



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 10, 2022

TIME: 2:00 P.M.

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

NOTE:

Microsoft Teams has been established for remote participation.

Masks are requested to be worn by those physically present according to CDC guidelines.

BPAC
Wednesday, August 10, 2022 2:00 PM (EDT)

Join the BPAC meeting on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

+1 561-484-5911 30971439# United States, West Palm Beach

Phone Conference ID: 309 714 39#

[Find a local number](#) | [Reset PIN](#)

Dr. Jason Aufdenberg, 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 APPROVAL OF THE JUNE 8, 2022 BPAC MEETING MINUTES** *(Contact: Debbie Stewart) (Enclosure, pages 4-11)*
- B. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2022-## AMENDING THE FY 2022/23 TO FY 2026/27 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) (ROLL CALL VOTE REQUIRED)** *(Contact: Colleen Nicoulin) (Enclosure, pages 12-14)*
- C. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2022-## AUTHORIZING THE FILING AND EXECUTION OF A SAFE STREETS AND ROADS FOR ALL (SS4A) DISCRETIONARY GRANT APPLICATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION** *(Contact: Stephan Harris) (Enclosure, pages 15-18)*

IV. PRESENTATIONS AND DISCUSSION ITEMS

- A. PRESENTATION AND DISCUSSION OF THE MASON AVENUE (SR 430) CORRIDOR PLANNING STUDY** *(Contact: Stephan Harris) (Enclosures, pages 19-30)*
- B. PRESENTATION AND DISCUSSION OF GEOREFERENCING THE R2CTPO BICYCLE SUITABILITY MAP** *(Contact: Stephan Harris and Jason Aufdenberg) (Enclosures, pages 31-42)*
- C. PRESENTATION AND DISCUSSION OF THE 2022 DANGEROUS BY DESIGN REPORT** *(Contact: Stephan Harris) (Enclosure, pages 43)*
- D. PRESENTATION AND DISCUSSION OF ACCOMMODATIONS FOR BICYCLISTS AND PEDESTRIANS ON THE PROPOSED SR 5 (US 1) REPLACEMENT BRIDGES OVER PELLICER CREEK** *(Contact: Stephan Harris) (Enclosure, pages 44-48)*

V. STAFF COMMENTS *(Enclosure, page 49)*

VI. INFORMATION ITEMS *(Enclosure, pages 49-55)*

- BPAC Attendance Record
- Florida Council of the Blind Resolution 2022-02
- TPO Board Report
- TPO Outreach & Activities

VII. BPAC MEMBER COMMENTS *(Enclosure, page 49)*

VIII. ADJOURNMENT *(Enclosure, page 49)*

*****The next meeting of the BPAC will be on Wednesday, September 14, 2022*****

BPAC Notice and Agenda

August 10, 2022

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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 10, 2022**

III. ACTION ITEMS

A. REVIEW AND APPROVAL OF THE JUNE 8, 2022 BPAC MEETING MINUTES

BACKGROUND INFORMATION:

Minutes are prepared for each meeting and must be approved by the BPAC. The June 8, 2022 BPAC meeting minutes were revised to incorporate additional member comments as requested and are provided with this agenda packet for your review.

ACTION REQUESTED:

MOTION TO APPROVE THE JUNE 8, 2022 BPAC MEETING MINUTES

Bicycle/Pedestrian Advisory Committee (BPAC)
Meeting Minutes
June 8, 2022

Members Physically Present:

Doug Hall
Terry Lodge
Ted Wendler, Vice Chairperson
Larry Coletti
Bob Storke
Gayle Belin
Andrew Dodzik
Mark Oebbecke
Emery Jeffreys
Tim Grigsby
Roy Walters
Jason Aufdenberg, Chairperson

Members Virtually Present:

Luis Leal
Tom Ryan
Patrick McCallister
Nancy Epps
Maggie Ardito

Non-Voting Technical Appointees Virtually Present:

Gwen Perney
John Cotton (non-voting)

Members/Technical Appointees Absent:

Paul Eik (excused)
Adam Mengel
Nic Mostert (excused)
Christy Gillis (excused)
Chris Daun (excused)
Rob Brinson
Melissa Winsett (non-voting) (excused)
Stephanie Moss (non-voting) (excused)

Others Physically Present:

Stephan Harris
Joe Yarborough
Mark Trebitz
Jesse Blouin
Victor Muchuruza
Mayor Samuel Bennett

Others Virtually Present:

Debbie Stewart, Recording Secretary
Pam Blankenship
Richard Hamilton
Jay Williams

Representing:

Daytona Beach Alternate
DeBary
DeLand
Flagler County
Orange City
Ormond Beach
Palm Coast Alternate
Ponce Inlet
Volusia County District 1 Alternate
Volusia County, District 4
Volusia County At-Large
Volusia County At-Large Alternate

Representing:

Deltona
Holly Hill
Lake Helen
Ponce Inlet Alternate
Volusia County District 1

Representing:

Port Orange
Votran

Representing:

Flagler Beach
Flagler County
New Smyrna Beach
South Daytona
Volusia County Council Chair
Volusia County School Board
Volusia County
FDOT

Representing:

TPO Staff
Citizen
FDOT
FDOT
HDR, Inc.
Pierson

Representing:

TPO Staff
TPO Staff
Citizen
Volusia County

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 2:00 p.m. by Chairperson Jason Aufdenberg. The roll was called and it was determined

that a quorum was physically present. Due to the COVID-19 virus, the meeting was held in a hybrid format with 10 voting and two non-voting members physically present; and five voting and two non-voting members virtually present.

Chairperson Aufdenberg stated the members participating virtually are doing so as a result of social distancing restrictions associated with COVID-19. Rulings from the Florida Attorney General require that the members physically present vote to allow virtual participation due to “extraordinary circumstances”.

MOTION: *A motion was made by Mr. Wendler to allow members attending virtually to participate and vote. The motion was seconded by Mr. Walters and carried unanimously.*

The Pledge of Allegiance was given.

II. Public Comment/Participation

There were no public comments at this time; however, a public comment was made after Action Item B.

III. Action Items

A. Review and Recommend Approval of May 11, 2022 BPAC Meeting Minutes

MOTION: *A motion was made by to Mr. Storke approve the May 11, 2022 BPAC meeting minutes. The motion was seconded by Mr. Coletti and carried unanimously.*

B. Nomination and Election of BPAC Chairperson

MOTION: *A motion was made by Mr. Lodge to nominate the current BPAC Chairperson Aufdenberg as BPAC Chairperson for FY 2022/23. The motion was seconded by Mr. Wendler and carried unanimously.*

MOTION: *A motion was made by Mr. Storke to re-elect Dr. Jason Aufdenberg as BPAC Chairperson for FY 2022/23. The motion was seconded by Mr. Hall and carried unanimously.*

II. Public Comment/Participation

Mr. Joe Yarborough, retired South Daytona City Manager, provided comments regarding the construction of a trail along Reed Canal Road at South Sauls Street. He contacted South Daytona’s City Manager for information and found out the city had secured a grant for the shared use path; it was previously going to be on the north side of the roadway but has since been moved to the south side. He is concerned that his property will not be as secure as it once was and his privacy will be affected. He brought this issue to the BPAC’s attention to suggest a requirement be instituted that residents be provided notice before a project is pursued. Public notices in the newspapers are not sufficient; it needs to be a condition of the grant and for the TPO to approve. Citizens should be involved in these decisions, particularly when projects will have an adverse impact on their property.

C. Nomination and Election of BPAC Vice Chairperson

MOTION: *A motion was made by Mr. Coletti to nominate the current BPAC Vice Chairperson Mr. Ted Wendler as BPAC Vice Chairperson for FY 2022/23. The motion was seconded by Mr. Oebbecke and carried unanimously.*

MOTION: *A motion was made by Mr. Dodzik to re-elect Mr. Ted Wendler as BPAC Vice Chairperson for FY 2022/23. The motion was seconded by Mr. Coletti and carried unanimously.*

D. Review and Recommend Approval of Resolution 2022-## Adopting the FY 2022/23 to FY 2026/27 Transportation Improvement Program (TIP) (Roll Call Vote Required)

Mr. Harris stated the Transportation Improvement Program (TIP) is the program of transportation projects for a period of five years; it is developed and adopted by the TPO each year and it consists of capital and non-capital surface transportation projects supported by state and/or federal funds. A presentation was given last month on the draft TIP; the bicycle/pedestrian projects included in the new TIP were also reviewed. He explained that a request from the city of Ormond Beach was received to remove the Tomoka Elementary School connector sidewalk project from the draft TIP. It will remain in the TIP but will be removed with the roll-forward amendment in August.

Mr. Lodge asked what the difference is between adopting the TIP and the roll-forward amendment.

Mr. Harris explained that certain projects automatically roll forward into the new TIP such as state projects; federal projects do not. The TIP will be amended so that both federal and state projects are reflected. This is done each year so that there is consistency between the state's Work Program and the TPO's TIP.

Chairperson Aufdenberg noted that the bicycle/pedestrian projects are listed on page 144 of the draft TIP.

Mr. Hall asked why the city of Ormond Beach asked to have the Tomoka Elementary School sidewalk project removed from the TIP.

Mr. Harris explained that the school will be undergoing extensive renovations and there were minor right-of-way issues that had to be addressed; Volusia County Schools will address those issues and the sidewalk with the renovation project. The second project to be removed from the TIP was at Williamson Boulevard and Hand Avenue; it is being removed because the project will be addressed during the widening of Williamson Boulevard from Strickland Range Road to Hand Avenue.

MOTION: *A motion was made by Ms. Belin to recommend approval of Resolution 2022-## adopting the FY 2022/23 to FY 2026/27 Transportation Improvement Program (TIP). The motion was seconded by Mr. Hall and carried unanimously by a roll call vote.*

E. Review and Recommend Approval of the Draft List of Prioritized Bicycle/Pedestrian Projects

Mr. Harris stated the draft list of prioritized bicycle/pedestrian projects has been revised since it was presented last month; staff has included the changes discussed last month. He reviewed the changes to the draft Tier A list.

Mr. Coletti asked when the LeHigh Trailhead project will begin.

Mr. Harris replied that project is nearing completion of the design phase; he does not have a groundbreaking date for construction yet but will contact the city of Palm Coast and provide an update at the next BPAC meeting in August. He continued to review the draft Tier B list; he explained the top three projects are protected.

Mr. Coletti referred to project #7, the Graham Swamp Trail gap, on Tier B and asked if there is a map that shows the connection to the LeHigh Trail.

Mr. Harris replied he has a map that came in with the project application but he does not have it available to show on the screen.

Mr. Lodge referred to the top 3 protected projects on Tier B and asked if that means they are approved for funding.

Mr. Harris replied all the projects on Tier B are approved for funding but are not yet funded; the protected status means that they will retain their position each year when new projects are submitted and scored.

Mr. Grigsby commented that the Tarragona Way sidewalk project has been on the list since 2006.

Mr. Harris replied that staff has advised the city of Daytona Beach to resubmit a project application to be re-scored so it could possibly move up the list; if they do not, it will stay on the bottom of the list. He continued to

review the Tier C list and noted that once the list is adopted, staff will proceed with studies on the top four projects.

Ms. Ardito asked how and when a project score can be changed; on one of these projects, the project sponsor was not present when the project was scored so it received a lower score than it could have.

Mr. Harris explained these are the scores that the BPAC Project Review Subcommittee approved and that staff is now asking for the BPAC's approval of with this draft list. The scores cannot be changed but she can recommend that the list not move forward as is and state her reasons why. Once a project is on the adopted priority list it cannot be removed unless the TPO Board deems there is an issue. He continued to review the list and explained that once a feasibility study is completed for a project on Tier C, the project does not automatically move forward. If the project sponsor wants to move forward with the project, they will submit a project application for funding.

Discussion continued regarding projects on the draft 2022 list of prioritized bicycle/pedestrian projects.

MOTION: *A motion was made by Mr. Storke to recommend approval of the draft list of prioritized bicycle/pedestrian projects. The motion was seconded by Mr. Hall and carried unanimously.*

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

Mr. Harris explained that projects on the draft list of Shared Use Non-Motorized (SUN) Trail projects are not prioritized. For various reasons, several projects have dropped out of FDOT's Work Program so the TPO created a Tier B list to show that even if they are not in the adopted SUN Trail program, they are a priority for the TPO.

Ms. Belin asked if the Tier A projects are funded for this year.

Mr. Harris replied the Tier A projects are in the five-year Work Program. The Tier B list projects are not in the five-year Work Program; however, this list communicates to FDOT that the TPO would like these unfunded projects to be in the Work Program.

Mr. Lodge referred to third project on Tier A, the Coast to Coast Gap in DeBary, and commented that he thought that this gap was completed. He asked if this was a different project.

Ms. Ardito explained that is the connection to the DeBary Sun Rail Station and that the SUN Trail Program has taken over the project.

MOTION: *A motion was made by Mr. Hall to recommend approval of the draft list of Shared Use Non-Motorized (SUN) trail projects. The motion was seconded by Mr. Dodzik and carried unanimously.*

G. Review and Recommend Approval of Resolution 2022-## Adopting the Public Participation Plan (PPP)

Ms. Blankenship stated a presentation was provided in April that reviewed the changes over the previous Public Participation Plan (PPP). The updated PPP has been out for public comment; no comments have been received other than the comments provided at the April BPAC meeting; regarding a redundancy on page 9 that has been corrected which she reviewed. The public comment period is still open through the close of business on Friday, June 10, 2022.

