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## MEETING SUMMARY

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<b>Meeting Date:</b>	February 25, 2016 (Thursday)	<b>Time:</b> 5:30 PM – 7:30 PM
<b>Project:</b>	State Road (SR) 406 and US 1 Corridor Planning Studies and the Coast-to-Coast Titusville Connector Study by FDOT	
<b>Subject:</b>	Public Alternatives Meeting	
<b>Meeting Location:</b>	City of Titusville- City Hall   Council Chambers, 2 <sup>nd</sup> Floor 555 S. Washington Avenue, Titusville, FL 32796	

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### I. OVERVIEW:

The purpose of this meeting summary is to provide an overview of the public alternatives meeting conducted for the State Road (SR) 406 and US 1 Corridor Planning Studies and the Coast-to-Coast Titusville Connector Study by FDOT.

The meeting was held on Thursday, February 25, 2016 at the City of Titusville Council Chambers from 5:30 pm to 7:30 pm to present and explain the potential improvement strategies, seek public and agencies input, and allow interested people an opportunity to provide feedback and comments to the study team.

### II. PUBLIC NOTICE:

The meeting was advertised in advanced through several methods including:

- Notification emails to approximately 44 state and local elected and appointed public officials and other agencies sent on January 26, 2016
- Direct mail notifications to approximately 2,462 property owners adjacent to the study corridors mailed on January 29, 2016
- Legal advertisement in the January 31, 2016 and February 15, 2016 editions of the Florida Today
- January 17, 2016 edition of Florida Administration Register
- Press release to local media outlets on February 18, 2016

### III. FORMAT:

The meeting began as an open house format at 5:30 pm. Throughout the meeting, Florida Department of Transportation (FDOT) staff and members of the study team were on hand to discuss the project and answer questions. Handouts were provided to each attendee containing the following items: a brochure outlining an overview of each study corridor's potential improvement strategies, a comment form, and a handout explaining roundabouts and road diets. Several visual aids were on display for review during the open house. A detailed account of the display boards are provided in Section V of this memo.

The presentation began at approximately 6:00 pm. The presentation was segmented into four sessions:

- Introduction/Overview session
- US 1 session
- SR 406 session
- Coast-to-Coast Titusville Trail Gap session

The Introduction/ Overview session consisted of a description of a corridor planning study, why the studies are being conducted, and how the public can get involved. The US 1 session presented the goals and objectives defined by the study and the spot improvements being considered for the corridor. The SR 406 session also presented the goals and objectives defined by the study, along with the corridor and spot improvements identified for the corridor. The Coast-to-Coast Titusville Trail Gap session provided a brief background and history on the study, existing conditions findings, and a walkthrough of the conceptual layout for the new trail. Following the Coast-to-Coast Titusville Trail Gap conceptual layout, Mayor Tulley of the City of Titusville gave his remarks in support of the trail. During the entire presentation, participants were given the opportunity to ask questions at various points in the presentation.

Following the presentation, the meeting returned to an open house format where the public could discuss the project with the study team. Members of the public were also encouraged to provide written comments and questions using the comment forms provided. A summary of the comments and questions received at the meeting and the public comment period that followed is included in Section VI of this summary.

#### **IV. ATTENDANCE**

Approximately 24 members of the public attended the meeting, along with 1 elected official (Mayor Tulley), 7 agency stakeholders, and 7 FDOT and study team staff. Sign in sheets are included as Attachment A.

#### **V. DISPLAY/MATERIALS**

Informational materials available at the public meeting included a brochure with an overview of the three study corridors, a comment form with contact information, and a handout containing information on roundabouts and road diets. Study related materials were also available for the public to review and included the approved Existing Conditions Summaries, Future Condition Summaries, and Purpose and Need Summaries for both studies. Several visual aids were on display for review including Welcome Board, Title VI Board, Regional Overview Board, Coast-to-Coast Concept Banner, SR 406 Potential Improvement Strategies Board, SR 406 Typical Section Board for I-95 to Singleton Avenue, SR 406 Typical Section Board for Singleton Avenue to Dixie Avenue, SR 406 Typical Section Board for Dixie Avenue to US 1, and US 1 Potential Improvement Strategies Board. A PowerPoint presentation was shown to the public during the formal presentation. A copy of the presentation slides, brochure, handout, and display materials are provided in Attachments B, C, D, and E, respectively. The PowerPoint presentation, meeting materials, and displays are posted on the CFLRoads web pages hosted by the FDOT in the days following the meeting. The sites are located at the addresses posted below:

- [http://www.cflroads.com/project/435627-1/US\\_1\\_Corridor\\_Planning\\_Study](http://www.cflroads.com/project/435627-1/US_1_Corridor_Planning_Study)
- [http://www.cflroads.com/project/436187-1/SR\\_406\\_Corridor\\_Planning\\_Study](http://www.cflroads.com/project/436187-1/SR_406_Corridor_Planning_Study)
- [http://www.cflroads.com/project/436187-2/Coast-to-Coast\\_Trail\\_Titusville\\_Gap\\_Concept\\_Development\\_Study](http://www.cflroads.com/project/436187-2/Coast-to-Coast_Trail_Titusville_Gap_Concept_Development_Study)

## VI. SUMMARY OF PUBLIC COMMENTS AND QUESTIONS

A total of 5 comment forms were received at the public meeting. Two additional comments were received during the comment period held until March 7, 2016.

Public comments were also taken during the meeting presentation, as an open forum. These comments were recorded to the best of the study team's ability. The following sections provide an overview of the public input received during the meeting and the public comment period that followed.

### Written Comments

A brief summary of the written comments received for the public alternatives meeting are provided below. A copy of these comments are provided in Attachment F.

Comment 1 – Mr. Kirby: If a bike lane is not provided on the US 1 corridor, improve Indian River Road as the surface is in bad shape and causes flat tires and damage to rims. Too many driveways on SR 406, causes accidents for bicyclists when cars use bike lanes to decelerate before turning. Make sure there is enough room for cyclists to slow down before making 90 degree turn onto Canaveral Avenue.

Comment 2 – Mr. C Myjak: Need to end the project in the large grassy area. Considered building a rest station with bike racks and water for riders for the BSA Eagle project, if it were approved.

Comment 3 – Mr. M Myjak: Need to address bike lanes on US 1 to be connected to the connector and bike lanes should be paved in green asphalt to provide a visual cue to traffic and improve safety for cyclists.

Comment 4 – Mr. Rozenberger: Path along Broad Street instead of Main makes more sense as it has a wider ROW. The extra width could be utilized to provide bike racks. There are a lot of bike thieves in the area.

Comment 5 – Mr. Shoemaker: Impressed by the ideas but did not like that a mic and monitor were not used or the audience recognition.

Comment 6 – Mr. St. Louis: The elongated roundabout might cause congestion on SR 406 to back up to the railroad crossing west of US 1. The lane diet might further exacerbate the problem. The Grace Street roundabout appears to be an excellent idea. Please do not add speed bumps as it causes damage to vehicles with low clearances, such as sports cars. Visual effects, such as Gateway features and roundabouts to promote slower speeds is an excellent approach that is effective.

### US 1 Comments

A summary of the verbal comments received during the public alternatives meeting that are specific to US 1 are summarized below.

- Bike path is needed along US 1
- Are there a lot of right-of-way impacts anticipated with the Grace Street roundabout
  - This will need to be further evaluated during future phases
- Will there be training to use roundabout
  - There is a roundabout handout provided at tonight's meeting with instructions on how to use a roundabout
- Roundabouts work in Europe because there are different rules there
- If speeding through the corridor is not what was originally anticipated, is there a way to make it more comfortable for pedestrians
  - While we can't lower the posted speed any lower than it currently is, we hope that the potential improvement strategies recommended by this study will help pedestrians feel more comfortable along this corridor
- Julia Street RRFB is not currently serving its purpose, pedestrians still cannot be seen
  - The roundabout could potentially help with slowing down traffic as cars enter the downtown historic area from the south
- When drivers see the light at US 1 and Garden Street, they begin to speed up to catch the green, bringing the light at Julia Street back will fix that
  - As researched during this study, the Julia Street and US 1 northbound light is not warranted by volumes and therefore, will not be reinstalled
- To help prevent drivers from running RRFB signals and learn how to obey it, law enforcement should start issuing tickets to violators
- Witnessed people starting to stop at the RRFB, there has just been a learning curve for drivers to get adjusted to the new signal
- How will the roundabout slow down traffic
  - The operational speed of a roundabout is about 20mph, drivers naturally slow down because of the change in movement
- The elongated roundabout at US 1 and SR 406 will help slow down traffic, as a lot of people currently speed through to catch the green light
- Removing the US 1 lights and replacing with roundabouts will make the corridor dangerous for other modes
- Need bike lanes on US 1
- If you push bikes other ways or cars on other streets going down Indian River to speed down Indian River, add stop signs on Indian River.

#### SR 406 Comments

A summary of the verbal comments received during the public alternatives meeting that are specific to SR 406 are provided below.

- There is heavy congestion on Clarewood Boulevard during high school start and end times
- Singleton roundabout looks dangerous for nearby driveways
- In favor of two lane options to help out with businesses along SR 406
- Median opening in front of Dixie Crossroads is extremely dangerous, there should be a roundabout there
- The bike lanes should be paved green to provide better visibility
- Provide a bi-directional turn lane in the 4 lane option
  - Bi-directional turn lanes cause more conflict points, while raised medians provide access management to improve safety
- The Palm Avenue light helps stop people from speeding through the US 1 intersection
  - The road diet is anticipated to slow speeds
- Prefers two lanes with grassed median
- Add sign for 3 foot law
- Add more bike lanes symbols closer than the minimum
- Reducing the number of lanes increases road rage, the analysis does not count road rage incidents or driver personality
  - The goal of a road diet is to change the character of the corridor, and we hope that will improve speeds
- For walkers, a designated crosswalk does not change where a pedestrian will cross the road.
- Has DOT ever done a road diet
  - Edgewater Drive
- SR 406 does not have the character for a road diet
- Two lanes are needed during launches
  - Designing for number of lanes is not done according to special events such as launches, they are designed for daily peak hour traffic
- Peak hour traffic will not represent peak traffic during launches
  - The peak hour traffic does not fail under the road diet design
- The section of SR 406 from 95 to Dixie Avenue is currently comfortable for bike sharing with car on the 20' width
- When driving, it is difficult to make turns with bikes sharing the road
- The biggest issue for bikes is between Dixie Avenue and US 1
- With elongated roundabout on SR 406/US 1 northbound/US 1 southbound, how will drivers access CVS

- CVS would lose some access points, and the overall design would be difficult
- 7 11 traffic would not work with elongated roundabout or exiting KFC
  - This concept will have a lot to work out
- It is unsafe for vehicles existing KFC headed southbound on US 1 while someone is turning into 7 11 after speeding down the US 1 southbound curve further north
- Where are bike lanes on roundabouts
  - Bikes share pedestrian crosswalks at the roundabout, however a bike can stay in the road as a car if desired
- What is the budget for landscaping
  - FDOT budget is minimal, however the City may choose to add fund to install and maintain landscaping.

#### Coast-to-Coast Comments

A summary of the verbal comments received during the public alternatives meeting that are specific to Coast-to-Coast Titusville Trail Gap are provided below.

- The trail will improve area
- The First Baptist Church has a driveway on Main Street with parking and a drop off area that is used for funerals and weddings, this access cannot be closed off
  - The driveway will have an opening, the plan is not to cut off driveways and the concept will be adjusted
- Continue the cycle track for one more block west of the RR crossing on Main Street
  - This would require reconstruction of the road, impacting drainage, and would require right-of-way acquisition for a new sidewalk; making this option more time and cost
- Can the East Central Florida Regional Rail Trail (ECFRRT) end on SR 406
  - The project is already under construction, and the plan was to bring the trail more south to get through the downtown area before going back up to the Max Brewer Bridge
  - There will be ramps to get off and on at the SR 406 pedestrian bridge
- Should utilize Broad Street instead of Main Street
  - With the location of the ECFRRT endpoint and the donated FEC corridor leading directly to Main Street, it would involve utilizing another corridor to go back north towards Broad Street, when the trail can simply continue on Main Street to Indian River Avenue
- Can a crosswalk be installed at the first intersection coming off of the Max Brewer Bridge, as pedestrians use this location to cross already and will continue to use it regardless of any other crosswalks near by
  - The location is not ideal for a designated pedestrian crossing, however the study

team will look at ways to make this unmarked crossing safer

### Mayors Remarks

At the end of the presentation, Mayor Tulley was introduced to provide public verbal comment on the Coast-to-Coast Titusville Trail Gap. The Mayor's remarks are provided below.

