



MEETING NOTICE & AGENDA

Please be advised that the River to Sea Transportation Planning Organization (R2CTPO) **BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE (BPAC)** will be meeting on:

DATE: Wednesday, August 8, 2018

TIME: 3:00 PM

PLACE: River to Sea TPO
2570 W. International Speedway Blvd.,
Suite 100 (Conference Room)
Daytona Beach, Florida 32114-8145

Mr. Bob Storke, Chairperson

AGENDA

- I. **CALL TO ORDER/ROLL CALL/DETERMINATION OF QUORUM/PLEDGE OF ALLEGIANCE**
- II. **PUBLIC COMMENT/PARTICIPATION** *(Length of time at the discretion of the Chairperson)*
- III. **ACTION ITEMS**
 - A. **REVIEW AND RECOMMEND APPROVAL OF THE JUNE 13, 2018 BPAC MEETING MINUTES** *(Contact: Debbie Stewart) (Enclosure, pages 3-11)*
 - B. **REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2018-## AMENDING THE FY 2018/19 – 2022/23 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)** *(Contact: Colleen Nicoulin) (Enclosure, pages 12-16)*
 - C. **REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2018-## ADOPTING THE 2018 TELL THE TPO SURVEY CAMPAIGN SUMMARY** *(Contact: Pamela Blankenship) (Enclosure, pages 17-34)*
 - D. **REVIEW AND RECOMMEND APPROVAL OF A REQUEST FROM PORT ORANGE TO INCREASE FUNDING FOR THE NORTH SPRUCE CREEK ROAD SIDEWALK/SUN TRAIL GAP** *(Contact: Stephan Harris) (Enclosure, pages 35-36)*

IV. PRESENTATIONS AND DISCUSSION ITEMS

- A. PRESENTATION AND DISCUSSION OF THE R2CTPO FY 2017/18 YEAR IN REVIEW**
(Contact: Pamela Blankenship) (Enclosure, page 37)
- B. PRESENTATION AND DISCUSSION OF THE DRAFT ROADWAY SAFETY EVALUATION AND IMPROVEMENT STUDY** *(Contact: Stephan Harris) (Enclosure, pages 38-48)*
- C. PRESENTATION AND DISCUSSION OF THE DRAFT BICYCLE SUITABILITY MAP**
(Contact: Stephan Harris) (Enclosure, page 49)

V. STAFF COMMENTS *(Enclosure, pages 50)*

VI. INFORMATION ITEMS *(Enclosure, pages 50-58)*

- BPAC Attendance Record
- BPAC Bicycle Suitability Map Subcommittee Reports
- June-July 2018 TPO Outreach & Activities
- June 27, 2018 TPO Board Meeting Report
- Votran Route 44 Flyer

VII. BPAC MEMBER COMMENTS *(Enclosure, page 50)*

VIII. ADJOURNMENT *(Enclosure, page 50)*

*****The next meeting of the BPAC will be on Wednesday, September 12, 2018*****

NOTE: Individuals covered by the Americans with Disabilities Act of 1990 in need of accommodations for this public meeting should contact the River to Sea TPO office, 2570 W. International Speedway Blvd., Suite 100, Daytona Beach, Florida 32114-8145; (386) 226-0422, extension 20416, at least five (5) working days prior to the meeting date.

NOTE: If any person decides to appeal a decision made by the board with respect to any matter considered at such meeting or hearing, he/she will need a record of the proceedings including all testimony and evidence upon which the appeal is to be based. To that end, such person will want to ensure that a verbatim record of the proceedings is made.

NOTE: The River to Sea TPO does not discriminate on the basis of race, color, national origin, sex, age, religion, disability and family status. Those with questions or concerns about nondiscrimination, those requiring special assistance under the Americans with Disabilities Act (ADA) of 1990, or those requiring language assistance (free of charge) should contact Pamela Blankenship at 386.226.0422 or pblankenship@r2ctpo.org.

**SUMMARY SHEET
BPAC
AUGUST 8, 2018**

III. ACTION ITEMS

A. REVIEW AND APPROVAL OF THE JUNE 13, 2018 BPAC MEETING MINUTES

BACKGROUND INFORMATION:

Minutes are prepared for each meeting and must be approved by the BPAC. The June 13, 2018 BPAC meeting minutes are provided with this agenda packet for your review.

ACTION REQUESTED:

MOTION TO APPROVE THE JUNE 13, 2018 BPAC MEETING MINUTES

Bicycle/Pedestrian Advisory Committee (BPAC)
Meeting Minutes
June 13, 2018

Members Present:

Doug Hall
Michelle Grenham
Paul Eik, Vice Chairperson
Larry Coletti
Nic Mostert
Bob Storke, Chairperson
Gayle Belin
Patrick McCallister
Nancy Burgess-Hall
Alice Haldeman
Jason Aufdenberg

Non-Voting Technical Appointees Present:

Wendy Hickey
Gwen Perney
Terri Bergeron
Mike Ziarnek

Members/Technical Appointees Absent:

Jeff Hodge
Ted Wendler (excused)
Scott Leisen
Heidi Petito/Bob Owens
Gilles Blais
Danielle Anderson (excused)
Christy Gillis (excused)
Roy Walters
Rob Brinson
John Cotton (excused)

Others Present:

Debbie Stewart, Recording Secretary
Stephan Harris
Pamela Blankenship
Lois Bollenback
Paul Haydt
Vickie Wyche
Janna Taylor
Andrew Dodzik
Karissa Moffett
Steven Lawrence
Chris Daun
Melissa Winsett

Representing:

Daytona Beach
Edgewater
Flagler Beach
Flagler County
New Smyrna Beach
Orange City
Ormond Beach
Volusia County, District 1
Volusia County, District 2
Volusia County, District 3
Volusia County, At Large

Representing:

Flagler County
Port Orange
Volusia County
FDOT

Representing:

DeBary
DeLand
Deltona
Flagler County Public Transportation
Holly Hill
Palm Coast
South Daytona
Volusia County, At-Large
Volusia County School Board
Votran

Representing:

TPO Staff
TPO Staff
TPO Staff
TPO Staff
East Coast Greenways & Trails Alliance
FDOT
FDOT
Flagler County Alternate
Health Planning Council of Northeast Florida
Planning Solutions
Volusia County D-2 Alternate
Volusia County Traffic Engineering

I. Call to Order / Roll Call / Determination of Quorum / Pledge of Allegiance

The meeting of the River to Sea Transportation Planning Organization (TPO) Bicycle/Pedestrian Advisory Committee (BPAC) was called to order at 3:00 p.m. by Chairperson Bob Storke. The roll was called and it was determined that a quorum was present.

Chairperson Storke introduced Mr. Chris Daun, Volusia County District 2 Alternate and FDOT District 5 Liaisons Ms. Vickie Wyche and Ms. Janna Taylor.

II. Public Comment/Participation

Mr. Paul Haydt, Florida East Coast Greenway Alliance, gave a brief update on the trail. The Alliance wants to ensure the trail is safe and accommodating for all users. There is a feasibility study being conducted by FDOT in New Smyrna Beach, Port Orange and into South Daytona; he should have a report in the next two months on that study. A feasibility study will also be starting in Flagler Beach for a challenging section of the trail due to hurricane damage to SR A1A. As a result, FDOT is doing a project to stabilize SR A1A. The challenge is how to put a trail there that is safe for everyone. The Alliance would like public input on this study. He announced a workshop would be held July 11, 2018 at 9:00 am at the TPO to discuss the trail, the benefits, and what makes a trail effective for economic tourism and community health.

Mr. Aufdenberg commented he was recently in Brooklyn, New York, and saw the East Coast Greenway goes up the east side of Manhattan; it was exciting to see the connection between there and here.

Mr. Daun asked if they had identified any pedestrian crossings that were concerning.

Mr. Haydt replied all road crossings on trails are a concern; the more intersections there are, the more dangerous it is. As far as on-road and trail facilities go, more car and bicycle interactions happen on trail facilities; there are a lot of things to discuss regarding trails, especially on long-distance regional trails.

Chairperson Storke asked TPO staff to send a reminder notice to members regarding the workshop.

III. Action Items

A. Review and Approval of May 9, 2018 BPAC Meeting Minutes

Mr. McCallister referred to his comments regarding the bus stop at the Department of Veteran's Affairs in Orange City and stated the clinic is actually the West Volusia Community Outpatient Clinic and not the Armed City Community Outpatient Center.

Mr. Eik referred to page 11 of the agenda, fifth paragraph and Mr. Daun's email comment regarding the rapid rectangular flashing beacons (RRFBs); he asked for clarification regarding the statement that Mr. Daun does not believe the RRFBs are not worth pursuing in an urban/suburban area.

Ms. Haldeman replied it is her understanding is that he does not believe the RRFBs are worth pursuing.

Mr. Daun agreed.

MOTION: *A motion was made by Mr. McCallister to approve the May 9, 2018 BPAC meeting minutes as amended. The motion was seconded by Ms. Belin and carried unanimously.*

B. Nomination and Election of BPAC Chair

Chairperson Storke announced the floor is open for nominations for BPAC Chairperson for FY 2018/19.

Mr. Aufdenberg asked if Chairperson Storke was term limited.

Chairperson Storke replied no.

MOTION: *A motion was made by Mr. McCallister to nominate Chairperson Storke as BPAC Chair for FY 2018/19. The motion was seconded by Mr. Mostert and carried unanimously.*

MOTION: *A motion was made by Mr. McCallister to elect Chairperson Storke as BPAC Chair for FY 2018/19. The motion was seconded by Mr. Mostert and carried unanimously.*

C. Nomination and Election of BPAC Vice Chair

Chairperson Storke announced Vice Chairperson Eik is eligible for another year and asked if anyone would like to volunteer.

MOTION: *A motion was made by Ms. Burgess-Hall to nominate Mr. Paul Eik as BPAC Chair for FY 2018/19. The motion was seconded by Mr. Coletti and carried unanimously.*

MOTION: *A motion was made by Ms. Burgess-Hall to elect Mr. Paul Eik as BPAC Chair for FY 2018/19. The motion was seconded by Mr. Coletti and carried unanimously.*

D. Review and Recommend Approval of the Draft List of Prioritized Bicycle/Pedestrian and B/P Local Initiatives Projects

(Handout)

Mr. Harris stated the first draft of the List of Prioritized Bicycle/Pedestrian projects was presented last month; both a clean version and a strikethrough/underline version. The final draft is presented today with minor modifications. The version in the agenda is dated June 6, 2018. The day after the agenda was distributed, the TPO received several cost updates from the city of Daytona Beach. TPO staff has revised the list to reflect those cost updates and they are provided in the handout dated June 12, 2018.

Ms. Haldeman asked if Ms. Stewart could email the updated version to the BPAC members.

Mr. Harris replied yes. He stated the TPO is asking for a recommendation of approval to adopt the Bicycle/Pedestrian List of Prioritized Projects and the SUN Trail List of Prioritized Projects. He reviewed the changes to both lists.

Ms. Belin asked if the increases were reflected in the handout or in the email.

Mr. Harris replied the increases are reflected in the handout.

Mr. Mostert stated the updated version indicates a decreased cost for project 15.

Mr. Steven Lawrence, Planning Solutions, consultant for Daytona Beach, stated the changes were based on the most recent design estimates received over the past month; some costs did decrease.

Mr. Aufdenberg commented he thought the Halifax East Coast Greenway Sweetheart Trail was SUN Trail funded; he asked why it was on the Bicycle/Pedestrian list instead.

Mr. Harris replied it was on the Bicycle/Pedestrian list because the segment from Orange Avenue to International Speedway Boulevard (ISB) will form a loop and SUN Trail does not fund loops. The city requested SUN Trail funds but the request was denied. Since it was already on the priority list, the intent is to fund it with federal funds. All of the SUN Trail projects that were on this list have been moved to the SUN Trail list.

Mr. Aufdenberg commented that superficially, it seems like they are penalizing trails that go under bridges.

Mr. Harris replied the city of Daytona Beach has broken that segment into two segments; the first segment is the east/west portion along Orange Avenue and the second segment runs north/south.

Mr. Daun stated in his research for funding of trails he has found there was additional funding for birding trails; if it was desired a trail be put in that might be for pedestrians and bicyclists in a sensitive area there are

potential funding possibilities to combine that project with a Florida Birding Trail. This would allow people to view birds but also create a trail to be used by pedestrians and bicyclists as well.

Mr. Eik asked if all of the new additional funding requests have been reviewed by TPO staff and found to be valid.

Mr. Harris replied yes.

MOTION: *A motion was made by Mr. Eik to recommend approval of the draft List of Prioritized Bicycle/Pedestrian and B/P Local Initiatives projects. The motion was seconded by Ms. Grenham and carried unanimously.*

E. Review and Recommend Approval of the draft List of Shared Use Non-Motorized (SUN) Trail Projects

Mr. Harris reviewed the changes to the SUN Trail priority list that were not reflected in the agenda packet.

MOTION: *A motion was made by Ms. Grenham to recommend approval of the draft List of Shared Use Non-Motorized (SUN) Trail projects. The motion was seconded by Mr. Coletti and carried unanimously.*

F. Review and Recommend Approval of Resolution 2018-## Adopting the draft FY 2018/19 to 2022/23 Transportation Improvement Program (TIP)

Mr. Harris stated the new FY 2018/19 to 2022/23 Transportation Improvement Program (TIP) will begin July 1, 2018. A link to the draft TIP and comparison report were provided in the agenda. The TIP consists of capital and non-capital surface transportation projects, safety projects, trails, pedestrian walkways, bicycle facilities, etc. The draft TIP was presented last month and is now up for a recommendation to adopt. It will also go before the other advisory committees and TPO Board this month. There have been no significant changes from last month's draft TIP.