MOTION: *A motion was made by Mr. Storke to recommend approval of Resolution 2022-## adopting the Public Participation Plan (PPP). The motion was seconded by Mr. Hall and carried unanimously.*

H. Cancellation of the July 13, 2022 BPAC Meeting

MOTION: *A motion was made by Mr. Wendler to cancel the July 13, 2022 BPAC meeting. The motion was seconded by Mr. Dodzik and carried unanimously.*

IV. Presentation and Discussion Items

A. Presentation and Discussion of the I-95 at LPGA Boulevard Project Development and Environment (PD&E) Study

Mr. Mark Trebitz, FDOT, gave a PowerPoint presentation of the I-95 at LPGA Boulevard PD&E study; he reviewed the project limits from US 92 north to Williamson Boulevard and includes the Tomoka River Bridge and the I-95 and LPGA Boulevard interchange. There has been substantial and proposed substantial development in this area since 2016 which has brought a good amount of traffic; this is the purpose and need of this project; to accommodate the current and future transportation demand, not only for vehicles but for bicyclists and pedestrians as well as to enhance the safety for the LPGA Boulevard and I-95 interchange. They are currently in the PD&E and design phase of the project. He explained the schedule of the project and showed some of the improvements being evaluated. He announced a public meeting will be held at the Henderson Welcome Center at Embry Riddle Aeronautical University (ERAU) on August 11, 2022 at 5:30 pm.

Members discussed the presentation and the proposed improvements including the improvements to the Tomoka River Bridge. There will be the standard FDOT barrier for bicycle/pedestrians on the bridge. They also discussed the proposed turbine intersection; Mr. Trebitz explained it is an innovative solution and he explained how it will work. Each intersection is being evaluated and will include accessible pedestrian signals (APS) or the wiring to install APS signals in the future. Discussion continued regarding the project and the proposed improvements.

Mr. Harris asked if they will give this same presentation at the public meeting in August at ERAU.

Mr. Trebitz replied it will be a more expansive presentation; it will be an open house and they will showcase each improvement. It will also be available as a hybrid meeting so people can attend virtually.

B. Presentation and Discussion of the I-95 at US 1 Project Development and Environmental (PD&E) Study

Mr. Mark Trebitz, FDOT, gave a PowerPoint presentation of the I-95 at US 1 PD&E study; he gave an overview of the project and the project limits. The purpose of the study is to develop and evaluate solutions to accommodate the existing and future travel demand, improve safety and enhance the pedestrian environment. The project is needed to improve traffic operations, mobility, and to enhance safety for all modes of travel including bicyclists and pedestrians. They are currently in the PD&E phase overlapping with the design phase; the right-of-way phase is partially funded and construction is currently unfunded. He reviewed the proposed alternatives including a diverging diamond interchange (DDI) and an offset intersection; he explained how each would work. He reviewed the proposed improvements to US 1 which includes a widening to six lanes with a 14-foot shared use path on each side; the project should fit within the current right-of-way. He announced a public meeting will be held regarding this project on June 21, 2022 at 5:30 pm at The Chapel in Ormond Beach.

Members discussed the project and the proposed improvements. It was noted that the southwest area of the project limits will have a service road. There will not be a physical barrier between the bike trail and US 1; it will have a curving gutter to help prevent vehicles from leaving the roadway. Mr. Trebitz explained how the DDI will work; he suggested members watch the video available on project website. Members continued to discuss the presentation and proposed alternatives.

V. Staff Comments

→ Pedestrian Fatalities in 2021

Mr. Harris stated there are newly released numbers regarding traffic fatalities involving pedestrians; the 2021 numbers are the highest in 40 years. Vehicle crashes and fatalities are up in several categories; pedestrian fatalities are up 14%. Fatalities are up in Florida at a rate comparative only to Arizona. There is a lot of work to do. The Unified Planning Work Program (UPWP) that was adopted last month includes the development of a Community Safety Action Plan for Bicyclists and Pedestrians; FDOT grant opportunities are available for this

project. He will have more information to share in August; the goal is to bring those fatality and serious injury numbers down.

VI. Information Items

- BPAC Attendance Record
- TPO Board Report
- TPO Outreach and Activities

VII. BPAC Member Comments

Mr. Coletti announced he will be attending the June 16, 2022 FDOT public meeting regarding SR 100 and the I-95 interchange to make sure the bicycle/pedestrian facilities there are adequate. He thanked members for the get-well cards he received after his bike accident; he rode from Palm Coast to Ponce Inlet and was on the way back on the LeHigh Trail when a vine caught him and brought him down. He was wearing a bike helmet or his injuries would have been much worse; he noted he sees too many people riding bikes without helmets.

Mr. Oebbecke stated he is alarmed by the number of electric bicycles/vehicles he is seeing; Volusia County does not allow them on the beach but it is not being enforced. It is alarming to see teenagers and kids going 35 miles per hour with no helmets. He hopes it does not take a fatality to make people aware of the danger.

Mr. Hall thanked members and TPO staff for the sympathy cards he received regarding the loss of his wife, Ms. Nancy Burgess-Hall, and he appreciates those that attended her celebration of life.

Mr. Jeffreys referred to today's public comment regarding the trail in DeBary and commented that he has discovered that the trail will be closed for two months; he thinks there should have been better planning as it will affect many people in his neighborhood that will not be able to bike to stores or doctors; they will now have to ride on US 17/92. He also commented on the number of electric bicycle riders that do not wear helmets.

Ms. Ardito reiterated how dangerous US 17/92 is for bicyclists; her husband was hit in a crosswalk with the pedestrian light because the driver did not stop. We do not want bicyclists out there if we can stop it; there should be one or two alternatives; only one or two blocks of Donald E. Smith Boulevard that will be closed; the school is not allowing access which is the only way through. We need to find out how to take the issue to the school property.

Mr. Walters commented he recently returned from a trip to Peru and noted the Incas were incredible engineers. Traffic in the large cities can be described as six lanes of chicken; traffic signals are totally ignored. He only saw one bicycle as there is no way to cycle there.

Chairperson Aufdenberg commented he also just returned from traveling to Brooklyn, New York. He was able to ride 60 blocks of parking protected bike lanes. It was nice to ride in a bike friendly area; he was able to use the Map Publisher Software to produce a geo pdf. of New York City's bike map. He applied the same app to the TPO's Bicycle Suitability Map; he will provide a presentation on this in August.

VIII. Adjournment

The BPAC meeting adjourned at 3:33 p.m.

River to Sea Transportation Planning Organization

**Dr. Jason Aufdenberg, Chairperson
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 8, 2022 regular meeting of the Bicycle/Pedestrian Advisory Committee (BPAC), approved and duly signed this 10th day of August 2022.

Debbie Stewart, Recording Secretary
River to Sea Transportation Planning Organization

***** A recording of the June 8, 2022 BPAC meeting is available upon request.***

**SUMMARY SHEET
BPAC
AUGUST 10, 2022**

III. ACTION ITEMS

B. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2022-## AMENDING THE FY 2022/23 TO FY 2026/27 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) (ROLL CALL VOTE REQUIRED)

BACKGROUND INFORMATION:

The Florida Department of Transportation (FDOT) requests approval of an amendment to the FY 2022/23 to FY 2026/27 Transportation Improvement Program (TIP) to include projects with funds rolling forward from FY 2021/22 to FY 2022/23. This amendment request is being made to ensure that the projects shown in the TIP are consistent with the projects shown in FDOT's Five Year Work Program.

Each year, FDOT develops the tentative 5-Year Work Program which becomes effective on July 1st. The TPO incorporates the tentative Work Program into the new Transportation Improvement Program (TIP), which also becomes 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 a routine procedure that is processed every year known as a "roll forward" TIP amendment.

The proposed amendment is authorized in Resolution 2022-## and incorporates the projects with funding that rolled forward from FY 2021/22 to FY 2022/23 into the FY 2022/23 to FY 2025/26 TIP as described in the FDOT Roll Forward Letter and Roll Forward Report dated July 11, 2022.

The Roll Forward Request Letter and Report can be accessed through the following link:

[Roll Forward TIP Amendment](#)

ACTION REQUESTED:

MOTION TO RECOMMEND APPROVAL OF RESOLUTION 2022-## AMENDING THE FY 2022/23 TO FY 2026/27 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) (ROLL CALL VOTE REQUIRED)

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2022-##

**RESOLUTION OF THE RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION
AMENDING THE FY 2022/23 TO FY 2026/27
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 2022/23 to FY 2026/27 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 2022/23 to FY 2026/27 TIP as amended to the:
 - a. Florida Department of Transportation;
 - b. Federal Transit Administration (FTA) (through the Florida Department of Transportation);
 - c. Federal Highway Administration (FHWA) (through the Florida Department of Transportation); and the
 - d. Department of Economic Opportunity.

DONE AND RESOLVED at the regularly convened meeting of the River to Sea TPO held on the 24th day of August 2022.

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

VOLUSIA COUNTY COUNCIL VICE CHAIR BARBARA GIRTMAN
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 24, 2022.

ATTEST:

DEBBIE STEWART, RECORDING SECRETARY
RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

**SUMMARY SHEET
BPAC
AUGUST 10, 2022**

III. ACTION ITEMS

C. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2022-## AUTHORIZING THE FILING AND EXECUTION OF A SAFE STREETS AND ROADS FOR ALL (SS4A) DISCRETIONARY GRANT APPLICATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION

BACKGROUND INFORMATION:

Section 24112 of the Infrastructure Investment and Jobs Act, also referred to as the “Bipartisan Infrastructure Law”, authorized and appropriated \$1 billion to be awarded by the U.S. Department of Transportation for federal FY 2022 for the Safe Streets and Roads for All (SS4A) grant program. The purpose of SS4A grants is to improve roadway safety by significantly reducing or eliminating roadway fatalities and serious injuries through safety action plan development and implementation focused on all users, including pedestrians, bicyclists, public transportation users, motorists, personal conveyance and micromobility users, and commercial vehicle operators.

The SS4A grant program provides federal funds to develop or complete a Comprehensive Safety Action Plan, which is a holistic, well-defined strategy to prevent roadway fatalities and serious injuries. The R2CTPO will be the lead applicant for a SS4A grant to develop a single Comprehensive Safety Action Plan for Volusia and Flagler counties. Volusia and Flagler County Governments will be joint applicants for a SS4A grant. FDOT will be a partner, but not an applicant, for a SS4A grant.

The R2CTPO will request SS4A funds to develop the Comprehensive Safety Action Plan. The federal share is 80% and the required local matching share is 20%. The joint applicants have agreed to pay the local share. In addition, Flagler County government has agreed to represent the rural (non-urbanized) areas of Flagler County, which will enable the Comprehensive Safety Action Plan to cover the entire geographic area of Volusia and Flagler counties.

A link to the presentation for the SS4A grant application is provided below:

https://www.r2ctpo.org/wp-content/uploads/C1-SS4A_Presentation.pdf

ACTION REQUESTED:

MOTION TO RECOMMEND APPROVAL OF RESOLUTION 2022-## AUTHORIZING THE FILING AND EXECUTION OF A SAFE STREETS AND ROADS FOR ALL (SS4A) DISCRETIONARY GRANT APPLICATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2022-##

RESOLUTION OF THE RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION AUTHORIZING THE FILING AND EXECUTION OF AN APPLICATION WITH THE UNITED STATES DEPARTMENT OF TRANSPORTATION FOR A SAFE STREETS AND ROADS FOR ALL (SS4A) DISCRETIONARY GRANT

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 Secretary of Transportation, United States Department of Transportation, is authorized to make grants for transportation projects; and

WHEREAS, Section 24112 of the Infrastructure Investment and Jobs Act, also referred to as the Bipartisan Infrastructure Law, authorized and appropriated \$1 billion to be awarded by the United States Department of Transportation for federal fiscal year 2022 for the Safe Streets and Roads for All (SS4A) Grant Program; and

WHEREAS, funds for the Safe Streets and Roads for All Grant Program are to be awarded on a competitive basis to support planning, infrastructure, behavioral, and operational initiatives to prevent death and serious injury on roads and streets involving all roadway users, including pedestrians, bicyclists, public transportation, personal conveyance, micromobility users, motorists, and commercial vehicle operators; and

WHEREAS, the SS4A grant program provides federal funds to eligible applicants to develop or complete a Comprehensive Action Plan; and

WHEREAS, the goal of a Comprehensive Action Plan is to develop a holistic, well-defined strategy to prevent roadway fatalities and serious injuries in the Volusia and Flagler County Region; and

WHEREAS, the River to Sea TPO will be the lead applicant for a SS4A grant; and

WHEREAS, the federal share of a SS4A grant may not exceed 80 percent of total eligible Comprehensive Action Plan activity costs; and

WHEREAS, Volusia County, as a joint applicant for a SS4A grant, will provide seventy-five percent (75%) of the local share; and

WHEREAS, Flagler County, as a joint applicant for a SS4A grant, will provide twenty-five percent (25%) of the local share and represent the rural area of Flagler County; and

WHEREAS, the Florida Department of Transportation, as a partner for a SS4A grant, will provide a Letter of Intent; and

WHEREAS, Notice of Funding Opportunity, Assistance Listing #20.939 to solicit applications for Safe Streets and Roads for All grants is open until the close of business on September 15, 2022; and

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

1. River to Sea TPO has the authority to file the Safe Streets and Roads for All Discretionary Grant Application with the United States Department of Transportation and enter into a grant agreement;
2. Interim Executive Director is authorized to execute and file the grant application on behalf of the River to Sea TPO with the United States Department of Transportation;
3. Interim Executive Director is authorized to sign any and all agreements or contracts which are required in connection with the grant agreement;
5. Interim Executive Director is authorized to sign any and all assurances, reimbursement invoices, warranties, certifications and any other documents which may be required in connection with the grant application or subsequent agreements;
6. Interim Executive Director is authorized to furnish such additional information as the United States Department of Transportation may require in connection with the application of the project.