- Keep positive about these improvements, because any improvement will be better than what is currently there
- There will always be someone that does not like the concepts, even ten years from now
- The City of Titusville is fortunate to have the Coast-to-Coast Trail end there
- There are a total of three trails that will run through Titusville, making the future of Titusville bright
- The parking on Julia Street will not be greatly affected by the welcome center, with a loss of around 6 parking spots
- Credits to Leigh Holt of the Space Coast Transportation Planning Organization for finding funding for these projects
- The large concrete culvers on north end of ECFRRT pedestrian overpass is for the Draa St. stormwater improvement project, not for the bridge

### **VII. PHOTOS**





#### **VIII. ATTACHMENTS**

- **A – Sign in sheets**
- **B – Notifications**
- **C – Presentation Slides**
- **D – Brochure**
- **E – Meeting agenda**
- **F – Display Materials**
- **G – Written Comment**

END OF SUMMARY

*This summary was prepared by Paula Ramirez and Nikki Doyle, and are provided as a summary (not verbatim) for use by the project team. The comments do not reflect FDOT's concurrence. Please review and send comments, via e-mail: [ndoyle@vhb.com](mailto:ndoyle@vhb.com) so they can be finalized for the files.*



## **ATTACHMENT A: SIGN-IN SHEETS**



**SR 406 and US 1 Corridor Planning Studies, and the Coast-to-Coast Titusville Connector Study by FDOT**

FM Nos. 435627-1-12-01 (US 1), 436187-1-12-01 (SR 406), and 436187-1-12-02 (C2C)

February 25, 2016

5:30 pm – 7:30 pm

City of Titusville – Council Chambers, 2<sup>nd</sup> Floor

**Public Alternatives Meeting**

NAME	Representing (check all that apply)				E-MAIL ADDRESS
Michael Myrick	<input checked="" type="checkbox"/> Resident	<input checked="" type="checkbox"/> Business	<input type="checkbox"/> Public Official	<input type="checkbox"/> Other	Myrick@yahoo.com
Camron M.	<input checked="" type="checkbox"/> Resident	<input type="checkbox"/> Business	<input type="checkbox"/> Public Official	<input type="checkbox"/> Other	
Todd St Louis	<input type="checkbox"/> Resident	<input type="checkbox"/> Business	<input checked="" type="checkbox"/> Public Official	<input type="checkbox"/> Other	Todd.StLouis1@gmail.com
James Robare	<input checked="" type="checkbox"/> Resident	<input type="checkbox"/> Business	<input type="checkbox"/> Public Official	<input type="checkbox"/> Other	J-Robare@yahoo.com
Jovina M. Stoenaka	<input checked="" type="checkbox"/> Resident	<input type="checkbox"/> Business	<input type="checkbox"/> Public Official	<input type="checkbox"/> Other	javina3@comcast.net
Terry Rosenberger	<input checked="" type="checkbox"/> Resident	<input type="checkbox"/> Business	<input type="checkbox"/> Public Official	<input type="checkbox"/> Other	youzgardon@aol.com
Edwiel McCall	<input type="checkbox"/> Resident	<input type="checkbox"/> Business	<input checked="" type="checkbox"/> Public Official	<input type="checkbox"/> Other	edwiel.mccall@titusville.com
HELEN RILEY	<input checked="" type="checkbox"/> Resident	<input type="checkbox"/> Business	<input type="checkbox"/> Public Official	<input type="checkbox"/> Other	RILEY9358@AOL.COM
Bebera Fine	<input checked="" type="checkbox"/> Resident	<input type="checkbox"/> Business	<input type="checkbox"/> Public Official	<input type="checkbox"/> Other	FINEBF2015LC@gmail.com
Deborah Lee	<input checked="" type="checkbox"/> Resident	<input checked="" type="checkbox"/> Business	<input type="checkbox"/> Public Official	<input type="checkbox"/> Other	
Scott Lawrence	<input type="checkbox"/> Resident	<input type="checkbox"/> Business	<input type="checkbox"/> Public Official	<input type="checkbox"/> Other	scott.lawrence@titusville.com
Doni Hundley	<input checked="" type="checkbox"/> Resident	<input type="checkbox"/> Business	<input type="checkbox"/> Public Official	<input type="checkbox"/> Other	LAHUND@yahoo.com
ERIN STEPH	<input type="checkbox"/> Resident	<input type="checkbox"/> Business	<input checked="" type="checkbox"/> Public Official	<input type="checkbox"/> Other	erin.steph@brevardcounty.us



**SR 406 and US 1 Corridor Planning Studies, and the Coast-to-Coast Titusville Connector Study by FDOT**

FM Nos. 435627-1-12-01 (US 1), 436187-1-12-01 (SR 406), and 436187-1-12-02 (C2C)

February 25, 2016

5:30 pm – 7:30 pm

City of Titusville – City Hall | Council Chambers, 2nd Floor

**Public Alternatives Meeting**

NAME	Representing (check all that apply)					E-MAIL ADDRESS
TIM FORD	Resident	Business	<input checked="" type="checkbox"/> Public Official	Other		timothy.ford@titusville.com
<i>Clear Starnum</i>	Resident	Business	Public Official	<input checked="" type="checkbox"/> Other		
<i>Alex Clear Starnum</i>	<input checked="" type="checkbox"/> Resident	Business	Public Official	Other		<i>alexclear@earthlink.net</i>
Amber Ferland	Resident	Business	Public Official	<input checked="" type="checkbox"/> Other		
	Resident	Business	Public Official	<input checked="" type="checkbox"/> Other		
Eddy Gelinado	Resident	Business	Public Official	<input checked="" type="checkbox"/> Other		<i>eddy.gelinado@Titusville.com</i>
USA Nossari	<input checked="" type="checkbox"/> Resident	<input checked="" type="checkbox"/> Business	Public Official	Other		
ROBERT McCondlless	Resident	Business	Public Official	Other		<i>FBC Titusville@gmail.com</i>
<i>Jane Ho do an</i>	<input checked="" type="checkbox"/> Resident	Business	Public Official	Other		
JIM TURLEY	Resident	Business	<input checked="" type="checkbox"/> Public Official	Other		<i>mayor@titusville.com</i>
Kurt Garber	Resident	Business	Public Official	<input checked="" type="checkbox"/> Other		<i>Kgarber@matee-hubert.com</i>
Steve Olson	Resident	Business	<input checked="" type="checkbox"/> Public Official	Other		
Barbara Ziegler	<input checked="" type="checkbox"/> Resident	Business	Public Official	Other		
Pete & Debbie Petyk	<input checked="" type="checkbox"/> Resident	Business	Public Official	Other		



**SR 406 and US 1 Corridor Planning Studies, and the Coast-to-Coast Titusville Connector Study by FDOT**

FM Nos. 435627-1-12-01 (US 1), 436187-1-12-01 (SR 406), and 436187-1-12-02 (C2C)  
 February 25, 2016

5:30 pm – 7:30 pm

City of Titusville – City Hall | Council Chambers, 2nd Floor

**Public Alternatives Meeting**

NAME	Representing (check all that apply)				E-MAIL ADDRESS
Leigh Holt	Resident	Business	Public Official	Other	leigh.holt@brevardcounty.us
Bill Young	Resident	Business	Public Official	Other	FL_Young@brevardcounty.us
Emmett Larson	Resident	Business	Public Official	Other	larson.emmett@gmail.com
THOMAS ALTRIF	Resident	Business	Public Official	Other	
Eric Kirby	Resident	Business	Public Official	Other	emose.kirby@gmail.com
Debbie Sauder	Resident	Business	Public Official	Other	soldfor@soldfor.com
Mo Hassan	Resident	Business	Public Official	Other	mo.hassan@daf.state.fl.us
	Resident	Business	Public Official	Other	
	Resident	Business	Public Official	Other	
	Resident	Business	Public Official	Other	
	Resident	Business	Public Official	Other	
	Resident	Business	Public Official	Other	

## **ATTACHMENT B: NOTIFICATIONS**

A Daily Publication By:



VANAASSE HANGEN BRUSTLIN, INC  
225 EAST ROBINSON STREET, SUITE 300  
ORLANDO FL 32801

STATE OF FLORIDA COUNTY OF BREVARD:

Before the undersigned authority personally appeared **Kim Curro**, who on oath says that he or she is a Legal Advertising Representative of the **FLORIDA TODAY**, a daily newspaper published in Brevard County, Florida that the attached copy of advertisement, being a Legal Ad in the matter of

**Legal Notices**

as published in **FLORIDA TODAY** in the issue(s) of:

01/31/16, 02/15/16

Affiant further says that the said **FLORIDA TODAY** is a newspaper in said Brevard County, Florida and that the said newspaper has heretofore been continuously published in said Brevard County, Florida each day and has been entered as periodicals matter at the post office in **MELBOURNE** in said Brevard County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he or she has never paid nor promised any person, firm or coporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and Subscribed before me this 1th of February 2016, by Kim Curro who is personally known to me

*[Signature]*  
Linette Sanchez  
Notary Public for the State of Florida  
My Commission expires January 28, 2017

Publication Cost: \$531.28  
Ad No: 0001005692  
Customer No: 4079824491VANA

AD#1005692 1/31, 2/15/2016

**LEGAL NOTICE**  
PUBLIC ALTERNATIVES MEETING US 1 and State Road (SR) 406 CORRIDOR PLANNING STUDIES and the Coast-to-Coast Connector Study Financial Project No. 435627-1-12-01 (US 1); 436187-1-12-01 (SR 406); 436187-1-12-02 (C2C)  
Date: Thursday, February 25, 2016  
Time: 5:30 p.m. to 7:30 p.m.  
Presentation: 6:00 p.m.  
Place: City of Titusville City Hall, Council Chambers, 555 South Washington Avenue, Titusville, Florida 32796

The Florida Department of Transportation (FDOT) is conducting two corridor planning studies for US 1 and State Road (SR) 406 and the Coast-to-Coast Titusville Connector Study. The purpose of this public meeting is to present and explain the potential improvement strategies seek public and agency input, and provide interested persons an opportunity to provide feedback and comments to the study team.

This is the second public meeting to be held as part of a community-based evaluation to determine how best to meet the needs of the traveling public. FDOT encourages you to attend and provide input and ideas for US 1, SR 406 and the Coast-to-Coast Titusville Corridor Study to be considered in the resulting corridor recommendations.

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting Jennifer Smith, FDOT District Five Title VI Coordinator by phone at (386) 943-5367, or via email at Jennifer.Smith2@dot.state.fl.us.

Persons who require special accommodations under the Americans with Disabilities Act or persons who require translation services (free of charge) should contact Melissa Gross, Vanasse Hangen Brustlin, Inc. at 407-839-4006 or via email at mgross@vhb.com at least seven days prior to the meeting. If you are hearing or speech impaired, please contact us by using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (Voice).

If you have any questions regarding the project or meeting, please contact: Judy Pizzo, MS, GISP, FDOT Planning Project Manager, Intermodal Systems Development, FDOT District 5, 719 South Woodland Boulevard, DeLand, FL 32720, Phone 386-943-5167, Email: Judy.Pizzo@dot.state.fl.us





## *Florida Department of Transportation*

RICK SCOTT  
GOVERNOR

719 S. Woodland Boulevard  
DeLand, FL 32720-6834

JIM BOXOLD  
SECRETARY

March 15, 2016

RE: **US 1 and State Road 406 Corridor Planning Studies, and the Coast-to-Coast Titusville Connector Study**  
Brevard County  
Financial Project ID: 435627-1-12-01 (US 1); 436187-1-12-01 (SR 406); 436187-1-12-02 (C2C)

Dear Government Leader:

On behalf of the Florida Department of Transportation (FDOT), I invite you to attend a public alternatives meeting to talk about two corridor planning studies: the first is along US 1 and State Road 406, and the second is the Coast-to-Coast Titusville Connector Study. The purpose of this public meeting is to present and explain the potential improvement strategies, seek public and agencies input, and provide interested persons an opportunity to provide feedback and comments to the study team. This is the second public meeting for this purpose.

The public alternatives meeting will be Thursday, February 25, 2016 at Titusville City Hall in the Council Chambers at 555 South Washington St., Titusville, Florida 32796. The meeting will be 5:30-7:30 p.m. and begins as an open house. There will be a presentation at 6 p.m. Staff members will be available to discuss the studies and answer any questions. Participants may also provide public comments at any time during the meeting. Written comments may also be submitted at this meeting. If submitted by mail, please send your comments no later than March 7, 2016 to Melissa Gross, Vanasse Hangen Brustlin, Inc., 225 East Robinson Street, Suite 300, Orlando, FL, 32801.

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting Jennifer Smith, FDOT District Five Title VI Coordinator by phone at 386-943-5367, or via email at [Jennifer.Smith2@dot.state.fl.us](mailto:Jennifer.Smith2@dot.state.fl.us).

Persons who require special accommodations under the Americans with Disabilities Act or persons who require translation services (free of charge) should contact Melissa Gross, Vanasse Hangen Brustlin, Inc. at 407-839-4006 or via email at [mgross@vhb.com](mailto:mgross@vhb.com) at least seven days prior to the meeting. If you are hearing or speech impaired, please contact us by using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (Voice).

For more information contact Judy Pizzo, MS, GISP, FDOT Planning Project Manager at [Judy.Pizzo@dot.state.fl.us](mailto:Judy.Pizzo@dot.state.fl.us). Media inquiries should be directed to Steve Olson, Public Information Manager, 386-943-5479, or [Steve.Olson@dot.state.fl.us](mailto:Steve.Olson@dot.state.fl.us).

Sincerely,

Noranne Downs, P.E.  
FDOT District Five Secretary

Attachment- Project/Meeting Location Map



January 12, 2016

Steve Olson, (386) 943-5479

[Steve.Olson@dot.state.fl.us](mailto:Steve.Olson@dot.state.fl.us)

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## **FDOT hosts meeting to talk about future of the US 1 and SR 406 corridors and the Coast-to-Coast Titusville Connector Study**

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**Brevard County** - The Florida Department of Transportation (FDOT) will have a public alternatives meeting regarding two corridor planning studies along US 1 and State Road (SR) 406 and the Coast-to-Coast Titusville Connector Study in Brevard County.

The purpose of the studies is to open the discussion about the corridor's growth and its future use. The planning study involves potential corridor improvement concepts and strategies to support a multimodal approach to providing for future transportation needs.

The meeting will be at 5:30 p.m. Thursday, February 25, at the City of Titusville City Hall in the Council Chambers at 555 South Washington Avenue, Titusville, Florida 32796. There will be a presentation at 6:00 p.m.

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting Jennifer Smith, FDOT District Five Title VI Coordinator by phone at (386) 943-5367, or via email at [Jennifer.Smith2@dot.state.fl.us](mailto:Jennifer.Smith2@dot.state.fl.us). Persons who require special accommodations under the Americans with Disabilities Act or persons who require translation services (free of charge) should contact Melissa Gross, Vanasse Hangen Brustlin, Inc. at 407-839-4006 or via email at [mgross@vhb.com](mailto:mgross@vhb.com) at least seven days prior to the meeting. If you are hearing or speech impaired, please contact us by using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (Voice).

**Celebrating 100 Years of Innovation, Mobility and Economic Development**

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[www.dot.state.fl.us/agencyresources/anniversary/](http://www.dot.state.fl.us/agencyresources/anniversary/)

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## *Florida Department of Transportation*

RICK SCOTT  
GOVERNOR

719 S. Woodland Boulevard  
DeLand, FL 32720-6834

JIM BOXOLD  
SECRETARY

March 15, 2016

RE: **US 1 and State Road 406 Corridor Planning Studies, and the Coast-to-Coast Titusville Connector Study**

Brevard County

Financial Project ID: 435627-1-12-01 (US 1); 436187-1-12-01 (SR 406); 436187-1-12-02 (C2C)

Dear Government Leader:

On behalf of the Florida Department of Transportation (FDOT), I invite you to attend a public alternatives meeting to talk about two corridor planning studies: the first is along US 1 and State Road 406, and the second is the Coast-to-Coast Titusville Connector Study. The purpose of this public meeting is to present and explain the potential improvement strategies, seek public and agencies input, and provide interested persons an opportunity to provide feedback and comments to the study team. This is the second public meeting for this purpose.