MOTION: *A motion was made by Mr. Eik to recommend approval of Resolution 2018-## adopting the draft FY 2018/19 to 2022/23 Transportation Improvement Program (TIP). The motion was seconded by Mr. Mostert and carried unanimously.*

G. Cancellation of the July 11, 2018 BPAC Meeting

MOTION: *A motion was made by Mr. Mostert to cancel the July 11, 2018 BPAC meeting. The motion was seconded by Ms. Grenham and carried unanimously.*

IV. Presentation and Discussion Items

A. Presentation and Discussion of the 2018 "Tell the TPO" Survey Preliminary Results

Ms. Blankenship gave a PowerPoint presentation on the preliminary results of the 2018 "Tell the TPO" Survey and stated 1,515 responses have been received so far. An email was sent to committee members for another push to get the word out. She reviewed the media and outreach outlets used including television and radio interviews. The BPAC is in third place in the committee challenge; the TCC is in first. She thanked Mr. Aufdenberg for his social media posts. She reviewed the results received to date; 91% of respondents have not previously taken the survey and the average age of respondents was 41 to 65. There were no respondents under the age of 16; she would like to target that age group in the next "Tell the TPO" survey in 2020.

Ms. Burgess-Hall commented it had not occurred to her to reach out to the youth in the community; she asked if she had contacts in that age group should she share the survey information with them?

Ms. Blankenship replied yes; they will be using the transportation facilities in the near future and the TPO would like to have their input.

Mr. Daun asked how the “under 40” age group matched up with the demographics of the area.

Ms. Blankenship replied she is not sure but will have that information at the August presentation. She continued reviewing the preliminary survey results. The survey ends June 30, 2018; the TPO is hoping to receive 2,000 responses. She asked BPAC members to share the survey link on their social media sites, and with friends and family.

Mr. McCallister referred to the demographic responses and commented that there looks like a serious under representation of people using transportation primarily for employment. He also noticed there is not information regarding income. He is concerned that students bicycling to school, or people that have to bike to work are not represented and he thinks they need to be; some people depend on transportation in ways most of us do not.

Ms. Blankenship replied the TPO worked with Votran to get the word out to transit riders. She reached out to the colleges but did not receive a great response.

Ms. Burgess-Hall asked if the survey was available on the buses.

Ms. Blankenship replied no but they are available at the transfer plaza and Votran’s office; Votran chose not to put the surveys on the buses.

Ms. Burgess-Hall asked the hotels if had been contacted.

Ms. Blankenship replied she reached out to the Hotel/Motel Lodging Association and emails were sent through them. The TPO reached out to a large group of people that represent various sections of the population multiple times.

Mr. Aufdenberg asked how many paper surveys had been received.

Ms. Blankenship replied approximately 5%; the surveys are available at all public libraries; they have not been picked up yet so there may be a change in the demographics.

Discussion continued.

Mr. Ziarnek announced he received approval from the Director of FDOT for the Public Information Officer to release the survey link to all of FDOT District 5 employees.

B. Presentation and Discussion of FY 2018/19 Bicycle and Pedestrian Safety Events

Ms. Blankenship stated the draft list of FY 2018/19 Bicycle and Pedestrian Safety Events was provided in the agenda. Last year, the TPO participated in 16 bicycle/pedestrian related events and fit 924 bicycle helmets which is an increase over the previous year. She reviewed the proposed bicycle/pedestrian safety events for FY 2018/19 and announced more events can be added. She is waiting to hear back from Palm Coast on a couple of events there. The events are geographically distributed throughout the planning area. There is an on-going program with the Children’s Home Society; the TPO is partnering with them so when they donate bicycles, the children can come to the TPO office to be fitted for bicycle helmets.

Mr. Aufdenberg commented that the “Not so Noisy” Bike Week will be held in February 2019 and not April.

Mr. Blankenship replied she would update that and stated that last year’s “Not so Noisy” Bike Week was four different events; she is not sure yet how many events will be included this year.

Ms. Belin asked what the dates are for the event at Pathways Elementary School.

Ms. Blankenship replied July 5, 2018.

Ms. Hickey asked where the Tour de Palm Coast event would be.

Ms. Blankenship replied she is not sure; she is waiting on a response from Palm Coast.

Mr. McCallister asked if the TPO always joined in other people's events or if it did stand-alone events.

Ms. Blankenship replied, just other people's events. The only all-day event the TPO attends is Port Orange Family Days; all TPO staff participates.

Discussion continued.

Chairperson Storke encouraged members to review the draft list of events and try to attend one, especially if an event is in the city they represent.

Ms. Blankenship replied the TPO can always use extra help and volunteers at events.

Ms. Burgess-Hall commented she did not see the "One Voice for Volusia" Health Fair event listed.

Ms. Blankenship replied she would look into it.

Ms. Belin asked what time the events were typically held.

Ms. Blankenship replied it varies; the school helmet fittings are usually from 1:00 pm to 4:00 pm.

V. Staff Comments

→ Update on the R2CTPO Bicycle Suitability Map

Mr. Harris stated a meeting notice went out yesterday for the June 20, 2018 Bicycle Suitability Map Subcommittee meeting at 3:30 pm to review the methodology and suitability levels of the map. The draft map is not currently available but will be by then; the consultant will be present to answer any questions. He expects to have a presentation of the draft map at the next BPAC meeting on August 8, 2018.

Mr. Harris stated the TPO Board had a discussion regarding the annual Call for Projects process and if members are interested in the details of that discussion, the recording of the meeting is available on the TPO website.

VI. Information Items

- 2018 R2CTPO Draft List of Priority Projects
- BPAC Attendance Record
- BPAC Project Review Subcommittee Report
- TPO Board Meeting Summary (May 2018)
- TPO Outreach & Activities (May 2018)

VII. BPAC Member Comments

Mr. Mostert announced the Sugar Mill/I-95 Interchange meeting this evening and asked for confirmation of the location.

Ms. Haldeman replied it is at the Sugar Mill Country Club.

Mr. Ziarnek commented he would be attending that meeting; the address is 100 Clubhouse Circle, New Smyrna Beach. FDOT should have wayfinding signs at the guard house to direct attendees.

Mr. Aufdenberg announced he participated for the third time in the Washington D.C. Bike Ride where they shut down 20 miles of streets; bicyclists from around the world attended. He was also recently in Toronto, Canada and went on a bike ride through the inner city and the city council members rode along and bragged about their wards. That is now his new standard for city council members; to participate in bike rides. He encouraged members to look out for the new draft Bicycle Suitability Map; it is something he is very passionate about and wants to make sure it is as accurate as possible.

Mr. Coletti announced he would be going on one of his regular bike rides tomorrow morning and the route will be on the new map; he explained the route and stated there are roundabouts in parts of it which is the most dangerous part of his ride. He asked that there be good signage at the new roundabout at Cody's Corner in Bunnell that will direct people how to navigate it.

Mr. Dodzik stated he previously lived in Carmel, Indiana where there are more roundabouts than anywhere else in the United States but they are very well marked on the pavement as how to navigate the roundabout.

Ms. Haldeman announced there was a presentation at the Edgewater City Council meeting last week on the success of the Bike Florida event held in Edgewater; the overall economic impact was over \$800,000.

Mr. Ziarnek announced the meeting tonight is a Public Kick-Off Meeting for the PD&E Study of the I-95 and Pioneer Trail new interchange; the study will be from Williamson Boulevard to Turnbull Bay Road. The objective of the study is to provide the potential impacts of the proposed I-95/Pioneer Trail interchange in Volusia County and assess the proposed project's impact on social, economic, natural, cultural and physical environment. It will be a very comprehensive meeting and he encouraged members to attend. FDOT is preparing to begin counting non-motorized users; people walking and biking. Some districts in the state have been conducting independent counts of pedestrians and bicyclists. He announced a guide he recently read from the Federal Highway Administration (FHWA) for improving pedestrian safety and encouraged members to read it as well as a guide from the Department of Housing and Urban Development (HUD) for creating walkable and bikable communities. HUD provides a different perspective than transportation agencies.

Ms. Burgess-Hall asked if those guides were available on the website.

Mr. Ziarnek replied he would send the link to Ms. Stewart and Mr. Harris to distribute.

Mr. McCallister referred to the pedestrian and bicycle counts and asked Mr. Ziarnek to describe how they would account for pathways people would use if they felt safe but do not because they do not feel safe. He would hate for the study to reflect that people do not want to bicycle in a certain area when they actually do but do not because of a lack of safety. He used Orange Camp Road from Lake Helen to the DeLand commercial center as an example; even with his bicycling experience he will not ride it at certain times of the day.

Mr. Ziarnek replied he has input with the state and he will address it; that will be taken into consideration. The statewide FDOT Bicycle and Pedestrian Coordinator has a degree in public health and one in planning and she approaches it from a valuable user and equity perspective. Her name is Mary O'Brien.

Mr. Aufdenberg asked when the complete streets assignments would come down.

Mr. Ziarnek replied they are currently being worked on; he is not exactly certain when they will be completed.

Ms. Burgess-Hall asked for an update on the proposed roundabout at International Speedway Boulevard (ISB) and SR A1A.

Mr. Ziarnek replied there is nothing new to report.

Mr. Harris stated he has reached out to the city of Daytona Beach regarding the roundabout but they were unable to accommodate the TPO with a presentation. The project is on its way to being funded for design. Once that occurs, he will have more information. He will keep the BPAC posted on new developments.

Mr. Ziarnek stated this past week, Palm Coast city officials met with FDOT regarding roundabouts and the roundabouts in Palm Coast are not FDOT designed. The problematic roundabouts that FDOT consistently hears complaints about were not designed by FDOT; FDOT designs modern roundabouts with traffic deflection. The roundabouts in Palm Coast do not have deflection to traffic which allows motorized vehicles to travel through at high speeds; FDOT roundabouts are designed to slow a motorized vehicle down to approximately 25 miles per hour (mph).

Chairperson Storke reminded the committee of the East Coast Greenway Alliance Workshop to be held on July 11, 2018 at 9:00 a.m. at the TPO.

III. Adjournment

The BPAC meeting adjourned at 4:26 p.m.

River to Sea Transportation Planning Organization

**Mr. Robert Storke, Chairman
Bicycle/Pedestrian Advisory Committee (BPAC)**

CERTIFICATE:

The undersigned duly qualified and acting Recording Secretary of the River to Sea TPO certifies that the foregoing is a true and correct copy of the minutes of the June 13, 2018 regular meeting of the Bicycle/Pedestrian Advisory Committee (BPAC), approved and duly signed this 8th day of August 2018.

**Debbie Stewart, Recording Secretary
River to Sea Transportation Planning Organization**

**SUMMARY SHEET
BPAC
AUGUST 8, 2018**

III. ACTION ITEMS

B. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2018-## AMENDING THE FY 2018/19 – 2022/23 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

BACKGROUND INFORMATION:

Each year, FDOT develops the Tentative Five-Year Work Program that becomes effective on July 1st. The TPO incorporates the tentative Work Program into the new Transportation Improvement Program (TIP), which is also effective on July 1st. Year 1 of the TIP and the Work Program should always match. However, when the new TIP and Work Program become effective, there are often projects that were supposed to get authorized prior to June 30th (i.e. when the previous TIP and Work Program were in effect), but did not. These projects will automatically roll forward in the Work Program, but not in the TIP. Hence, there is a need to reconcile the two documents and bring the new TIP up-to-date. This is accomplished by what is known as a “roll forward” TIP amendment.

When FDOT releases the Roll Forward Report, the TPO receives a letter from the FDOT-TPO Liaison, listing the "roll forward" projects along with other changes/amendments needed to reconcile the TIP with the Work Program. A copy of the roll-forward request letter can be accessed through the following link (<https://www.r2ctpo.org/wp-content/uploads/R2CTPO-Annual-Roll-Forward-letter.pdf>).

The proposed amendment is authorized in the enclosed Resolution 2018-XX and the revised Draft FY 2018/19 – 2022/23 TIP incorporating the changes associated with this amendment is provided in Attachment “A”, which can be accessed through the following link: <https://www.r2ctpo.org/wp-content/uploads/DRAFT-FY-2018-19-to-FY-2022-23-TIP-7-30-18.pdf>. Included in the agenda package is a summary table prepared by TPO staff which references the project’s corresponding page number in Attachment “A” and identifies which projects are roll forward from the previous TIP, new projects to the TIP or existing projects with added funds. Notable project additions/revisions included in the TIP amendment are identified in the table.

ACTION REQUESTED:

MOTION TO RECOMMEND APPROVAL OF RESOLUTION 2018-## AMENDING THE FY 2018/19 – 2022/23 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2018-##

**RESOLUTION OF THE RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION
AMENDING THE FY 2018/19 TO FY 2022/23
TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

WHEREAS, the River to Sea Transportation Planning Organization (TPO) is the duly designated and constituted body responsible for carrying out the urban transportation planning and programming process for Volusia County and portions of Flagler County inclusive of the cities of Flagler Beach, Beverly Beach and portions of Palm Coast and Bunnell; and

WHEREAS, Florida Statutes 339.175; 23 U.S.C. 134; and 49 U.S.C. 5303 require that the urbanized area, as a condition to the receipt of federal capital or operating assistance, have a continuing, cooperative and comprehensive transportation planning process that results in plans and programs consistent with the comprehensively planned development of the urbanized area; and

WHEREAS, the River to Sea TPO shall annually endorse and amend as appropriate, the plans and programs required by 23 C.F.R. 450.300 through 450.324, among which is the Transportation Improvement Program (TIP); and

WHEREAS, the River to Sea TPO's adopted TIP is required to be consistent with the Florida Department of Transportation's adopted Five-Year Work Program; and

WHEREAS, the Florida Department of Transportation has provided additional information to the River to Sea TPO regarding the FDOT adopted Five-Year Work Program.

