



MEETING AGENDA

Please be advised that the River to Sea Transportation Planning Organization (TPO) **CITIZENS ADVISORY COMMITTEE (CAC) & TECHNICAL COORDINATING COMMITTEE (TCC)** will be meeting on:

DATE: Tuesday, April 17, 2018
TIME: 1:15 P.M. (CAC) & 3:00 P.M. (TCC)
PLACE: River to Sea TPO Conference Room
2570 W. International Speedway Blvd., Suite 100
Daytona Beach, Florida 32114

Ms. Janet Deyette, CAC Chairperson

Mr. Jose Papa, TCC Chairperson

CAC & TCC AGENDA

- I. CALL TO ORDER/ROLL CALL/DETERMINATION OF QUORUM/PLEDGE OF ALLEGIANCE
- II. INTRODUCTION OF NEW TCC MEMBER (TCC ONLY)
- III. PUBLIC COMMENT/PARTICIPATION *(Public comments may be limited to three (3) minutes at the discretion of the Chairperson)*
- IV. ACTION ITEMS
 - A. REVIEW AND APPROVAL OF MARCH 20, 2018 CAC/TCC MEETING MINUTES *(Contact: Debbie Stewart) (Enclosure, CAC pages 3-12; TCC pages 3, 13-18)*
 - B. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2018-## AMENDING THE FY 2017/18 TO 2021/22 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) *(Contact: Colleen Nicoulin) (Enclosure, pages 19-24)*
 - C. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2018-## ADOPTING THE FY 2018/19 AND 2019/20 UNIFIED PLANNING WORK PROGRAM (UPWP) *(Contact: Colleen Nicoulin) (Enclosure, pages 25-27)*
 - D. REVIEW AND RECOMMEND APPROVAL OF THE 2018 RIVER TO SEA TPO'S "TELL THE TPO" SURVEY AND SURVEY KICK-OFF *(Contact: Pamela Blankenship) (Enclosure, pages 28-42)*
- V. PRESENTATIONS, STATUS REPORTS AND DISCUSSION ITEMS
 - A. PRESENTATION AND DISCUSSION TO BUNDLE HOLLY HILL SIDEWALK PROJECTS ALONG CENTER AVENUE, FLOMICH STREET AND 15TH STREET *(Contact: Stephan Harris) (Enclosure; pages 43-47)*

Beverly Beach
Bunnell
Daytona Beach
Daytona Beach Shores

DeBary
DeLand
Deltona
Edgewater

Flagler Beach
Flagler County
Holly Hill
Lake Helen

New Smyrna Beach
Oak Hill
Orange City
Ormond Beach

Palm Coast
Pierson
Ponce Inlet
Port Orange

South Daytona
Volusia County

- V. PRESENTATIONS, STATUS REPORTS AND DISCUSSION ITEMS** *(Continued)*
- B. PRESENTATION AND DISCUSSION OF THE 2018 R2CTPO ANNUAL PLANNING RETREAT** *(Contact: Pamela Blankenship) (Enclosure, page 48)*
 - C. PRESENTATION AND DISCUSSION OF THE R2CTPO TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS (TSM&O) MASTER PLAN** *(Contact: Colleen Nicoulin) (Enclosure, page 49)*
 - D. FDOT REPORT** *(Contact: Vickie Wyche, FDOT District 5) (Enclosure, pages 50-61)*
 - E. VOLUSIA COUNTY AND FLAGLER COUNTY CONSTRUCTION REPORTS** *(Contact: Volusia County & Flagler County Traffic Engineering) (Enclosure, pages 62-63)*
- VI. STAFF COMMENTS** *(Enclosure, pages 64-73)*
- Update on Annual Call for Projects
 - Update on Rectangular Rapid Flashing Beacons (RRFBs)
- VII. CAC/TCC MEMBER COMMENTS** *(Enclosure, page 64)*
- VIII. INFORMATION ITEMS** *(Enclosure, pages 64, 74-78)*
- CAC & TCC Attendance Records
 - River to Sea TPO Board Meeting Summary for March 28, 2018
 - March TPO Outreach and Events
 - Regional Resiliency Action Plan Listening Session
- IX. ADJOURNMENT** *(Enclosure, page 64)*

****The next CAC and TCC meetings will be on Tuesday, May 15, 2018****

NOTE: If any person decides to appeal a decision made by this 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.

**MEETING SUMMARY
CAC & TCC
APRIL 17, 2018**

IV. ACTION ITEMS

A. REVIEW AND APPROVAL OF MARCH 20, 2018 CAC/TCC MEETING MINUTES

Background Information:

Minutes are prepared for each CAC and TCC meeting and said minutes must be approved by their respective committees.

ACTION REQUESTED:

MOTION TO APPROVE THE MARCH 20, 2018 CAC/TCC MEETING MINUTES

**Citizens' Advisory Committee (CAC)
Meeting Minutes
March 20, 2018**

CAC Members Present:

Sue Habel
Janet Deyette, Chairperson
Bliss Jamison
Marcia Stevens-Foltz
Gilles Blais, Vice Chairperson
Nora Jane Gillespie
Bob Storke
Susan Elliott
Joe Villanella
Bobby Ball
Patricia Lipovsky
Elizabeth Alicia Lendian
Melissa Winsett (non-voting)
Edie Biro
Vickie Wyche (non-voting advisor)

CAC Members Absent:

Ralph Bove (excused)
Daryl Hickman
Faith Alkhatib (non-voting)
Bob Owens
Alan Peterson (excused)
Jack Delaney
Terry Bledsoe (excused)

Others Present:

Debbie Stewart, Recording Secretary
Pam Blankenship
Colleen Nicoulin
Lois Bollenback
Stephan Harris
Aarti Sharma
Vince Wang
Heather Grubert
Lara Bouck
Laura Turner
John Scarlatos
Kristin Caruso
Amit Singh
Angelike Keene

Representing:

Daytona Beach
Deltona
Edgewater
Flagler County
Holly Hill
New Smyrna Beach
Orange City
Pierson
Ponce Inlet
Port Orange
Volusia County
Volusia County
Volusia County Traffic Engineering
Votran (CTC)
FDOT District 5

Representing:

DeBary
Flagler Beach
Flagler County Traffic Engineering
Flagler County Transit
Palm Coast
South Daytona
Volusia County

Representing:

TPO Staff
TPO Staff
TPO Staff
TPO Staff
TPO Staff
TPO Staff
TPO Staff
FDOT
H.W. Lochner
Citizen
Scalar Consulting
Scalar Consulting
Scalar Consulting
UF/IFAS

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

Chairperson Deyette called the meeting of the River to Sea Transportation Planning Organization (TPO) Citizens Advisory Committee (CAC) to order at 1:15 p.m. The roll was called and it was determined that a quorum was present.

