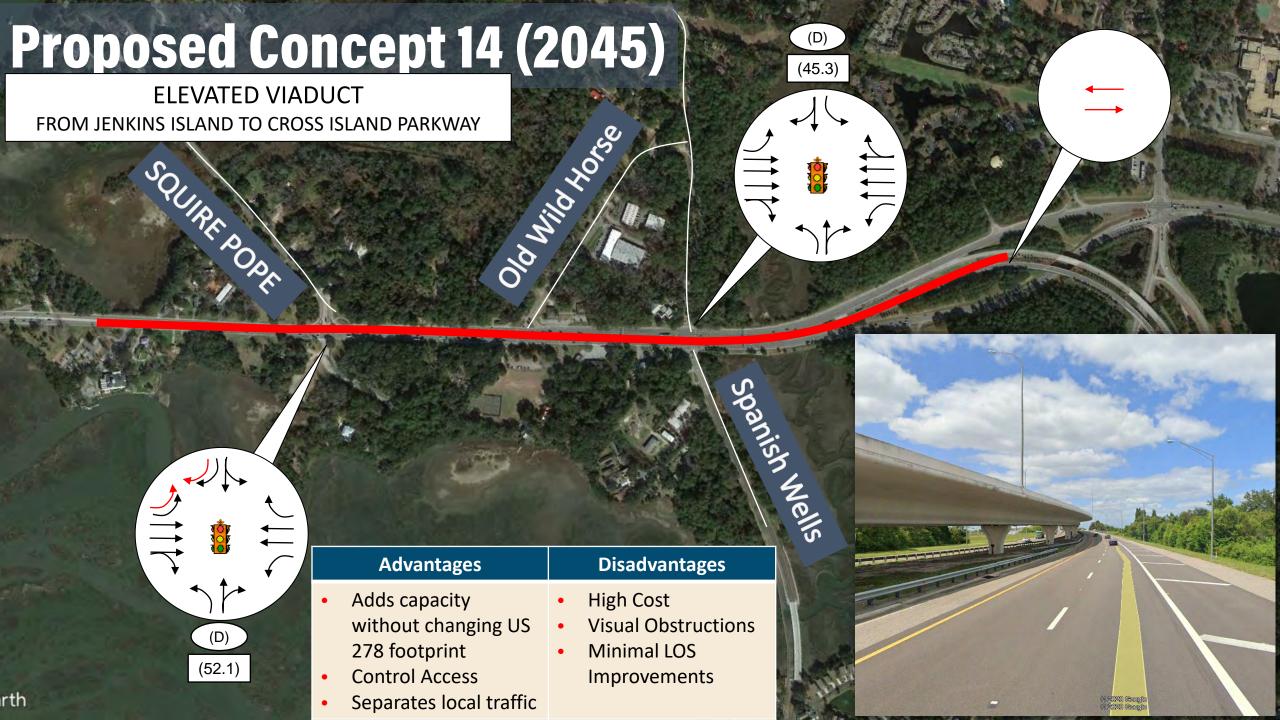
Advantages Disadvantages Proposed Concept 10 (2045) Increased Safety Additional Signal Removes Signal Phase Special Signage **Low Cost** Upgrades on Old Wild "SIGNAL WITH LEFT TURNS DIVERTED FROM Consolidates left Horse to accommodate SQUIRE POPE RD AND SPANISH WELLS RD" additional travel turns AT OLD WILD HORSE RD ADD LEFT TURN/ **U-TURN SIGNAL AT OLD WILD HORSE RD** (21.0)(C) (C) (25.4)(19.7)**REMOVE EASTBOUND REMOVE EASTBOUND LEFT TURNS FROM LEFT TURNS FROM** SQUIRE POPE RD SPANISH WELLS RD

Google Earth









Intersection Concepts Summary

| | | | Level of Service | | | | | | |
|---------------|--|----------------|-------------------|------------------|-----------------------|--------------------|------|----------------------|-----------|
| Alternative | | Squire Pope | Old Wild Horse | Spanish Wells | New Travel Pattern | ROW Acquisition | Cost | View Obstructions | Advanced? |
| Squire Pope | 1 – Jughandle | D | - | D | | | | | Yes |
| | 2 – Displaced Left | F/D | - | D | | | | | No |
| | 3 – Continuous Green T | D | - | D | | | | | No |
| | 4 – Flyover | С | - | D | | | | | Yes |
| Spanish Wells | 5 – Restricted NB Lefts | D | - | - | | | | | No |
| | 6 – Half Diamond Interchange | D | - | C/A | | | | | No |
| | 7 – Flyover | D | - | С | | | | | No |
| | 8 – Displaced Left | D | - | E/E | | | | | No |
| | 9 – Maximize Lanes | D | - | D | | | | | Yes |
| ctions | 10 – Signal at Old Wild Horse | С | В | С | | | | | Yes |
| terse | 11 – Two T-Intersections | С | С | В | | | | | No |
| ole In | 12 – Roundabouts and Overpass | D | - | С | | | | | No |
| Σ | 13 – Roundabouts for Left Turn Movements | D | - | В | | | | | No |
| | 14 - Viaduct | D | - | D | | | | | No |