The public alternatives meeting will be Thursday, February 25, 2016 at Titusville City Hall in the Council Chambers at 555 South Washington St., Titusville, Florida 32796. The meeting will be 5:30-7:30 p.m. and begins as an open house. There will be a presentation at 6 p.m. Staff members will be available to discuss the studies and answer any questions. Participants may also provide public comments at any time during the meeting. Written comments may also be submitted at this meeting. If submitted by mail, please send your comments no later than March 7, 2016 to Melissa Gross, Vanasse Hangen Brustlin, Inc., 225 East Robinson Street, Suite 300, Orlando, FL, 32801.

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting Jennifer Smith, FDOT District Five Title VI Coordinator by phone at 386-943-5367, or via email at [Jennifer.Smith2@dot.state.fl.us](mailto:Jennifer.Smith2@dot.state.fl.us).

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For more information contact Judy Pizzo, MS, GISP, FDOT Planning Project Manager at [Judy.Pizzo@dot.state.fl.us](mailto:Judy.Pizzo@dot.state.fl.us). Media inquiries should be directed to Steve Olson, Public Information Manager, 386-943-5479, or [Steve.Olson@dot.state.fl.us](mailto:Steve.Olson@dot.state.fl.us).

Sincerely,

Judy Pizzo, MS, GISP  
FDOT Planning Project Manager

Attachment- Project/Meeting Location Map



Invoice

2441 Orlando Central Pkwy  
 Orlando FL 32809  
 407.855.9277 Fax 407.855.8807  
 www.actionmailservices.com

DATE	INVOICE #
2/1/2016	9056662

VHB  
 Attn: Paula Ramirez  
 225 E. Robinson St., #300  
 Orlando, FL 32801

P.O. NO.	TERMS
	Due On Receipt

QUANTITY	DESCRIPTION	RATE	AMOUNT
	SR 406 Postcard		
	Data Conversion From Client's Word File, Address Hygiene, Zip+4 Updating, CASS Certification Addressing w/ Bar Coding 4 Color Printing - Postcards, Duplex Presorting, Traying & Tagging USPS Permits	355.00	355.00
2,462	U.S. Postage. First Class 1/29	0.26263 6.50%	646.60 23.08
Action Mail Services, Inc 2441 Orlando Central Pkwy Orlando, FL 32809  VENDOR # _____ VOUCHER # _____ JOB # <u>02572.05</u> ACCT: _____ APPROVAL: <u>Neli B. [Signature]</u>			
WE APPRECIATE YOUR BUSINESS !!		<b>Total</b>	\$1,024.68



Florida Department of Transportation  
 District 5  
 719 S. Woodland Boulevard  
 DeLand, FL 32720



SR 406

US 1

Coast-to-Coast



You are invited...

Please visit our project websites at: [www.cfroads.com](http://www.cfroads.com)



Florida Department of Transportation  
 District 5  
 719 S. Woodland Boulevard  
 DeLand, FL 32720



SR 406

US 1

Coast-to-Coast



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SR 406

US 1

Coast-to-Coast



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Florida Department of Transportation  
 District 5  
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 DeLand, FL 32720



SR 406

US 1

Coast-to-Coast



You are invited...

Please visit our project websites at: [www.cfroads.com](http://www.cfroads.com)

You are invited to attend a Public Alternatives meeting for the US 1 and State Road (SR) 406 (Garden Street) Corridor Planning Studies and the Coast-to-Coast Titusville Connector Study. The purpose of this public meeting is to present and explain the potential improvement strategies, provide feedback and comments to the study team, seek public and agencies input, and provide interested persons an opportunity to get involved in the studies. This is the second public meeting to be held as part of a community-based evaluation to determine how best to meet the needs of the traveling public. The meeting will begin as an open house at 5:30 p.m. with a presentation at 6:00 p.m., and will conclude at 7:30 p.m.



## Public Meeting Announcement

February 25, 2016  
5:30 p.m. to 7:30 p.m.

### City of Titusville Council Chambers

555 S. Washington Ave.  
Titusville, FL 32796

Public Participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting Jennifer Smith, FDOT District Five Title VI Coordinator by phone at (386) 943-5367, or via email at [Jennifer.Smith2@dot.state.fl.us](mailto:Jennifer.Smith2@dot.state.fl.us). Persons who require special accommodations under the Americans with Disabilities Act or persons who require translation services, free of charge, should contact Melissa Gross, Vanasse Hangen Brustlin, Inc. at (407) 839-4006 or by email to [mgross@vhb.com](mailto:mgross@vhb.com) at least seven days prior to the meeting. If you are hearing or speech impaired, please contact us using the Florida Relay Service 1 (800) 955-8771 (TDD) or 1 (800) 955-8770 (Voice).

For more information, please contact Judy Pizzo, MS, GISP, FDOT Project Manager at (386) 943-5167 or by email to [judy.pizzo@dot.state.fl.us](mailto:judy.pizzo@dot.state.fl.us).



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**NOTICE OF MEETING:**

The Florida Department of Transportation (FDOT) announces a public alternatives meeting to which all persons are invited.

**DATE:** Thursday; February 25, 2016

**OPEN HOUSE:** 5:30 p.m. to 7:30 p.m.

**PRESENTATION:** 6:00 p.m.

**PLACE:**

City of Titusville City Hall  
Council Chambers  
555 South Washington Avenue  
Titusville, FL 32796

**GENERAL SUBJECT MATTER TO BE CONSIDERED:**

Financial Management No.: 435627-1-12-01 (US 1); 436187-1-12-01 (SR 406); 436187-1-12-02 (C2C)  
Project Description: Corridor planning studies- US 1 and State Road (SR) 406, and the Coast-to-Coast Titusville Connector Study

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A copy of the agenda may be obtained by contacting: Judy Pizzo, MS, GISP, Planning Project Manager for FDOT at 719 S. Woodland Boulevard, DeLand, FL 32720 or by phone at 386-943-5167 or via email at [Judy.Pizzo@dot.state.fl.us](mailto:Judy.Pizzo@dot.state.fl.us).

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## **ATTACHMENT C: PRESENTATION SLIDES**



# Public Alternatives Meeting



February 25, 2016



# Title VI and Related Statutes

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# Meeting Agenda

- Introduction
  - What is a Corridor Planning Study?
  - Where are we in the study?
  - How can you get involved?
- US 1 Focus Session
  - Goals and Objectives
  - Spot Improvements
- State Road (SR 406) Focus Session
  - Goals and Objectives
  - Corridor Improvements
  - Spot Improvements

- Coast to Coast Trail Gap
  - Background & Local Context
  - Conceptual Layout
- Question & Answer

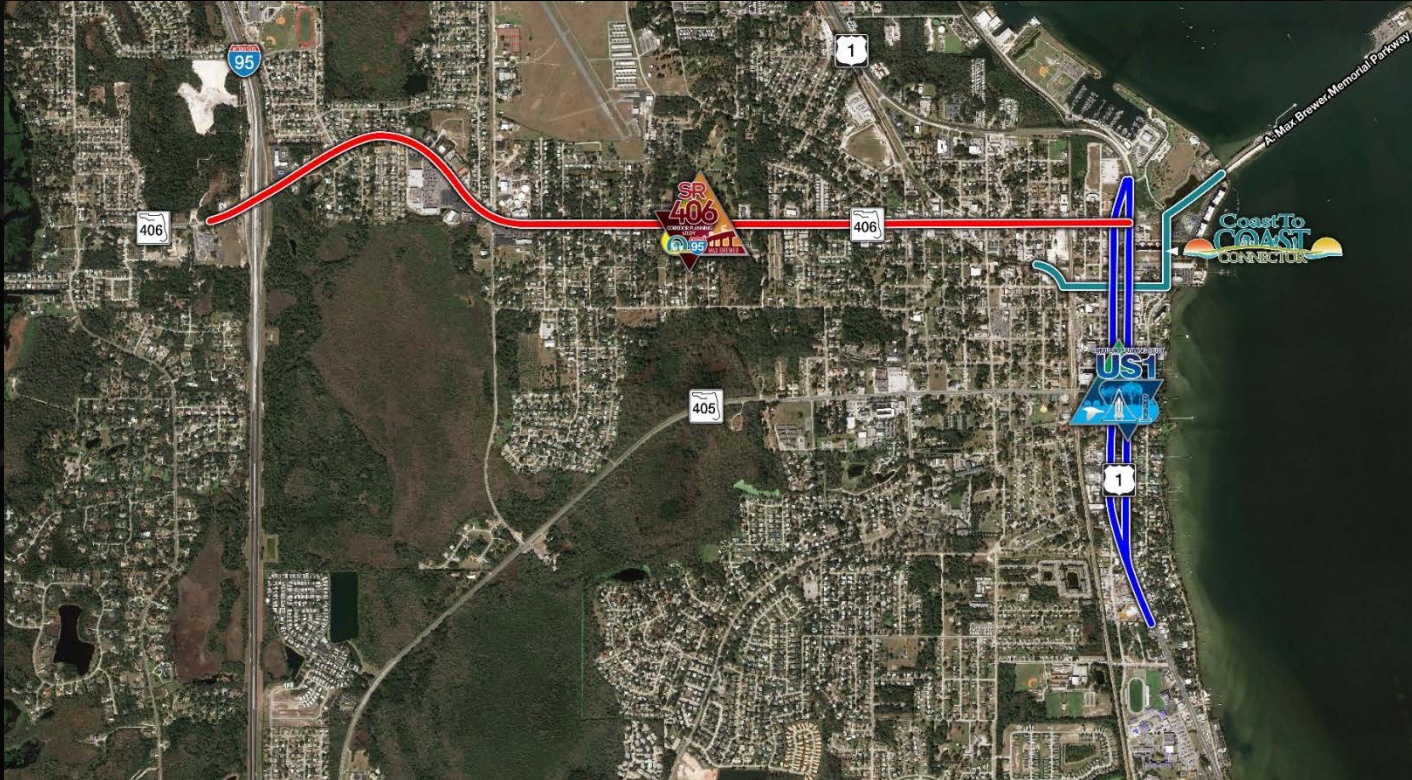


Public Alternatives Meeting



# Regional Context

- SR 406 Corridor Planning Study
- US 1 Corridor Planning Study
- Coast-to-Coast Titusville Connector Study



# Corridor Planning Study Process

## Define the problem

- Stakeholder outreach
- Collect data
- Identify issues & opportunities

## Define the purpose and need

- Stakeholder & public outreach
- Future needs assessment
- Define guiding principles, purpose and need, and measures of success

## Define and select alternatives

- Stakeholder & public outreach
- Alternatives brain storming & compare
- Select alternatives and determine next phase
- Identify funding options

## Study Outcome

Establish future vision and viable improvement strategies.



# Purpose of the Studies

Projects requested by the City of Titusville to coordinate the development of a future vision for US 1, SR 406, and Coast-to-Coast Titusville Gap that establishes a **multimodal approach** for providing future transportation needs.

Community-based evaluation to determine how best to meet the **needs of current and future users**.

Establish a long-term plan to guide evolution of the corridors that appropriately correlates the **balance between land use and transportation planning**.



# Next Steps - Project Development Process

Up to 6 Years

**Concept  
Development**

**Design**

**Right-of-Way  
(if needed)**

**Construction**

**Timing is dependent on available funding.**

# Public Involvement Process



- Early and continuous involvement
- Provide multiple opportunities
- Timely information and communication
  - Newspaper ads
  - Property owner notices
  - Media releases
  - Social media
  - E-mail blasts
- Broad range of outreach techniques
  - Stakeholder meetings
  - Project Visioning Team
  - Public meetings
    - Public Kick-off
    - Alternatives Development
  - Project Website
    - [www.cflroads.com](http://www.cflroads.com)

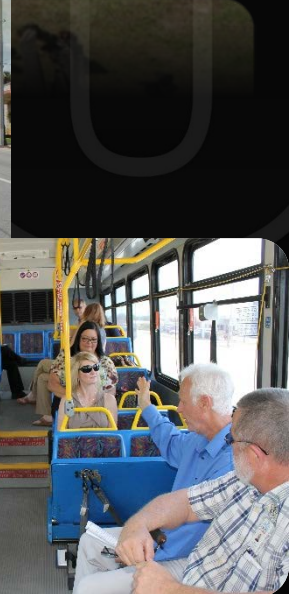


## Public Alternatives Meeting



# Public Involvement Recap

- Agency Kick-off Meeting
  - January 28, 2015
- Project Visioning Team Meetings
  - April 13, 2015 (US 1)
  - May 13, 2015 (SR 406)
  - October 6, 2015 (US 1 & SR 406)
- Field Review
  - April 13, 2015 (US 1)
  - May 13, 2015 (SR 406)
- Small Group Meetings
  - Titusville Merchants Association
    - June 3, 2015
- Public Kickoff Meeting
  - July 29, 2015



Public Alternatives Meeting





# Your input matters!

- Engage in conversation with project team tonight
- **Fill out a comment form**
  - Drop in comment box
  - Mail to:

**Judy Pizzo, MS, GISP**  
**Florida Department of Transportation**  
**719 S Woodland Boulevard**  
**DeLand, Florida 32720**  
**Judy.pizzo@dot.state.fl.us**

Comment Form

**Comment Form**

US 1 & SR 406 Corridor Planning Studies and the Coast-to-Coast Titusville Connector Study

Public Alternatives Meeting  
February 25, 2016

Your comments are important! Please use the space below to express your input about this project.