II. Introduction of New CAC Members (CAC Only)

Chairperson Deyette introduced Ms. Sue Habel, Daytona Beach representative.

III. Press/Citizen Comments

There were no press/citizen comments.

IV. Action Items

A. Review and Approval of February 20, 2018 CAC Meeting Minutes

MOTION: *A motion was made by Mr. Storke to approve the February 20, 2018 CAC meeting minutes. The motion was seconded by Mr. Blais and carried unanimously.*

B. Appointment of 2018 Transportation Improvement Program (TIP) Subcommittee Members

Chairperson Deyette stated each year, the TIP Subcommittee is convened to evaluate priority project applications and to review the Call for Projects process and selection criteria used to develop the TPO's Project Priority Lists. TPO staff is seeking volunteers from each advisory committee to participate in this subcommittee.

Ms. Nicoulin stated the TIP Subcommittee reviews project applications for Traffic Operations/ITS/Safety and planning projects for feasibility studies and implementation. The purpose of this subcommittee is to rank the applications that are received during the Annual Call for Projects so they can be listed on the TPO's Project Priority List. The Call for Projects is currently open and will close on April 2, 2018. There will tentatively be a subcommittee meeting the week of April 16, 2018 and the week of April 23, 2018. The current TIP Subcommittee members are listed on page 17 of the agenda; the TPO is asking if the current CAC members on the TIP Subcommittee wish to continue to serve. Mr. Peterson is not here today but she did speak with him and he does wish to continue serving. It is also open for any additional volunteers; there is no limit on the number of people who can be on the subcommittee but there must be a quorum at the meeting. She asked for confirmation from Mr. Storke, Mr. Blais, Ms. Lendian, Ms. Gillespie, and Mr. Ball if they wished to remain on the TIP Subcommittee; all confirmed they did. She asked if anyone else would like to volunteer.

Ms. Lipovsky volunteered.

MOTION: *A motion was made by Mr. Villanella to reappoint Mr. Alan Peterson, Mr. Bob Storke, Mr. Gilles Blais, Mr. Bobby Ball, Ms. Elizabeth Lendian and Ms. Nora Jane Gillespie and to appoint Ms. Patricia Lipovsky to the Transportation Improvement Program (TIP) Subcommittee. The motion was seconded by Mr. Storke and carried unanimously.*

C. Review and Recommend Approval of Resolution 2018-## Adopting the Bicycle and Pedestrian Master Plan Report

Chairperson Deyette stated the Bicycle and Pedestrian Plan is intended to serve as a resource for non-motorized travel on roadways, multi-use trails, sidewalks and bicycle lanes in Volusia and Flagler Counties.

Mr. Harris stated a link to final draft of the Bicycle and Pedestrian Master Plan Report was provided in the agenda on page 18. It is similar to the draft from last month with minor improvements to the maps used in the bicycle and pedestrian crash data. He is happy to address any comments or questions regarding the final draft report.

MOTION: *A motion was made by Mr. Storke to recommend approval of Resolution 2018-## adopting the Bicycle and Pedestrian Master Plan Report. The motion was seconded by Mr. Blais and carried unanimously.*

V. Presentation Items

A. Presentation and Discussion of the “Tell the TPO” Survey Campaign

(Handout)

Ms. Blankenship stated every two years, the TPO takes on the “Tell the TPO” survey; this will be the third one. The purpose of the survey is to understand the public’s priorities and preferences on transportation for the TPO planning area. She introduced Ms. Lara Bouck, H.W. Lochner, to give the presentation.

Ms. Bouck gave a PowerPoint presentation and stated there are several goals for the survey; the primary goal is to obtain information on public opinion of transportation issues and the desires for mobility options in the TPO region. She reviewed the secondary goals and stated the target audience is everyone that lives, works or visits the TPO region; the goal is to receive 2,000 responses. She reviewed the marketing plan and the ways the survey will be accessed. There will be a prize drawing for the public responses, a competition between the committees of the TPO with a trophy for the winning committee and a trophy awarded to the most successful TPO Board member. The prior survey results are available on the TPO website. She reviewed the outreach efforts for the survey. Her team has been working with TPO staff and various stakeholders to review the survey instrument and suggest questions to change or new questions to add. There are six new questions under consideration. She encouraged the members to make any suggestions for questions or topics.

Ms. Gillespie suggested contacting the League of Women Voters about putting the survey on their website.

Ms. Foltz asked if the cities and counties will put it on their websites.

Ms. Bouck replied yes. She asked for the committee members opinions on the suggested new questions.

Ms. Gillespie commented that sea level rise is big right now.

Ms. Foltz replied that sea level rise and evacuation go together.

Ms. Bouck explained the wording of the question regarding sea level rise and stated it is a multiple choice question with a five-point scale from very impactful to not impactful at all.

Ms. Lipovsky asked if the survey instrument would be accessible for a screen reader.

Ms. Bouck replied yes.

Ms. Elliott asked if there was a question regarding existing roadways.

Ms. Bouck replied yes; the question asks about the overall satisfaction with the current transportations facilities.

Ms. Foltz asked if there was a comment box on the survey.

Ms. Bouck replied yes, at the end of the survey.

Ms. Winsett suggested reaching out to the high schools and drivers education departments.

Ms. Gillespie suggested the teachers’ union for Volusia County; they have good distribution and it will go out to all the schools.

Ms. Bouck reviewed the schedule for the survey; presentations are given to the committees and TPO Board this month and the final draft will be adopted in April. The survey will go live April 30, 2018 and remain open for two months. The data will be compiled and analyzed in July and the results presented in August.

Ms. Elliott asked if a presentation would be made to the Volusia County Council.

Ms. Blankenship replied that most of the Volusia County Council members are on the TPO Board and it will be presented at the board meeting.

Chairperson Deyette asked what the deadline was for input or comments.

Ms. Blankenship replied next Friday, March 30, 2018.

B. Presentation and Discussion of the St. Johns River to Sea Loop Trail PD&E Study

Chairperson Deyette stated the St. Johns River to Sea Loop Trail PD&E Study is being conducted to develop and evaluate options for a multi-use trail along US 1 in the cities of New Smyrna Beach, Port Orange, South Daytona and unincorporated Volusia County.