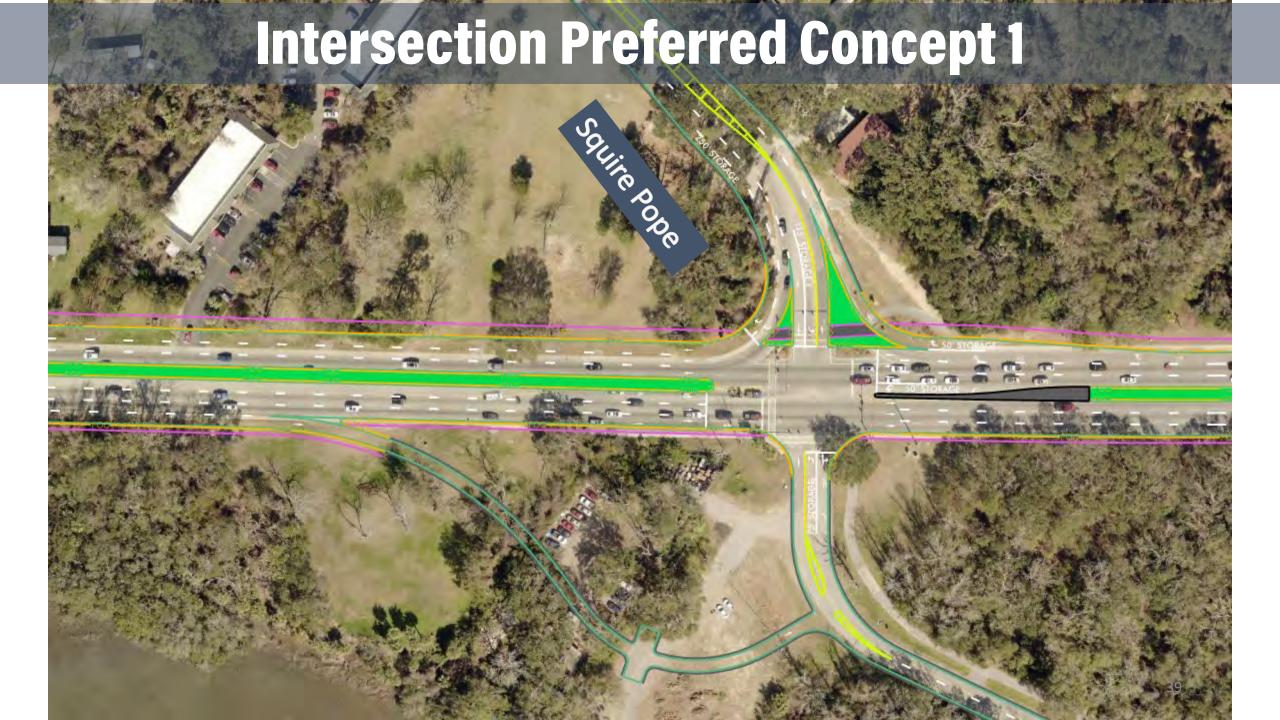
Preferred Intersection Concepts



Intersection Preferred Concept 1

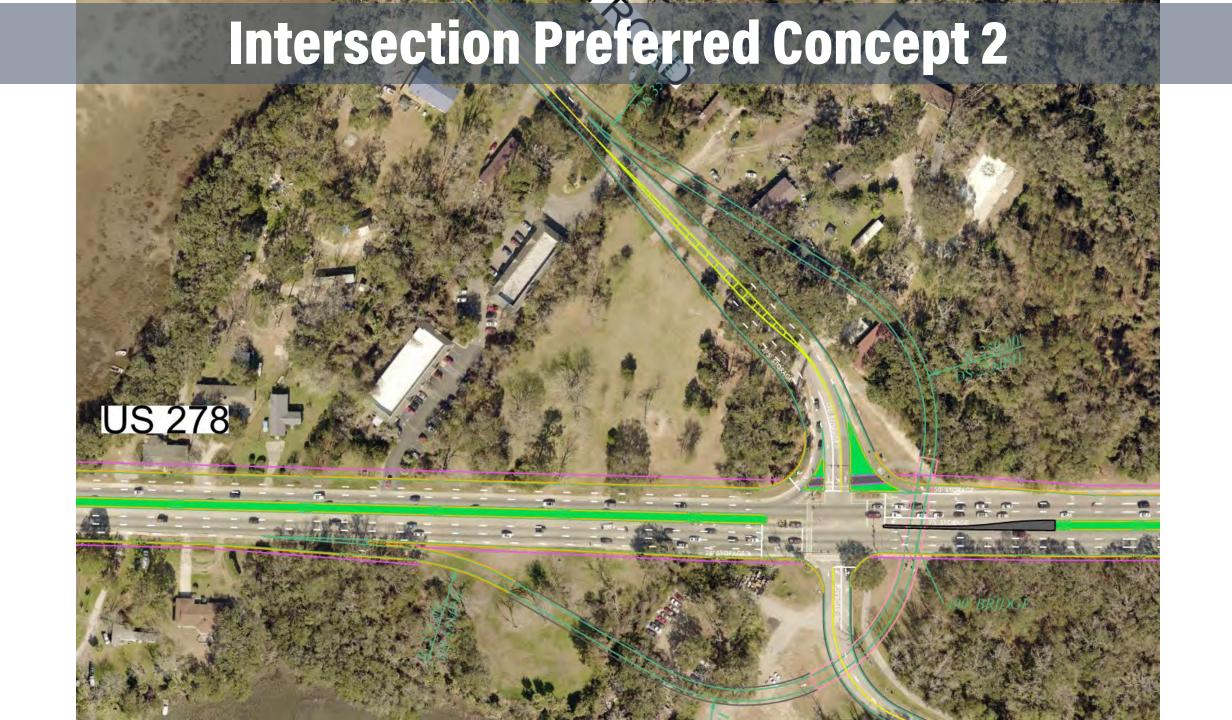


Jughandle at Squire Pope (CONCEPT)