DONE AND RESOLVED at the regularly convened meeting of the River to Sea TPO held on the 24th day of August 2022.

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

VOLUSIA COUNTY COUNCIL VICE CHAIR BARBARA GIRTMAN
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 24, 2022.

ATTEST:

DEBBIE STEWART, RECORDING SECRETARY
RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

**SUMMARY SHEET
BPAC
AUGUST 10, 2022**

IV. PRESENTATIONS AND DISCUSSION ITEMS

**A. PRESENTATION AND DISCUSSION OF THE MASON AVENUE (SR 430) CORRIDOR
PLANNING STUDY**

BACKGROUND INFORMATION:

The Florida Department of Transportation (FDOT) is conducting a Corridor Planning Study for Mason Avenue (SR 430) in Daytona Beach. The purpose of the project is to analyze the corridor and evaluate possible improvements to Mason Avenue to enhance multimodal safety, operations, and connectivity for all modes of travel, including vehicular, pedestrian, cycling, and transit.

FDOT staff will deliver a presentation on the Mason Avenue Corridor Planning Study.

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

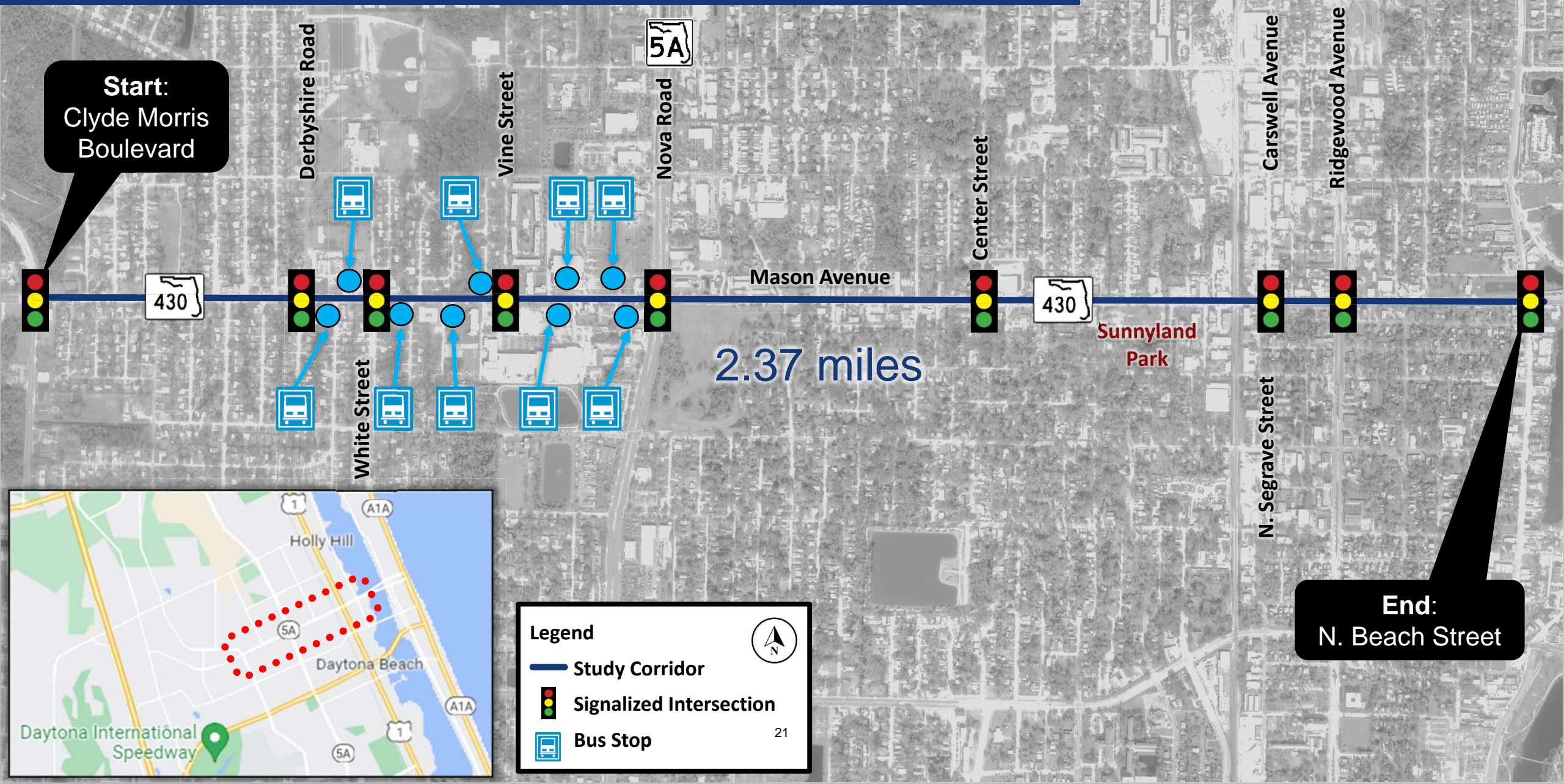


Mason Avenue (S.R. 430) Corridor Planning Study ***(FPID No. 446756-1)***

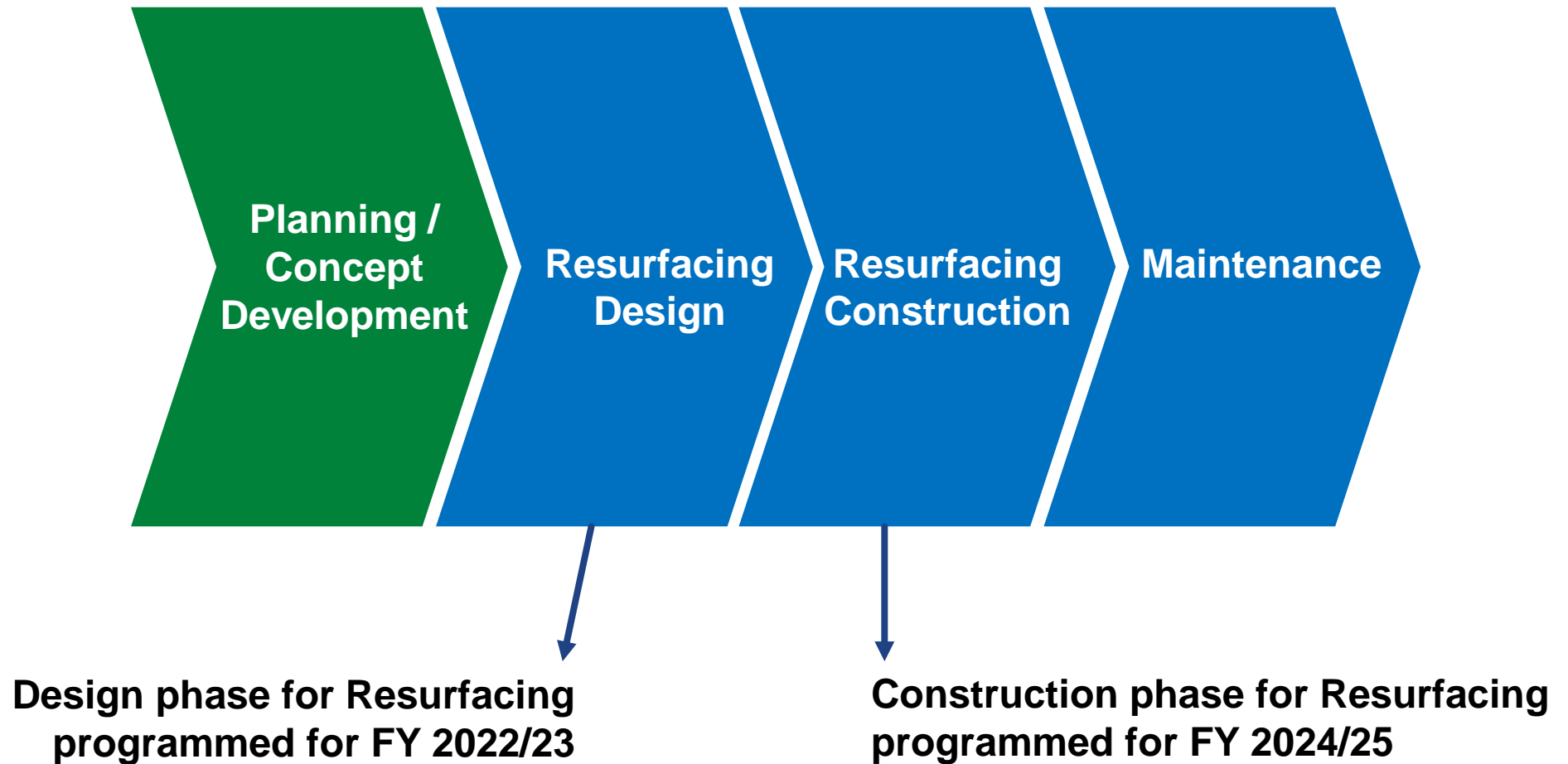
River to Sea TPO Meetings
August 2022



Project Location & Corridor Details



Shorter-Term and Longer-Term Improvements



Corridor Characteristics

- Limited right of way (70 feet generally)
- Driveway locations / width
- Drainage
- Sight distance obstructions
- Offset intersections
- Sidewalk gaps
- Limited dedicated left-turn lanes
- Limited bicycle facilities
- Lack of pedestrian crossings
- Lack of bus stop accessibility



Multiple driveways



Drainage



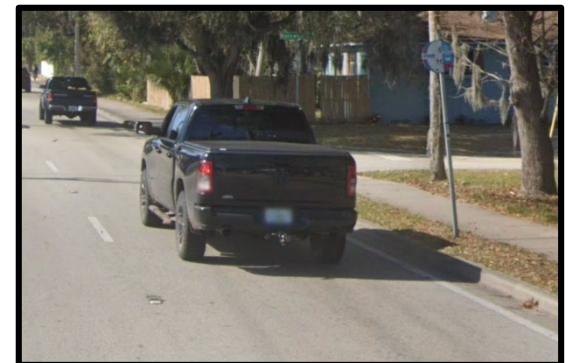
Sight distance



Lack of sidewalk facility



Limited bicycle facilities



Lack of bus stop accessibility

Shorter-Term Improvements

- FDOT resurfacing project
 - Design: FY 2023
 - Construction: FY 2025
- Signal upgrades
- Fill sidewalk gaps
- Driveway reconfiguration
- Drainage improvements
- Raised crosswalks
- Landscaping



Rain Gardens



Mid-Block Crossing (with PHB)



Hardened Centerline



High Emphasis Pedestrian Crosswalk Lighting

Shorter-Term Improvements



West of Edwards Street – facing West²⁵

Longer-Term Improvements

- Incorporates shorter-term improvements
- New typical section
- Redesigned drainage system
- 10-foot shared use paths
- Raised intersection tables
 - Bollards
- Landscaping
 - Tree grates