My comment is regarding (check all that apply):  
 US 1 Corridor Planning Study  
 SR 406 Corridor Planning Study  
 Coast-to-Coast Titusville Gap Connector

\_\_\_\_\_

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Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_  
Email: \_\_\_\_\_  
Phone: \_\_\_\_\_

Please complete and place this form in the "Comments" box or mail before March 7, 2016 to:  
  
Judy Pizzo  
FDOT Project Manager  
719 S. Woodland Boulevard  
DeLand, Florida 32720



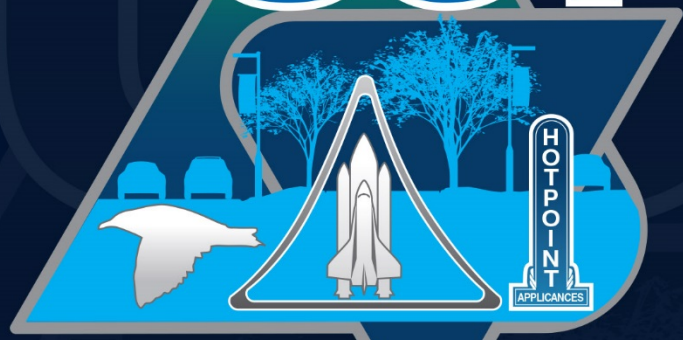
Public Alternatives Meeting



CORRIDOR PLANNING STUDY

CORRIDOR PLANNING STUDY

US1

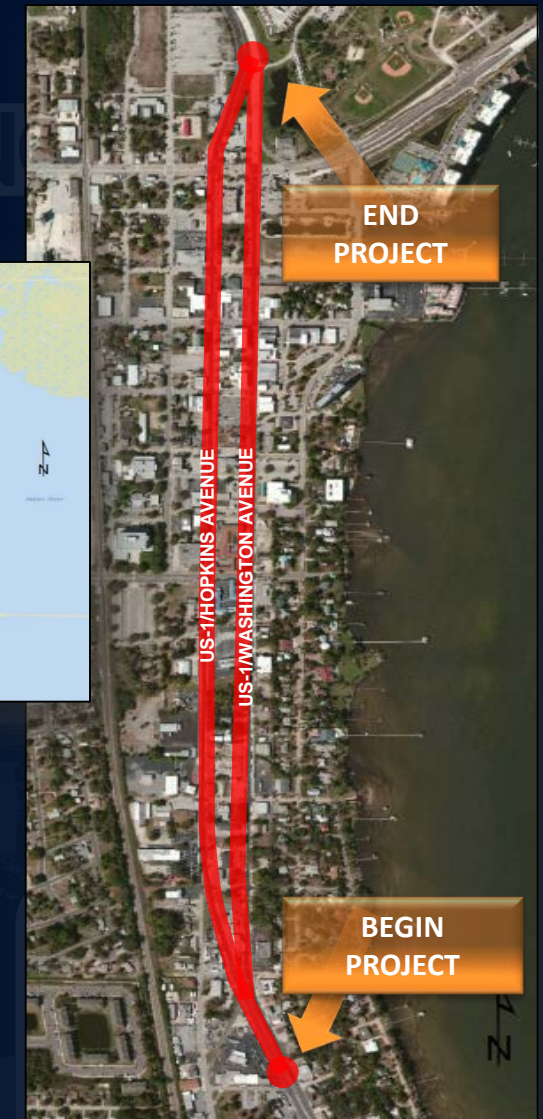


# US 1 Focus Session

FM #: 435627-1-12-01

# Study Area

- Laurel Place to Indian River Avenue
- 1.25 miles
- Urbanized, four-lane bidirectional (from Laurel Place to Grace Street) and two-lane, one-way pair segment (from Grace Street to Indian River Avenue)
- One-way pair section through historic downtown Titusville



# Goals & Objectives

Guiding Principles	Goals & Objectives
Safety	Provide better pedestrian / vehicle separation
	Improve pedestrian crossings
Pedestrian Mobility	Improve midblock crossing technology
	Provide bicycle facilities
Economic Development	Support community atmosphere
Transit	Provide improved bus stop facilities
	Provide for bicycle use

# Summary of Stakeholder Input

Desired improvement elements include the following:

- Crosswalks
  - Draw more attention to pedestrian crosswalks
  - Provide consistent crosswalks between one-way pairs
- Grace Street
  - Improve intersection for safety
- Signage
  - Reduce signage for pedestrian visibility



# Potential US 1 Improvement Strategies

- Crosswalk Enhancements
- Pavement Markings
- Grace Street Intersection Improvements
  - Roundabout



# US 1 Spot Improvement: Downtown Gateway Roundabout & Benefits

- Gateway feature for City of Titusville
- Will promote slower speeds entering downtown




# US 1 Spot Improvement: Crosswalk Consistency



## Legend

 Proposed Crosswalk Location

 Coast to Coast Trail

 Signalized Intersection

- Consistent pedestrian crosswalk treatments on side streets
- Continuous crosswalk locations across one-way pairs





# SR 406 Focus Session

FM #: 436187-1-12-01

# Study Area

- North Area Adult Educations Center (South Lake Elementary School) to US 1 (SR 5)
- 2.87 miles
- Urban character, four-lane divided section
- Primarily residential and commercial development
- Astronaut High School located off of Clarewood Boulevard



# Goals & Objectives

Guiding Principles	Goals & Objectives
<p><b>Safety</b></p>	Provide better pedestrian / vehicle separation
	Improve pedestrian crossings
	Assess ADA compliance / Identify needs
<p><b>Bike / Pedestrian Mobility</b></p>	Enhance pedestrian facilities
	Provide bicycle facilities
	Leverage planned trail facilities
<p><b>Design Consistency</b></p>	Provide consistent typical sections
	Provide access management conformity
<p><b>Aesthetics</b></p>	Identify opportunity for improved planning (aesthetic features and maintenance)
	Gain consensus on corridor branding
<p><b>Transit</b></p>	Provide improved bus stop facilities
	Provide for bicycle use

# Summary of Stakeholder's Input

Desired improvement elements include the following:

- Bike lanes with a connection to planned overpass
- Wider sidewalks
- Removal of the traffic signal at Palm Ave
- Avoid Right-of-Way impacts
- Maintain evacuation route
- Improved access management
  - Median opening design
  - Access points



# SR 406 Planned Improvements

- East Coast Regional Rail Trail Pedestrian Overpass (Under Construction)
- SR 406 at Singleton Avenue Intersection Improvements (Construction begins in early 2016)
- Resurfacing Project on SR 406 from Petty Circle to US 1 Northbound (Construction in 2018)



# SR 406 Existing Traffic



AADTs:

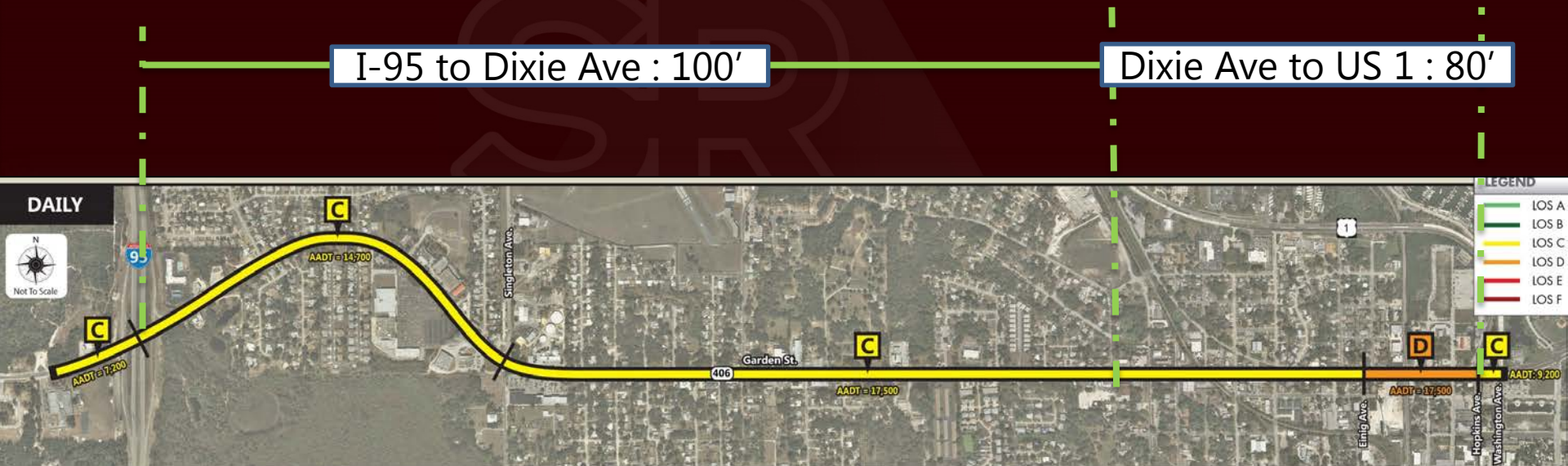
North Area Adults Education Center – I-95: 6,203

I-95 – Singleton Avenue: 12,606

Singleton Avenue – Hopkins Avenue: 15,148

Hopkins Avenue – Washington Avenue: 8,004

# Projected 2040 Traffic & R/W Constraints



## AADTs:

North Area Adults Education Center – I-95: 7,200  
I-95 – Singleton Avenue: 14,700  
Singleton Avenue – Hopkins Avenue: 17,500  
Hopkins Avenue – Washington Avenue: 9,200

## LOS Capacity:

I-95 to Einig Ave: 39,800  
Einig to US 1: 32,400

**\*Future Traffic Volumes are between 20% and 55% of the Roadway Capacity**

# Proposed SR 406 Improvement Strategies

## Corridor Improvements:

- Addition of Bike Lanes
- Road Diet

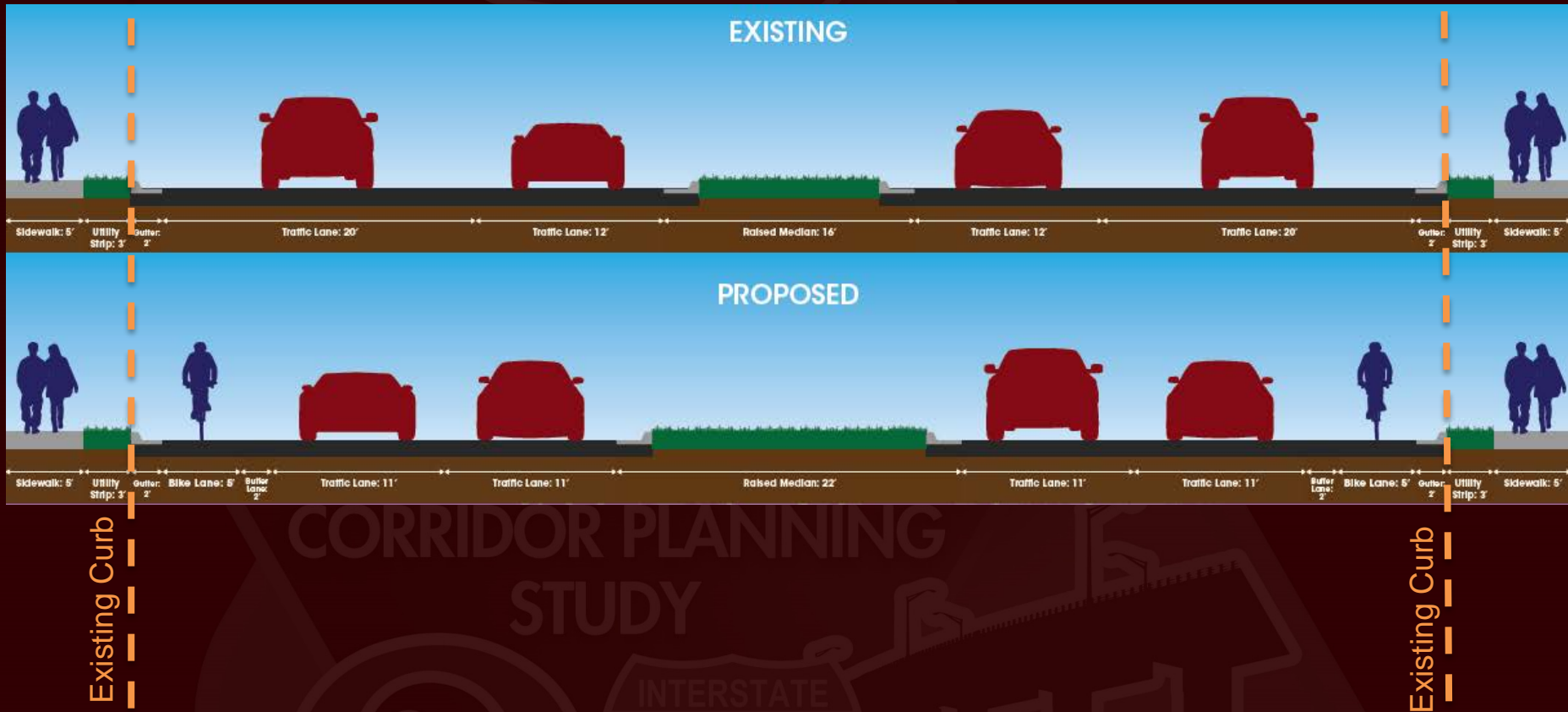
## Spot Improvements:

- Singleton Avenue Roundabout
- Removal of Palm Ave Signal
- SR 406/US 1 Roundabout





# Corridor Improvements: I-95 to Singleton Avenue



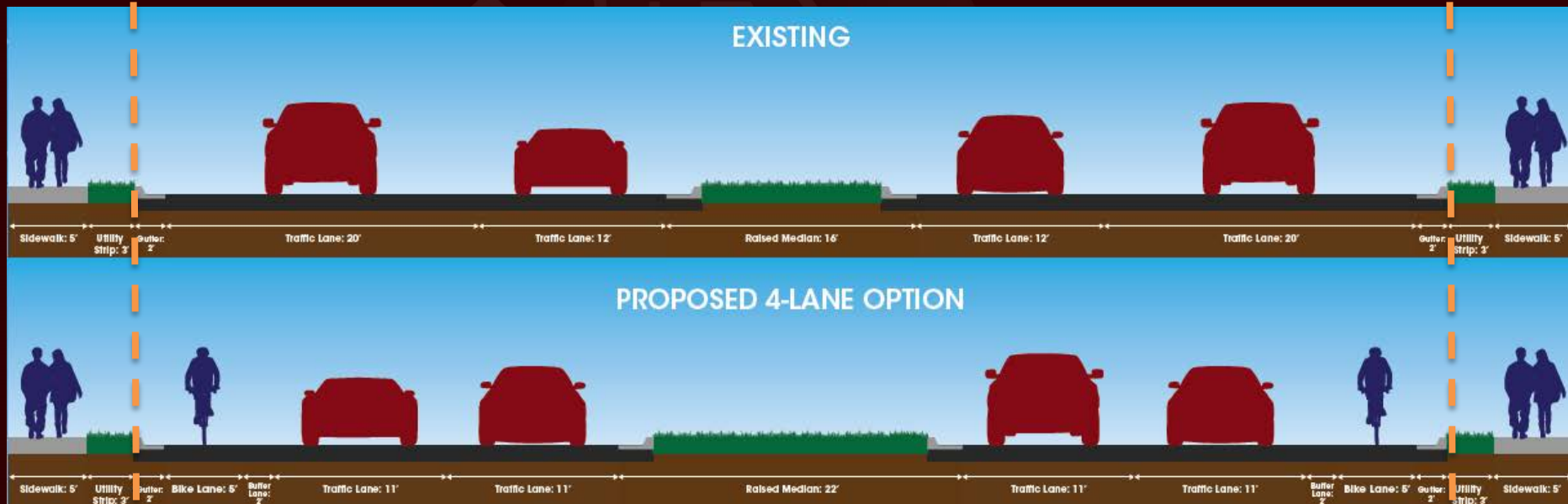
# SR 406 Spot Improvements: Singleton Ave