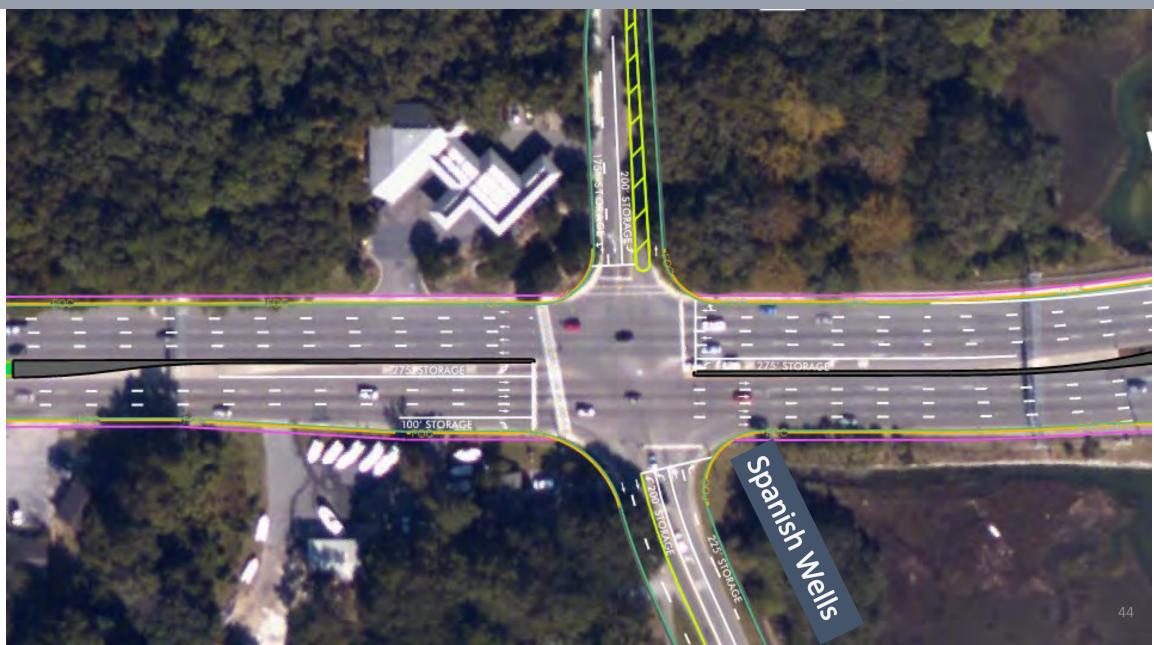


Intersection Preferred Concept 1

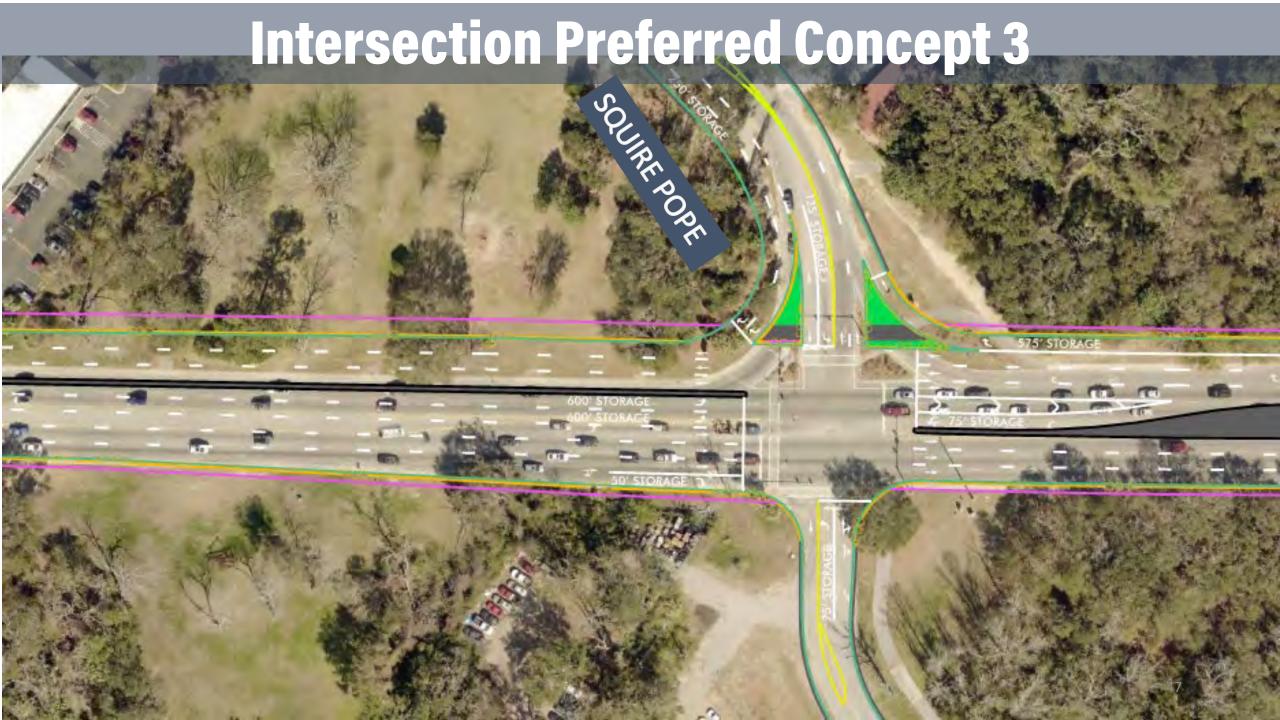
Intersection Preferred Concept 2 OV MIII OY OYOSS Flyover at Squire Pope (CONCEPT)