Mr. John Scarlatos, Scarlar Consulting Group, gave a PowerPoint presentation of the St. Johns River to Sea Loop Trail PD&E Study from SR 44 at Lytle Avenue to Beville Road. He reviewed the background and the purpose of the trail and explained that PD&E stands for Project Development and Environment and it is conducted to meet the requirements of the National Environmental Policy Act (NEPA). A link to the presentation was provided on page 33 of the agenda. He reviewed the issues being addressed in the PD&E study and stated when the study is complete, one of two recommendations will be made; a “no-build” alternative and a “build” alternative. The project is funded with SUN Trail money; SUN Trail provides for the PD&E study, design and construction but not operations and maintenance. FDOT is not obligated to provide operations and maintenance. This study is part of a regional trail and will close a gap in the loop. He reviewed the project location, the purpose and need of the study. The trail is approximately 12 miles in length in Volusia County from SR 44/Lytle Avenue to Beville Road along US 1.

Ms. Elliott asked where the trail on Beville Road would the come out.

Mr. Scarlatos replied it would tie in from Palmetto Avenue; there is already a trail system there. He reviewed the challenges of the project and stated right-of-way is the biggest one. They cannot go through eminent domain and forcefully take any property. He reviewed the components of the study; engineering, environmental and public involvement. He showed the map and explained the corridor alternatives in New Smyrna Beach including a possible one-way street conversion along Riverside Drive. There will be a public meeting held for the residents to provide input.

Ms. Gillespie asked when that public meeting will be held.

Mr. Scarlatos replied it is tentatively scheduled for April 18, 2018 at 5:30 p.m.; the location is still to be determined.

Ms. Jamison asked what side of the road the trail will be on.

Mr. Scarlatos replied it will be on the side of the water.

Ms. Foltz asked if there was an alternative to the proposed route along US 1.

Mr. Scarlatos replied they did try to avoid US 1 as much as possible but in this location there is a directional median opening and is not safe for crossing. It is safer to cross at the intersection.

Ms. Gillespie commented that there are really bad problems with this design; it is a deadly intersection. She asked if there was enough right-of-way on the bridges over Spruce Creek for the trail. Mr. Scarlatos replied there are a couple of options; they could do a widening or get a variance and utilize the existing shoulder. He continued to review the maps and corridor alternatives in New Smyrna Beach, Port Orange and South Daytona.

Ms. Jamison asked where the one-way street in Port Orange would be.

Mr. Scarlatos replied at Halifax Avenue and Riverside Drive coming down from Commonwealth Avenue to just north of Dunlawton Avenue. He continued reviewing the maps. He reviewed the stakeholders involved and the coordination of the multiple government agencies. There were two kick-off meetings held to gather public input; one north and one south. Amenities were suggested but SUN Trail funds do not cover amenities; they would have to come from the cities or county. He reviewed the feedback from those public meetings.

Mr. Ball referred to the proposed one-way conversion of Halifax Avenue and asked if that was north bound or south bound.

Mr. Scarlatos replied that is still to be determined. He reviewed the study schedule and stated currently, the study is in the Environmental and Engineering Analysis phase. It is expected to be completed by June 2019. Design is funded for 2019; right-of-way and construction are currently not funded. He gave the website link and stated the FDOT Project Manager is Ms. Heather Grubert; he gave her contact information.

Ms. Foltz asked if all the cities involved agreed to take on the maintenance of the trail.

Ms. Gillespie replied no, it has not been discussed yet.

Ms. Elliott asked for whom the study was prepared.

Ms. Grubert replied FDOT.

Ms. Elliott asked if it was requested by any of the cities or trails that wanted to be linked to this.

Ms. Grubert replied it is part of the St. Johns River to Sea Loop Trail and it was decided this is the next section; they are trying to fill in all the gaps.

Discussion continued.

Mr. Ball referred to the meeting in New Smyrna Beach in April and asked when there would be a public meeting in Port Orange.

Mr. Scarlatos replied there is a presentation to the Port Orange City Council tonight at 6:30 pm.

Discussion continued.

C. Presentation and Discussion of Rectangular Rapid Flashing Beacon (RRFB) Alternatives

(Handout)

Ms. Nicoulin stated it was presented in January that the Federal Highway Administration rescinded their interim approval of rectangular rapid flashing beacons (RRFBs). The BPAC had asked for a presentation on alternatives to the RRFBs.

Mr. Harris showed videos of RRFBs and of various available alternatives to them and explained how they work. All these alternatives are approved by FHWA and are in the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD). Although no new RRFBs can be installed, there are many that are installed already and are operational. The hope is that the patent dispute that caused FHWA to rescind their approval will be resolved soon.

Ms. Foltz asked if lights could be put in the crosswalks like they have in Boca Roton.

Mr. Harris replied yes; those are in-pavement warning lights.

Ms. Lendian referred to a crosswalk in New Smyrna Beach where there are four lanes; two lanes going south and two lanes going north. There are the RRFBs there with the flashing lights and she asked if a pedestrian pushed the button on the northbound side if the southbound traffic had to stop.

Mr. Harris replied all vehicles must stop when a pedestrian is in the crosswalk.

Discussion continued.

Ms. Gillespie commented asked if the TPO had any potential sites for mid-block crossings.

Mr. Harris replied yes; FDOT is working on two mid-block crossings between Clyde Morris Boulevard and White Street on International Speedway Boulevard (ISB). One will be in front of Mainland High School and will be a pedestrian hybrid beacon. The second will be in front of Daytona State College and will be a more traditional mid-block crossing; both will be activated by a pedestrian with a push button. Both are currently in design and hope to go to construction by 2020.

Ms. Foltz commented there is a mid-block crossing on SR 100 in Flagler Beach and she asked if it was scheduled for an upgrade; it needs help. She asked if there had been a study that identifies where the mid-block crossings should be.

Ms. Nicoulin replied the purpose of the presentation is to identify what the alternatives are to the RRFBs. There has not been a project application submitted for that particular location. That is a state road and she does not know if any inquiries have been made to FDOT. This presentation is not to identify specific projects but to bring attention to the alternatives.

Mr. Harris continued showing videos of the alternatives to RRFBs including a pedestrian hybrid beacon called a high-intensity activated crosswalk (HAWK) that is planned for the mid-block crossing in in front of Mainland High School. He explained how the HAWK signal works. This will be the first in the area and FDOT does plan to have an outreach educational campaign.

Ms. Lipovsky asked if these alternative signals have the audible feature for the visually impaired.