Raised Intersection Tables

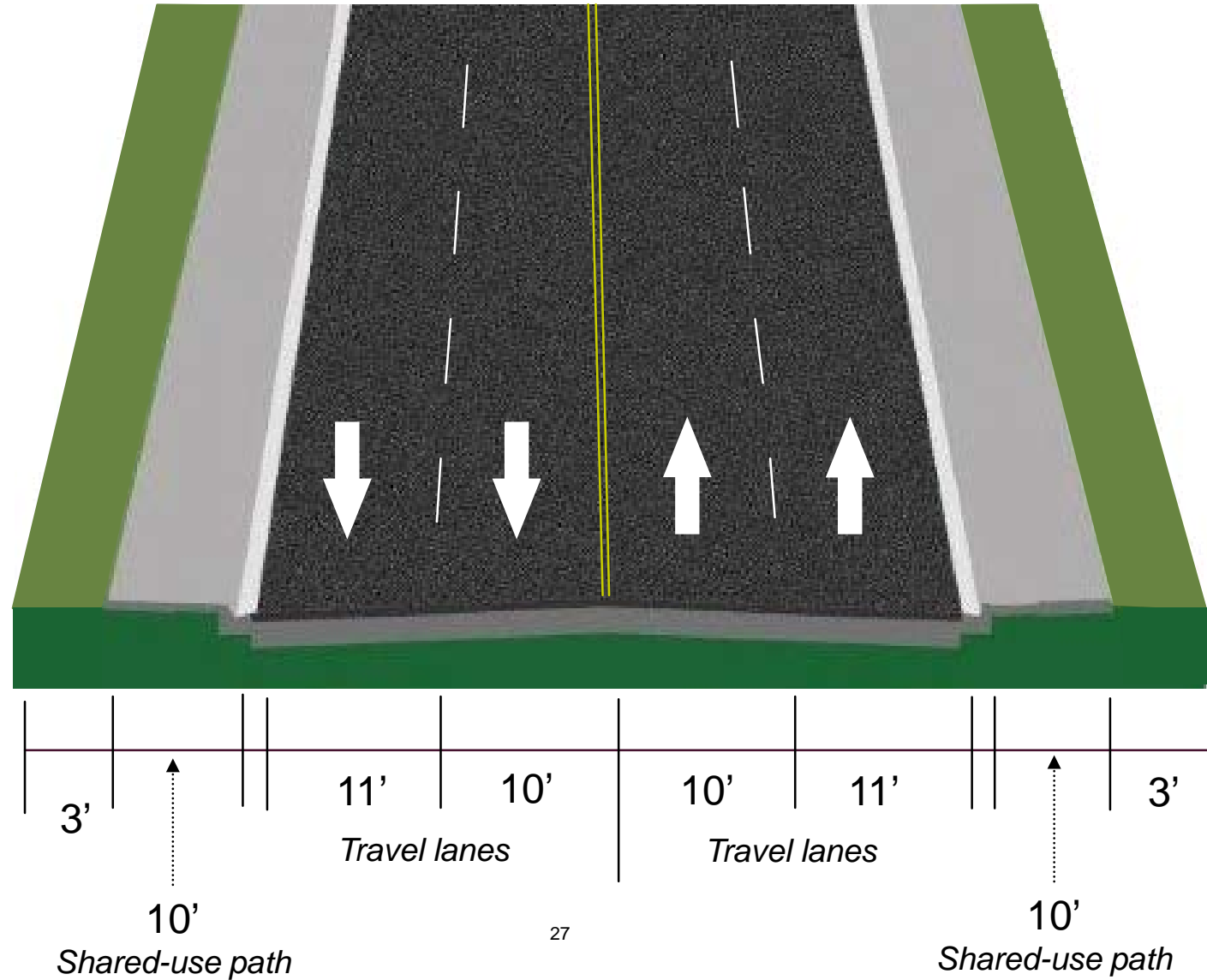


²⁶
Bollards



Walkable Tree Grates

Longer-Term Improvements



Contact Information

Celine Bounds District 5 - PLEMO



719 S. Woodland Blvd. MS 501
DeLand, FL 32720



Phone: (386) 943-5399



Email: celine.bounds@dot.state.fl.us

Jesse Blouin, AICP Project Manager



719 S. Woodland Blvd. MS 501
DeLand, FL 32720



Phone: (386) 943-5167



Email: jesse.blouin@dot.state.fl.us

**Public Meeting: August 30th at 5:30 PM
at the Midtown Cultural and Education Center**

Project Website: www.cilroads.com/project/446756-1



Mason Avenue (S.R. 430)

N. Clyde Morris Boulevard to N. Beach Street

Volusia County

Financial Project Identification (FPID) No.: 446756-1



Project Description

The Florida Department of Transportation (FDOT) is conducting a Corridor Planning Study for Mason Avenue (State Road (S.R.) 430), from N. Clyde Morris Boulevard to N. Beach Street, a distance of approximately 2.37 miles. The purpose of this study is to evaluate both shorter-term and longer-term improvements to Mason Avenue that would enhance multimodal safety, operations, and connectivity for all modes of travel.

The project is being conducted in partnership with Volusia County, the City of Daytona Beach, the City of Holly Hill, the Votran Transit Agency, and the River to Sea Transportation Planning Organization.

As part of this study, two improvement concepts are being recommended to address the existing and future needs of the corridor.

Shorter-Term Improvement: The shorter-term improvement will include spot improvements and enhance the corridor through safety measures and speed management. The improvements recommended for the shorter-term will be included as part of a construction project scheduled for 2025.

Longer-Term Improvement: The longer-term improvement will include a reconstruction of the corridor, which will include consistent travel lane widths, new or relocation of outside curb, and a 10-foot shared use path on both sides of Mason Avenue. The longer-term alternative is not currently funded.

Both the shorter-term and longer-term improvements will be developed within the existing right-of-way. There are several commonalities and shared goals between the two improvement concepts, which are expanded on the back page.



Project Status and Estimated Costs*

Shorter-Term

Design:	Funded: 2022/2023	\$1,560,000
Construction:	Funded: 2024/2025	\$8,900,000

Longer-Term

Design:	Unfunded	\$6,150,000
Construction:	Unfunded	\$23,500,000

* *Subject to change*

Contact:

Jesse Blouin, AICP
FDOT Project Manager
386-943-5167
Jesse.Blouin@dot.state.fl.us

Summary of Potential Improvements— Shorter-Term

- Improvements included as part of an upcoming FDOT resurfacing project, scheduled for construction in 2025
- Traffic signal improvements, such as the addition of mast arms and upgraded pedestrian signals
- Addition of intersection/crosswalk lighting
- Hardened centerline (e.g. inside curb with added delineators)
- **Raised mid-block crossings, with pedestrian hybrid beacon, in-pavement lighting, and flashing signage (*)**
- Accessible Pedestrian Signals (APS) - audible push button technology
- **Construction of sidewalk, where one does not exist (*)**
- **Rain gardens (*)**
- **Landscaping opportunities (*)**
- Consolidate, combine, and/or modify driveways

EXISTING



West of Edwards Street—Facing Westbound

PROPOSED—SHORTER-TERM IMPROVEMENT



(*) Improvement shown graphically within proposed rendering

EXISTING



East of Clyde Morris Boulevard—Facing Westbound

PROPOSED—LONGER-TERM IMPROVEMENT



Summary of Potential Improvements— Longer-Term

In addition to the shorter-term improvements listed above, the following features have been identified for the longer-term improvement:

- **Move existing outside curb or adding new curb (*)**
- **Reconstruction of the drainage system (*)**
- **Construction of 10-foot shared-use paths on both sides of the roadway (*)**
- **Raised intersections/crosswalks with bollards (*)**
- **Adding tree grates (*)**
- Enhancing landscaping opportunities
- Consolidate, combine, and/or modify driveways

(*) Improvement shown graphically within proposed rendering

**SUMMARY SHEET
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IV. PRESENTATIONS AND DISCUSSION ITEMS

B. PRESENTATION AND DISCUSSION OF GEOREFERENCING THE R2CTPO BICYCLE SUITABILITY MAP

BACKGROUND INFORMATION:

The River to Sea TPO's Bicycle Suitability Maps for the East and West sides of the TPO planning area are among the most downloaded documents from www.r2ctpo.org. Many cities around the country are making their bicycle maps available in an enhanced PDF format known as a Geospatial PDF. Wikipedia defines a Geospatial PDF as: "a set of geospatial extensions to the Portable Document Format (PDF) 1.7 specification to include information that relates a region in the document page to a region in physical space – called georeferencing." Salt Lake City's transportation department explains that their Geospatial PDF maps: "work on a smartphone with your built-in GPS to show you where you are on the map!" Only a GPS signal is needed, and works without cellular or Wi-Fi connectivity.

The Adobe Illustrator plug-in MaPublisher and Adobe InDesign have been used to break the TPO's Bicycle Suitability Map into 5 regions: Northeast Volusia, Southeast Volusia, West Volusia, Pierson Area, and East Flagler and georeferenced each one to create 5 Geospatial PDF maps. The original two PDF maps became five Geospatial PDF maps because it was not possible with the software to create inset maps with different georeferencing within the same PDF file. The five georeferenced maps are included with this agenda packet.

The Avenza Maps app for iOS and Android are the easiest way to use the maps as Geospatial Maps, but as Salt Lake City explains: "you can search in the App Store or Play Store for Geo PDF or PDF map to find applications that can perform this function." In the Avenza Maps app you can import maps "From the Web" by entering the URL of the map. The presentation of the Aufdenberg Map will include a live demonstration using the app with the Northeast Volusia Map.

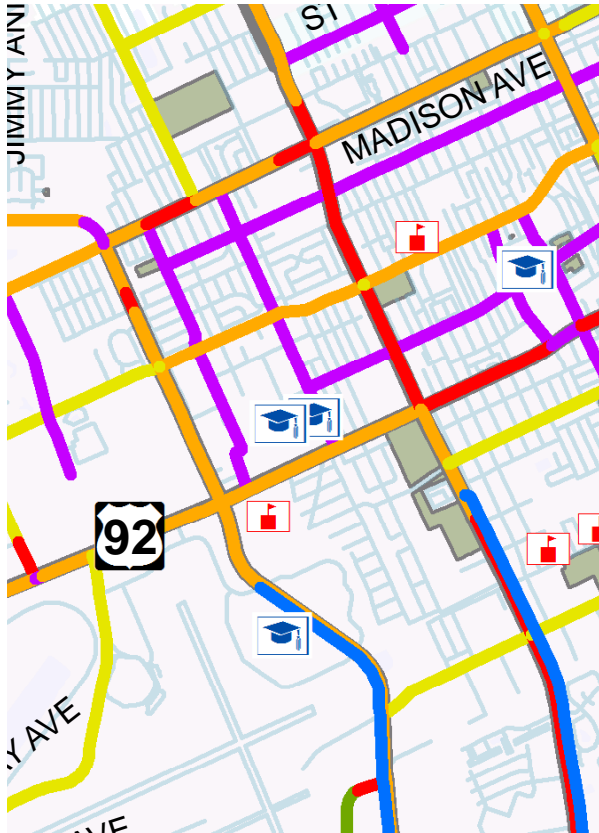
ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

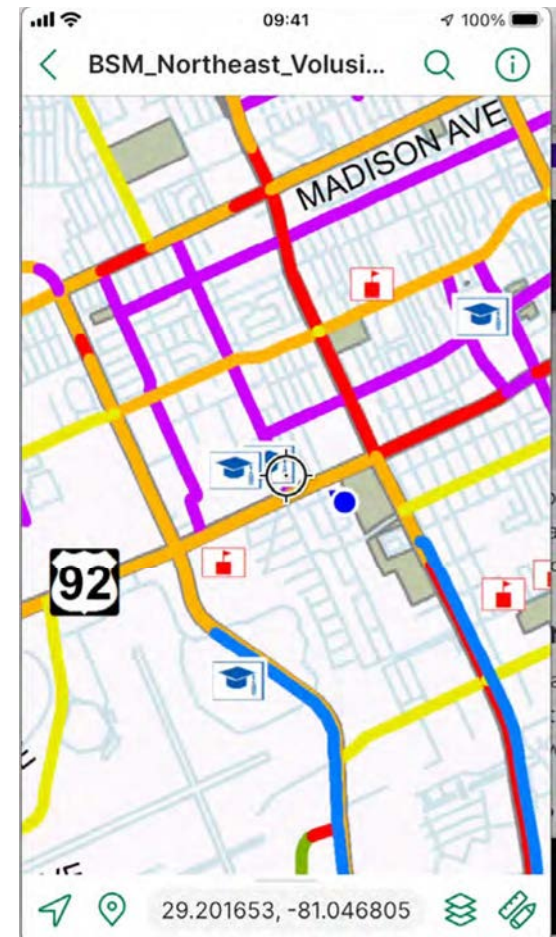
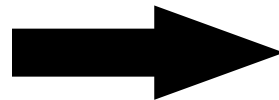
Georeferencing the TPO's Bicycle Suitability Maps

Jason Aufdenberg

BPAC, Volusia @ Large (alternate), Chair



R2CTPO Bicycle Suitability Map (detail)



Northeast Volusia Geospatial map (detail) within the Avenza Maps app.

TPO's 1st Bicycle Suitability Map was published in 2019.

Top download!

Arterial, collector roads and trails are assigned five comfort levels and color-coded.

Criteria	Ideal Condition	Penalty
Speed	25 MPH	-10 pts per additional 10 mph
Volume	50 VpLpH	-10 pts per additional 100 VpLpH
Shoulder Width	5ft or more	-10 pts for 3-4 ft shoulder, -20 pts for shoulders <3 ft. No penalty for roadways with bike lanes.
Obstacles/Obstructions	0 Obstacles	-5 points/ obstacle/ 100ft. Continuous obstacles receive -5pt penalty.
Crash Frequency	0 Crashes	-5 points/crash/100ft

Note: MPH = miles per hour; VpLpH = vehicles per lane per hour

West Volusia County Bicycling Routes Suitability/Comfort Levels

- Future Showcase Trail
- Existing Showcase Trail (Very High Comfort)
- High Comfort (86 - 100)
- Medium Comfort (61 - 85)
- Low Comfort (36 - 60)
- Extremely Low Comfort (<= 35)