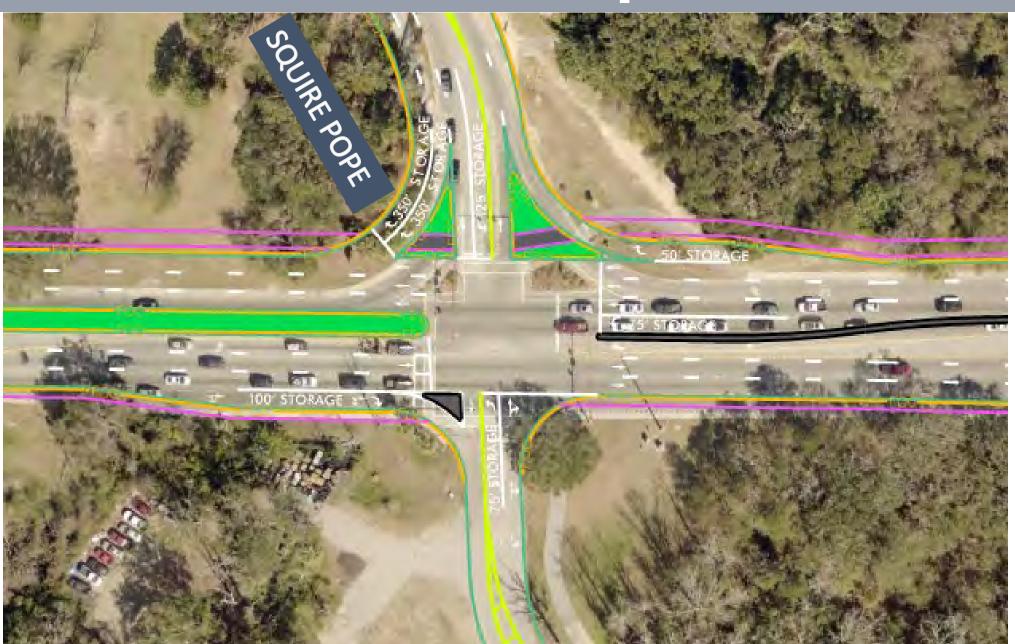
Intersection Preferred Concept 2

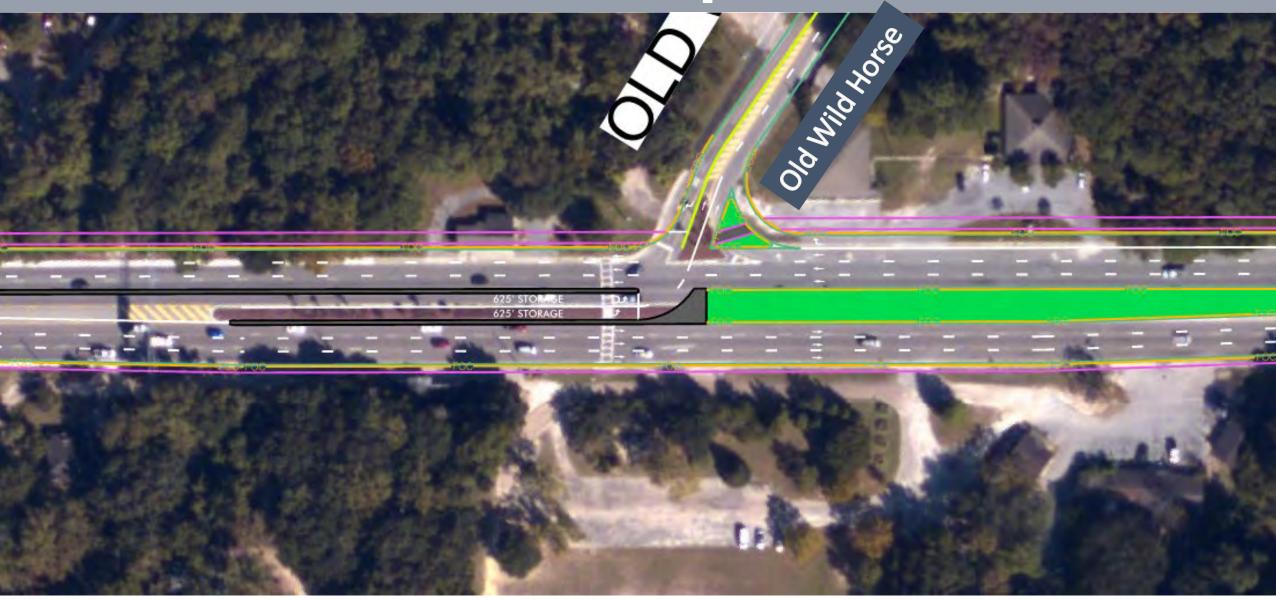


Intersection Preferred Concept 3 Old Milly Molling Andreas Maximize Lanes (CONCEPT)