NOW, THEREFORE, BE IT RESOLVED, by the River to Sea TPO that the:

1. River to Sea TPO's FY 2018/19 to FY 2022/23 TIP is hereby amended as shown in Attachment "A" attached hereto and made a part of this resolution; and the
2. Chairperson of the River to Sea TPO (or his/her designee) is hereby authorized and directed to submit the FY 2017/18 to FY 2021/22 TIP as amended to the:
 - a. Florida Department of Transportation;
 - b. Federal Transit Administration (FTA);
 - c. Federal Highway Administration (FHWA); and the
 - d. Department of Economic Opportunity.

DONE AND RESOLVED at the regularly convened meeting of the River to Sea TPO held on the 22nd day of August 2018.

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

**VOLUSIA COUNTY COUNCIL VICE CHAIR DEB DENYS
CHAIRPERSON, RIVER TO SEA TPO**

CERTIFICATE:

The undersigned duly qualified and acting Recording Secretary of the River to Sea TPO certified that the foregoing is a true and correct copy of a resolution, adopted at a legally convened meeting of the River to Sea TPO held on August 22, 2018.

ATTEST:

**DEBBIE STEWART, RECORDING SECRETARY
RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION**

Summary of FDOT TIP Amendment Request

FM #	Project Description	Amendment Action	Amount	DRAFT TIP Page #
4220011	SR 5 (US 1) Resurfacing from Hibiscus Av to Woodland Av	Add Project	\$100,309	134
4271911	SR 5 (US 1) Traffic Signal at Seminole Woods Blvd	Add Project	\$381	66
4295731	SR A1A from S 28th Street to S 7th Street	Roll Forward	\$3,842,463	147
4323461	SR 20/100 Resurfacing	Roll Forward	\$49,075	153
4335371	SR 5 (US 1) Bridge Over Hulett Branch - Repair	Add Project	\$123,275	157
4372011	Old Kings Rd Box Culverts	Add Funds	\$135,000	166
4383253	Natural Disaster Flagler Off State On Fed Emergency Sign Repair	Add Project	\$101	176
4383254	Natural Disaster Flagler Off State Off Fed Emergency Sign Repair	Add Project	\$101	177
4383255	Natural Disaster Flagler Interstate Emergency Sign Repair	Add Project	\$101	178
4383404	Natural Disaster Volusia Off State Off Fed Emergency Sign Repair	Add Project	\$101	182
4383405	Natural Disaster Volusia Interstate Emergency Sign Repair	Add Project	\$101	183
4398731	SR A1A Trail (SJR2C) in Flagler Beach	Add Funds	\$10,000	267
* 2408361	SR 40 from SR 15/US 17 to SR 11	Add Funds	\$2,304,490	42
2409925	SR 5 (US 1) Intersection Improvement - Canal St	Add Funds	\$5,833	60
2409929	SR 5 (US1) at LPGA Blvd	Add Project	\$26,040	63
2421721	CR 4050 Orange Ave BR#794003 Veterans Memorial Bridge	Add Project	\$3,739	107
2427152	I-95 0.5 Miles N of SR 44 to 1.6 Miles N of US 92	Roll Forward	\$593,965	44
4068694	I-95 Widening - Brevard County Line to 0.5 Mi North of SR 44	Roll Forward	\$556,000	45
4068696	I-95 from 0.5 mile N of SR 44 S of I-4	Roll Forward	\$9,661	46
4073554	SR 415 Widening - Reed Ellis Rd to Acorn Lake Rd	Add Project	\$12,290	47
4084642	SR 400 (I-4) E of SR 16/600 (US 17/92) to 1/2 Mile E of SR 472	Roll Forward	\$812,974	49
4102511	SR 15 (US 17) Widening - DeLeon Springs to SR 40	Add Funds	\$432,256	50
4106761	SR 40 Lake County Line to SR 15/US 17	Add Project	\$4,620	51
4154348	East Central FL Rail Trail - Seg. 4A - Guise Rd to Gobbler's Lodge Rd	Roll Forward	\$6,928	248
4154349	East Central Regional Rail Trail - Gobbler's Lodge Rd to Maytown	Roll Forward	\$11,309	249
4180211	SR 600 (US 92) - Williamson Blvd Intersection Improvement	Add Project	\$19,133	64
4190411	Beville Rd (SR 400) and Saxon Blvd (CR 4146) over I-4	Add Project	\$45,795	130
4195951	SR 600 (US 92) Resurfacing	Add Project	\$4,118	131
4201101	SR 415 over St Johns River Bridge	Add Project	\$500	132
4217051	SR 5A (Nova Rd) Lighting from SR 430 to Flomich Street	Add Project	\$47,350	133
4220231	SR 15 US 17 from S OF 4TH Street to Putnam Co Line	Add Project	\$151,170	135
4220302	SR 40 from W of Washington St to Begin of Bridge 790032	Add Project	\$11,136	136
4233601	SR 11 from Old Perkins Hwy to Flagler Co Line	Add Project	\$4,186	137
4238541	I-95 (SR 9) Over Cow Creek Bridge 790061	Add Project	\$25,603	138
4249041	SR 40 from Tymber Creek Rd to E Of Perrott St	Add Project	\$58,308	139
4272671	SR 44 from W of SR 415/Cr415 To East Of Jungle Rd/Hidden Pines	Add Project	\$326,172	141
4275661	SR 5 (US 1) BRIDGE# 790004 & 790087 Paint, Slope Repair	Add Project	\$2,626	142
4276321	SR 421 Dunlawton Ave @Village Trail Port Orange	Add Project	\$1,787	67
4286881	SR5/US1 (RIDGEWOOD) from S of Harbor Rd to Fleming Ave	Add Project	\$543	146
4289471	SR 40 from Breakaway Trail to Williamson Blvd	Add Funds	\$5,881	53
4299431	SR15/600 (US 17-92) From Voorhis Ave to Wisconsin Ave	Add Project	\$34,740	148
4302151	SR40 MULTI-USE TRAIL PH 3 from Old Tomoka Road to Airport Road Ext.	Add Project	\$9,400	250
4303391	SR A1A at 3RD Avenue Re-Align North Approach	Add Project	\$894	69
4306791	SR15/600 (US 17-92) from N of SR15A/Taylor Rd To Chelsea Ave	Add Project	\$32,061	149
4306811	SR 430 (SEABREEZE) from SRA1A (ATLANTIC AVE) to Begin Bridge # 790174	Add Project	\$9,966	150
4306821	SR 441 (PENINSULA) from S of Silver Beach TO SR 600 (US 92)	Add Project	\$20,895	151
4310651	Volusia County Multiple Locations Bridge Deck Sealing	Add Project	\$221,110	152
4311441	SR 40 CSX Crossing # 621284-W	Roll Forward	\$201	70
4311881	SR 600 (US92) International Speedway FEC Crossing # 271962-K	Add Project	\$787	71
4311891	SR 5 (N Nova Rd) FEC Crossing # 271919-E	Add Project	\$973	72
4324412	SR 472 E of Martin Luther King To W Of Graves Ave	Roll Forward	\$142,426	154
4324422	SR 600 (US 92) from Harney St. to Lockhart St	Roll Forward	\$5,000	155
4332621	SR A1A Over Halifax River	Add Project	\$825	156
4344531	SR 421 (Dunlawton Av) Rail Crossing #271958V Rehabilitation	Roll Forward	\$2,500	73
4344551	SR 40 from Interchange Blvd to I-95 SB Ramps	Roll Forward	\$18,095	74
4348831	SR 600 (US 92) from Midway Ave to Adams St	Roll Forward	\$9,333	75
4348851	SR 5 (US 1) at Venture Rd	Add Project	\$1,336	76
4352471	SR 44/SR A1A/SR 430W B/SR 430EB Over IWW Bridges#790148/172/174/175	Add Project	\$10,545	158
4352821	SR 9 (I-95) Over Tomoka River Bridges # 790078 & 790077	Add Project	\$4,529	159
4354041	SR 15/600 (US 17/92) from Firehouse Road to Beresford Avenue	Add Project	\$76,072	77
4355951	Doyle Road Paved Shoulders from Lush Lane to Courtland Blvd	Roll Forward	\$5,000	78
4356751	SR 44 at Airport Road	Add Project	\$11,905	80
4363661	SR 44 Traffic Signals from Palmetto St to Live Oak St	Add Funds	\$133,172	82
4369371	SR 40 (Granada Blvd) Over Halifax River IWW	Roll Forward	\$12,527	162
4370541	SR 15/600 (US17-92) from East Plymouth Ave to Mercers Fernery Rd	Add Project	\$250,000	163
4371621	SR 5A Nova Rd Canal from Canal view Blvd to 10TH ST	Add Project	\$2,787	165
4374471	SR 44 BRIDGE REPAIRS 2 LOCATIONS 790149 & 790150	Roll Forward	\$2,338	168

Summary of FDOT TIP Amendment Request

FM #	Project Description	Amendment Action	Amount	DRAFT TIP Page #
4374481	SR 46 over St Johns River Bridge 790030	Roll Forward	\$19,480	169
4378171	SR 5 (US 1) Bridge #790117 and SR 40 Bridge #790026	Roll Forward	\$9,279	170
* 4379351	Barracuda Blvd from Quay Assisi to the Middle Way	Add Funds	\$768,257	171
4379361	Fifth Street Bridge from S Riverside Dr to Commodore Dr	Add Funds	\$5,000	172
4383395	Natural Disaster Volusia Countywide - Hurricane Matthew	Roll Forward	\$500	179
4383403	Natural Disaster Volusia off State on Fed Emergency Sign Repair	Roll Forward	\$101	181
4383404	Natural Disaster Volusia off State on Fed Emergency Sign Repair	Roll Forward	\$101	182
4383405	Natural Disaster Volusia Interstate Emergency Sign Repair	Roll Forward	\$101	183
4393921	SR 44 at Grand Ave	Add Project	\$7,367	93
4398661	S Beach Street from Wilder Blvd to Shady Place	Roll Forward	\$1,000	262
4398681	S Beach St from Bellevue Ave to Marina Point Drive	Roll Forward	\$1,000	263
4398691	S Beach St from Marina Point Dr to Orange Ave	Roll Forward	\$1,000	264
4398701	St Johns River to Sea Loop Ballough Bridge	Add Funds	\$1,000	265
4398711	N Beach St from 350 Feet South Of 2nd St to 2nd St	Roll Forward	\$1,000	266
4398751	St Johns River to Sea Loop from Grand Ave/Baxter St to SR 15 (Us 17)	Add Funds	\$1,000	269
4398771	SR 15 (US 17) from Washington Ave to Palmetto Ave	Roll Forward	\$55,481	271
4398813	Volusia County Pedestrian Lighting Bundle C	Roll Forward	\$92,924	272
4398814	Volusia County Pedestrian Lighting Bundle D	Roll Forward	\$282,752	273
4398815	Volusia County Pedestrian Lighting Bundle E	Roll Forward	\$228,262	274
4408521	Tomoka Elementary Connector Sidewalk	Roll Forward	\$18,200	277
4408531	Williamson Blvd/Hand Ave Pedestrian Improvements	Roll Forward	\$28,400	278
4409201	Tivoli Drive @ Providence Blvd to Saxon Blvd	Roll Forward	\$5,000	95
4409661	I-4 (SR 400) EB & WB over Dirksen Dr Bridge # 790042 & 790100	Add Funds	\$2,000	194
4424671	SR 15/US 17-92 at Fort Florida Road Traffic Signal	Add Funds	\$10,270	102
4424991	State Road 44 from Airport Road to East 3rd Avenue	Add Funds	\$5,000	103
4425221	State Road 421 from Summer Trees Road to SR 5/A1A	Add Funds	\$5,000	105
4429341	Midway Ave at Catalina Dr Mast Arm Repair- Hurricane Matthew	Add Project	\$193,020	218
4430141	Turtlemound Road - Volusia County - Hurricane Irma	Add Project	\$223,145	219
2433341	DeLand Kepler Road Complex - Maint & M/R Phase II	Add Project	\$1,000	109
4370251	Flagler-Flagler Co Terminal Building	Add Project	\$80,000	303
4370331	Volusia-Ormond Beach Business Park Development	Roll Forward	\$3,080,000	304
4370381	Deland Municipal Airport Construct Hangar	Roll Forward	\$719,020	307
4384751	Volusia-New Smyrna Land Acquisition	Add Funds	\$432,337	320
4420631	Volusia-Daytona Bch Intl Taxiway "Echo" Runup Ramp	Add Project	\$1,200,000	330
4254411	Volusia-Votran Xu Set Aside Section 5307	Roll Forward	\$1,341,591	224
4302901	Volusia-Park & Ride	Roll Forward	\$34,558	227
4315331	Volusia-Section 5307 Capital for Fixed Route	Add Funds	\$10,000,000	229
4357131	County Of Volusia DbA Votran	Add Funds	\$577,221	237
4383251	Natural Disaster Flagler Countywide Emergency Sign Repair	Roll Forward	\$101	175
4422072	Pre-Event CEI (Debris Monitoring) - Flagler County - Hurricane Irma	Add Project	\$200	205
4422181	Temporary Emergency Repairs - SR A1A - Flagler County - Hurricane Irma	Add Project	\$14,497	207
4422472	Pre-Event CEI (Debris Monitoring) - Flagler County - Hurricane Irma	Add Project	\$200	208
4423051	In-House Time Sheet Charges - Flagler County - Hurricane Irma	Add Project	\$20,000	210
4383401	Natural Disaster Volusia Countywide Emergency Sign Repair	Roll Forward	\$101	180
4406311	Moveable Bridge Repairs - Volusia - Hurricane Matthew	Add Project	\$17,484	192
4411301	Movable Bridge Repairs Permanent - Volusia - Hurricane Matthew	Add Project	\$23,464	196
4422079	Pre-Event CEI (Debris Monitoring) - Volusia County - Hurricane IRMA	Add Project	\$200	206
4422479	Pre-Event CEI (Debris Monitoring) - Volusia County - Hurricane IRMA	Add Project	\$200	209
4424713	Fiber Optic Damage - Volusia County - Hurricane IRMA	Add Project	\$3,718	211
4428271	SR 46 Permanent Repairs	Add Project	\$119,190	217
* 4379421	East International Speedway Blvd. Beachside Corridor Improvement	Add Project	\$2,091,186	86

* Notable changes associated with this TIP amendment

**SUMMARY SHEET
BPAC
AUGUST 8, 2018**

III. ACTION ITEMS

**C. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2018-## ADOPTING
THE 2018 TELL THE TPO SURVEY CAMPAIGN SUMMARY**

BACKGROUND INFORMATION:

The draft preliminary results of the bi-annual 2018 Tell the TPO Survey Campaign were presented to the TPO Board and advisory committees at their June meetings.