Mr. Harris replied the existing pedestrian features at intersections on International Speedway Boulevard (ISB) and Clyde Morris Boulevard and White Street are so equipped. He expects the new pedestrian signals to be equipped as well.

Mr. Villanella asked if the traffic signals are programmable to adjust the timing between yellow and red light remotely or at the device.

Mr. Harris replied yes; hopefully they will be programmed so that there are not unnecessary starts and stops. They are expected to be coordinated with other signals along the route.

Mr. Ball commented that a lot of the signals along ISB are timed and tied together and asked if this would interrupt that sequence or be brought in line with them.

Mr. Harris replied he does not know yet; once the signal goes through one cycle there is a delay to get the traffic pattern back to normal.

Ms. Nicoulin stated the TPO has two projects on the Project Priority List for installation of RRFBs in Ormond Beach; one on Granada Boulevard and one on SR A1A. Those will be installed because they were already in the process; however, there will be no new RRFB projects. There are a number of alternatives on the provided handout; if anyone has any questions or needs further information, to please contact her.

Mr. Harris explained another alternative is to have lights embedded into the pavement and placed parallel to the edges of the crosswalk which illuminates the crosswalk and makes it more visible to motorists. There has been some reluctance by local maintaining agencies to implement these in the area because of the proximity to salt air and the ocean. He commented that Beach Street has a pedestrian crossing sign with pedestrian activated flashing LEDs in the border of a warning sign.

Ms. Gillespie asked if there was list of the costs for these alternatives. She would like to see a cost effectiveness study; if one that is more costly is better than a lower cost signal.

Ms. Nicoulin replied the TPO does not have the costs but she can provide the information to the committee.

Mr. Harris commented it would depend on the location as to how effective one of these alternatives would be.

D. Update on Regional Studies

Ms. Nicoulin stated the Regional Transit Study is led by the Central Florida MPO Alliance and FDOT and covers ten counties. Its purpose is to collect data on current and projected traffic demands as it relates to transit, identify gaps and opportunities in transit planning and to create a consensus on regional priorities in the area with specific suggestions on which projects to invest money on. The planned completion date is May 2018. A presentation will be given then.

Ms. Nicoulin stated the Regional Truck Stop Study is also being conducted by FDOT and covers the same ten counties. It was delayed due to the difficulty in engaging the trucking industry and getting the information of what they want and need in terms of truck parking. This particular study does not involve anything with the relocation of the Longwood Truck Stop in Seminole County but is intended to identify the demand for truck parking, the current capacity, where there are gaps and how to address them. Drivers are required by law to pull over and in most cases, there is not as a place to pull over on demand at every interchange. This study is to identify their needs and how to accommodate those by law. The study is currently underway and should be completed within six months.

Ms. Nicoulin stated the third regional study is the Central Florida Visitor's Study; it is also being conducted by FDOT and covers the ten counties. It is aimed at documenting visitor travel behaviors in the region. The MPOs involved have asked that they look at not just the visitors but the tourism industry; the people that work in the tourism industry and how they get to their place of employment and what impacts they have on transportation. She does not have a timeframe for the completion date; it was started last year.

E. FDOT Report

Ms. Wyche stated the report was provided in the agenda and the I-4 lighting installation projects are all on schedule and scheduled to be completed from October 2018 to April 2019.

F. Volusia and Flagler County Construction Reports

Ms. Winsett stated the Volusia County Construction Report was provided in the agenda on page 48. There was a question last month on what is considered “Near Construction” and the answer is two to three months.

The Flagler County Report was provided in the agenda.

VI. Staff Comments

→ **Update on Call for Projects**

Ms. Nicoulin stated the Call for Projects is currently open and will close April 2, 2018. The TPO has received some draft applications to review to check for completeness. Once the Call for Projects closes, the TIP Subcommittee will meet to review and rank the applications.

→ **Update on CFRPM-7 S/E Data Development**

Ms. Nicoulin stated FDOT has been updating their regional planning model and will be working with the TPO to develop socioeconomic (SE) data which is the data that goes into the model to determine the volumes on the roadway. This particular model is used when the TPO develops its Long Range Transportation Plan (LRTP); the TPO will coordinate with the individual cities on the SE data they want to see in the model that represents future development for the area.

→ **Update on Roundtable of Volusia County Elected Officials**

Ms. Nicoulin stated the Roundtable of Volusia County Elected Officials met on March 12, 2018 and all cities but one have adopted an ordinance or a resolution regarding the proposed half-cent sales tax. The next step is for the county to take action on this item.

→ **Update on the 2018 R2CTPO Annual Planning Retreat – March 23, 2018**

Ms. Nicoulin announced this Friday, March 23, 2018, the TPO is having the Annual Planning Retreat and the focus is on autonomous vehicles. There will be autonomous and connected vehicles on display. The retreat will be at the Brannon Center in New Smyrna Beach and begins at 8:30 for registration and breakfast; the retreat starts at nine. She asked that anyone that wishes to come to please RSVP.

VII. CAC Member Comments

There were no member comments.

VIII. Information Items

- CAC & TCC Attendance Records
- February 28, 2018 River to Sea TPO Board Meeting Summary
- February TPO Outreach and Events
- Who’s Who in Transportation Information Sheet

IX. Adjournment

There being no further business, the CAC meeting adjourned at 2:42 p.m.

**Ms. JANETTE DEYETTE, CHAIRPERSON
CITIZENS' ADVISORY COMMITTEE (CAC)**

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 the minutes of the March 20, 2018 regular meeting of the Citizens' Advisory Committee (CAC), approved and duly signed this 17th day of April 2018.