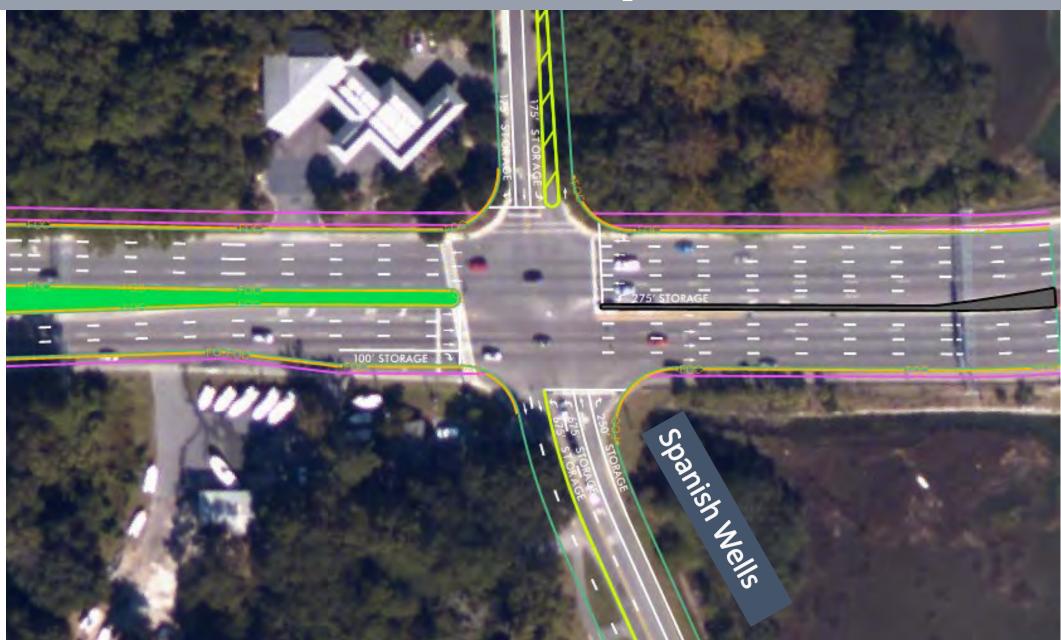


Intersection Preferred Concept 4 Oly Mily More US 218 Signalize Old Wild Horse (CONCEPT)





52 52