H.W. Lochner will provide a brief presentation to wrap up the 2018 Tell the TPO Survey Campaign and the winner of the Advisory Committee Ambassador Challenge will be announced.

The draft Tell the TPO Survey Campaign Summary will be provided under separate cover for your review and recommendation of approval.

ACTION REQUESTED:

***MOTION TO RECOMMEND APPROVAL OF RESOLUTION 2018-## ADOPTING THE 2018
TELL THE TPO SURVEY CAMPAIGN SUMMARY***

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2018-##

RESOLUTION OF THE RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION ADOPTING THE 2018 TELL THE TPO SURVEY CAMPAIGN SUMMARY

WHEREAS, Florida Statutes 339.175; 23 U.S.C. 134; and 49 U.S.C. 5303 require that the urbanized area, as a condition to the receipt of federal capital or operating assistance, have a continuing, cooperative, and comprehensive transportation planning process that results in plans and programs consistent with the comprehensively planned development of the urbanized area; and

WHEREAS, pursuant to 23 U.S.C. 134, 49 U.S.C. 5303, 23 CFR 450.310, and Florida Statutes 339.175, the River to Sea Transportation Planning Organization (TPO) is the duly designated and constituted body responsible for carrying out the urban transportation planning and programming process for Volusia County and portions of Flagler County inclusive of the cities of Flagler Beach, Beverly Beach, and portions of Palm Coast and Bunnell; and

WHEREAS, 23 U.S.C. 450.316 requires that the River to Sea Transportation Planning Organization develop a Public Participation Plan that defines a process for engaging interested parties and for providing reasonable opportunities to be involved in the metropolitan transportation planning process of the River to Sea TPO; and

WHEREAS, the River to Sea Transportation Planning Organization has developed a Public Participation Plan that utilizes a variety of strategies that seek to improve awareness throughout the community of the role of the TPO as well as ensure opportunities for the public and interested parties to provide input; and

WHEREAS, the River to Sea Transportation Planning Organization develops and administers a public survey once every two years as part of this outreach effort.

NOW, THEREFORE, BE IT RESOLVED by the River to Sea TPO that the:

1. River to Sea TPO Board and advisory committees have reviewed and adopted the results of the 2018 Tell the TPO Survey Campaign Summary; and the
2. Chairperson of the River to Sea TPO (or her designee) is hereby authorized and directed to submit the 2018 Tell the TPO Survey Campaign Summary to the:
 - a. Florida Department of Transportation;
 - b. SunRail;
 - c. *reThink* Your Commute;
 - d. Votran; and
 - e. Flagler County Public Transportation.

DONE AND RESOLVED at the regularly convened meeting of the River to Sea TPO held on the 22nd day of August 2018.

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

**DEBARY VICE MAYOR LITA HANDY-PETERS,
CHAIRPERSON, RIVER TO SEA TPO**

CERTIFICATE:

The undersigned duly qualified and acting Recording Secretary of the River to Sea TPO certifies that the foregoing is a true and correct copy of a resolution, adopted at a legally convened meeting of the River to Sea TPO held on August 22, 2018.

ATTEST:

**DEBBIE STEWART, RECORDING SECRETARY
RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION**



TELL THE TPO

Community Transportation Survey

TPO BOARD/COMMITTEE BRIEFINGS

AUGUST 2018

“Tell the TPO” Survey Goals

1. Obtain information about public opinion on hot button transportation issues and desires related to mobility options.
2. Engage the public in thinking about transportation planning issues.
3. Build partnerships with other agencies, civic organizations, and the business community.
4. Build the TPO’s database of interested residents, businesses and visitors.
5. Increase awareness and branding regarding the TPO.
6. Compare results from 2018 survey with baseline results from prior years’ surveys.

Survey Results

>> **TARGET GOAL: 2,000 Responses** <<

2018 Survey Highlights

? total responses


2014: 1,263

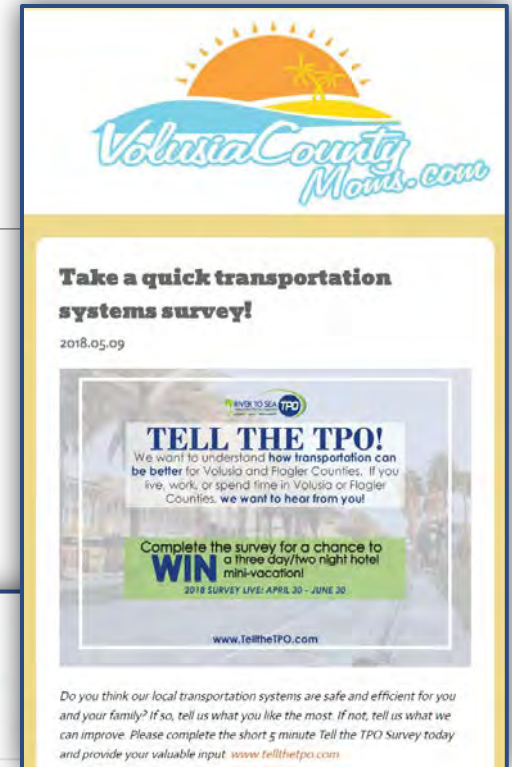
2016: 1,276

- increase over 2016 and 2014
- Directly partnered with community organizations for in-person events:
 - **East Volusia** – One Voice for Volusia Meeting
 - **West Volusia** – Volusia County Farmer's Market
 - **Flagler County** – Palm Coast Lunch & Learn
 - **Also attended:** Daytona Beach Juneteenth Celebration
BCU Equitable Development Conference
Oak Hill Community Festival
Volusia County League of Women Voters Judicial Forum
Trails Day Celebration
Tourism Week Breakfast Event



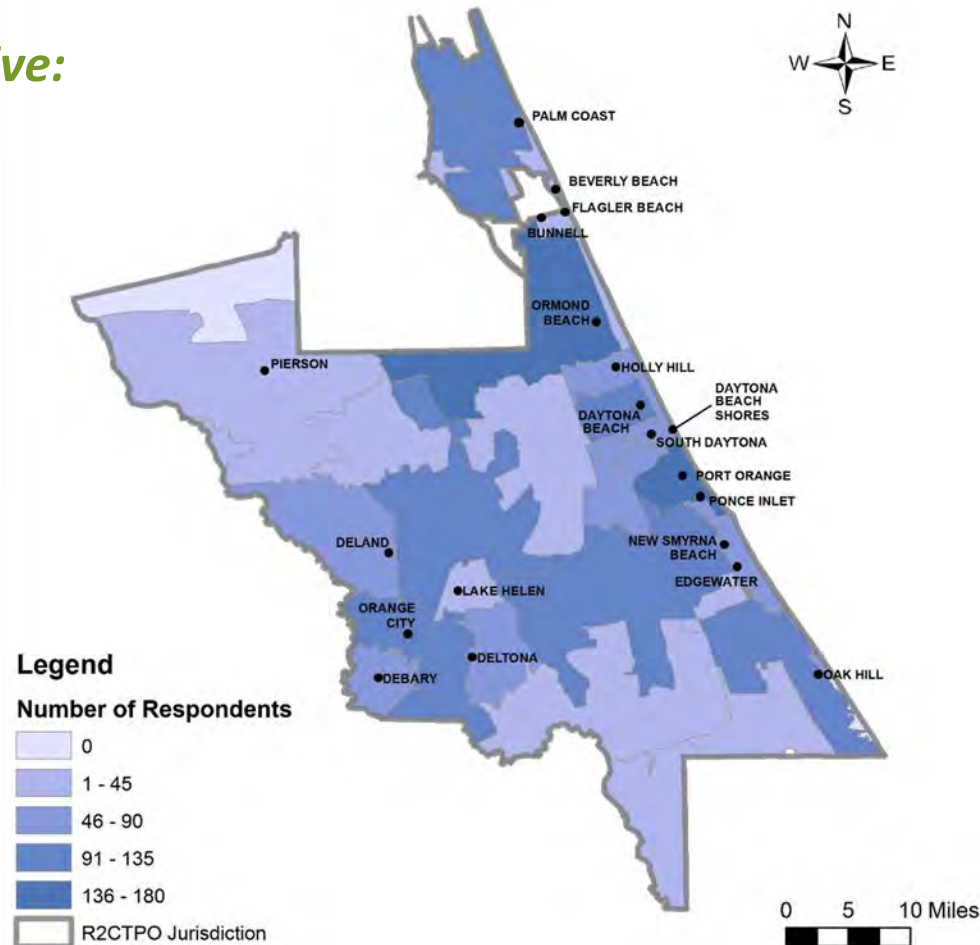
Outreach Highlights

- **Survey Media/Outreach Highlights:**
 - Volusia Magazine TV Spot
 - Volusia Today Radio Show
 - News Daytona Beach Article
 - East Coast Current Article
 - Big John Radio Show
 - News 13 TV Spot and Article
 - Hometown News
 - Volusia County Moms Blog
 - All Libraries in Volusia and Flagler Counties
 -  107 pages/people shared
 -  43 tweets/people shared



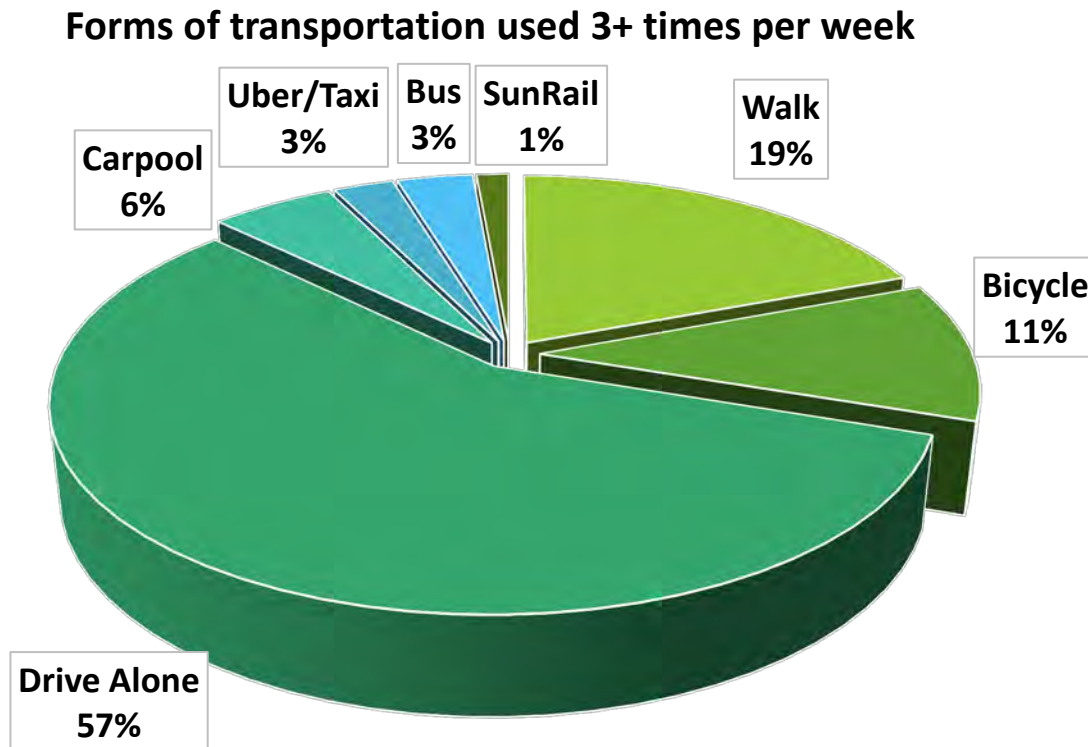
About the Respondents

Where respondents live:



About the Respondents

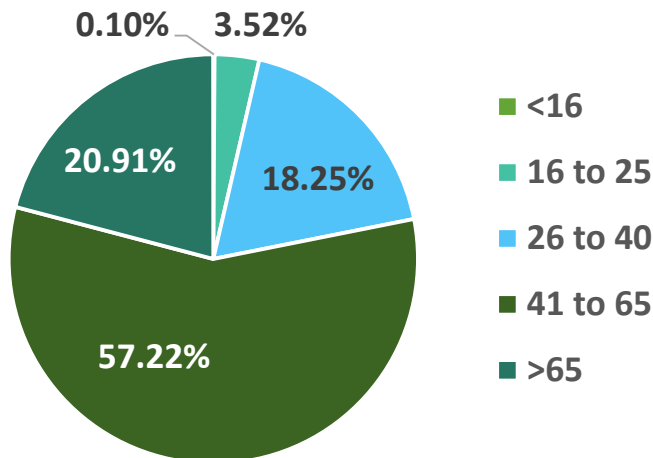
- **93%** had not taken a Tell the TPO Survey previously
- Transportation Habits:



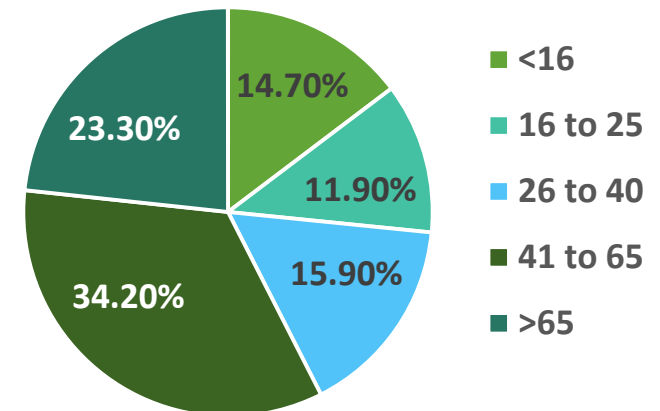
About the Respondents

Demographics – Age:

Age, Survey Respondents



Age, Volusia County

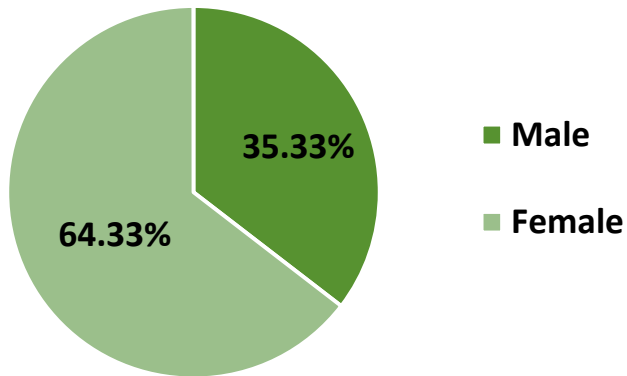


Source: US Census, ACS 2012-2016

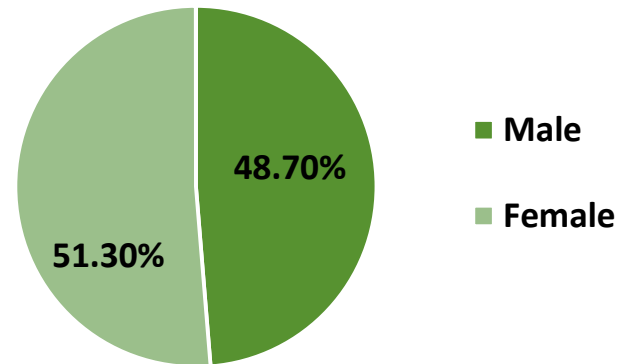
About the Respondents

Demographics – Gender:

Gender, Survey Respondents



Gender, Volusia County

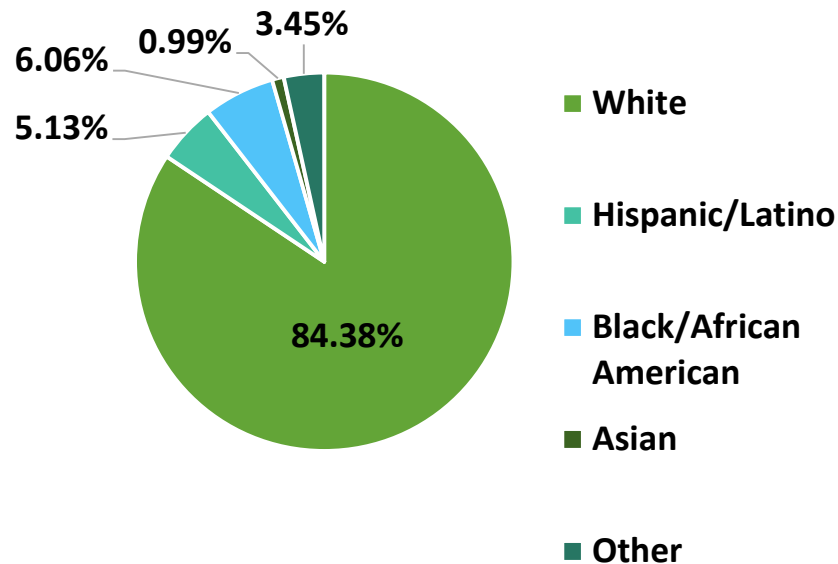


Source: US Census, Quickfacts, July 2017

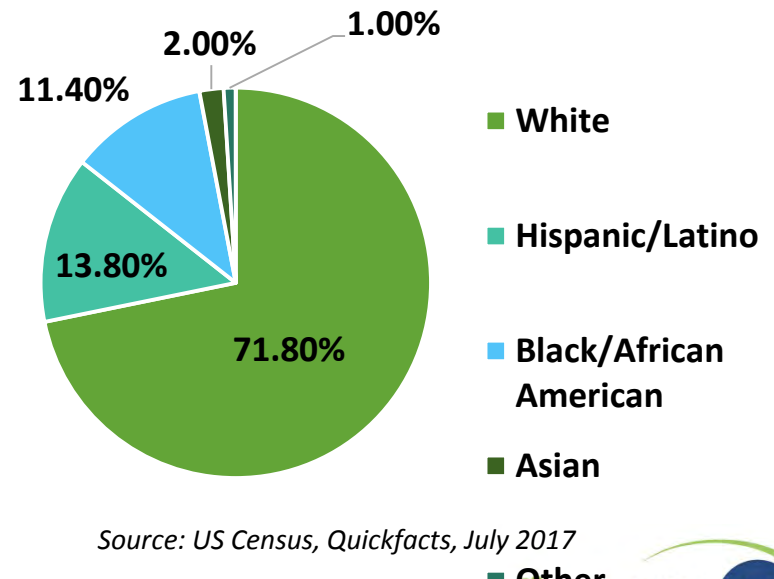
About the Respondents

Demographics – Race:

Race, Survey Respondents



Race, Volusia County



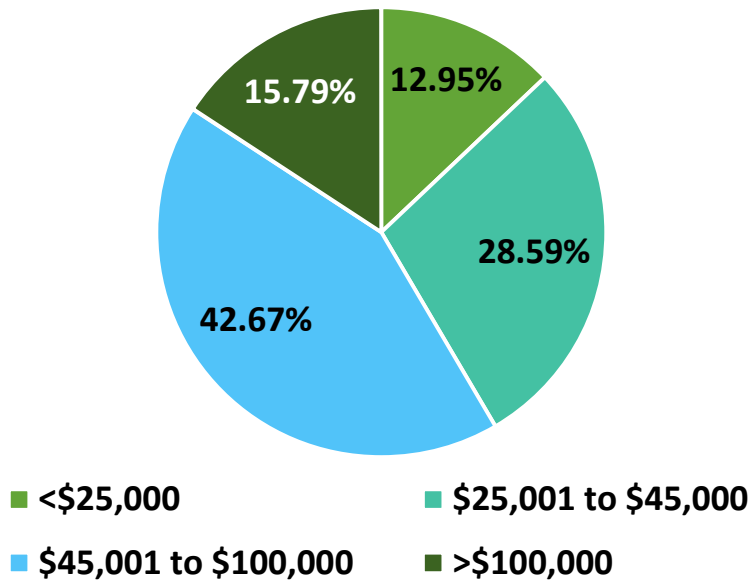
Source: US Census, Quickfacts, July 2017



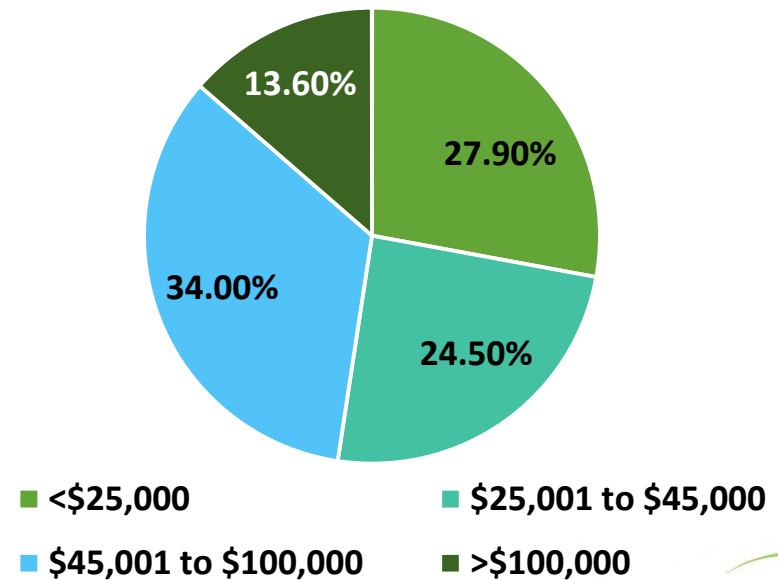
About the Respondents

Demographics – Income:

Income, Survey Respondents



Income, Volusia County



Source: US Census, ACS 2012-2016

Findings - Highlights

Satisfaction with the current transportation system:

Satisfied

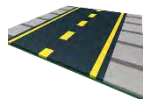
Sidewalks/crosswalks – 52%*



Trails – 46%



Local Roads – 49%



Major streets – 50%

Interstate highways – 52%



Dissatisfied

Bicycle Lanes – 32%



Transit Service – 19%



Transit Shelters & Benches – 15%

* % *completely satisfied or somewhat satisfied*

Findings - Highlights

Prioritizing spending:

Highest Funding Priorities

Improve Roadway Safety (46%)
Improve transit service (37%)
Construct new bike lanes/trails (28%)
Replace aging facilities (28%)

Spend more on:

Improving roadway conditions

74%*



Implementing technology to
improve safety and efficiency

74%



Improving Walking Conditions

67%



Spend less on:

Encouraging carpooling

58%

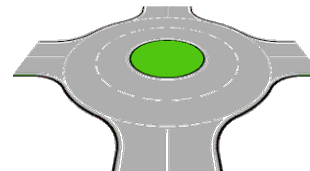


Building new roadways

58%

Traffic calming measures

50%



Requests for More Information



595



464



285



204



170

**FLAGLER COUNTY
PUBLIC TRANSPORTATION**



Any Questions?



www.tellthetpo.com

TPO Project Manager: Pamela Blankenship

pblankenship@r2ctpo.org

Consultant Project Manager: Lara Bouck

lbouck@hwlochner.com



**SUMMARY SHEET
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III. ACTION ITEMS

D. REVIEW AND RECOMMEND APPROVAL OF A REQUEST FROM PORT ORANGE TO INCREASE FUNDING FOR THE NORTH SPRUCE CREEK ROAD SIDEWALK/SUN TRAIL GAP

BACKGROUND INFORMATION:

The City of Port Orange is requesting additional funds for the design and construction phases of the North Spruce Creek Road Sidewalk. The project is located on the west side of Spruce Creek Road from Nova Road to Angelina Court (refer to Exhibit "A"). The proposed sidewalk is 8' wide, 720' long and programmed for construction in the current fiscal year, along with a sidewalk on the east side of North Spruce Creek Road from Nova Road to the Maplewood Subdivision. The additional funding will be used to widen the sidewalk on the west side of North Spruce Creek Road to a 10-12' wide trail for the SUN Trail Network. Supporting documentation regarding the request for additional funding will be provided under separate cover.

ACTION REQUESTED:

MOTION TO RECOMMEND APPROVAL OF A REQUEST FROM PORT ORANGE TO INCREASE FUNDING FOR THE NORTH SPRUCE CREEK ROAD SIDEWALK/SUN TRAIL GAP

0 500 1,000 Feet

**SUMMARY SHEET
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IV. PRESENTATIONS AND DISCUSSION ITEMS

A. PRESENTATION AND DISCUSSION OF THE R2CTPO FY 2017/18 YEAR IN REVIEW

BACKGROUND INFORMATION:

Staff will give a presentation on the highlights that the River to Sea TPO undertook during FY 2017/18. The presentation is available at:

<https://www.r2ctpo.org/wp-content/uploads/2017-18-Year-in-Review-Presentation.pdf>

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

**SUMMARY SHEET
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IV. PRESENTATIONS AND DISCUSSION ITEMS

**B. PRESENTATION AND DISCUSSION OF THE DRAFT ROADWAY SAFETY
EVALUATION AND IMPROVEMENT STUDY**

BACKGROUND INFORMATION:

The Roadway Safety Evaluation and Improvement Study is a follow-up to the River to Sea TPO's 2017 Crash Analysis Report. The methodology of this study is to:

- Review crash records of selected roadways and intersections
- Determine and select crash locations to be evaluated and reviewed
- Identify crash contributing factors for all crash types identified in the crash records by location
- Identify crash cluster locations
- Conduct field observations to verify contributing factors and locations mentioned in the crash records
- Summarize findings from the crash records review and the field observations
- Compare crash experience to national and statewide crash data, if available
- Identify crash reduction measures to reduce or eliminate overall vehicular crashes by locations

Ms. Martha Moore, Alfred Benesch & Company, is scheduled to deliver a presentation on the draft Roadway Safety Evaluation and Improvement Study.