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

**Technical Coordinating Committee (TCC)
Meeting Minutes
March 20, 2018**

TCC Members Present:

Fred Griffith
Kok Wan Mah
Laura Dodd
Mike Holmes
Ron Paradise
Darren Lear
Brian Walker
Jason Lawrence
Becky Mendez, Vice Chairperson
Shawn Finley
Jose Papa, Chairperson
Mark Karet
Jake Baker
Tim Burman
John Dillard
Melissa Winsett
Eric Kozielski
Vickie Wyche (non-voting advisor)

TCC Members Absent:

Arlene Smith
Stewart Cruz
Larry Newsom
Faith Alkhatib
Amye King (excused)
Larry LaHue (excused)
Heather Blanck (excused)

Others Present:

Debbie Stewart, Recording Secretary
Pamela Blankenship
Lois Bollenback
Colleen Nicoulin
Stephan Harris
Aarti Sharma
Vince Wang
Rich Walton
Mike Ziarnek
Heather Grubert
Roger C. Schmitt
Lara Bouck
Laura Turner
Amit Singh
John Scarlatos
Kristin Caruso

Representing:

Bunnell
Daytona Beach
DeBary Alternate
DeLand
Deltona
Edgewater
Holly Hill
Lake Helen
Orange City
Ormond Beach
Palm Coast
Pierson
Ponce Inlet
Port Orange
South Daytona
V.C. Traffic Engineering
Volusia County School District
FDOT District 5

Representing:

Daytona Beach Int'l Airport
Daytona Beach Shores
Flagler Beach
F.C. Traffic Engineering
New Smyrna Beach
V.C. Emergency Management
Votran

Representing:

TPO Staff
TPO Staff
TPO Staff
TPO Staff
TPO Staff
TPO Staff
TPO Staff
Daytona Beach Alternate
FDOT
FDOT
Florida Concrete & Products Assoc.
H.W. Lochner
Laura Turner Planning Services
Scalar Consulting Group
Scalar Consulting Group
Scalar Consulting Group

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

Chairperson Papa called the meeting of the River to Sea Transportation Planning Organization (TPO) Technical Coordinating Committee (TCC) to order at 3:00 p.m. The roll was called and it was determined that a quorum was present.

II. **Introduction of New CAC Members (CAC Only)**

III. **Press/Citizen Comments**

There were no public comments.

IV. **Action Items**

A. **Review and Approval of February 20, 2018 TCC Meeting Minutes**

MOTION: A motion was made by Mr. Lear to approve the February 20, 2018 TCC meeting minutes. The motion was seconded by Mr. Dillard and carried unanimously.

B. **Appointment of 2018 Transportation Improvement Program (TIP) Subcommittee Members**

Chairperson Papa stated each year, the TIP Subcommittee is convened to evaluate priority project applications and to review the Call for Projects process and selection criteria used to develop the TPO's Project Priority Lists. TPO staff is seeking volunteers from each advisory committee to participate in this subcommittee.

Ms. Nicoulin referred to page 17 of the agenda and stated there are currently four TCC members on the TIP Subcommittee. The TPO is looking for reappointment and to take any additional volunteers.

Ms. Winsett stated Mr. Jon Cheney would remain on the TIP Subcommittee.

Ms. Dodd stated she would also remain on the subcommittee.

Mr. Walker asked what the time commitment is for the TIP Subcommittee.

Ms. Nicoulin replied once the Call for Projects has ended, the subcommittee will meet at least two times to review the applications and score and rank them. The meetings are tentatively scheduled for the week of April 16, 2018 and the following week. They will meet again in the fall to review the Call for Projects process and applications. Meetings are typically three to four hours; it depends on how many applications are received and how long it takes to review them.

MOTION: A motion was made by Mr. Lear to reappoint Mr. Ron Paradise, Mr. Jon Cheney, Mr. Jose Papa and Ms. Laura Dodd to the Transportation Improvement Program (TIP) Subcommittee. The motion was seconded by Ms. Dodd and carried unanimously.

C. **Review and Recommend Approval of Resolution 2018-## Adopting the Bicycle and Pedestrian Master Plan Report**

Mr. Harris stated a link to final draft of the Bicycle and Pedestrian Master Plan Report was provided in the agenda on page 18. It is similar to the draft from last month with minor improvements to the maps used in the bicycle and pedestrian crash data. He is happy to address any comments or questions regarding the final draft report.

Ms. Mendez stated there was an audible pedestrian signal (APS) recently installed at the intersection of Enterprise Road and Saxon Boulevard and since those are both county roads, she asked if the table could be updated to include them.

Ms. Winsett replied she would find out and let the TPO know.

Ms. Mendez referred to page 98 of the plan that explains the shape and length of existing facilities and stated she confirmed with Mr. Harris that it refers to linear feet.

MOTION: *A motion was made by Mr. Lear to recommend approval of Resolution 2018-## adopting the Bicycle and Pedestrian Master Plan Report. The motion was seconded by Mr. Holmes and carried unanimously.*

V. Presentation Items

A. Presentation and Discussion of the “Tell the TPO” Survey Campaign

(Handout)

Ms. Blankenship stated the “Tell the TPO” Survey is a bi-annual survey conducted to better understand the preferences and priorities of the TPO planning area. The survey provides a broad understanding of the public’s awareness, attitudes and perceptions about transportation in the TPO region. It also increases awareness of the TPO and what we do. She introduced Ms. Lara Bouck, H.W. Lochner, Project Manager for the “Tell the TPO” survey to give the presentation.

Ms. Bouck gave a PowerPoint presentation and stated there are several goals for the survey; the primary goal is to obtain information on public opinion of transportation issues and the desires for mobility options in the TPO region. She reviewed the secondary goals and stated the target audience is everyone that lives, works or visits the TPO region; the goal is to receive 2,000 responses. She reviewed the marketing plan and the ways the survey will be accessed. There will be a prize drawing for the public responses, a competition between the committees of the TPO with a trophy for the winning committee and a trophy awarded to the most successful TPO Board member. The prior survey results are available on the TPO website. She outlined the outreach efforts that will be undertaken. Her team has been working with TPO staff and various stakeholders to review the survey instrument and suggest questions to change or new questions to add. She reviewed the new questions being considered; not all of them can be used. She encouraged the members to make any suggestions for questions or topics.

Chairperson Papa asked what the deadline is for comments.

Ms. Bouck replied by March 30, 2018, next Friday; send comments to either herself or Ms. Blankenship.

Mr. Holmes asked when the survey would go out.

Ms. Bouck replied presentations are being given this month to the committees and the board; a revised version will be presented for approval next month and the target date for going live with the survey is April 30, 2018. It will be live through the end of June; they will compile and analyze the data in July and a summary will be presented in August.

Mr. Griffith asked what the plan is for the results of the survey.

Ms. Bouck replied only two questions will be different from the prior survey; they will be used to help the TPO see if they are on the right track and if where they are spending money is where people’s desires for mobility options are.

Chairperson Papa reminded the members to have any comments in by next Friday.

B. Status Report of the St. Johns River to Sea Loop Trail PD&E Study

Ms. Nicoulin stated FDOT is conducting the St. Johns River to Sea Loop Trail PD&E Study and she introduced FDOT’s Project Manager, Ms. Heather Grubert and their consultant, Mr. John Scarlatos to give the presentation.