DIFFERENTIATION

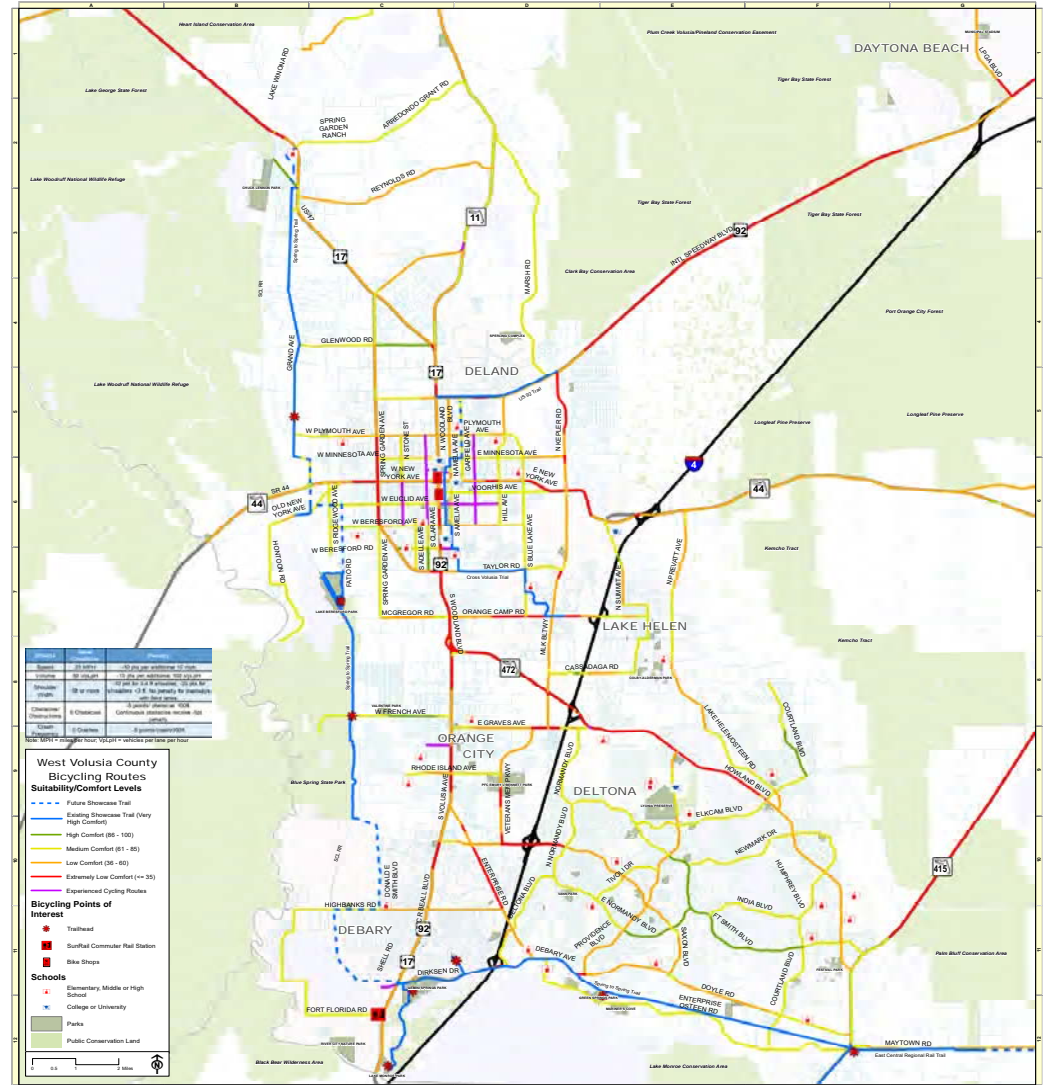
The map is color-coded to show different levels of bicycle suitability. The colors range from red (Extremely Low Comfort) to blue (Future Showcase Trail). The map also shows landmarks like Lake George State Forest and the Pierson area.

LEGEND

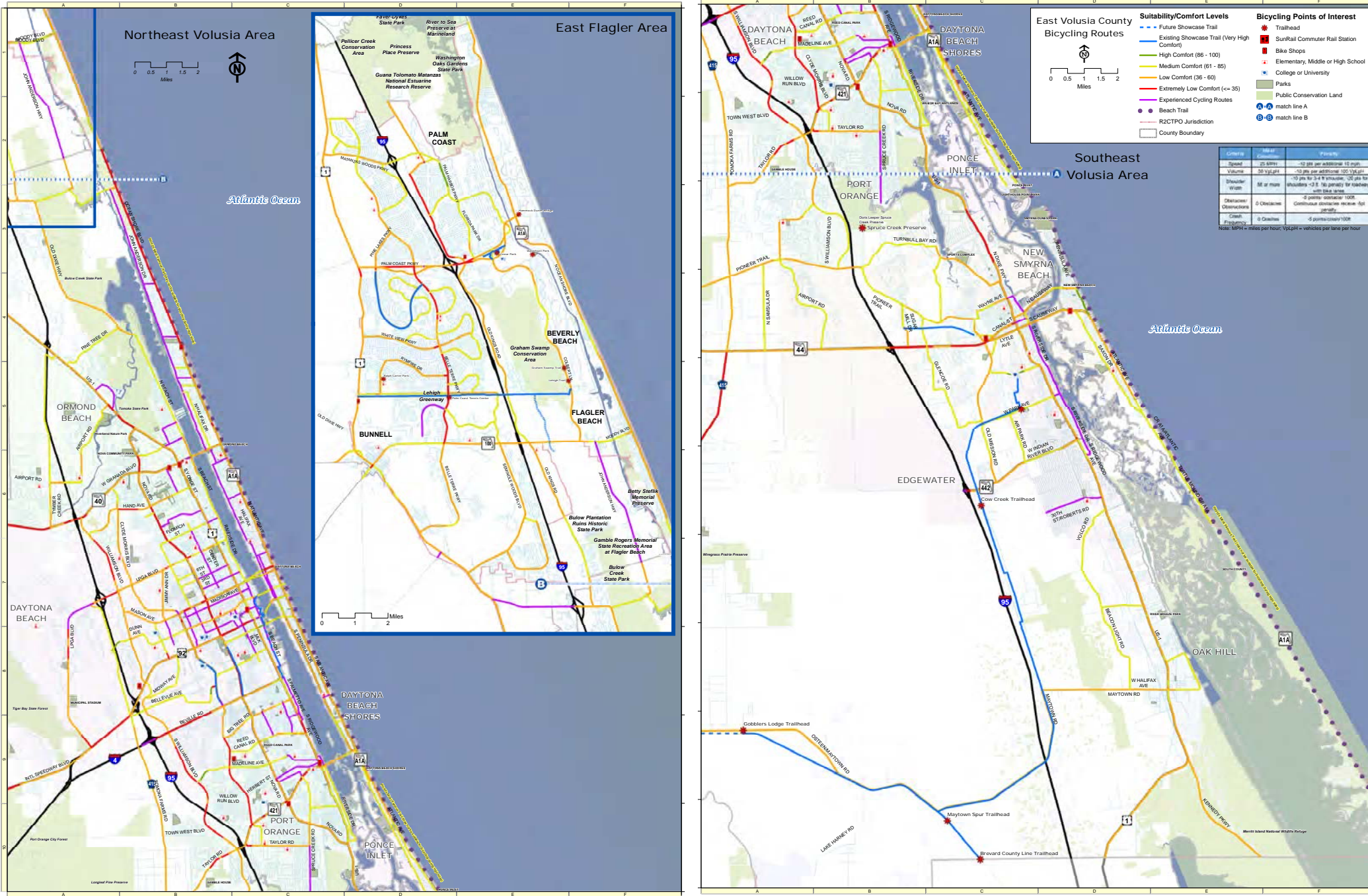
- Future Showcase Trail
- Existing Showcase Trail (Very High Comfort)
- High Comfort (86 - 100)
- Medium Comfort (61 - 85)
- Low Comfort (36 - 60)
- Extremely Low Comfort (<= 35)

PIERSON AREA BICYCLING ROUTES

This map shows the Pierson area, including Lake George State Forest and the Pierson area. It highlights bicycle routes and landmarks. The map is color-coded to show different levels of bicycle suitability.



Side 2: Northeast Volusia with East Flagler inset and Southeast Volusia



Some cities, e.g. Salt Lake City, provide both PDF maps and Geospatial PDF maps.

Salt Lake City & County Bikeways Map

This comfort-rated map of the whole Salt Lake Valley will help you select routes for commuting or recreational rides, or to connect to TRAX, mountain bike trails, or other community destinations. The map features safety information, riding tips, and resources that will help you keep spinning happily on your way.

Download the **2019 Salt Lake City and Salt Lake County Bikeways Map**.

Special geographically-referenced PDF files (below) work on a smartphone with your built-in GPS to show you where you are on the map! Search in the App Store or Play Store for “Geo PDF” or “PDF map” to find applications that can perform this function.

- **2019 Salt Lake City & Northern Salt Lake County Bikeways Map** (< 1 MB)
- **2019 Southern Salt Lake County Bikeways Map** (< 1 MB)

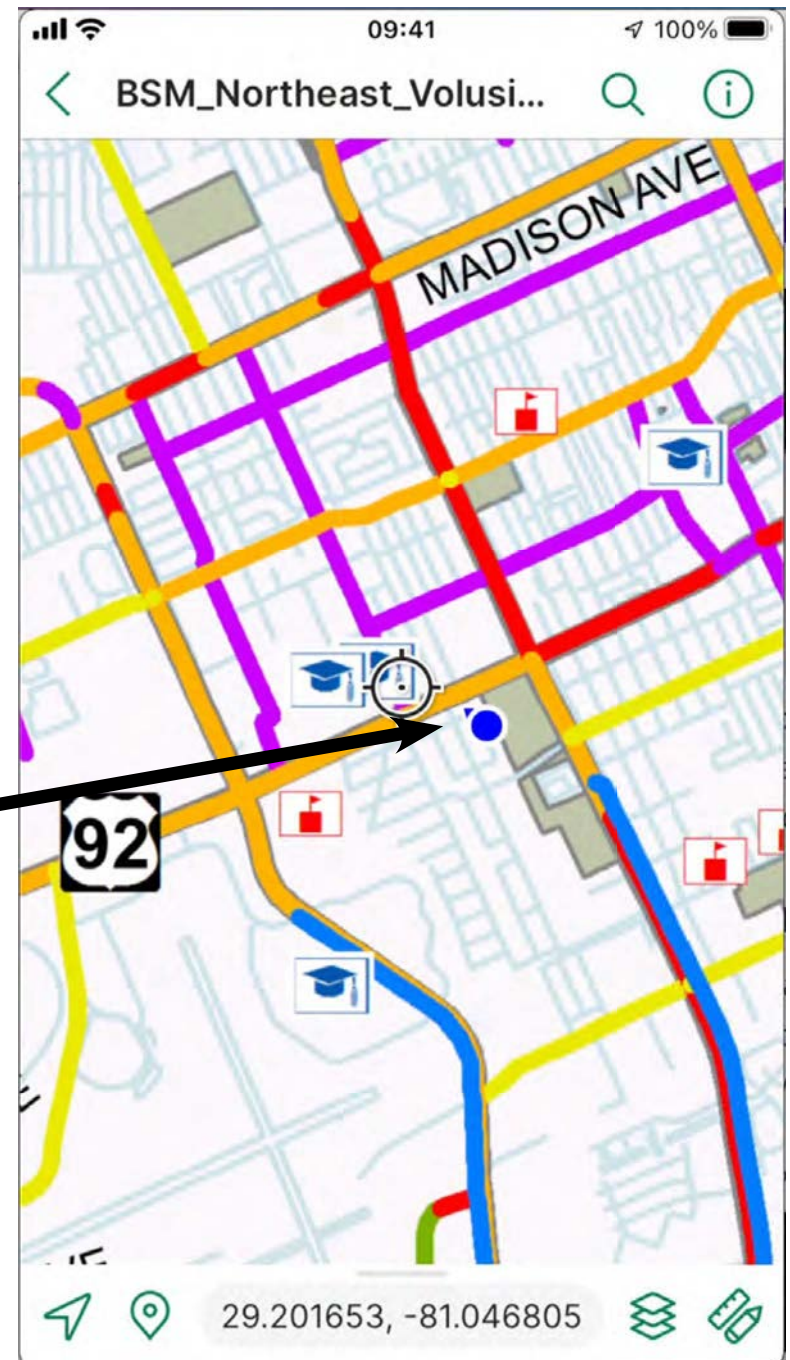
<https://www.slc.gov/transportation/bike/bikemap/>

Geospatial PDF is a set of geospatial extensions to the Portable Document Format (PDF) 1.7 specification to include information that relates a region in the document page to a region in physical space — called georeferencing.[1]

https://en.wikipedia.org/wiki/Geospatial_PDF

With a Geospatial Map, built-in GPS on your smartphone shows you where you are on map.