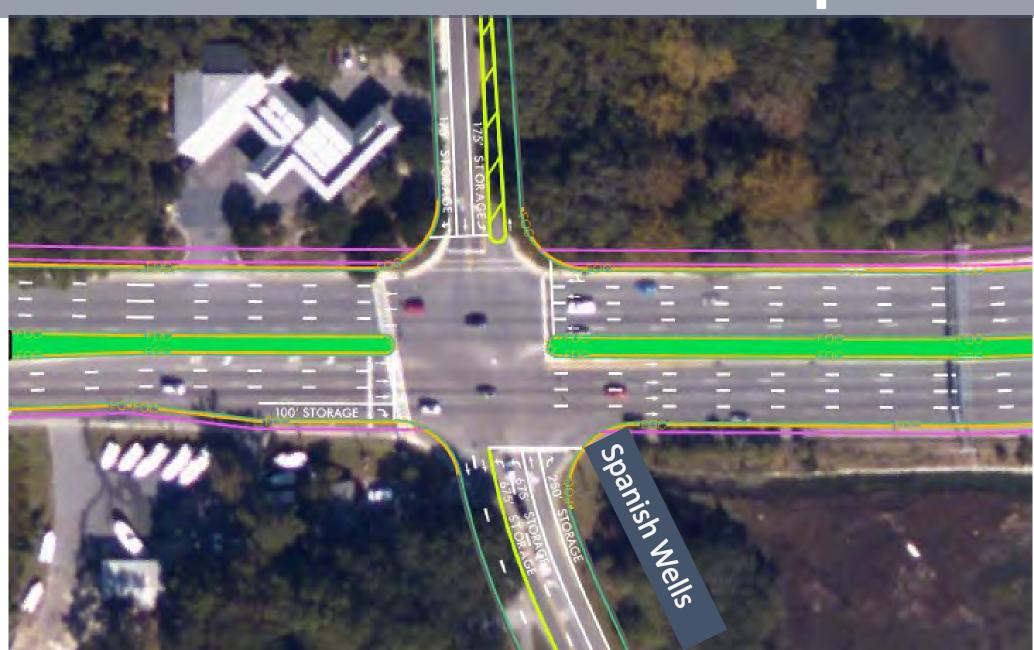


Signalize Old Wild Horse – Alt A (CONCEPT)



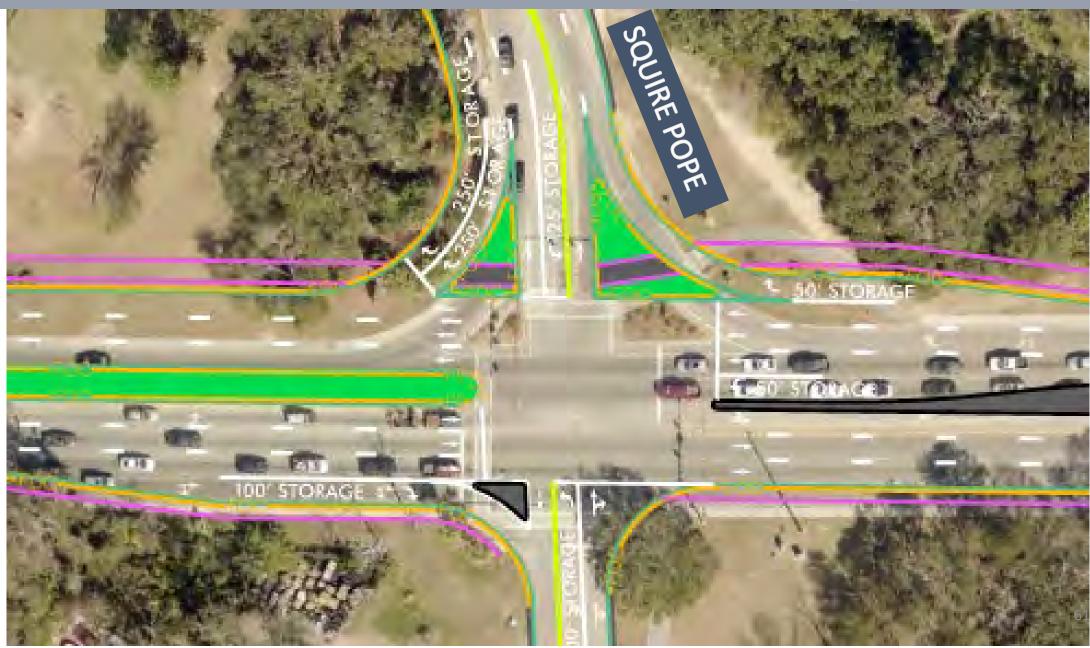
Intersection Preferred Concept 5 C 350' STORAGE