Mr. John Scarlatos, Scalar Consulting Group, gave a PowerPoint presentation of the St. Johns River to Sea Loop Trail PD&E Study from SR 44 at Lytle Avenue to Beville Road. He provided background information on

the study, reviewed the study objectives, the purpose of the trail and the schedule. A link to this presentation was provided on page 33 of the agenda. He explained that PD&E stands for Project Development and Environment study and it is conducted to meet the requirements of the National Environmental Policy Act (NEPA) and to determine the social, natural, cultural and physical impacts. The project is funded with SUN Trail money; SUN Trail provides for the PD&E study, design and construction but not operations and maintenance. FDOT is not obligated to provide operations and maintenance. This study is part of a regional trail and will close a gap in the loop. He reviewed the project location and showed the map of the entire loop including the study area. The trail is approximately 12 miles in length in Volusia County from SR 44/Lytle Avenue to Beville Road along US 1. He reviewed the challenges of the project and stated right-of-way is the biggest one. They cannot go through eminent domain and forcefully take any property. He reviewed the components of the study; engineering, environmental and public involvement. He explained the corridor alternatives and stated the New Smyrna Beach corridor alternative includes a possible one-way street conversion along Riverside Drive. There will be a public meeting held for the residents to provide input. He reviewed the stakeholders involved and the coordination of the multiple government agencies. There were two kick-off meetings held to gather public input; one north and one south. He explained the study schedule and stated currently, it is in the Environmental and Engineering Analysis phase, and is expected to be completed by June 2019. Design is funded for 2019; right-of-way and construction are currently not funded.

C. Presentation and Discussion of Rectangular Rapid Flashing Beacon (RRFB) Alternatives

(Handout)

Ms. Nicoulin stated in December, the Federal Highway Administration (FHWA) rescinded their interim approval of rectangular rapid flashing beacons (RRFBs) and the BPAC asked TPO staff to identify alternatives to them. She referred to the handout that lists fourteen alternatives to the RRFBs as well as links for more information about each one. The BPAC and CAC asked TPO staff to provide general costs associated with these alternatives; staff will do the research and provide that information as well.

D. Update on Regional Studies

Ms. Nicoulin stated there are three ongoing regional studies that are in various degrees of progress. She stated the Regional Transit Study is led by the Central Florida MPO Alliance and FDOT and covers ten counties in Central Florida. Its purpose is to collect data on current and projected traffic demands as it relates to transit, identify gaps and opportunities in transit planning and to create a consensus on regional priorities area with specific suggestions on which projects to invest money on. The planned completion date is May 2018. A presentation will be given then.

Ms. Nicoulin stated the Regional Truck Stop Study is also being conducted by FDOT and covers the same ten counties. It was delayed due to the difficulty in engaging the trucking industry and getting information about what they want and need in terms of truck parking. This particular study does not involve the relocation of the Longwood Truck Stop in Seminole County but is intended to identify the demand for truck parking, the current capacity, where there are gaps and how to address them. Drivers are required by law to pull over and in most cases, there is not as a place to pull over on demand at every interchange. The purpose is to identify their needs and how to accommodate those by law. The study is currently underway and should be completed within six months.

Ms. Nicoulin stated the third regional study is the Central Florida Visitor's Study; it is also being conducted by FDOT and covers the ten counties. It is aimed at documenting visitor travel behaviors in the region. The MPOs involved have asked that they look at not just the visitors but the tourism industry; the people that work in the tourism industry, how they get to their place of employment and what impacts they have on transportation. She does not have a timeframe for the completion date; it was started last year.

Ms. Dodd asked when the Central Florida Visitor's Study is expected to be completed.

Ms. Nicoulin replied she is not sure; it started last year. She will pass further information on once she receives it.

E. FDOT Report

Ms. Wyche stated the report was provided in the agenda and the I-4 lighting installation projects are all on schedule and scheduled to be completed from October 2018 to April 2019.

Mr. Ziarnek, FDOT District 5 Bicycle/Pedestrian Coordinator, stated that he is trying to find out what the level of awareness is, especially in the smaller communities, regarding bicycle and pedestrian infrastructure and how FDOT can include that for them. He wants to know if any of the cities conduct bicycle or pedestrian counts, have business improvement districts and what bicycle or pedestrian needs they may have. He will be reaching out to the communities along the Intracoastal where the bridges are; some of these bridges are fifty years old and often they cannot retrofit them for bicycle and pedestrian facilities. He will be completing an inventory to see what facilities are available for bicyclists and pedestrians. He also asked if the cities have any wheels on sidewalks prohibitions other than wheelchairs. He stated Ms. Nicoulin has his business cards and members can contact him directly.

F. Volusia and Flagler County Construction Reports

Ms. Winsett stated the Volusia County Construction Report was provided in the agenda on page 48. There was a question last month on what is considered "Near Construction" and the answer is two to three months.

VI. Staff Comments

→ **Update on Call for Projects**

Ms. Nicoulin stated the Call for Projects is currently open and will close Monday, April 2, 2018 at 12:00 p.m. She reminded the committee that there was an update to the FDOT application that is attached to the project implementation applications. The updated version is on the TPO website.

→ **Update on CFRPM-7 S/E Data Development**

Ms. Nicoulin stated FDOT is in the process of updating the 2045 Central Florida Regional Planning Model (CFRPM). The TPO uses this model when building the Long Range Transportation Plan (LRTP) so FDOT is updating it in advance of that. An update to the socio-economic (S/E) data is being done as part of updating the model. She will be reaching out to the individual city representatives to coordinate with them on the S/E data specific to their municipality.

→ **Update on Roundtable of Volusia County Elected Officials**

Ms. Nicoulin stated the Roundtable of Volusia County Elected Officials met on March 12, 2018 and all cities but one have adopted an interlocal agreement regarding the proposed half-cent sales tax. The next step is for Volusia County to take action on this item.

→ **Update on the 2018 R2CTPO Annual Planning Retreat – March 23, 2018**

Ms. Nicoulin announced this Friday, March 23, 2018, the TPO is having its Annual Planning Retreat and the focus is on autonomous vehicles. There will be autonomous and connected vehicles on display. The retreat will be at the Brannon Center in New Smyrna Beach and registration begins at 8:30 am; the retreat starts at 9:00 am. She asked that anyone that wishes to come to please RSVP.

VII. TCC Member Comments

Mr. Griffith stated all of the paving in Bunnell and Flagler Beach has been completed for the year.

Mr. Paradise volunteered for the TIP Subcommittee.