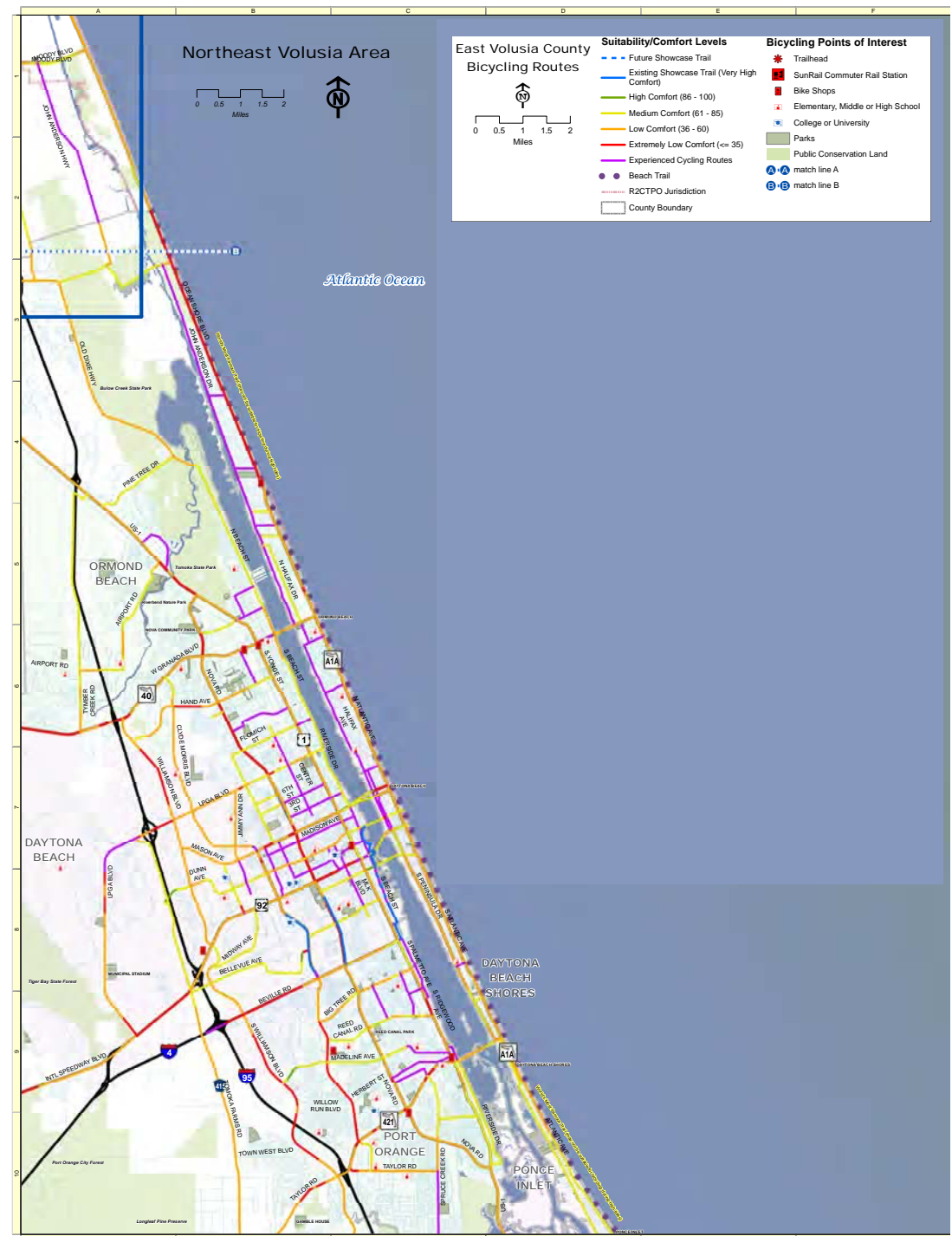
Blue-dot marks your location



Northeast Volusia Geospatial map (detail) within the Avenza Maps app.

Geospatial maps do not work with inset maps, only one set of geographic coordinates.

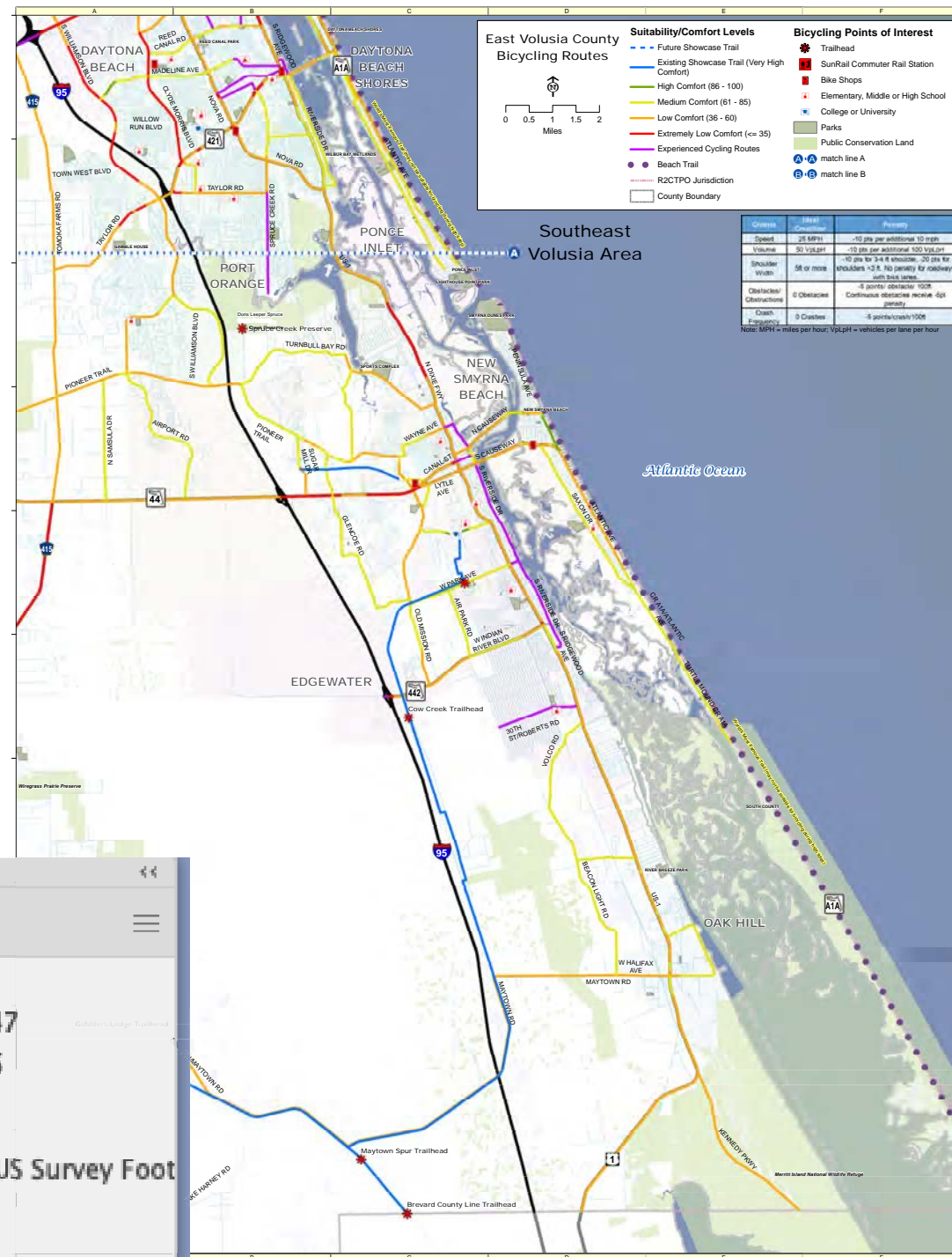
The Northeast Volusia map was created by removing the inset (more ocean!), then copying the legend from the Southeast map.



Northeast Volusia Geospatial Map

Georeferencing requires finding at least 4 locations in the map with precise coordinates.

Avenza MaPublisher plug-in for Adobe Illustrator finds a best fit to the coordinates.



MAP Info

Position

Easting: 498,677.994971

Northing: 1,798,976.115364

NAD27 / Florida East

Scale: 1 : 71,410.581

Coordinate System: NAD27 / Florida East

Geodetic base

Longitude: -81.004147

Latitude: 29.282605

Rotation: -0.16°

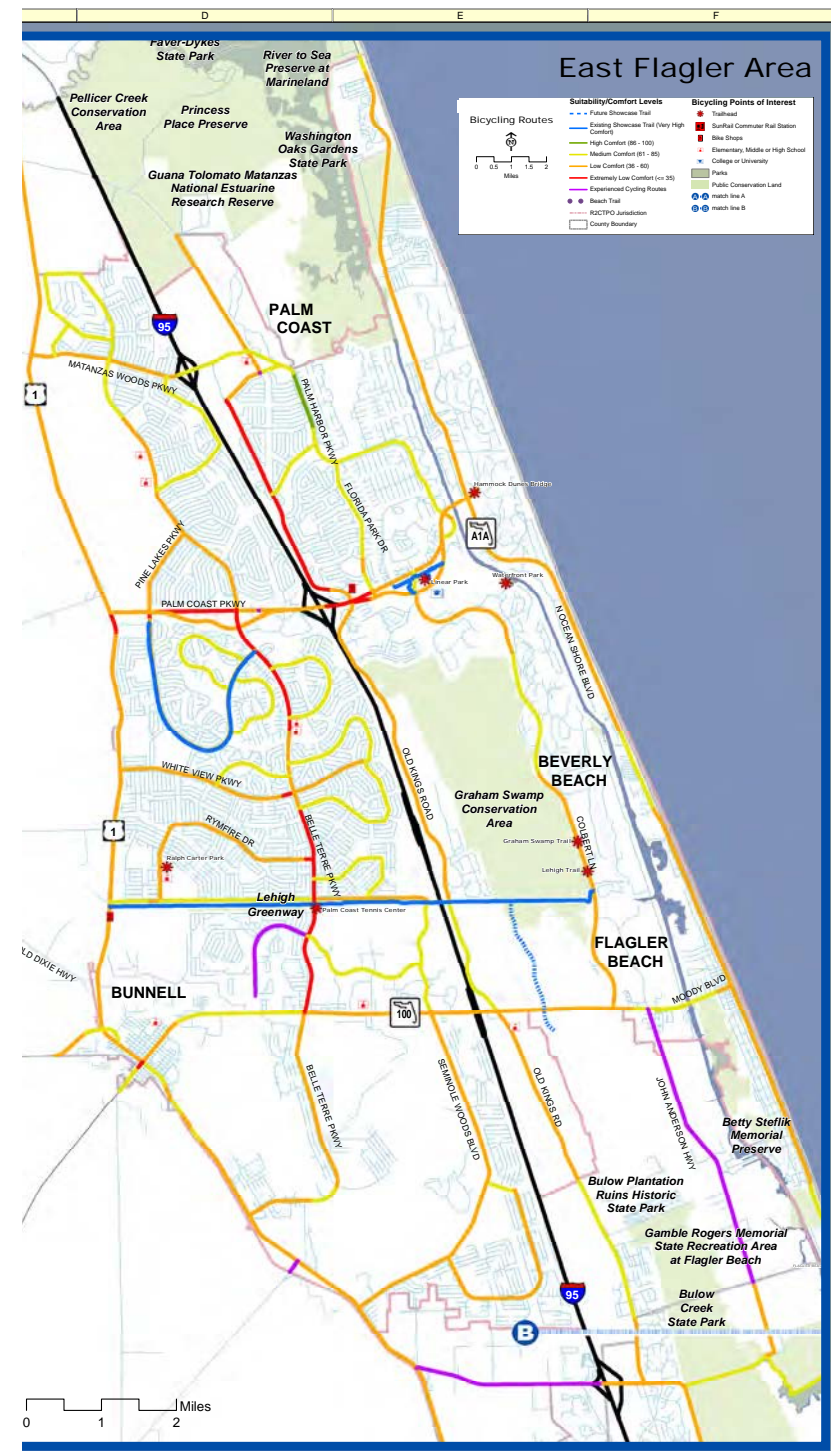
Units: US Survey Foot

Screen shot from Illustrator, post-georeferencing

Once a map is georeferenced, it can be exported as a Geospatial PDF.



The georeferencing is included, but the file can be read like normal PDF file or be used in an app that “sees” the geo-referencing.

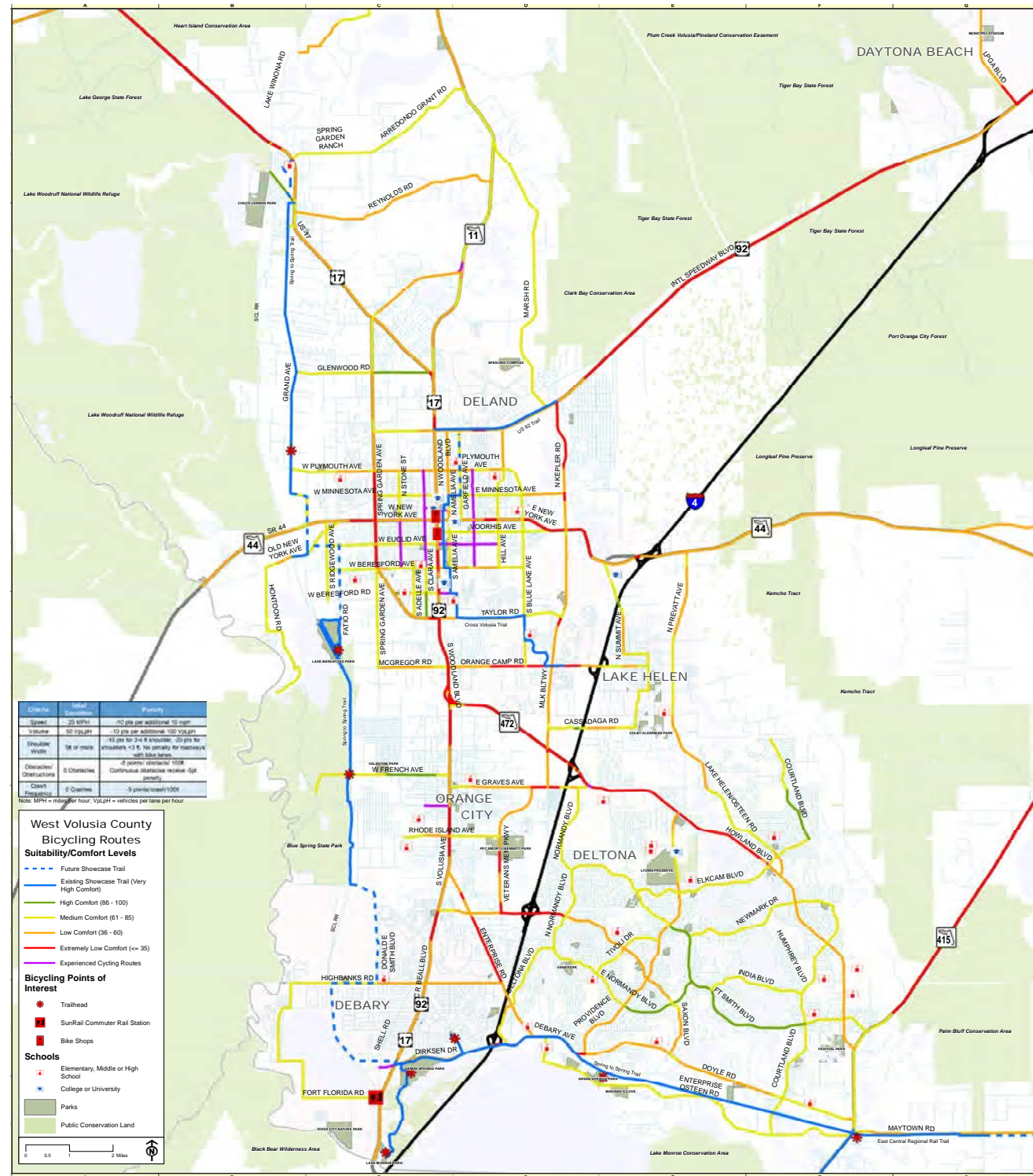


East Flagler Geospatial Map

To use a Geospatial map it must be uploaded to an app in your smart phone.