## Roundabout

- Approximate Right-of-Way needed: 600 square feet
- 2040 PM Future Conditions Delay / LOS
  - No-Build: 29.9 / C
  - Roundabout: 15.5 / C
- Can be utilized as a gateway feature into the City of Titusville
- Approximate Cost: \$1.8 million (R/W, Design, Construction)



# Corridor Improvements: Singleton Avenue to Dixie Avenue



Existing Curb

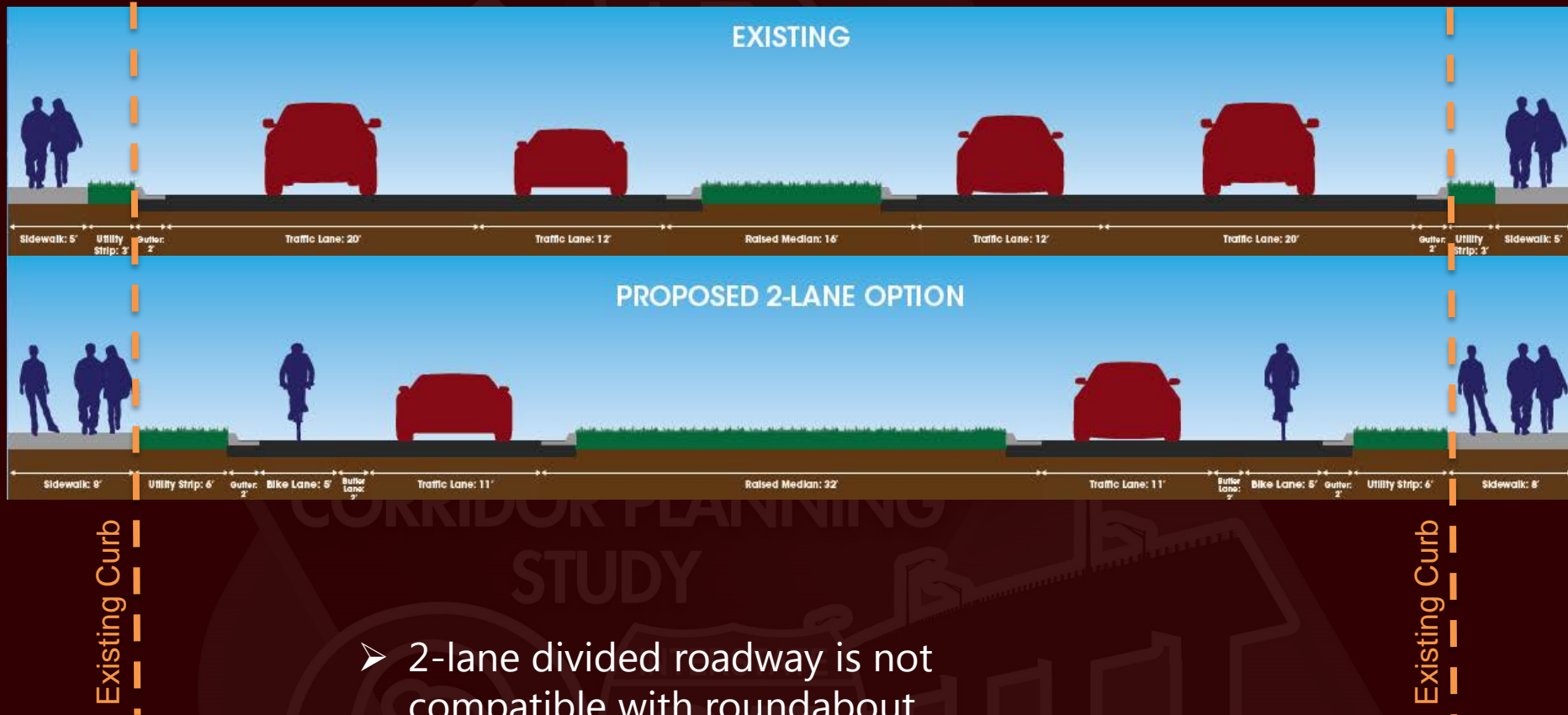
Existing Curb



## Public Alternatives Meeting



# Corridor Improvements: Singleton Avenue to Dixie Avenue (Road Diet)



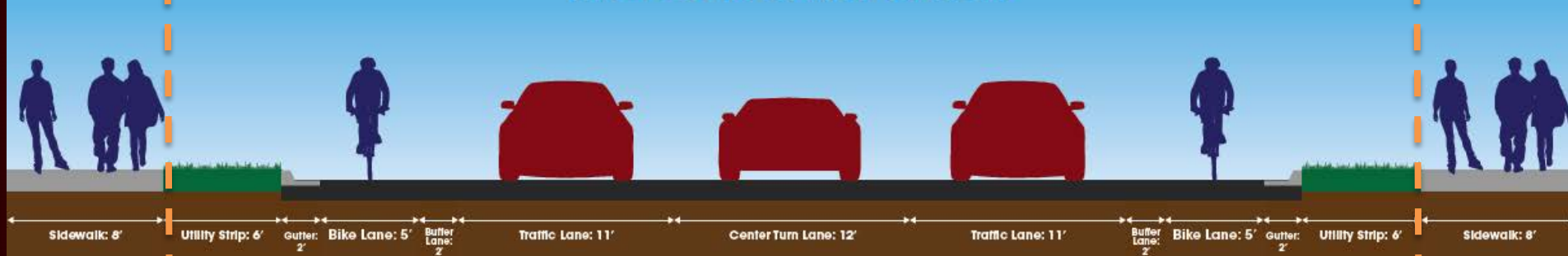
- 2-lane divided roadway is not compatible with roundabout

# Corridor Improvements: Dixie Ave to US 1 (Road Diet)

## EXISTING



## PROPOSED 3-LANE OPTION



Existing Curb

Existing Curb



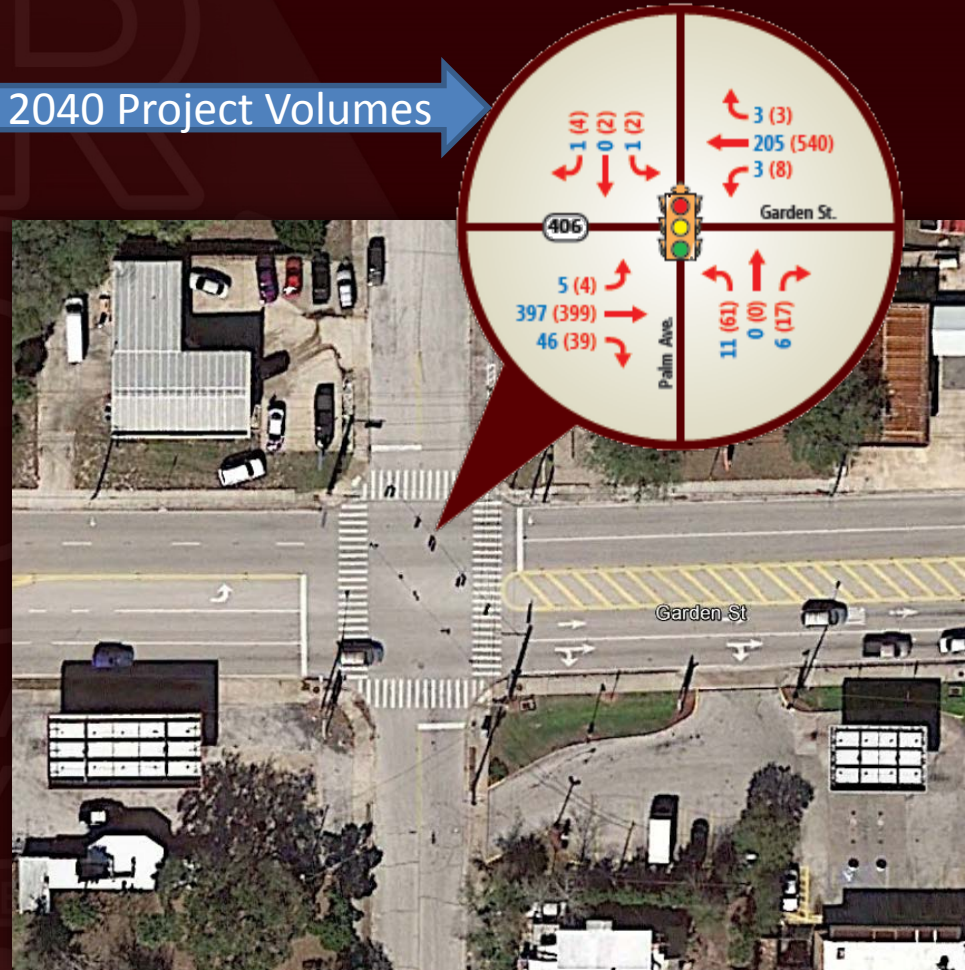
### Public Alternatives Meeting



# SR 406 Spot Improvements: Palm Avenue Signal Removal

- Signal not warranted
- Does not meet spacing standards with Hopkins Ave signal
- Poor signal coordination with US 1 observed

2040 Project Volumes



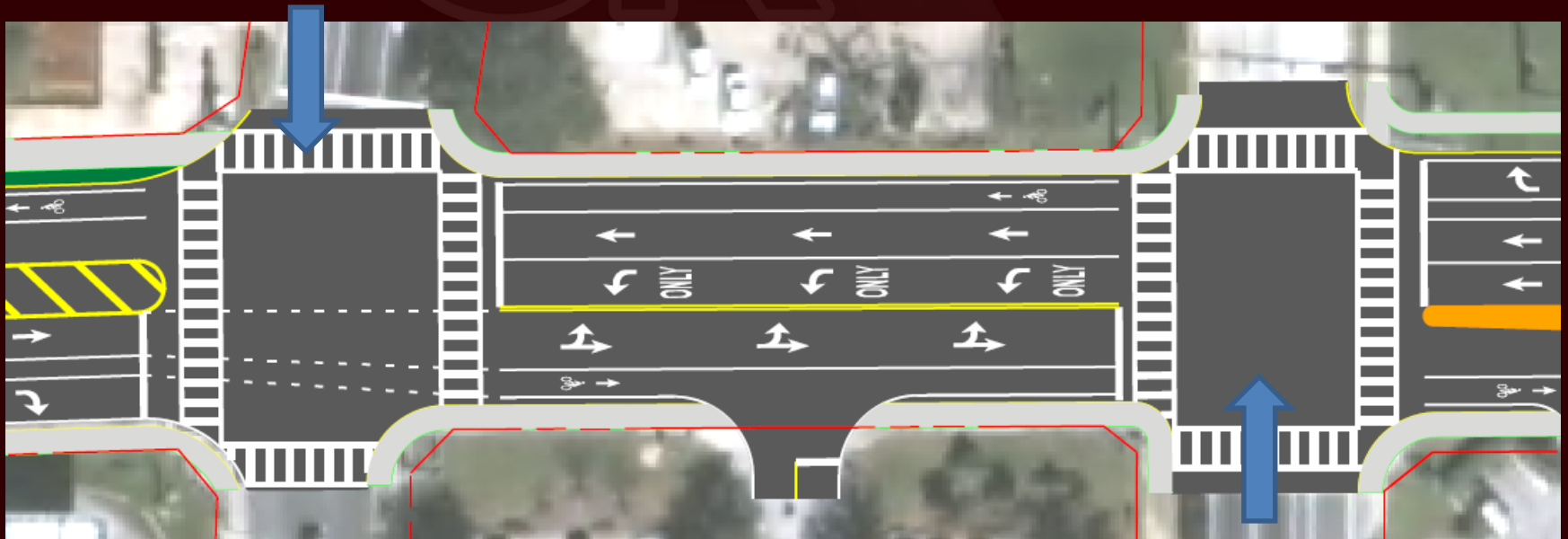
# East End Corridor Improvements: Lemon Avenue to Max Brewer Bridge

Special Detail Area

- Road Diet w/Enhanced 3-lane typical section
- SR 406 strategy is compatible with Coast-to-Coast Concept (shown)