Ms. Nicoulin replied he had been volunteered and appointed.

VIII. Information Items

- CAC & TCC Attendance Records
- February 28, 2018 River to Sea TPO Board Meeting Summary
- February TPO Outreach and Events
- Who's Who in Transportation Information Sheet

IX. Adjournment

There being no further business, the TCC meeting adjourned at 3:54 p.m.

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

**MR. JOSE PAPA, CHAIRPERSON
TECHNICAL COORDINATING COMMITTEE (TCC)**

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 the minutes of the March 20, 2018 regular meeting of the Technical Coordinating Committee (TCC), approved and duly signed this 17th day of April 2018.

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

**MEETING SUMMARY
CAC & TCC
APRIL 17, 2018**

IV. ACTION ITEMS

B. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2018-## AMENDING THE FY 2017/18 TO 2021/22 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Background Information:

The proposed amendments to the FY 2017/2018 to 2021/2022 TIP revises funding for one (1) existing project and programs funding for two (2) new projects as follows:

- Revises funding to add \$4,922,940 to the Construction (CST/CEI) phase for the I-95 from Volusia County Line to North of Palm Coast Parkway Resurfacing Project (FM # 438003-1)
- Programs funding in the amount of \$1,030,000 for the Design (PE) phase for the I-95 from South of Dunn Avenue to Airport Road Resurfacing Porject (FM # 441133-1)
- Programs funding in the amount of \$110,000 for the Design (PE) phase for the East Volusia Traffic Management Center Relocation Project (FM# 442510-1)

The proposed amendments are more fully described in the enclosed Resolution 2018-## and Attachment "A".

ACTION REQUESTED:

MOTION TO RECOMMEND APPROVAL OF RESOLUTION 2018-## AMENDING THE FY 2017/18 TO 2021/22 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2018-##

**RESOLUTION OF THE RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION
AMENDING THE FY 2017/18 TO FY 2021/22
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 2017/18 to FY 2021/22 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 25th day of April 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 April 25, 2018.

ATTEST:

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

4380031

I-95 From Volusia County Line to North of Palm Coast Parkway

SIS



Work Summary: RESURFACING
From: Volusia County Line
To: North of Palm Coast Parkway
Lead Agency: Florida Department of Transportation
Length: 11.553 miles

Phase	Fund Source	2017/18	2018/19	2019/20	2020/21	2021/22	Total
CEI	ACNP	0	<u>1,130,000</u> 1,193,280	0	0	0	<u>1,130,000</u> 1,193,280
CEI	DIH	0	<u>950,000</u> 1,003,200	0	0	0	<u>950,000</u> 1,003,200
<u>CEI</u>	<u>DS</u>	<u>0</u>	<u>335,922</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>335,922</u>
CST	ACNP	0	<u>29,916,660</u> 25,213,162	0	0	0	<u>29,916,660</u> 25,213,162
Total		0	<u>32,332,582</u> 27,409,642	0	0	0	<u>32,332,582</u> 27,409,602

Prior Cost < 2017/18: 1,523,182

Future Cost > 2021/22: 0

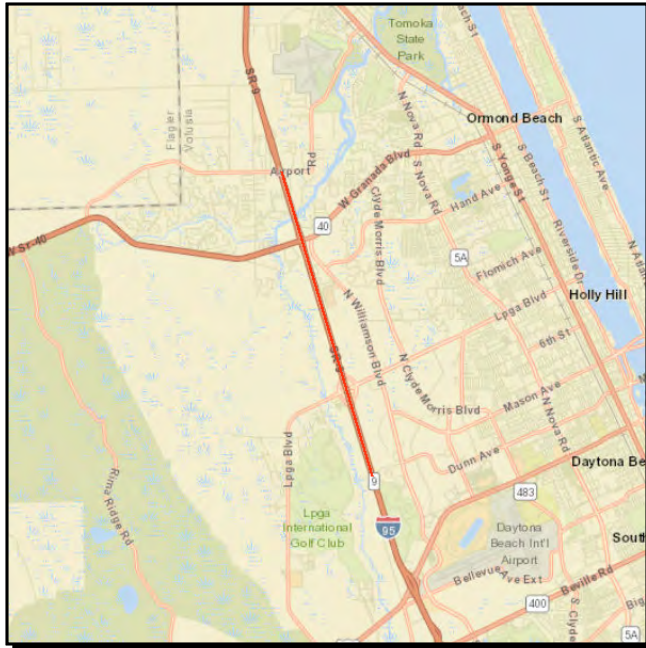
Total Project Cost: 33,855,764 ~~28,932,824~~

Project Description: Resurface SR 9/I-95 from the Volusia County Line to north of Palm Coast Parkway. Project Length: 11.29 miles. The TPO's support for transportation maintenance projects it expressed on page 63 of the R2CTPO 2040 Long Range Transportation Plan.

4411331

I-95/SR 9 from South of Dunn Avenue to Airport Road

Non-SIS



Work Summary: RESURFACING **From:** South of Dunn Avenue

To: Airport Road

Lead Agency: Florida Department of Transportation

Phase	Fund Source	2017/18	2018/19	2019/20	2020/21	2021/22	Total
PE	DDR	0	200,000	0	0	0	200,000
PE	ACNP	0	830,000	0	0	0	830,000
Total		0	1,030,000	0	0	0	1,030,000

Prior Cost < 2017/18: 0

Future Cost > 2021/22: 0

Total Project Cost: 1,030,000

Project Description: Resurface I-95/SR 9 from S. of Dunn Avenue to Airport Road. (Reference 2040 Long Range Transportation Plan, page 63.)

4425101

East Volusia Traffic Management Center Relocation

Non-SIS

No Map
Available

Work Summary: TRAFFIC MANAGEMENT From:
CENTERS

To: State Road 44, West of State Road
415

Lead Agency: Volusia County

Phase	Fund Source	2017/18	2018/19	2019/20	2020/21	2021/22	Total
PE	SU	0	5,000	0	0	0	5,000
PE	LF	0	105,000	0	0	0	105,000
Total		0	110,000	0	0	0	110,000

Prior Cost < 2017/18: 0

Future Cost > 2021/22: 0

Total Project Cost: 110,000

Project Description: Relocation of the Volusia County Traffic Management to State Road 44, west of State Road 415. (Reference page 63 and table 31 on page 72 of the 2040 Long Range Transportation Plan.)