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

ROADWAY SAFETY EVALUATION & IMPROVEMENT STUDY



BPAC Meeting

August 8, 2018
Alfred Benesch & Company

US 1 at SR 100 (Bunnell)



Project Information

Subject Study Area

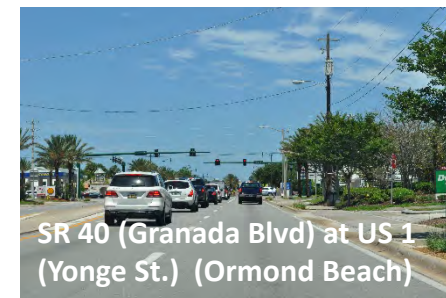
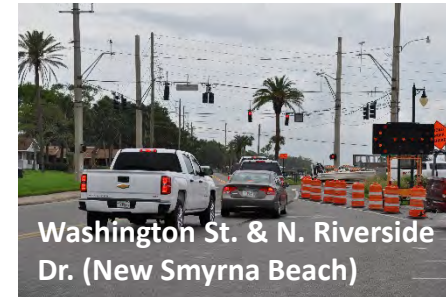
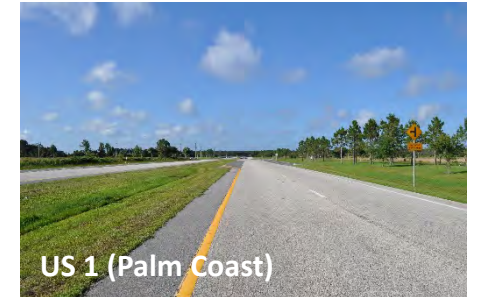
- R2CTPO planning area

Crash Data Collection Time Period

- 2012-2016

Crash Data Source

- Signal 4 Analytics



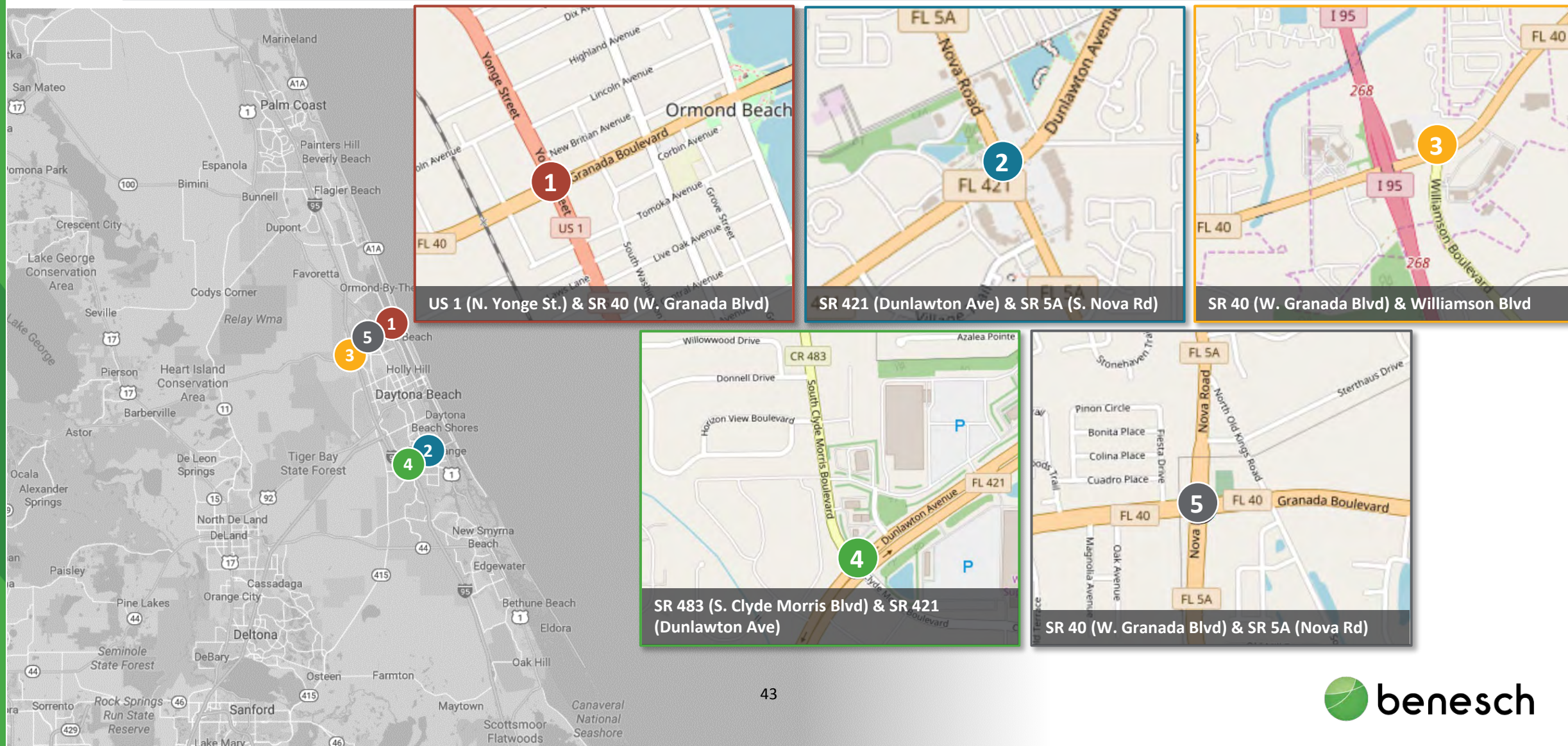
Project Scope

- **Build upon the 2017 Crash Analysis Report by the R2CTPO**
- **Identify top 5 intersections and top 5 road segments by crash severity and frequency**
 - Exclude SIS facilities and locations with planned improvements
- **Identify contributing factors for:**
 - All crashes
 - Rear end and left turn type crashes
 - Head-on, right angle and sideswipe type crashes

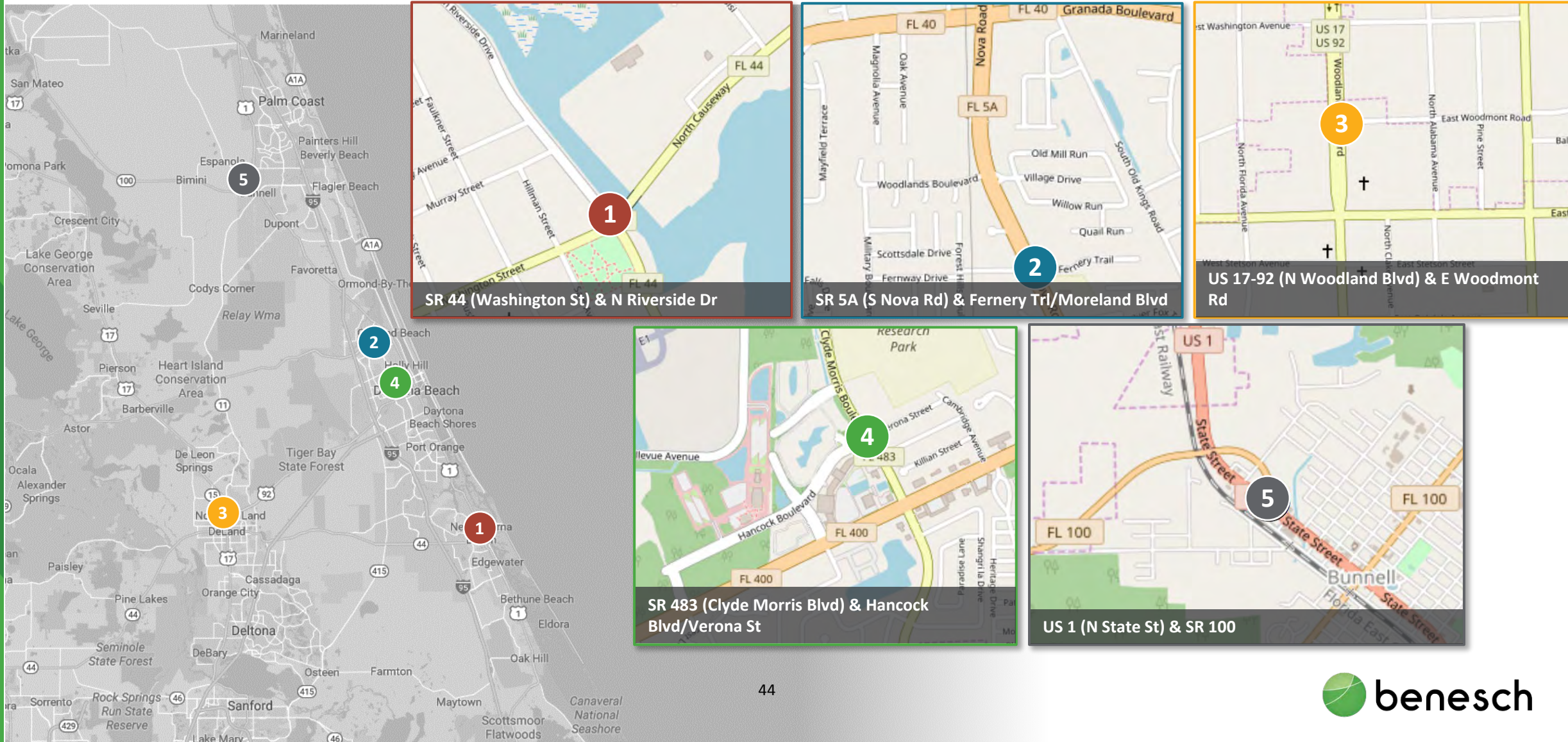
Project Scope (cont.)

- Conduct field observations to verify contributing factors
- Determine systemic issues and trends
- Compare to state and nationwide averages
- Provide crash mitigation plans
- Coordinate with and present findings to:
 - R2CTPO Board and Committees
 - Traffic Engineering, Law Enforcement and CTSTs