<https://www.avenzamaps.com>



40
West Volusia Geospatial Map

Free version of the Avenza Maps app allows only 3 imported maps at one time.

Future Bicycle Suitability maps could be designed with georeferencing in mind, reducing number of maps for the TPO region.



Pierson Area Geospatial Map

Live Demo:

Loading and using Map in the Avenza Map app.

**SUMMARY SHEET
BPAC
AUGUST 10, 2022**

IV. PRESENTATIONS AND DISCUSSION ITEMS

C. PRESENTATION AND DISCUSSION OF THE 2022 DANGEROUS BY DESIGN REPORT

BACKGROUND INFORMATION:

The 2022 Dangerous by Design Report was produced by Smart Growth America, a 501(c)(3) organization that focuses on climate change and resilience, advancing racial equity, and creating healthy communities. The report, focused on pedestrian safety, is divided into the following sections:

- I. Summary of Findings
 - II. Addressing the problem-what can be done?
 - III. The pandemic changed how we measure walking and danger
 - IV. The most dangerous places to walk
 - V. The impact on the most vulnerable populations
 - VI. What pandemic walking rates tell us about making streets safer
- Appendices: Methodology
Appendices: All tables and data

Here is a link to the report:

<https://smartgrowthamerica.org/wp-content/uploads/2022/07/Dangerous-By-Design-2022-v3.pdf>

TPO staff will lead a discussion of the 2022 Dangerous by Design Report.

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

**SUMMARY SHEET
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IV. PRESENTATIONS AND DISCUSSION ITEMS

D. PRESENTATION AND DISCUSSION OF ACCOMMODATIONS FOR BICYCLISTS AND PEDESTRIANS ON THE PROPOSED SR 5 (US 1) REPLACEMENT BRIDGES OVER PELLICER CREEK

BACKGROUND INFORMATION:

The existing SR 5/US 1 bridges over Pellicer Creek at the Flagler/St. Johns County line are structurally deficient. The existing southbound bridge was constructed in 1927 and reconstructed/widened in 1948. It has a 28' curb to curb width and an overall bridge width of about 33.17' and contains no sidewalks. The existing northbound bridge was constructed in 1956. It has a 28' curb to curb width and an overall bridge width of about 34.08' and contains no sidewalks. Existing 4' paved outside shoulders serve as the bicycle facility through the flush shoulder sections.

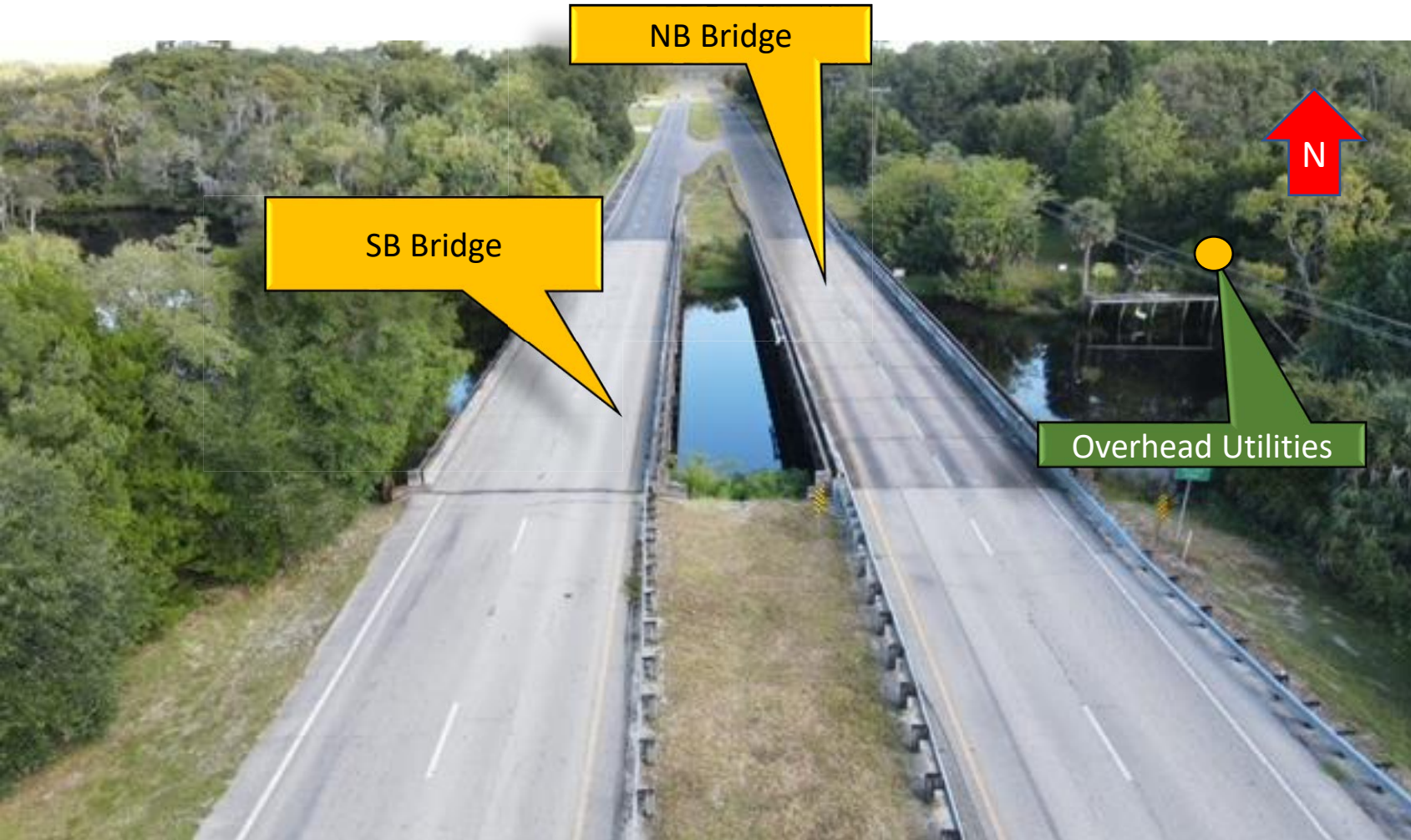
FDOT is proposing to replace both existing bridges with two new concrete structures within the existing 225' right-of-way. The proposed bridge typical section for the northbound and southbound directions includes a 6' inside shoulder, two 12' travel lanes, a 10' outside shoulder, and a single slope barrier on both sides totaling 40' curb to curb width and an overall bridge width of 42.67 feet. The proposed bridges will NOT contain sidewalks.

TPO staff will lead a discussion of possible accommodations for bicyclists and pedestrians on the proposed SR 5/US 1 replacement bridges over Pellicer Creek.

ACTION REQUESTED:

NO ACTION IS REQUIRED UNLESS OTHERWISE DIRECTED BY THE BPAC

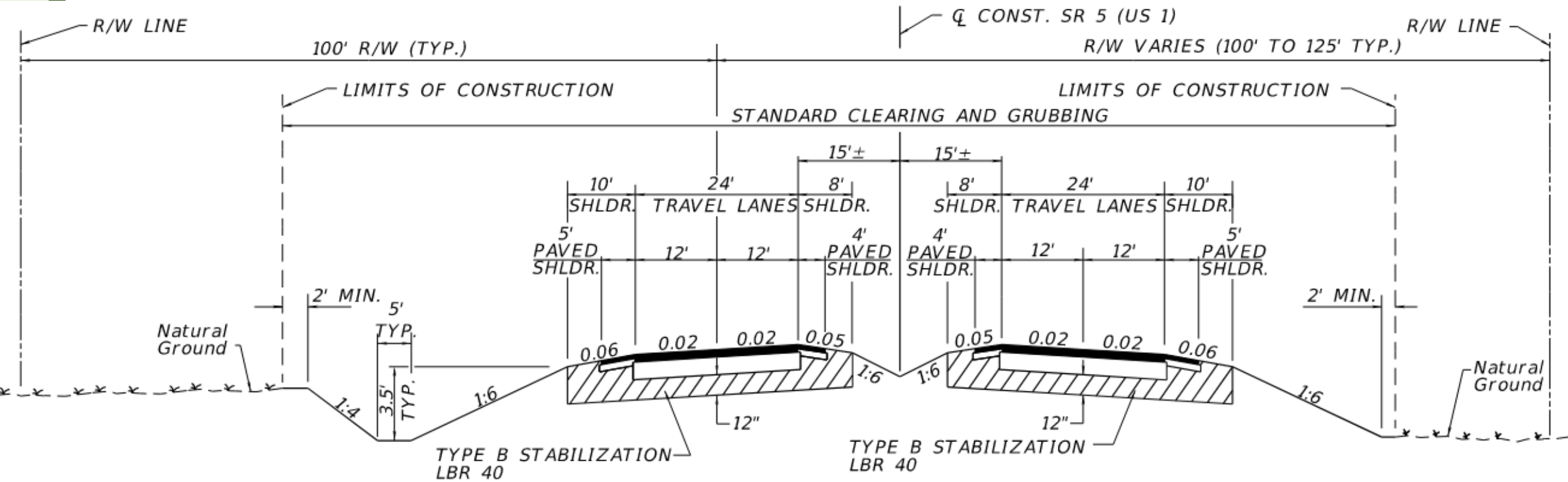
Project Overview



The purpose of the project is to replace both SR 5/US 1 bridges over Pellicer Creek at the Flagler/St Johns County line (Bridge Numbers 730045 and 730008).

The existing bridges are functionally obsolete. The NB bridge (constructed in 1957) has a sufficiency rating of 48.9 and SB bridge (constructed in 1927) has a sufficiency rating of 62.2 based on the latest inspection reports dated September 2021. The deck geometry appraisal rendered the bridges basically intolerable and required replacements.

Proposed Typical Sections:

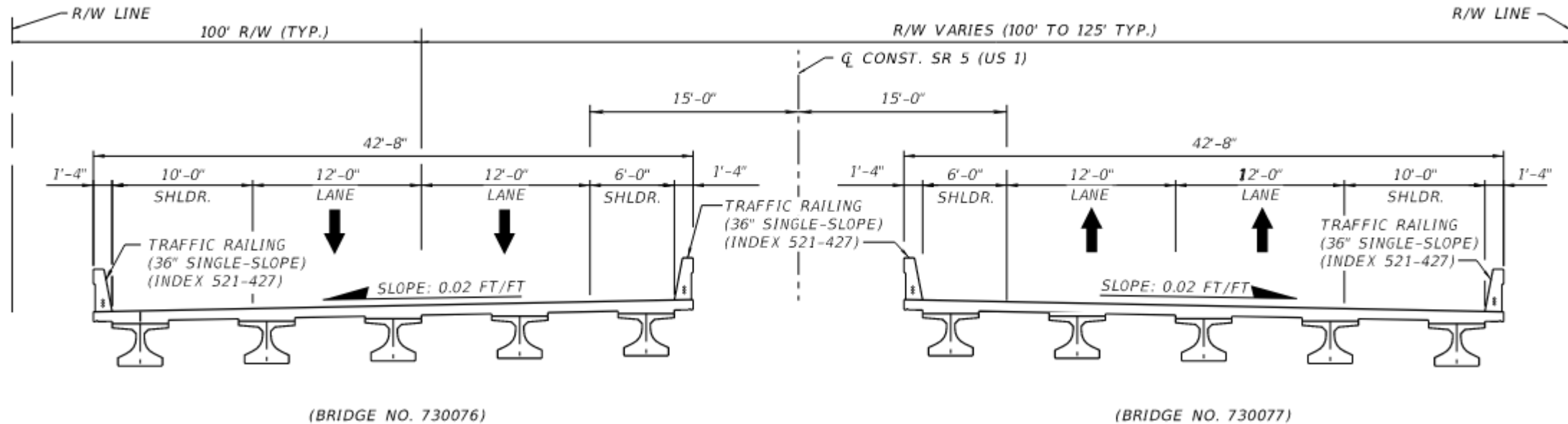


The project includes 2 typical sections

1. Roadway Typical Section:

Flagler County: MP 23.442 to MP 23.628 & St. Johns County: MP 0.00 to MP 0.117 Four 12-ft travel lanes (two per direction), 10-ft outside shoulders (5-ft paved), 8-ft inside shoulders (4-ft paved) and a 30-ft median.