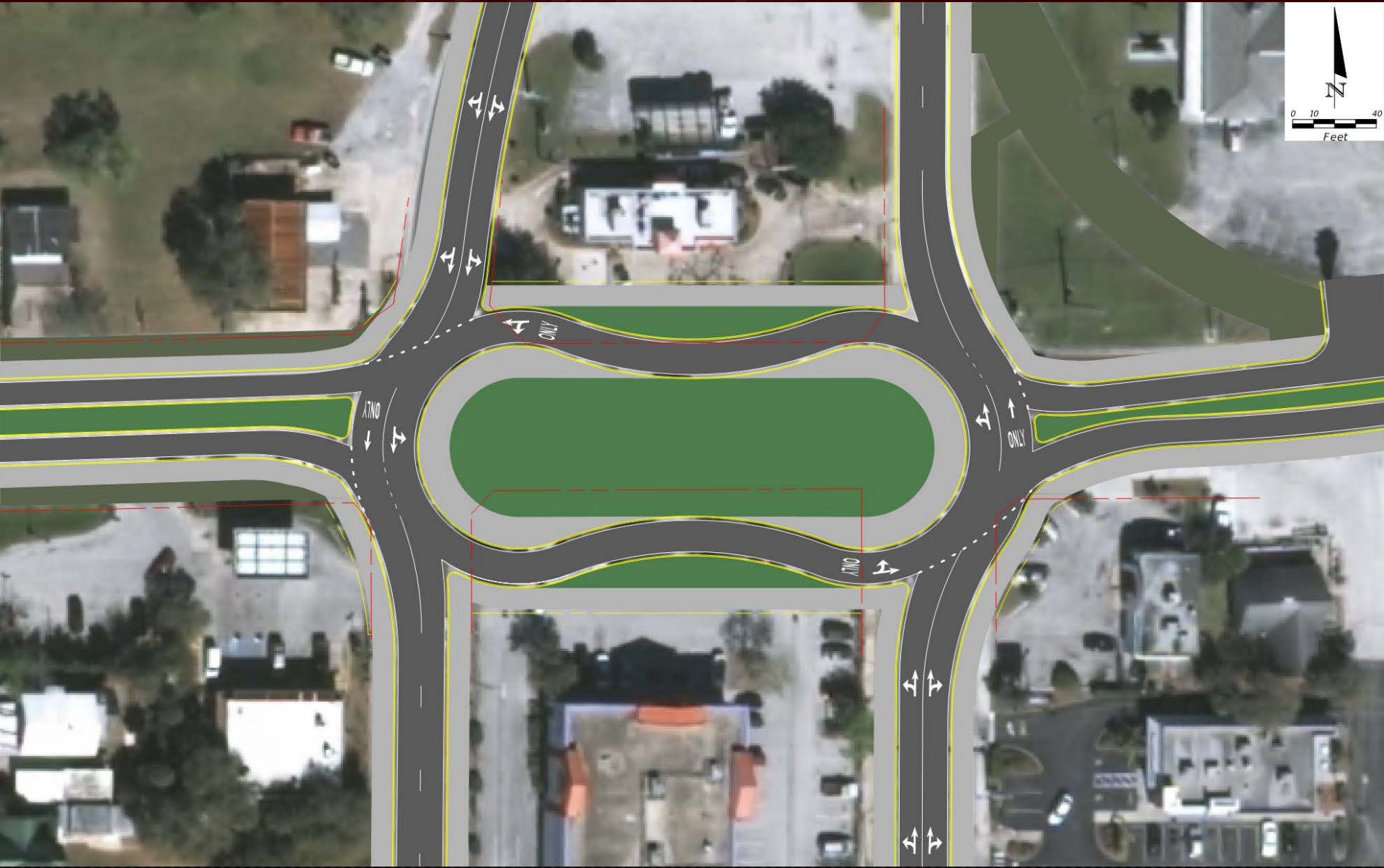


# SR 406 Spot Improvements: Intersections with US 1 One-Way Pair





# SR 406 Spot Improvement: Roundabout at US 1/SR 406 Intersection





# Coast To Coast Connector Focus Session

FM #: 436187-2

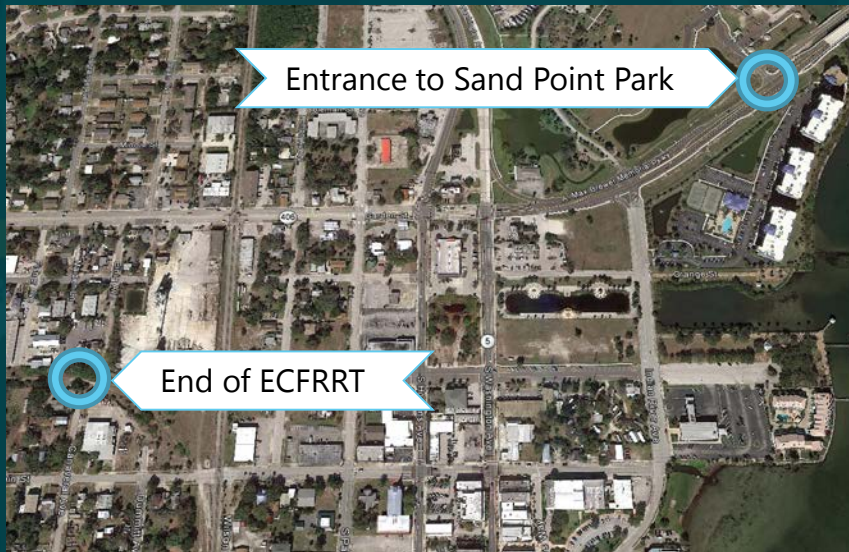
# Project Overview



# Project Overview

## Study Limits:

Southern end of East Central Florida  
Regional Rail Trail (ECFRRT) at  
Canaveral Avenue  
to  
Entrance of Sand Point Park



# Project Overview

## Adjacent Segments:

To the West: East Central Florida Regional Rail Trail (ECFRRT)

- Southern terminus at Canaveral Avenue
- Design/Build through LAP w/City of Titusville
- Construction is eminent
- To complete in fall of 2016

## East Central Florida Regional Rail Trail – Titusville Segment

### TITUSVILLE CROSSOVER SEGMENT

**LENGTH:** 0.6 miles

**PHASE:** Titusville Design/Build

Funded FY 2014/15

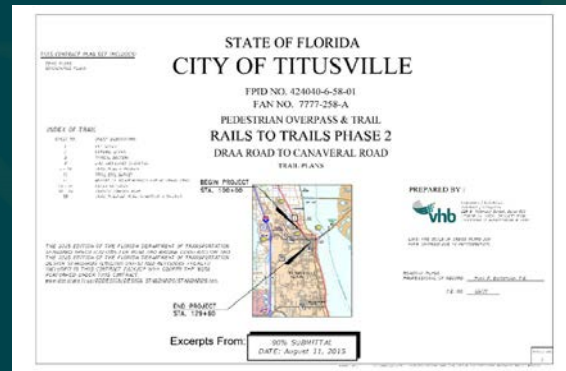
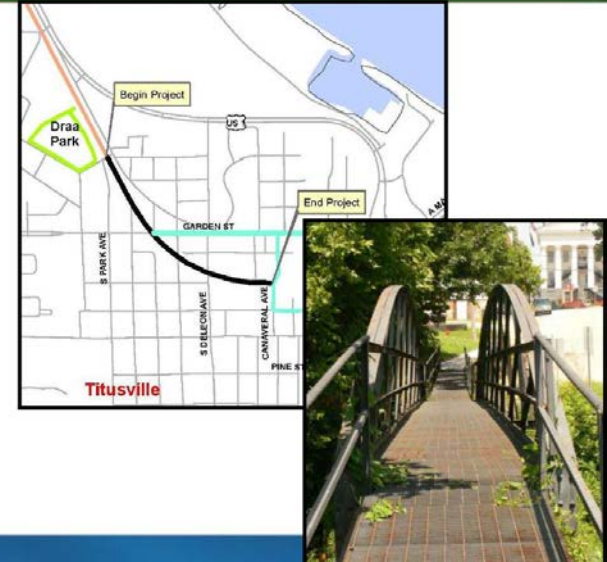
Design 2015

Construction 2016

**FEATURES:** Pedestrian bridge across SR 406/Garden Street

**BUDGET:** \$3,631,000

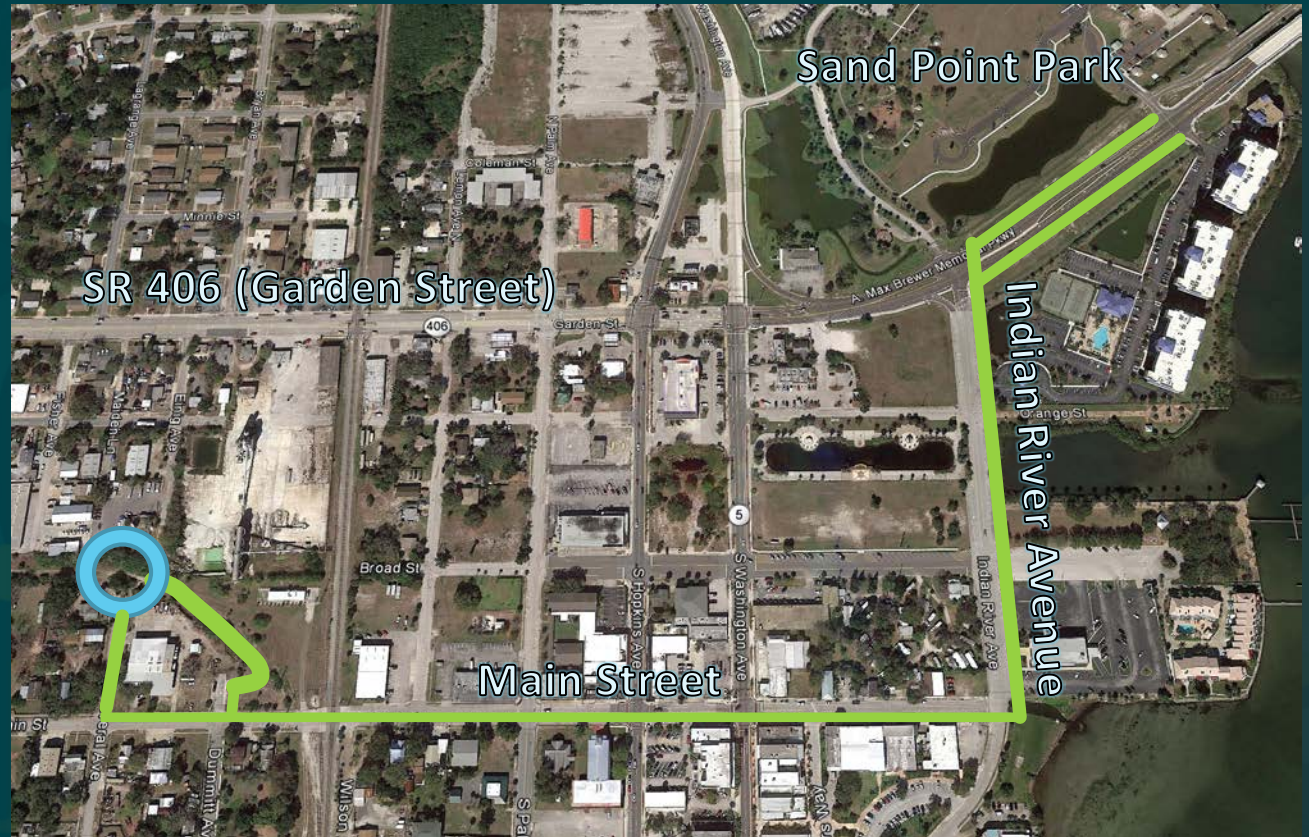
FDOT work program/Federal \$



# Project Overview

## Anticipated Routing:

- FEC abandoned railroad alignment
- Interface with Dummitt Ave.
- Main Street to Indian River Ave
- Indian River Ave to SR 406
- Indian River to the entrance to Sand Point Park



# Existing Roadway

Main Street: FEC Railroad Crossing to Hopkins Avenue (US 1 SB)



Indian River Avenue: Main Street to SR 406 (Garden Street)



# Proposed Improvements

## Goals:

- Provide for all trail users
- Consistency with adjacent sections / Overall C2C
- Minimize impacts to existing facilities

## Concepts Developed in Coordination with:

- City of Titusville Public Works
- Space-Coast Transportation Planning Organization (TPO)
- Brevard County North Area Park Recreation
- Brevard County Public Works
- US Fish and Wildlife Service (USFWS)
- Florida Greenways & Trails





# Proposed Improvements



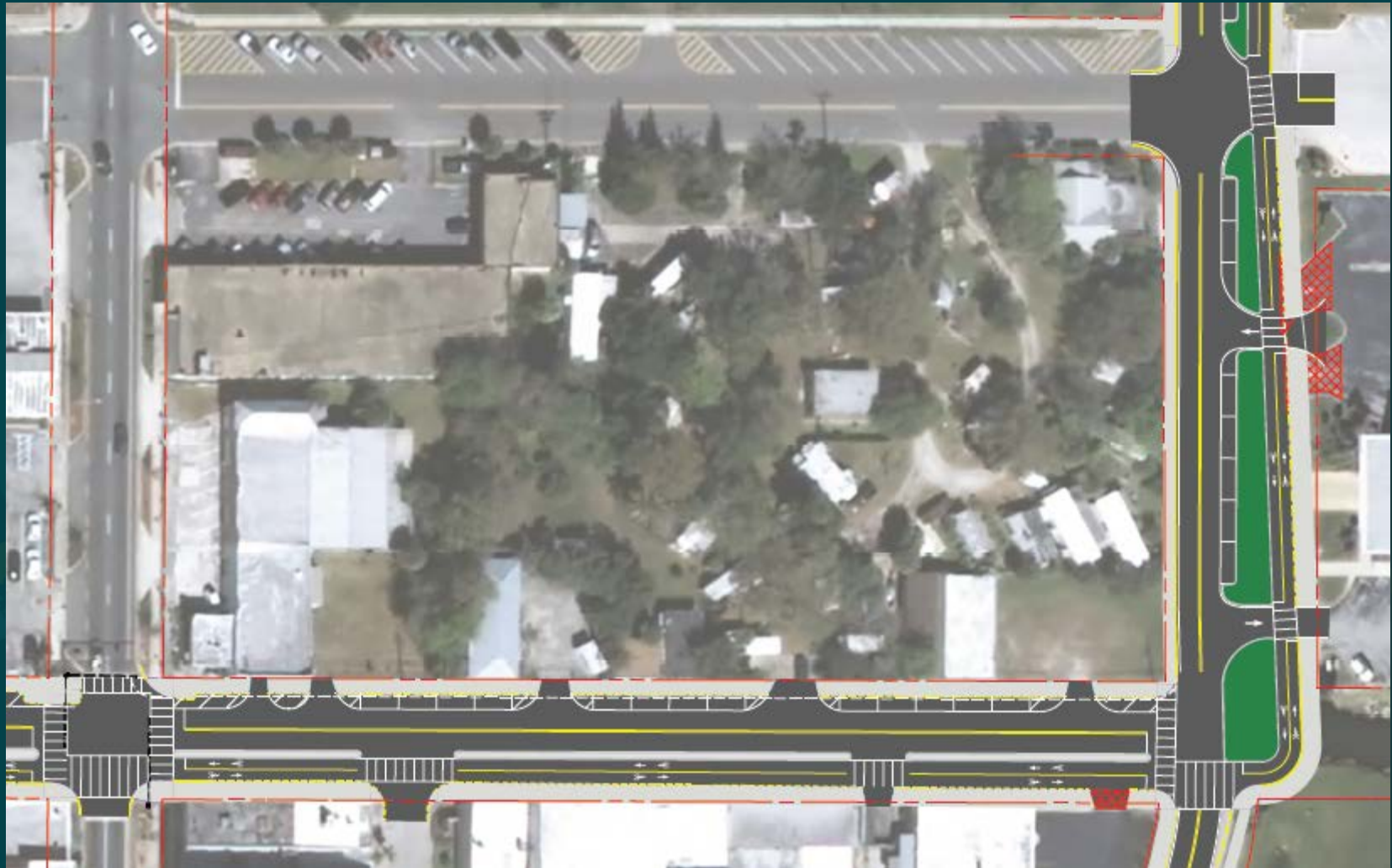
# Proposed Improvements



# Proposed Improvements



# Proposed Improvements



# Proposed Improvements





# Mayor's Remarks



Public Alternatives Meeting





CORRIDOR

6

NING

ATE

5

MAX BREWER

# Questions/Comments?

Contact Us!