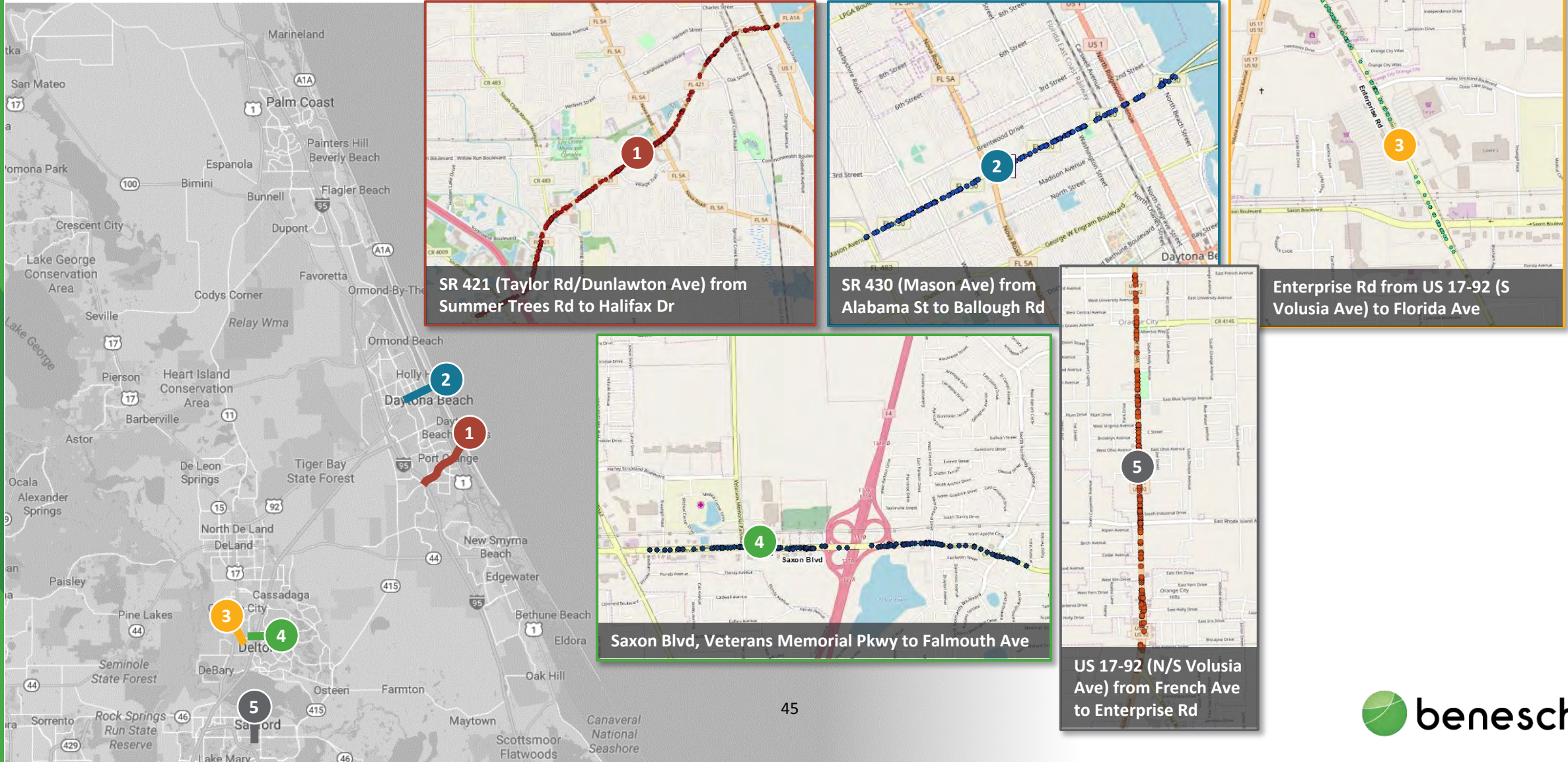
Intersections by Crash Frequency

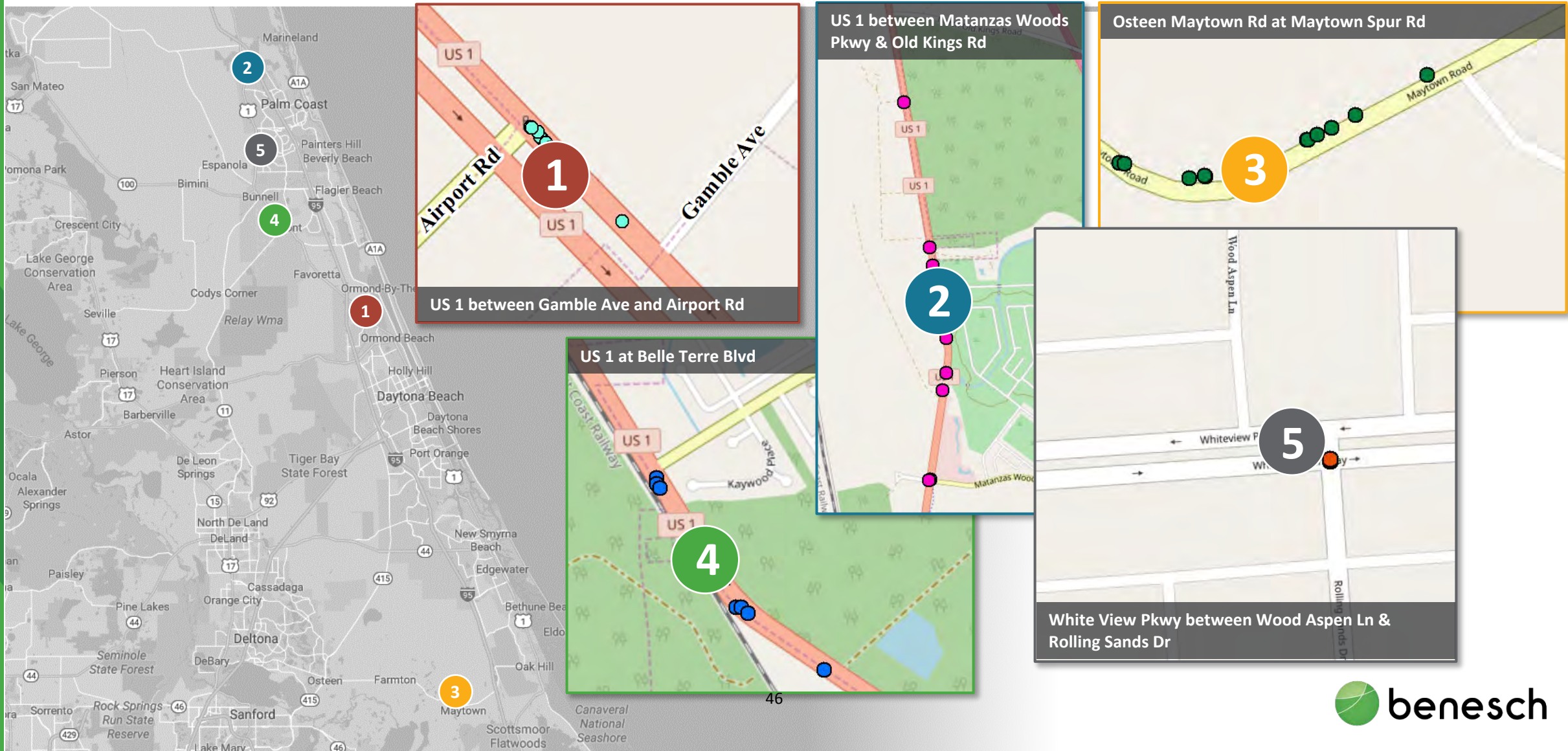


Intersections by Crash Severity



Segments by Crash Frequency





Schedule

	May	June	July	August	September
Kick-Off	15				
Crash Record & Field Review	-----				
Crash Reduction Measures			27		
CTSTs, Board & Committees			-----		
Draft Report				10	
Final Report					21

Questions?

**Send us your
feedback!**

Please send comments our
way by August 10.

For information, contact:

Stephan Harris, Project Manager

River to Sea TPO

sharris@r2ctpo.org

386-226-0422, Extension #20428

Martha L. Moore, PE, PTOE, Project Manager

Alfred Benesch & Company

mmoore@Benesch.com

904.396.5727

**SUMMARY SHEET
BPAC
AUGUST 8, 2018**

IV. PRESENTATIONS AND DISCUSSION ITEMS

C. PRESENTATION AND DISCUSSION OF THE DRAFT BICYCLE SUITABILITY MAP

BACKGROUND INFORMATION:

The Bicycle Suitability Map is a graphic representation of bicycle routes suitable for cycling in the River to Sea TPO planning area. The map is intended to be used as a navigation tool by the general public. It replaces the 2014 Volusia County Bicycling Map for the Experienced Cyclist. The Bicycle Suitability Map Subcommittee met on June 20th and July 11th to review the draft map (refer to the subcommittee meeting summaries in the information items section). TPO staff is scheduled to deliver a presentation on the draft Bicycle Suitability Map.

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

**SUMMARY SHEET
BPAC
AUGUST 8, 2018**

V. STAFF COMMENTS

VI. INFORMATION ITEMS

- BPAC Attendance Record
- BPAC Bicycle Suitability Map Subcommittee Reports
- June-July 2018 TPO Outreach & Activities
- June 27, 2018 TPO Board Meeting Report
- Votran Route 44 Flyer

VII. BPAC MEMBER COMMENTS

VIII. ADJOURNMENT

BPAC Attendance Record 2018

Name	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Notes
Holly Ryan/Doug Hall	x	exc	x	x	x	x						Daytona Beach (appt. 3/12) (alt. appt. 02/14)
Jeff Hodge	abs	abs	abs	abs	abs	abs						DeBary (appt. 3/15)
Ted Wendler	exc	x	exc	abs	exc	exc						DeLand (appt. 05/11) (appt. 6/14)
Scott Leisen	x	abs	abs	exc	abs	abs						Deltona (appt. 12/12)
Michelle Grenham	exc	x	x	exc	x	x						Edgewater (appt. 01/17)
Paul Eik (17/18 Vice Chairman)	x	x	x	x	x	x						Flagler Beach (appt. 7/14)
Larry Coletti/Andrew Dodzik	x	x	xx	x	xx	xx						Flagler County (appt 2/16)
Gilles Blais	x	x	x	x	x	x						Holly Hill (appt 3/17)
Nic Mostert	x	x	x	x	exc	x						New Smyrna Beach (appt. 03/15)
Bob Storke (17/18 Chairman)	x	x	x	x	x	x						Orange City (appt. 12/07)
Gayle Belin	x	exc	x	x	x	x						Ormond Beach (appt. 01/15 - 07/16)
Danielle Anderson	x	abs	exc	x	abs	exc						Palm Coast (Appt. 02/16)
Christy Gillis	exc	exc	exc	x	x	exc						South Daytona (appt. 01/16)
Patrick McCallister	abs	x	x	exc	x	x						Volusia County District 1 (appt. 10/16)(Patterson)
Roy Walters/Jason Aufdenberg	x	x	x	x	xx	x						Volusia County At-Large (appt. 03/05) (alt. appt 07/12)
Nancy Burgess-Hall	x	exc	x	x	x	x						Volusia County (app 2/14) D-2 (Wheeler)(alt. appt 09/15)(appt 3/18)
Alice Haldeman	x	x	x	x	x	x						Volusia County (appt. 04/13) D-3 (Denys)
<u>NON-VOTING MEMBERS</u>												
Wendy Hickey	exc	exc	x	x	exc	x						Flagler County (appt. 12/15)
Heidi Petito/Bob Owens	abs	abs	abs	abs	abs	abs						Flagler County Transit (appt 9/14)
Gwen Perney	x	x	exc	x	x	x						Large City - Port Orange (appt. 10/13)
John Cotton/Edie Biro	x	exc	abs	x	x	exc						Votran (appt. 07/13)(alt. appt. 02/16)
Melissa Winsett/Terri Bergeron	x	x	x	x	x	x						Volusia County (02/14) (alt. Appt. 09/16)
Rob Brinson/Eric Kozielski	abs	abs	abs	x	x	abs						Volusia County School Board (appt. 01/16)
Mike Ziarnek	x	exc	x	exc	x	x						FDOT (appt 8/17)
QUORUM	Y	Y	Y	Y	Y	Y						

Vacancies
Beverly Beach
Bunnell
Daytona Beach Shores
DeBary
Flagler County School Board
Flagler County Traffic Engineering
Lake Helen
Oak Hill
Pierson
Port Orange
Volusia County D-2
Volusia County Chair



**BPAC Bicycle Suitability Map Subcommittee
Meeting Summary
June 20, 2018**

- Reviewed Bicycle Suitability Levels and Scoring Methodology
- Revised point ranges used to determine Bicycle Suitability Levels:

Bicycle Suitability Level	Point Range
High Comfort	86 – 100
Medium Comfort	61 – 85
Low Comfort	36 – 60
Extremely Low Comfort	0 – 35

- Approved a motion to postpone Action Item B until the next meeting

****The next meeting will be on Wednesday, July 11, 2018****



**BPAC Bicycle Suitability Map Subcommittee
Meeting Summary
July 11, 2018**

- Reviewed draft .kml and .kmz files for Bicycle Suitability Map
- Approved a motion to postpone Action Item A

TPO Outreach & Activities Completed in June 2018

1 National Trails Day Helmet Fitting

Date: Saturday, June 2, 2018

Location: DeBary Hall

Description: TPO staff set up a display table and distributed promotional items as well as fitting and donating 40 bicycle helmets to children and adults.

2 National Association of Regional Councils (NARC) Conference

Date: Monday - Wednesday, June 4-6, 2018

Location: Orlando

Description: TPO staff and TPO Board Vice Chair attended the NARC conference.

3 Bethune-Cookman University Conference on Equitable Development

Date: Wednesday - Thursday, June 20-21, 2018

Location: Daytona Beach

Description: The River to Sea TPO was a sponsor of this event and staffed a table providing promotional items, Tell the TPO surveys and safety literature to attendees.

4 Summer School Helmet Fittings

June 7: Spirit Elementary, Deltona; 53 helmets

June 21: Port Orange Elementary, Port Orange; 50 helmets

June 28: Osteen Elementary, Osteen; 54 helmets

Description: TPO staff gave a presentation on bicycle safety, and fit and donated a total of 157 bicycle helmets to the students at 3 elementary schools.



BCU CONFERENCE

JULY EVENTS:

July 5: Pathways Elementary School Helmet Fitting, Ormond Beach

July 13: Joint Meeting of the Central Florida MPO Alliance Meeting and West Florida Chairs Coordinating Committee (CCC), Plant City

July 15-18: Floridians for Better Transportation (FBT) Summer Camp/MPO Advisory Council (MPOAC) Meeting, St. Petersburg

July 21: Tour de Palm Coast Helmet Fitting, Palm Coast

OTHER UPCOMING EVENTS:

August 2: MPO Advisory Council Meeting, Orlando

August 22-24: Transportation Research Board "Tools of the Trade" Conference and TPO Presentation on Resilience in Volusia County and Flagler County, Kansas City, MO

August 30: Central Florida Commuter Rail Commission Meeting, MetroPlan Orlando

ONGOING PROJECTS & STUDIES:

- 2018 "Tell the TPO" Survey Campaign
- Votran Bus Stop Improvement Plan
- Flagler County Fixed Route Transit Operations Plan
- I-95 to SR 417 Connector Environmental Study
- Development of Bicycle Suitability Map
- TSM&O (ITS) Masterplan Phase II
- Central Florida Visitors Study PAG
- Regional Truck Parking Study PAG
- Central Florida Regional Transit Study PAG
- Resilient Flagler County Study
- SR 442 Sidewalk Feasibility Study
- Ponce Inlet Mobility Feasibility Study
- 2018 Crash Analysis Report
- Data Update for Central Florida Regional Model

TPO Outreach & Activities Completed in July 2018

1 Pathways Elementary School Helmet Fitting

Date: Thursday, July 5, 2018

Location: Ormond Beach

Description: TPO staff gave a presentation on bicycle safety, and fit and donated 38 bicycle helmets to the students.

2 Joint Meeting of the Central Florida MPO Alliance (CFMPOA) and West Florida Chairs Coordinating Committee (CCC)

Date: Friday, July 13, 2018

Location: Plant City

Description: TPO staff attended the joint meeting of the CFMPOA and West Florida CCC.



PATHWAYS ELEMENTARY SCHOOL

AUGUST EVENTS:

August 2: MPO Advisory Council Meeting, Orlando

August 10: Central Florida MPO Alliance Meeting, Orlando

August 10: Flagler County's First Day of School

August 13: Volusia County's First Day of School

August 22-24: Transportation Research Board "Tools of the Trade" Conference and TPO Presentation on Resilience in Volusia and Flagler Counties, Kansas City, MO

August 30: Central Florida Commuter Rail Commission Meeting, MetroPlan Orlando

OTHER UPCOMING EVENTS:

September 3: Labor Day Holiday, TPO Office Closed

September 10-11: Central Florida GIS Workshop, Daytona Beach

September 11-14: 2018 Florida APA Annual Conference, West Palm Beach

3 Floridians for Better Transportation (FBT)/Florida Transportation Commission (FTC) Transportation Summer Camp/MPO Advisory Council (MPOAC) Meeting

Date: Sunday - Wednesday, July 15-18, 2018

Location: St. Petersburg

Description: TPO staff attended the FBT/FTC Summer Camp conference and MPOAC Policy and Technical Subcommittee meeting.

4 Tour de Palm Coast Helmet Fitting

Date: Saturday, July 21, 2018

Location: Palm Coast

Description: TPO staff attended and fit bicycle helmets and provided safety promotional items.