Proposed Typical Sections:



2. Bridge Typical Section:

Flagler County MP 23.628 to MP 23.673: Four 12-ft travel lanes (two per direction), 10-ft outside shoulders, 6-ft inside shoulders, and a 30-ft median.

All States

All CBSAs

All Counties

Change state
FloridaSet county population filter
(ranking table only):

All values

Florida

Click a value to the right to
change the map and table.

Total Population (2020):

21,538,187

Numeric Change in Population (2010–2020):

2,736,877

Percent Change in Population (2010–2020):

14.6%

Housing Units (2020):

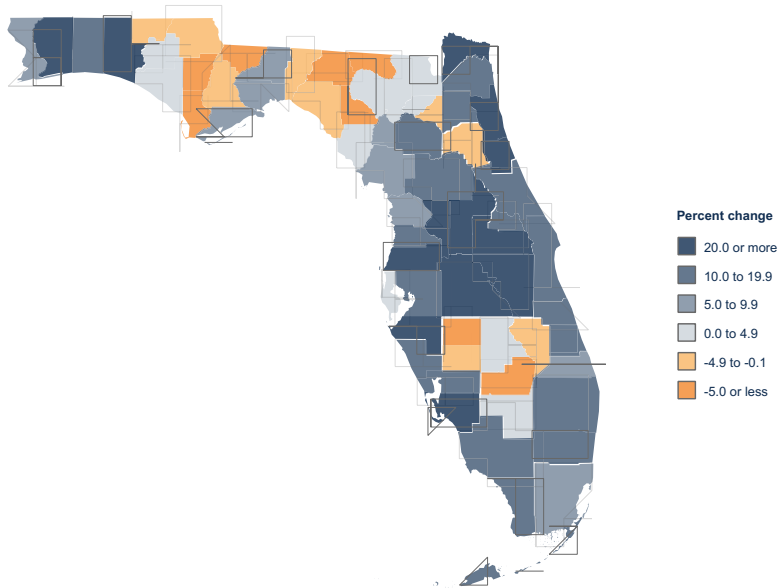
9,865,350

Housing Unit Vacancy Rate (2020):

13.5%

Percent Change in Housing Units (2010–2020):

9.7%

Percent Change in Population for Florida Counties:
2010–2020

Florida Counties

(Ranked by percent change in population, 2010–2020)

1.	Osceola County	44.7
2.	St. Johns County	43.9
3.	Sumter County	38.9
4.	Walton County	36.8
5.	Lake County	29.3
6.	Orange County	24.8
7.	Santa Rosa County	24.2
8.	Manatee County	23.8
9.	Nassau County	23.2
10.	Lee County	23.0
11.	Pasco County	20.9
12.	Flagler County	20.6
13.	Polk County	20.4
14.	Hillsborough County	18.8
15.	St. Lucie County	18.5

United States[®]
Census
BureauU.S. Department of Commerce
U.S. CENSUS BUREAU
census.govNotes: Classifications and ranking based on unrounded values.
U.S. totals and rankings do not include Puerto Rico.Source: U.S. Census Bureau, 2010 Census Redistricting Data (Public Law 94-171)
Summary File; 2020 Census Redistricting Data (Public Law 94-171) Summary File;

**SUMMARY SHEET
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V. STAFF COMMENTS

VI. INFORMATION ITEMS

- BPAC Attendance Record
- Florida Council of the Blind Resolution 2022-02
- TPO Board Report
- TPO Outreach & Activities

VII. BPAC MEMBER COMMENTS

VIII. ADJOURNMENT

******The next meeting of the BPAC will be on Wednesday, September 14, 2022******

BPAC Attendance Record 2022

Name	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Notes
Holly Ryan/Doug Hall	x v	exc	exc	exc	x p	x p							Daytona Beach (appt. 3/12) (alt. appt. 02/14)
Terry Lodge	x p	x p	x p	x p	x p	x p							DeBary (appt 8/2020)
Ted Wendler Vice Chairperson	abs	x p	x p		x p	x p							DeLand (appt. 05/11)
Luis Leal	x p	x p	x v	x v	x p	x v							Deltona (appt 11/2021)
Paul Eik	x p	exc	exc	x p	x p	exc							Flagler Beach (appt. 7/14) (alt appt 9/18)
Larry Coletti/Andy Dodzik	x p	x p	x p	x p	x v	x p							Flagler County (appt 2/16)(re-appt 3/22)
Thomas Ryan	x p	x v	abs	abs	x v	x v							Holly Hill (appt 9/19) (alt appt 5/2021)
Patrick McCallister		x v	abs	x v	x v	x v							Lake Helen (appt 2/22)
Nic Mostert	x p	exc	x p	x p	x p	exc							New Smyrna Beach (appt. 03/15)
Bob Storke	x p	x p	x p	x p	x p	x p							Orange City (appt. 12/07)
Gayle Belin	x p	x p	x p	x p	x p	x p							Ormond Beach (appt. 01/15 - 07/16)
Danielle Anderson/Andrew Dodzik	x p	x p	exc	x p	exc	x p							Palm Coast (Appt. 02/16) (Alt appt 9/19)
Mark Oebbecke/Nancy Epps	x p	xp xv	xp xv	xp xv	x p	xp xv							Ponce Inlet (Appt 12/2020) (alt appt 8/2021)
Christy Gillis	exc	x p	x v	exc	x v	exc							South Daytona (appt. 01/16)
Roy Walters/Jason Aufdenberg Chairperson	xv xp	xv xp	x p	xp xp	x p	xp xp							Volusia County At-Large (appt. 03/05) (alt. appt 07/12)
Maggie Ardito/Emery Jeffreys		x v	x v	x p	x p	xv xp							Volusia County D-1 (appt. 2/22) (alt 5/22)
Tim Grigsby	x v	exc	x p	x v	x v	x p							Volusia County D-4 (appt 4/2021)
Chris Daun	x p	x p	x p	x v	exc	exc							Volusia County Chair (appt 3/2021)
Adam Mengel (non-voting)	abs	abs	abs	abs	abs	abs							Flagler County (appt. 8/15/2021)
Gwen Perney (non-voting)	x v	x v	x v	x v	x v	x v							Large City - Port Orange
John Cotton/Edie Biro (non-voting)	x v	x v	x v	x p	x v	exc							Votran (appt. 07/13)(alt. appt. 02/16)
Melissa Winsett/Terri Bergeron (non-voting)	x p	abs	x p	exc	x p	abs							Volusia County (02/14)
Rob Brinson (non-voting)	abs	abs	abs	abs	abs	abs							Volusia County School Board (appt. 01/16)
Stephanie Moss (non-voting)	x p	x v	exc	x v	x v	exc							FDOT (appt 11/19)
PHYSICAL QUORUM	Y	Y	Y	Y	Y	Y							

Vacancies

Beverly Beach
 Bunnell
 Daytona Beach Shores
 Edgewater
 Flagler County School Board
 Flagler County Transit
 Oak Hill
 Pierson
 Port Orange
 Volusia County D-2
 Volusia County D-3
 Volusia County D-5

LEGEND

x = present
 p = present physically
 v = present virtually
 abs = absent (unexcused)
 exc = excused



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June 13, 2022

Florida Council of the Blind

Resolution 2022-02

Innovative Paratransit Approaches

WHEREAS, every paratransit system in the state of Florida is experiencing difficulty recruiting and retaining drivers; and

WHEREAS, during the pandemic many services either provided less service or operated with increased wait times and decreased passenger capacity; and

WHEREAS, the net result throughout the state has been a tendency to see service delivery characterized by long wait times and sometimes even an inability to provide trips; and

WHEREAS, several transit authorities within the state of Florida and around the country have utilized ride sharing companies to supplement the services delivered through paratransit vehicles; and

WHEREAS, in addition to the potential to save dollars this approach provides, it also allows for same day reservations which significantly increases the value of the service to its users.

NOW THEREFORE BE IT RESOLVED by the Florida Council of the Blind in convention assembled at the Sheraton Orlando North Hotel in Maitland Florida on this the fifth day of June 2022 that this organization urges local transit agencies and local transit boards to immediately implement the use of ride sharing as a way to substantially improve service delivery to its users; and

BE IT FURTHER RESOLVED that the Transportation Disadvantaged Commission is hereby urged to immediately begin gathering information on ride share vehicle usage which the commission can make available to interested individuals and entities throughout Florida. and

BE IT FURTHER RESOLVED that the Florida Council of the Blind wishes to particularly commend Pinellas, Broward and Duval counties for their innovative implementation of same day trips.

This resolution was adopted.



**River to Sea TPO Board
Meeting Summary
June 22, 2022**

Due to COVID-19 the meeting was held as a hybrid meeting in accordance with AGO 2003-41 with 13 voting and three non-voting members physically present; and with four voting and two non-voting members attending remotely

- Approved the Consent Agenda including approval of: May 25, 2022 meeting minutes; TDLCB appointments; Executive Director's timesheet review reports; cancellation of the July Executive Committee and TPO Board meetings; and Resolution 2022-12 authorizing the execution of the Metropolitan Planning Organization (MPO) Agreement for the use of federal planning funds
- Approved Resolution 2022-13 adopting the FY2022/23 to 2026/27 Transportation Improvement Program (TIP) by a roll call vote
- Approved Resolution 2022-14 adopting the River to Sea TPO 2022 List of Priority Projects (LOPP)
- Approved Resolution 2022-15 adopting the Congestion Management Process (CMP) Report subject to the resolution of agency comments as indicated in the response to comments memorandum and presenting the final compiled CMP Report at the August TPO Board meeting
- Approved Resolution 2022-16 adopting the River to Sea TPO's Public Participation Plan (PPP)
- Received a PowerPoint presentation of the I-95 at US 1 Project Development & Environmental (PD&E) Study
- Received a PowerPoint presentation of the I-4 Truck Parking Site Selection Project Development & Environmental (PD&E) Study
- Discussed the Bipartisan Infrastructure Law and funding opportunities
- Received the FDOT report; announced they are continuing to install wrong-way driving infrastructure along I-4
- Received the Interim Executive Director's report regarding the upcoming project programming development cycle; and an update on the year-end close-out

The next River to Sea TPO Board meeting will be on Wednesday, August 26, 2022 at 9:00 am

Beverly Beach	DeBary	Flagler Beach	New Smyrna Beach	Palm Coast	South Daytona
Bunnell	DeLand	Flagler County	Oak Hill	Pierson	Volusia County
Daytona Beach	Deltona	Holly Hill	Orange City	Ponce Inlet	
Daytona Beach Shores	Edgewater	Lake Helen	Ormond Beach	Port Orange	

July-August 2022 TPO Outreach & Activities

21st Century Community Learning Center (CCLC) Summer Camp Helmet Fitting



The River to Sea TPO worked with the Flagler County Schools 21st CCLC Summer Camp to bring a bicycle safety presentation to the students and fit and donate 117 bicycle helmets on July 21, 2022. The 21st CCLC program is geared toward high-poverty and/or struggling students. Campers received helmets along with literature on bicycle safety and how to properly fit a helmet.

Tour de Palm Coast

The River to Sea TPO participated in the 2022 Tour de Palm Coast by hosting a table at the event. Much information was given out including TPO 2019 Bicycle Suitability Maps, reflective backpacks and first aid kits.



COVID-19 UPDATES

In response to the COVID-19 pandemic, core planning activities continue as required:

- TPO Board and committee meetings continue to require that a quorum be physically present; all other participants are being asked to attend TPO meetings remotely
- All public meetings are held using Microsoft Teams and the meeting information and links to join are posted on the TPO website at www.R2CTPO.org



July-August 2022 TPO Outreach & Activities

AUGUST EVENTS:

- 4: Central Florida Commuter Rail Commission Meeting; Lynx Central Station
- 6: Flagler County Back to School Jam; Flagler-Palm Coast High School
- 9: Granada Blvd. Improvements Public Meeting; The Casements
- 18: US 17 Widening Project Public Meeting; Calvary Full Gospel Church, DeLeon Springs
- 18-19: Florida Metropolitan Planning Partnership Meeting; Turkey Lake Plaza Auditorium

ONGOING PROJECTS, STUDIES & ACTIVITIES

- Develop Non-Motorized Traffic Count Program
- Regional Resiliency Action Plan Implementation
- General Planning Consultant (GPC) Request for Proposal (RFP)
- Bike/Ped Feasibility Studies Consultant RFP
- River to Sea TPO Website RFP
- Safe Streets & Roads for All Grant for Comprehensive Action Plan
- FY 2021/22 Public Participation Evaluation Matrix
- FY 2021/22 TPO Annual Report
- Anastasia Dr. Shared Use Path Feasibility Study (FS) (South Daytona)
- DeLand West Greenway FS
- Jackson St Sidewalk FS (Port Orange)
- Transportation Improvement Program (TIP) Roll-Forward Amendment
- Updates to the Regional Priority List
- Annual FY 2021/22 TPO Audit



Flagler County Summer Camp & Vincent's Clubhouse Helmet Fitting

On Wednesday, July 27, 2022, the River to Sea TPO staff gave a presentation on bicycle safety to the Flagler County Summer Camp and then fit and donated 125 bicycle helmets. Also distributed was safety literature explaining how to properly fit a bicycle helmet and correct hand signals. In addition, the TPO staff fit and donated 12 helmets to the children who attend Vincent's Clubhouse which serves autistic and disabled kids.

BIKE SAFETY