**Judy Pizzo, MS, GISP**

Planning Project Manager

Planning & Corridor  
Development

FDOT District 5

[Judy.pizzo@dot.state.fl.us](mailto:Judy.pizzo@dot.state.fl.us)

386-943-5167

Consultant Team Contacts:

**Melissa Gross, PE**

US 1 Study Contact

VHB

[MGross@vhb.com](mailto:MGross@vhb.com)

**Kevin Freeman, PE**

SR 406 and Coast to Coast Study  
Contact

VHB

[KFreeman@vhb.com](mailto:KFreeman@vhb.com)

407-839-4006

Visit our website at [www.cflroads.com](http://www.cflroads.com)

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting Jennifer Smith, FDOT District Five Title VI Coordinator by phone at (386) 943-5367, or via email at [Jennifer.Smith2@dot.state.fl.us](mailto:Jennifer.Smith2@dot.state.fl.us)



## **ATTACHMENT D: BROCHURE**

# Coast To COAST CONNECTOR

## Coast to Coast Connector Trail Titusville Gap

### Proposed Improvements



#### Main Street

- 4' traffic separator
- 12' cycle path
- 6' sidewalk



#### Indian River Avenue

- varying traffic separator
- 12' cycle path
- 8' sidewalk



**Judy Pizzo, MS, GISP**

**Planning Project Manager**

Planning & Corridor Development  
 Florida Department of Transportation, District Five  
 719 South Woodland Boulevard  
 Deland, FL 32720  
 386-943-5167  
 Judy.Pizzo@dot.state.fl.us

**Kevin Freeman, P.E.**

**Study Team Contact**

Vanasse Hangen Brustlin, Inc.  
 Landmark Center Two  
 225 East Robinson Street, Suite 300  
 Orlando, FL 32801  
 407-839-4006  
 mgross@vhb.com



CORRIDOR PLANNING STUDY

**US1**



# CORRIDOR PLANNING STUDIES





# Potential Improvement Strategies

## I-95 to Singleton Avenue / Singleton Avenue to Dixie Avenue (Option 1)



## Singleton Avenue to Dixie Avenue (Option 2)



## Dixie Avenue to US 1

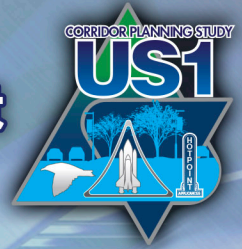


Signal Removal

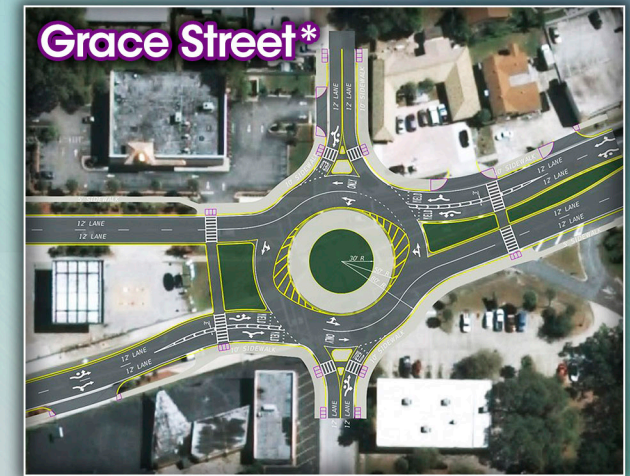


Palm Avenue

# Potential Improvement Strategies



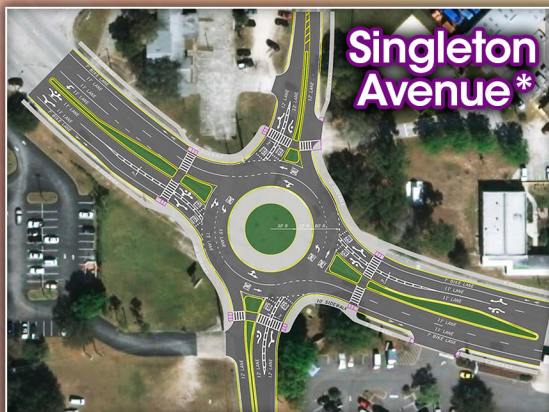
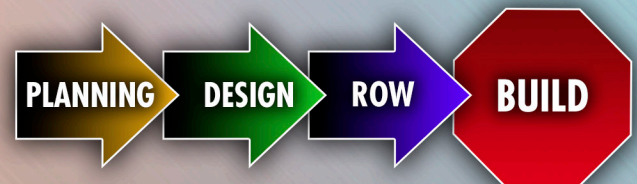
- Crosswalk Enhancements
- Pavement Markings
- Grace Street Roundabout



Grace Street\*

## What Happens After the Study is Finished?

At the conclusion of the studies, local officials will select alternative strategies which will identify a range of multi-modal solutions to address the mobility needs within a context that reflects the long term vision for the study corridors. The next step will be to continue the planning phase with concept development or additional studies. Once the planning phase is complete, the project will move on to the design phase.



Singleton Avenue\*



US 1\*

\*Conceptual intersection treatments that could be considered in a future phase of the project.

## Road Diet

Road Diet implementation plans have the potential to solve a number of traffic operations and safety issues and to incorporate non-motorized users when applied at the most appropriate locations.

Benefits of implementing a Road Diet Plan may include:

- **Reduction in crashes and crash severity**
  - **Reduction of rear-end and left-turn crashes** through the use of a dedicated left-turn lane
  - **Increase Safety** with fewer lanes for pedestrians to cross and an opportunity to install pedestrian refuge islands
  - **Reduced right-angle crashes** as side street motorists must cross only three lanes of traffic instead of four
- **Traffic calming and reduced speed differential**, which can decrease the number of crashes and reduce the severity of crashes if they occur
- The opportunity to repurpose segments of the roadway to create **on-street parking, bike lanes, and transit stops**
- Encouraging a more community-focused, **"Complete Streets" environment**
- **Simplifying road scanning and gap selection** for motorists (especially older and younger drivers) making left-turns from or onto the mainline

Before



After



*"A Road Diet can reduce crash rates compared to a traditional four-lane roadway."*

**19%-47% Crash Reduction**

- FHWA Office of Safety

Road Diet can be a low-cost safety solution when the installation is coordinated with scheduled pavement marking modifications or planned in conjunction with reconstruction or simple overlay projects.

Learn more: Road Diet Informational Guide, FHWA Publication No. FHWA-SA-12-013, available at [www.safety.fhwa.dot.gov](http://www.safety.fhwa.dot.gov)

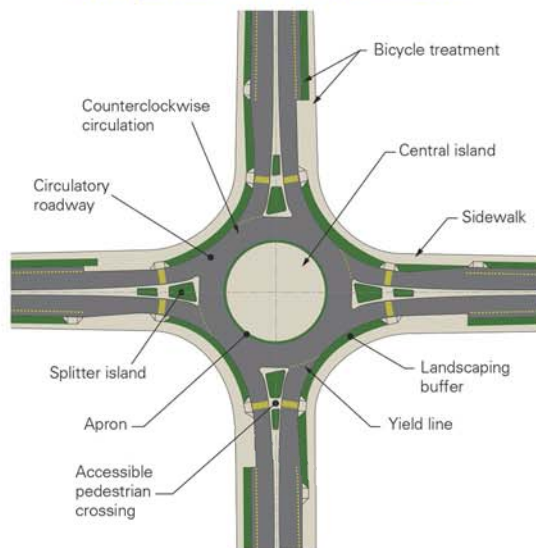
## Roundabouts

Roundabouts are designed to improve safety for all users, including pedestrians, bicyclist and motorists.

Benefits of a well-designed Roundabout may include:

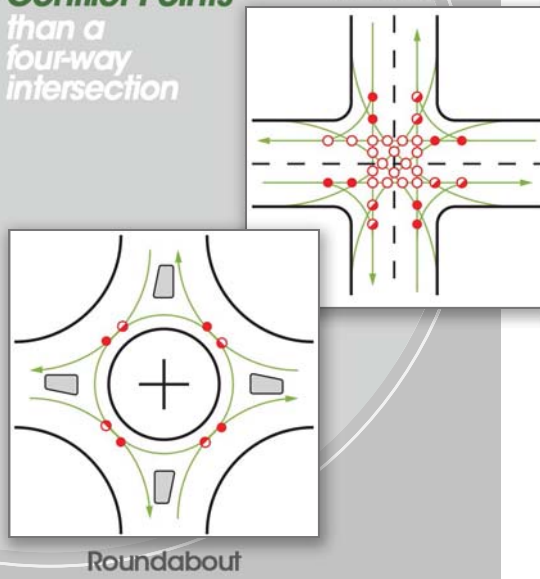
- Serves as **traffic calming** measure by reducing vehicle speeds
- A more **aesthetically appealing** look than conventional intersection designs
- No Signal = **No Operating Costs**
- **Reduces** fatal crashes up to 90%
- **Reduces** injury crashes up to 75%
- **Reduces** pedestrian crashes up to 40%

### Components of a Roundabout:



# Roundabouts

**75% Fewer Conflict Points**  
than a four-way intersection



### How to use a Roundabout:

- 1) Slow down as you approach roundabout
- 2) Look left and yield to cars in roundabout
- 3) Enter circle and continue to desired exit

\* For 2-Lane roundabouts:

- Use inner lane for Left-turn
- Use outerlane for Straight-through

### Roundabouts work best at intersections with:

- Complex geometry
- High crash rates
- Significant delays
- Frequent left turns

Learn more: Roundabout: An Informational Guide, FHWA Publication No. FHWA-RD-00-067, available at [www.tfhrc.gov](http://www.tfhrc.gov)

## **ATTACHMENT E: MEETING AGENDA**



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## PUBLIC ALTERNATIVES MEETING AGENDA

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<b>Meeting Date:</b>	February 25, 2016	<b>Time:</b> 5:30 pm to 7:30 pm
<b>Project:</b>	US 1 and SR 406 Corridor Planning Studies, and the Coast-to-Coast Titusville Connector Study	
<b>Subject:</b>	Public Alternatives Meeting	
<b>Meeting Location:</b>	City of Titusville – City Hall 500 S. Washington Avenue, Titusville, FL 32796	

---

- I. Overview Session**
  - What is a Corridor Planning Study?
  - Why we are here?
  - How can you get involved?
  - Where are we in the study?
  
- II. US 1 Focus Session**
  - Goals and Objectives
  - Spot Improvements
  
- III. SR 406 Focus Session**
  - Goals and Objectives
  - Corridor Improvements
  - Spot Improvements
  
- IV. Coast-to-Coast Trail Concept Development**
  - Background & Local Context
  - Conceptual Layout
  
- V. Question & Answer**

## **ATTACHMENT F: DISPLAY MATERIALS**



# WELCOME

## CORRIDOR PLANNING STUDIES



EXISTING



- LEGEND**
- Signalized Intersection
  - Rectangular Rapid Flashing Beacon (RRFB)
  - Rail Road Crossing
  - Traffic Facility
  - Existing Crosswalk
  - Existing On-Street Parking
  - Existing Bike Lane



# US 1 POTENTIAL IMPROVEMENT STRATEGIES



IMPROVED



- LEGEND**
- Signalized Intersection
  - Stop-Controlled Intersection
  - Rail Road Crossing
  - Proposed Crosswalk

**CoastTo  
COAST  
CONNECTOR**  
Coast to Coast Connector Trail  
Titusville Gap

**Proposed Improvements**



**Judy Pizzo, MS, GISP**

**Planning Project Manager**

Planning & Corridor Development  
Florida Department of Transportation, District Five  
719 South Woodland Boulevard  
DeLand, FL 32720  
386-943-5167  
Judy.Pizzo@dot.state.fl.us

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**Study Team Contact**

Vanasse Hangen Brustlin, Inc.  
Landmark Center Two  
225 East Robinson Street, Suite 300  
Orlando, FL 32801  
407-839-4006  
mgross@vhb.com

**Main Street**

- 4' traffic separator
- 12' cycle path
- 6' sidewalk



**Indian River Avenue**

- varying traffic separator
- 12' cycle path
- 8' sidewalk



**CORRIDOR  
PLANNING  
STUDIES**





# Potential Improvement Strategies

I-95 to Singleton Avenue / Singleton Avenue to Dixie Avenue (Option 1)



Singleton Avenue to Dixie Avenue (Option 2)



Dixie Avenue to US 1



Signal Removal



Palm Avenue

# Potential Improvement Strategies

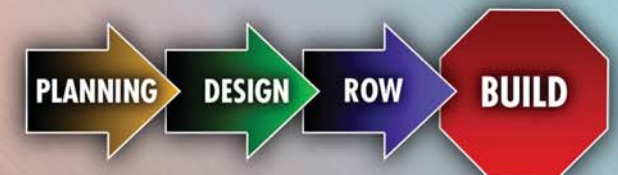


- Crosswalk Enhancements
- Pavement Markings
- Grace Street Roundabout



## What Happens After the Study is Finished?

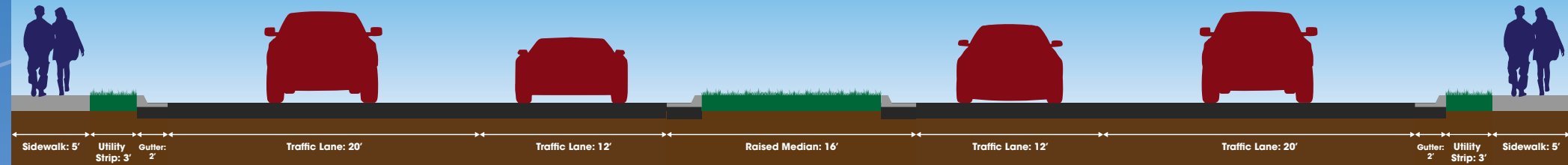
At the conclusion of the studies, local officials will select alternative strategies which will identify a range of multi-modal solutions to address the mobility needs within a context that reflects the long term vision for the study corridors. The next step will be to continue the planning phase with concept development or additional studies. Once the planning phase is complete, the project will move on to the design phase.



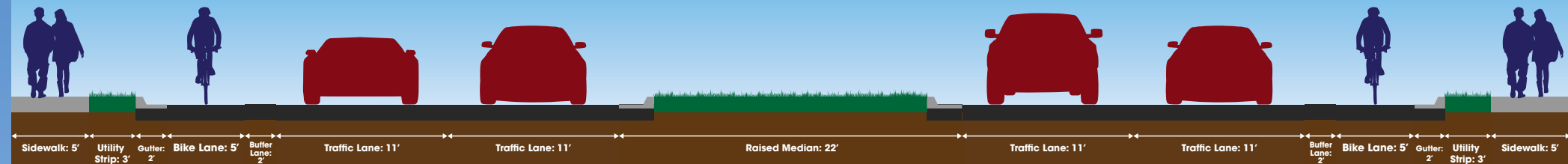
\*Conceptual intersection treatments that could be considered in a future phase of the project.