57 57



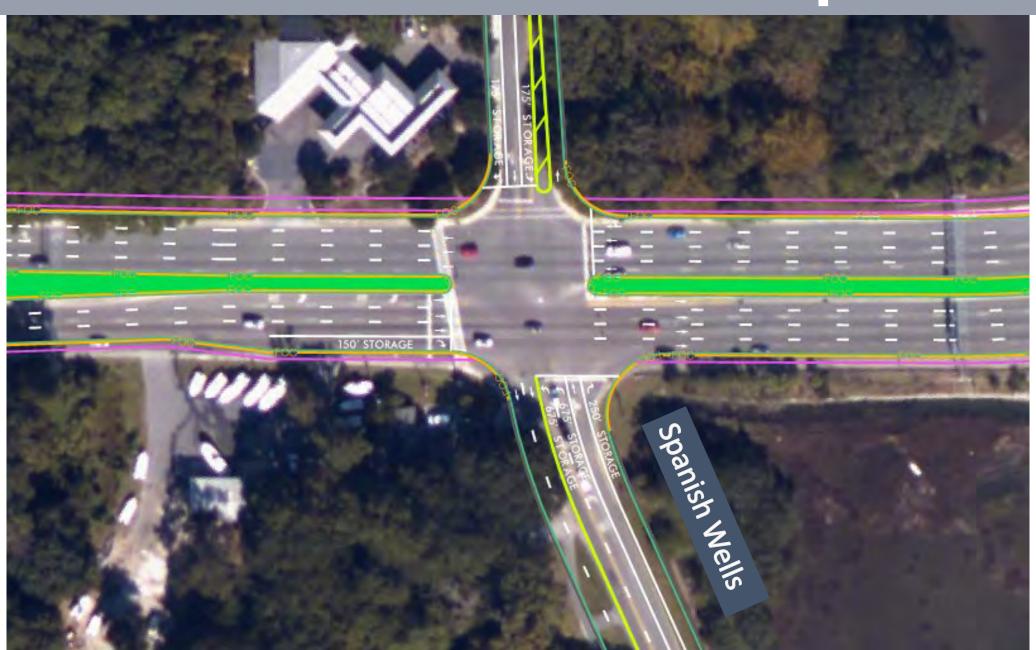


Signalize Old Wild Horse – Alt B (CONCEPT)





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Questions?





October 28, 2020 Stakeholders Group Meeting

Stakeholder Meeting 6 - Summary

Event Information

Date: October 28, 2020

Time: 10:00 AM to 11:30 AM

Location: Virtual meeting via Microsoft Teams (call-in option available)

Meeting Goals

Present to the stakeholders and gather feedback on:

- Community mitigation recent activities and path forward
- Current intersection refinements
- The status and expectations of the Public Hearing

Attendees

| Person | Organization |
|------------------|---------------------------------------|
| Craig Winn | SCDOT |
| Megan Groves | SCDOT |
| David Kelly | SCDOT |
| Eric Burgess | KCI |
| Phil Leazer | KCI |
| Amy Livingston | CDM Smith |
| Hisham Abdelaziz | CDM Smith |
| Victoria Wornom | CDM Smith |
| Heather Robbins | 3 Oaks |
| Jessie White | Coastal Conservation League |
| John Miller | Moss Creek Owners Association |
| Juliana Smith | Costal Conservation League |
| Maureen Smith | Mariner's cove |
| Mike Garrigan | Windmill Harbour |
| Dejuan Holmes | Stoney Community |
| Sarah Stewart | Stoney Community |
| Frank Babel | HHI Bike Advisory Committee |
| David Johnson | Town of HHI 278 Gateway Committee |
| Ray Deal | Hilton Head Island – Bluffton Chamber |
| | of Commerce |
| Hannah Horn | Hilton Head Island – Bluffton Chamber |
| | of Commerce |

| Courtney Kenneweg | Crazy Crab Restaurant |
|-------------------|-----------------------|
| Mary Lou Franzoni | Palmetto Breeze |