TOUR DE PALM COAST

ONGOING PROJECTS & STUDIES:

- 2018 "Tell the TPO" Survey Campaign
- Development of 2017/18 TPO Annual Report
- Votran Bus Stop Improvement Plan
- Flagler County Fixed Route Transit Operations Plan
- I-95 to SR 417 Connector Environmental Study
- Development of Bicycle Suitability Map
- Central Florida Visitors Study PAG
- Regional Truck Parking Study PAG
- Central Florida Regional Transit Study PAG
- Resilient Flagler County Study
- Golfview Blvd. Shared-Use Path Feasibility Study
- Roadway Safety Evaluation & Improvement Study
- Data Update for Central Florida Regional Model



River to Sea TPO Board Meeting Summary June 27, 2018

- Received public comment regarding traffic operations safety concerns at the intersection of Dunlawton Avenue and Peninsula Drive. Directed TPO staff to follow up.
- Approved consent agenda including approval of the May 23, 2018 TPO Board meeting minutes, Resolution 2018-13 authorizing the filing and execution of a grant application with the Federal Transit Administration (FTA) for Section 5305(d) funds, Resolution 2018-14 authorizing coordination with Votran to submit the Local Transportation Disadvantaged Program Administrative Support Grant for the distribution of Transportation Disadvantaged (TD) Planning funds, the expenditure for the Golfview Boulevard Shared Use Path Feasibility Study (\$33,196.37) and the cancellation of the July Executive Committee and TPO Board Meetings
- Approved Resolution 2018-15 adopting the FY 2018/19 to 2022/23 Transportation Improvement Program (TIP)
- Approved Resolution 2018-16 adopting the 2018 List of Priority Projects (LOPP)
- Approved Resolution 2018-17 adopting the R2CTPO Transportation Management and Operations (TSM&O) Master Plan Phase 2
- Approved Resolution 2018-18 reaffirming the R2CTPO's opposition to relocating the Ritchey Green Rest Area from Longwood to Volusia County
- Approved the FY 2017/18 TPO Budget Amendment
- Received a PowerPoint presentation of the I-95 to SR 417 Connector Study and TPO Board gave a consensus to close out the study
- Received a staff PowerPoint presentation of the R2CTPO FY 2017/18 Year in Review
- Received a staff PowerPoint presentation of the "Tell the TPO" Survey preliminary results
- Received the FDOT report
- Received Executive Director's Report including an update on Transportation Performance Measures implementation; and R2CTPO policies regarding the Annual Call for Projects and List of Priority Projects
- Announced availability of funding for High Visibility Law Enforcement Program
- Announced FDOT's 2045 Cost Feasible Plan is available and includes TPO projects and directed TPO staff to work with TPO Chairperson to draft a letter of concern to FDOT regarding lack of communication with the TPO

Items Requiring Follow-Up

- Letter to FDOT regarding SIS coordination
- Executive Director to forward information regarding the High Visibility Law Enforcement Program

The next River to Sea TPO Board meeting will be on Wednesday, August 22, 2018

Beverly Beach
Bunnell
Daytona Beach
Daytona Beach Shores

DeBary
DeLand
Deltona
Edgewater

Flagler Beach
Flagler County
Holly Hill
Lake Helen

56

New Smyrna Beach
Oak Hill
Orange City
Ormond Beach

Palm Coast
Pierson
Ponce Inlet
Port Orange

South Daytona
Volusia County



Votran Route 44

Votran, a service of Volusia County government, is excited to announce the new Route 44 in New Smyrna Beach Florida, starting June 25, 2018. Route 44 will operate approximately 6:45 a.m. to 6:40 p.m. Monday through Saturday with no service on Sunday or holidays. Route 44 will connect to Route 40, 41, FLEX 42 and FLEX 43 at the Julia and Sams Connection point. Operating out of the Julia and Sams Connection Point in downtown New Smyrna Beach, the Route 44 will provide fixed route bus service to the downtown area, westbound on Canal Street to SR-44 and out to Walmart/The Shoppes at Coronado west of I-95. There will be 28 stops along the route based on ridership attractors such as Walmart, Florida Hospital, Home Depot/Aldi's, New Smyrna Beach Regional Shopping Center, Downtown New Smyrna Beach, and beach side SR 44, including Indian River Village Shopping Center.

Initial operation will be "flag down" service until permanent stops can be constructed. For flag down service, riders should go to the far side of an intersection and raise their hand to signal the bus down as it approaches. Riders are encouraged to do this as soon as they see the bus to give the driver enough time to stop. Riders wishing to get off the bus will pull the yellow Stop Request Cords on the bus to signal a stop is needed. Riders are asked to be mindful of their upcoming stops to give the driver time to at their requested stopping location. Automated verbal messages will be on the bus to alert riders of upcoming stops. Once stops are put in place at the roadside, drivers will pick up and drop off at those locations. Regular Votran fares will be in place.

44 New Smyrna Beach

Route 44 will start service on June 25, 2018.

MON-SAT:

Westbound from New Smyrna to Walmart SR-44

Julia St/ Sams Ave	Canal/Myrtle	Wallace/SR-44	Colony Park/ SR-44	Walmart/ SR-44
6:46	6:49	6:52	6:57	7:04
7:46	7:49	7:52	7:57	8:04
8:46	8:49	8:52	8:57	9:04
9:46	9:49	9:52	9:57	10:04
10:46	10:49	10:52	10:57	11:04
11:46	11:49	11:52	11:57	12:04
12:46	12:49	12:52	12:57	1:04
1:46	1:49	1:52	1:57	2:04
2:46	2:49	2:52	2:57	3:04
3:46	3:49	3:52	3:57	4:04
4:46	4:49	4:52	4:57	5:04
5:46	5:49	5:52	5:57	6:04

MON-SAT:

Eastbound from Walmart SR-44 to New Smyrna

Walmart/ SR-44	Colony Park/ SR-44	NSB Regional Shopping Center	E. 3rd/ S. Atlantic	Peninsula/E. 3rd	Julia St/ Sams Ave
7:04	7:12	7:16	7:29	7:32	7:41
8:04	8:12	8:16	8:29	8:32	8:41
9:04	9:12	9:16	9:29	9:32	9:41
10:04	10:12	10:16	10:29	10:32	10:41
11:04	11:12	11:16	11:29	11:32	11:41
12:04	12:12	12:16	12:29	12:32	12:41
1:04	1:12	1:16	1:29	1:32	1:41
2:04	2:12	2:16	2:29	2:32	2:41
3:04	3:12	3:16	3:29	3:32	3:41
4:04	4:12	4:16	4:29	4:32	4:41
5:04	5:12	5:16	5:29	5:32	5:41
6:04	6:12	6:16	6:29	6:32	6:41

44 New Smyrna Beach

Route 44 will start service on June 25, 2018.

MON-SAT:

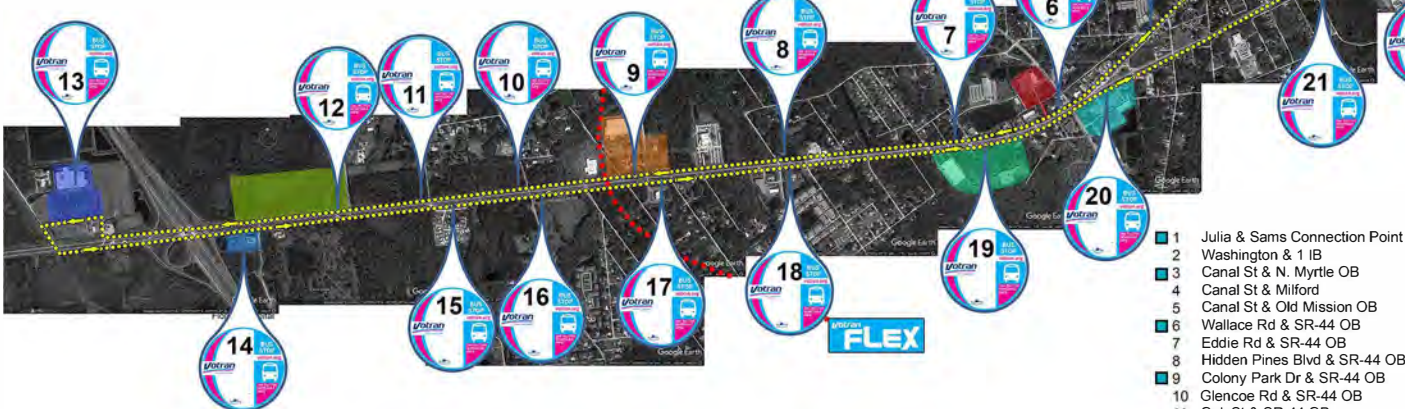
**Westbound from New Smyrna
to Walmart SR-44**

MON-SAT:

**Eastbound from Walmart SR-44 to
New Smyrna**

Julia St/ Sams Ave	Canal/Myrtle	Wallace/SR-44	Colony Park/ SR-44	Walmart/ SR-44
6:46	6:49	6:52	6:57	7:04
7:46	7:49	7:52	7:57	8:04
8:46	8:49	8:52	8:57	9:04
9:46	9:49	9:52	9:57	10:04
10:46	10:49	10:52	10:57	11:04
11:46	11:49	11:52	11:57	12:04
12:46	12:49	12:52	12:57	1:04
1:46	1:49	1:52	1:57	2:04
2:46	2:49	2:52	2:57	3:04
3:46	3:49	3:52	3:57	4:04
4:46	4:49	4:52	4:57	5:04
5:46	5:49	5:52	5:57	6:04

Walmart/ SR-44	Colony Park/ SR-44	NSB Regional Shopping Center	E. 3rd / S. Atlantic	Peninsula/E. 3rd	Julia St/ Sams Ave
7:04	7:12	7:16	7:29	7:32	7:41
8:04	8:12	8:16	8:29	8:32	8:41
9:04	9:12	9:16	9:29	9:32	9:41
10:04	10:12	10:16	10:29	10:32	10:41
11:04	11:12	11:16	11:29	11:32	11:41
12:04	12:12	12:16	12:29	12:32	12:41
1:04	1:12	1:16	1:29	1:32	1:41
2:04	2:12	2:16	2:29	2:32	2:41
3:04	3:12	3:16	3:29	3:32	3:41
4:04	4:12	4:16	4:29	4:32	4:41
5:04	5:12	5:16	5:29	5:32	5:41
6:04	6:12	6:16	6:29	6:32	6:41



- 1 Julia & Sams Connection Point
- 2 Washington & 1 IB
- 3 Canal St & N. Myrtle OB
- 4 Canal St & Milford
- 5 Canal St & Old Mission OB
- 6 Wallace Rd & SR-44 OB
- 7 Eddie Rd & SR-44 OB
- 8 Hidden Pines Blvd & SR-44 OB
- 9 Colony Park Dr & SR-44 OB
- 10 Glencoe Rd & SR-44 OB
- 11 Oak St & SR-44 OB
- 12 Sugar Mill Dr & SR-44 OB
- 13 Walmart - NSB

- 13 Walmart - NSB
- 14 SR-44 & Florida Hospital W IB
- 15 SR-44 & LaCasa Dr IB
- 16 SR-44 & Glencoe Rd IB
- 17 SR-44 & Colony Park Dr IB
- 18 SR-44 & Hidden Pines IB
- 19 NSB Regional Shopping CTR IB
- 20 SR-44 & Mission Rd IB
- 21 SR-44 & S. Myrtle St IB
- 22 SR-44 & Palmetto St IB
- 23 E. 3rd Av & Peninsula Av IB
- 24 E. 3rd Av & Saxon Dr IB
- 25 E. 3rd Av & S. Atlantic IB
- 26 Peninsula Av & E. 3rd Av IB
- 27 Lytle Av & Live Oak Dr IB
- 28 Canal & US 1 IB
- 29 Julia & Sams Connection Point

Connections to Routes 40/41/FLEX 42/FLEX43- Downtown NSB
US-1 West Business District
V.C. Health Department / West Canal Business District
Single and Multi-Family Residential
West Business District and Residential
Winn Dixie / Urgent Care / Other Retail
NSB Regional Shopping Plaza / Entertainment
S.E.V.A. / Residential / Retail
Home Depot / Aldi / Other Retail
Multi-Family Residential
Residential / Retail
Residential / Retail / Future Development
Walmart - NSB / Other Retail

Walmart - NSB / Other Retail
Florida Hospital at I-95 / Future Development
Residential
Multi-Family Residential
Home Depot / Aldi / Other Retail
S.E.V.A. / Residential / Retail
NSB Regional Shopping Plaza / Entertainment
Business Development / Other Retail
Senior Residential / Other Residential / Future Development
Florida Hospital / Downtown NSB
Future Development / Entertainment
Indian River Plaza / Entertainment / Other Retail
Beach Access / Other Retail
Future Development / Entertainment
Florida Hospital / Downtown NSB
East Canal Street Historic District/Downtown
Connections to Routes 40/41/FLEX 42/FLEX43- Downtown NSB

Connection Point
Southbound/Outbound
Westbound/Outbound
Westbound/Outbound
Westbound/Outbound
Westbound/Outbound
Westbound/Outbound
Westbound/Outbound
Westbound/Outbound
Westbound/Outbound
Westbound/Outbound
Turn Around

Turn Around
Eastbound/Inbound
Eastbound/Inbound
Eastbound/Inbound
Eastbound/Inbound
Eastbound/Inbound
Eastbound/Inbound
Eastbound/Inbound
Eastbound/Inbound
Turn Around/Inbound
Westbound/Inbound
Northbound/Inbound
Connection Point



Route 44 Stops

■ Represents Time Points from the Schedule Table