# Singleton Avenue to Dixie Avenue

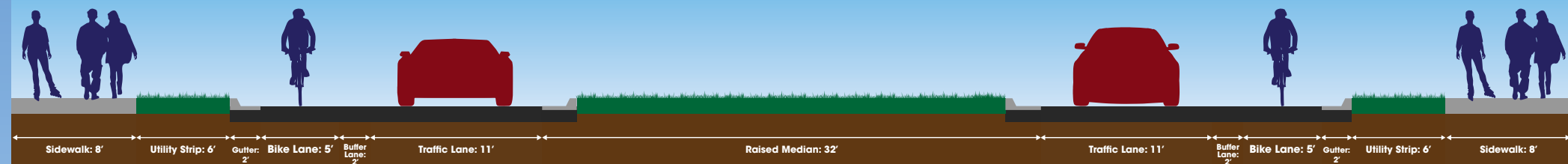
## EXISTING



## PROPOSED 4-LANE OPTION



## PROPOSED 2-LANE OPTION



# I-95 to Singleton Avenue

## EXISTING

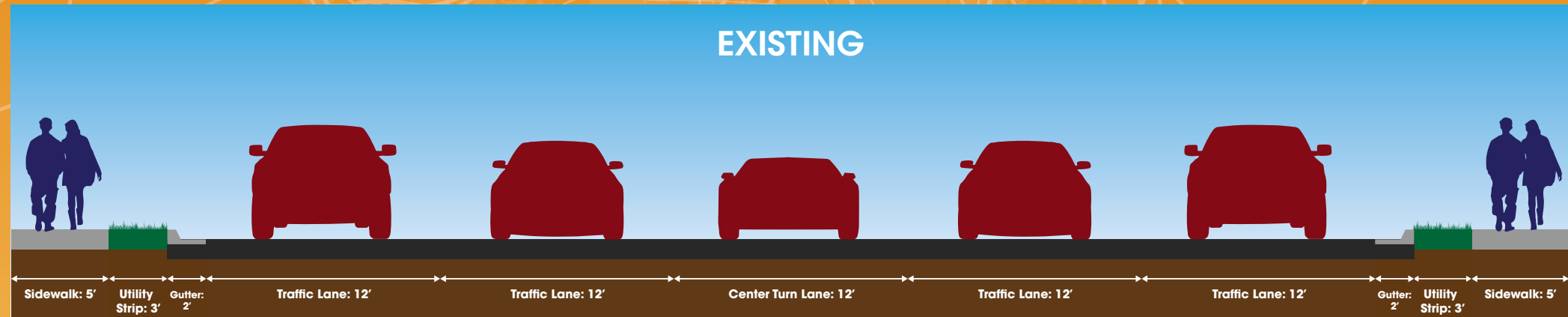


## PROPOSED

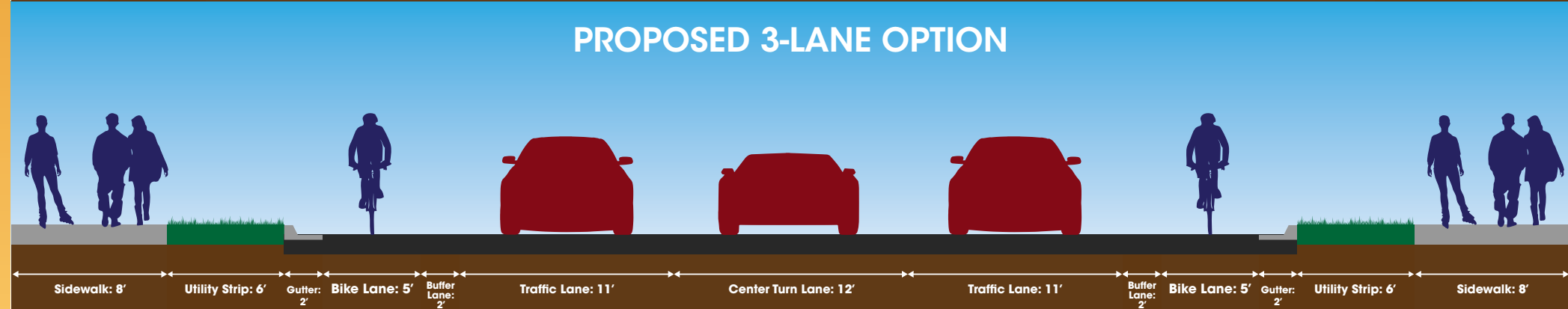


# Dixie Avenue to US 1

## EXISTING



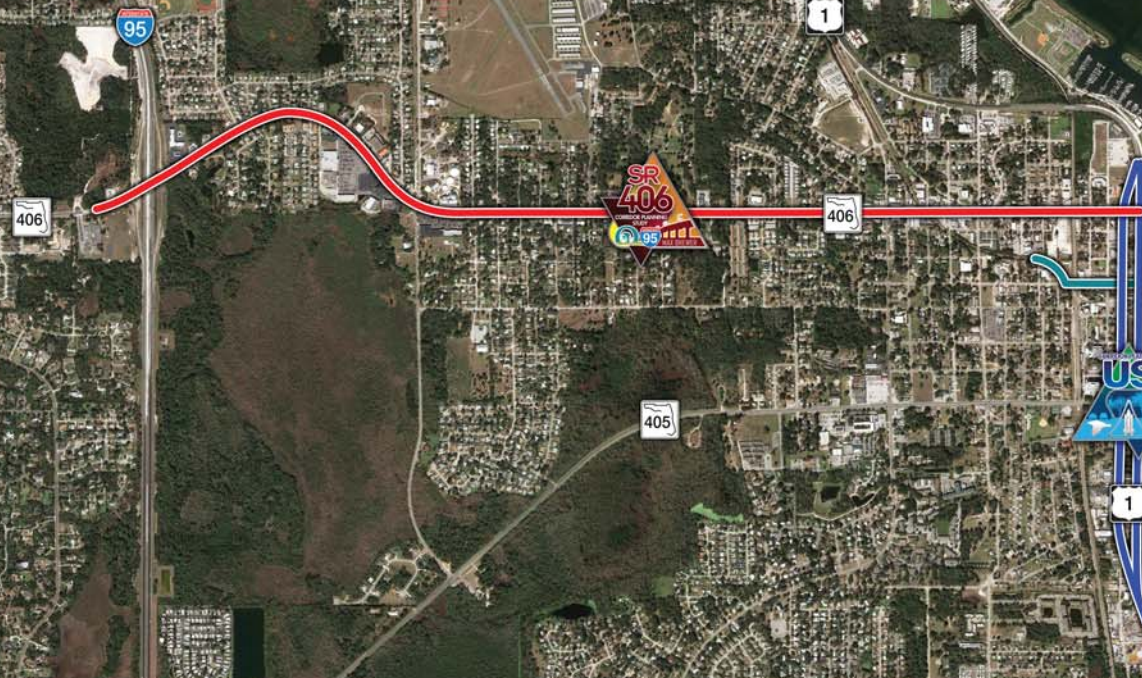
## PROPOSED 3-LANE OPTION







N  
↑  
N.T.S.



# Coast To COAST CONNECTOR

**SR 406**  
CORRIDOR PLANNING STUDY

INTERSTATE 95  
MAX BREWER

## REGIONAL OVERVIEW MAP

CORRIDOR PLANNING STUDY

# US 1

HOTPOINT  
APPLICATIONS



EXISTING



# US 1 POTENTIAL IMPROVEMENT STRATEGIES



IMPROVED



## **ATTACHMENT G: WRITTEN COMMENTS**



# Comment Form

US 1 & SR 406 Corridor Planning Studies and the Coast-to-Coast Titusville Connector Study



Public Alternatives Meeting

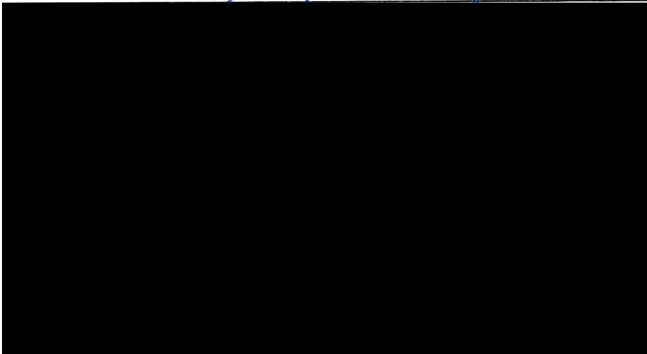
February 25, 2016

Your comments are important! Please use the space below to express your input about this project.

My comment is regarding (check all that apply):

- US 1 Corridor Planning Study
- SR 406 Corridor Planning Study
- Coast-to-Coast Titusville Gap Connector

We really need to address bike lanes on US-1  
 The bike lanes need to connect to the connector  
 Bike lanes should be paved in green asphalt  
 to provide a visual cue to traffic and improve  
 safety for cyclists



Please complete and place this form in the "Comments" box or mail before March 7, 2016 to:

Judy Pizzo  
 FDOT Project Manager  
 719 S. Woodland Boulevard  
 DeLand, Florida 32720

# Comment Form



US 1 & SR 406 Corridor Planning Studies and the  
Coast-to-Coast Titusville Connector Study



Public Alternatives Meeting

February 25, 2016



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- Coast-to-Coast Titusville Gap Connector

Judy - Thanks for your oversight with these projects.

If I may reiterate - the path along Broad Street instead of Main makes more sense to me as it has a wider ROW already. The extra width could be utilized to provide a very important aspect to bicyclist visits - a very secure method and place to store their bikes while walking downtown. Otherwise, each business may have to have racks in various locations near them.

Bike thieves are around here nearby.

Please complete and place this form in the "Comments" box or mail before March 7, 2016 to:

Judy Pizzo  
FDOT Project Manager  
719 S. Woodland Boulevard  
DeLand, Florida 32720

P.S. Great visuals!



# Comment Form

US 1 & SR 406 Corridor Planning Studies and the Coast-to-Coast Titusville Connector Study

Public Alternatives Meeting

February 25, 2016



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My comment is regarding (check all that apply):

- US 1 Corridor Planning Study
- SR 406 Corridor Planning Study
- Coast-to-Coast Titusville Gap Connector

US 1

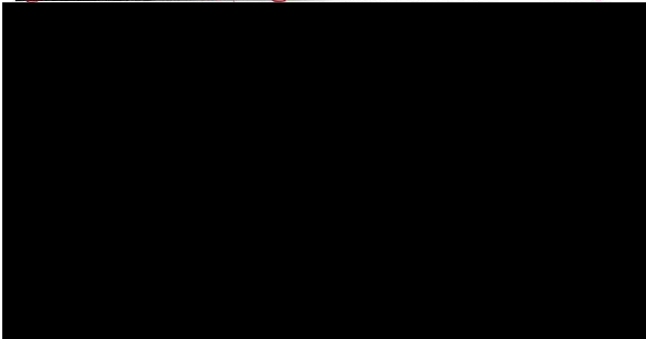
- If no bike lane down US1, improve Indian River Road. Indian River Road surface is in bad shape and cause flat tires and damage to rims. Would rather ride fast (20+mph) on US1 than take Indian River road.

SR 406

- There are alot of entry/exits on 406. From experience cars tend to creep into bike lane to turn onto the road. Causes accidents

C-C

- Ensure there is enough space for cyclists to slow down before turn 90° onto (canaveral) ave



Please complete and place this form in the "Comments" box or mail before March 7, 2016 to:

Judy Pizzo  
 FDOT Project Manager  
 719 S. Woodland Boulevard  
 DeLand, Florida 32720

# Comment Form

US 1 & SR 406 Corridor Planning Studies and the Coast-to-Coast Titusville Connector Study

Public Alternatives Meeting

February 25, 2016

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- US 1 Corridor Planning Study
- SR 406 Corridor Planning Study
- Coast-to-Coast Titusville Gap Connector



Near the end of the project in the large  
grassy area I thought about building a  
rest station with bike racks and water  
for riders to rest in when they come to  
the building, this would be my BSA Eagle project  
if it were approved.



Please complete and place this form in the "Comments" box or mail before March 7, 2016 to:

Judy Pizzo  
FDOT Project Manager  
719 S. Woodland Boulevard  
DeLand, Florida 32720

# Comment Form



US 1 & SR 406 Corridor Planning Studies and the  
Coast-to-Coast Titusville Connector Study



Public Alternatives Meeting

February 25, 2016

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- SR 406 Corridor Planning Study
- Coast-to-Coast Titusville Gap Connector

(~~US1~~  
SR406) Concern is regarding the proposed elongated roundabout  
which may result in heavy traffic being backed up  
on Garden Street. Should this occur then there is  
potential for the backup to impact the Railroad Crossing  
just west of US 1. The reduction from two lanes  
to one lane further exacerbates this problem.

(US1) Grace Street roundabout appears to be an excellent idea.

(ALL) Please no more speed bumps/humps as this may cause  
damage to vehicles with low clearances, such as sports cars.

(ALL) Visual effects such as Gateway and roundabouts to promote  
slower speeds is an excellent approach that is effective.

Please complete and place this form  
in the "Comments" box or mail  
before March 7, 2016 to:

Judy Pizzo  
FDOT Project Manager  
719 S. Woodland Boulevard  
DeLand, Florida 32720



# Comment Form

US 1 & SR 406 Corridor Planning Studies and the  
Coast-to-Coast Titusville Connector Study

Public Alternatives Meeting

February 25, 2016

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My comment is regarding (check all that apply):

- US 1 Corridor Planning Study
- SR 406 Corridor Planning Study
- Coast-to-Coast Titusville Gap Connector



I Appreciate being invited to this meeting  
I would have liked it better if you would use a site  
& monitor to look at a road where it was

I Raised My hand Early in the Conversation  
& was Never Called upon

I Am A Behavioral Scientist & Was Impressed  
by the IDEAS but Disappointed in the Presentation  
Style & Audience Recognition

Please complete and place this form  
in the "Comments" box or mail  
before March 7, 2016 to:

Judy Pizzo  
FDOT Project Manager  
719 S. Woodland Boulevard  
DeLand, Florida 32720