Meeting Highlights

- Began meeting with an overview of the software platform and how the meeting would be moderated. Ensured stakeholders understood the tools and process.
- Introduced the Team that was on the line and the participants
- Presentation Craig Winn gave a presentation on the following items:
 - What is happening with community mitigation?
 - Our current intersection refinements
 - The status and expectations of the Public Hearing
- Question & Answer
 - Stakeholders were able to type questions into the chat box and ask questions out loud throughout the meeting. There were specific pauses in the presentation to allow for a more open question and answer session.

Questions and Comments Received

- RA 2, 3, 4A were in front of the others, so one of those 3 would be the Reasonable Preferred
 Alternative? Are you still refining the costs of those alternatives? Is there any indication of when
 a start date would be for construction? (Mike Garrigan)
 - We anticipate it starting in early 2024. Federal funding isn't available until October 2023.
 Yes, those are the alternatives that are still rising to the top.
- Why did the relocations go down in number?
 - When we first looked at relocations, we were looking at a study-level assessment. As we refined the alternatives, we were able to reduce the impacts. We're looking at 2 business relocations now and no residential relocations.
- Has the construction contract been awarded yet? (Maureen Smith)
 - No, this would not be awarded until the end of 2023.
- I think it would be helpful to get a rough estimate of the Alternatives 2, 3, 4A's construction costs. (Frank Babel)
 - We will be providing costs estimates for the alternatives at the Public Hearing once we have completed all refinements and work required by NEPA.
- Are there pathways on both sides of US 278 (referring to the multi-use paths)? (Frank Babel)
 - We are proposing a new 10-foot multi-use path (on one side) for the entire project and connecting to some of the existing trails.
 - We need to have a separate conversation about this. LATS chair wants to see a plan. (Frank Babel)
- Adding another light will require skillful "selling" for concept 4 (Frank Babel)
 - Yes, the proposed intersections will require a lot of explanation and education which we will certainly plan for, however, we would like this group to help with that education outreach.
- I do not agree that Gateway Road diverted to Jenkins Road is a disadvantage. In fact, it may be an advantage (Mike Garrigan)

- You mentioned that you have minimized the relocations down to 2 businesses, is that correct? (Maureen Smith)
 - Yes, that is correct. All alternatives (2, 3, and 4A) that have risen to the top have only 2 relocation impacts now. There are no residential relocations.
 - Which businesses will be impacted?
 - We cannot say now because we prefer to contact the businesses first. (Maureen said she understood)
 - Yes. The 2 relocations are also inclusive of the intersection reconstructions.
- When Craig spoke for the public policy meeting, one concern we had was the intersection of Squire Pope Road. I'm making this concern known again. (Mike Garrigan)
- I did not see any turn-around for how customers will get to us (Cray Crab) coming from the Island? (Courtney Kenneweg)
 - We are still working through that, but the concept is having a left-turn lane in the median for people coming to the Crazy Crab from the Island. They would turn right if coming from Bluffton.
 - We are looking at allowing right turns in, but not allowing left turns out. People would have to go to Old Wild Horse Road to make a U-turn.
- Can you define "mitigation bank"? (Maureen Smith)
 - USACE's preferred method of mitigation
 - Purchasing wetlands that are unimpacted to offset impacts
- Are studies underway for how noise can be reduced? (Mike Garrigan)
 - Studies are underway and the results of those will be available at the Public Hearing.
- The public's demand for information will increase as this gets closer to decision time. We need to engage the County, Town of Hilton Head Island, and the Chamber to assist getting the message out (Frank Babel)
- Ways to engage for the Public Hearing:
 - Suggests using YouTube videos
 - Visualization efforts are underway a video fly through of the entire corridor will be part of the PH.
 - Leaning towards doing virtual and in-person meetings
 - Mariners Cove found the in-person meeting with the team to be very helpful in understanding the scope

Meeting Preparation

- Save-the-Date eblasts were sent on October 7, 2020
- Formal invitations were sent through eblast and USPS mail on October 22, 2020
 - Formal meeting packets mailed included the full slideshow printed in-case individuals were not able to log on through their computer
- A reminder of the stakeholder meeting was sent from project manager Craig Winn's SCDOT email to all stakeholders on October 26, 2020 (inclusive of login information).
- Meeting presentation was posted to the website on October 30, 2020 following the meeting