MEETING SUMMARY

CAC & TCC

APRIL 17, 2018

IV. ACTION ITEMS

C. REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2018-## ADOPTING THE FY 2018/19 AND 2019/20 UNIFIED PLANNING WORK PROGRAM (UPWP)

Background Information:

Every two years, the TPO develops and adopts a Unified Planning Work Program (UPWP). This document describes the role of the TPO, the focus of its planning efforts, and any special studies that are to be undertaken in that two-year span. The UPWP identifies the types and amounts of planning funds the TPO expects to receive from the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA) and other sources, and prescribes how those funds will be spent.

The UPWP was developed by TPO staff with input from the UPWP Subcommittee. In January, it was presented to the TPO advisory committees and board for review and comment. It was then submitted to FDOT for review and comment. The document was revised in response to all comments received and is being presented for review and approval. Due to its relatively large size we are providing the document for viewing and downloading from the TPO's website at:

<https://www.r2ctpo.org/2018/04/04/draft-fy-2018-19-and-2019-20-upwp/>

TPO staff will highlight the recent updates that have been incorporated into the final draft.

ACTION REQUESTED:

MOTION TO RECOMMEND APPROVAL OF RESOLUTION 2018-## ADOPTING THE FY 2018/19 AND 2019/20 UNIFIED PLANNING WORK PROGRAM (UPWP)

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2018-##

**RESOLUTION OF THE RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION ADOPTING THE
FY 2018/19 AND 2019/20 UNIFIED PLANNING WORK PROGRAM (UPWP)**

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, 23 C.F.R. 450.104 provides that the River to Sea TPO shall bi-annually develop and endorse the Unified Planning Work Program (UPWP).

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

1. The tasks in the FY 2018/19 and 2019/20 UPWP are consistent with the area transportation plan; and
2. The FY 2018/19 and 2019/20 UPWP is hereby endorsed and adopted;
3. The Chairperson of the River to Sea TPO (or her designee) is hereby authorized and directed to submit the FY 2018/19 and 2019/20 UPWP 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. Federal Aviation Administration (FAA).

DONE AND RESOLVED at the regularly convened meeting of the River to Sea TPO held on the 25th day of April 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 April 25, 2018.

ATTEST:

DEBBIE STEWART, RECORDING SECRETARY
RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

MEETING SUMMARY

CAC & TCC

APRIL 17, 2018

IV. ACTION ITEMS

D. REVIEW AND RECOMMEND APPROVAL OF THE 2018 RIVER TO SEA TPO'S "TELL THE TPO" SURVEY AND SURVEY KICK-OFF

Background Information:

The River to Sea TPO's consultant, H.W. Lochner, has been working with TPO staff, stakeholders and committees to develop the 2018 Tell the TPO Survey Campaign. They will be presenting the launch of the survey. The TPO Board received a presentation of the overview of the work effort and the draft survey instrument at their March meeting.

The specific goals of the survey include the following:

- Ascertain the transportation wants, needs, problems, preferences and suggestions from residents, business community, elected officials, and other stakeholders
- Provide data that the TPO can analyze in order to ascertain trends
- Act as an educational tool and expose each person who takes it to the benefits, mission and programs of the TPO
- Add to the TPO database of interested residents, businesses, and visitors

To ensure the highest survey response rate, the survey will primarily be administered via the www.TelltheTPO.com website but hard copies will also be available in the form of a self-mailer paper copy (both in Spanish and English). Additionally, each local agency will be provided with a link to share on their website to help reach a broader audience.

The Tell the TPO Survey Campaign will kick off on April 30, 2018 and run through June 30, 2018. Each committee member will be invited to participate as an ambassador to the campaign. A special "committee" link will be provided to each committee member for electronic dissemination of the survey; this link will provide the ability to track how many surveys each committee's link attracts. A special recognition trophy will be presented at the end of the campaign to the committee that generates the most survey responses.

The draft Tell the TPO Survey questions have been provided with the agenda based on feedback received from the advisory committees and TPO Board for your review and recommendation of approval.

ACTION REQUESTED:

MOTION TO RECOMMEND APPROVAL OF THE 2018 RIVER TO SEA TPO'S "TELL THE TPO" SURVEY QUESTIONS



TELL THE TPO

Community Transportation Survey

TPO BOARD/COMMITTEE BRIEFINGS

APRIL 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 Launches April 30th!



Marketing Plan: Maximum Exposure

- Target everyone who *lives*, *works*, or *visits* the TPO region
- Maximize public response
 - Concise survey – the longer the survey the less the response
 - Available online – www.tellthetpo.com & in hard copy
- Ambassador Challenge
- Partnerships with agencies, organizations, and the business community
 - Email and social media blasts; links on websites; hard copy collection centers
- Attendance at local/regional events
- Fun and Excitement: Prize drawing for respondents – two night stay for two!

>> TARGET GOAL : 2,000 Responses <<

Get the Word Out: Tools

- Hard copy surveys in English/Spanish
- Flyers
- Rack Cards
- Website: www.TelltheTPO.com
 - Text and graphics for social media blasts
 - Text for email blasts
- Individual links for Ambassador Challenge
- QR Codes

TELL THE TPO WHAT YOU THINK ABOUT TRANSPORTATION IN VOLUSIA COUNTY AND FLAGLER COUNTY!

TELL THE TPO! HERE'S HOW:

INDIVIDUALS
Please complete the TPO survey for a chance to win a 2 night hotel stay for 2!
Then share the link on your social media outlets and with friends:
www.TelltheTPO.com

EMPLOYERS
Email the www.TelltheTPO.com link to your employees, clients and contact lists and encourage them to participate.

GOVERNMENT AGENCIES
Put the www.TelltheTPO.com link on your website and social media outlets, in newsletters, and/or in emails to your employees and stakeholders.

ORGANIZATIONS
Announce the survey in your next newsletter or email blast, and post the www.TelltheTPO.com link on your website and social media outlets.

RESPOND TO WIN!
All responses received by June 30, 2018 will be entered into a drawing for a chance to win a 2 night hotel stay for 2!

ABOUT THE RIVER TO SEA TPO
The River to Sea Transportation Planning Organization (TPO) is an independent public service organization responsible for carrying out the urban transportation planning and programming of all federal and state transportation funds for the Metropolitan Planning Area (MPA), which includes all of Volusia County and portions of Flagler County, including Beverly Beach and Flagler Beach as well as portions of the cities of Palm Coast and Bunnell.

2018 SURVEY LIVE: APRIL 30TH TO JUNE 30TH
Learn more at www.TelltheTPO.com
[#telltthetpo2018](https://twitter.com/telltthetpo2018)

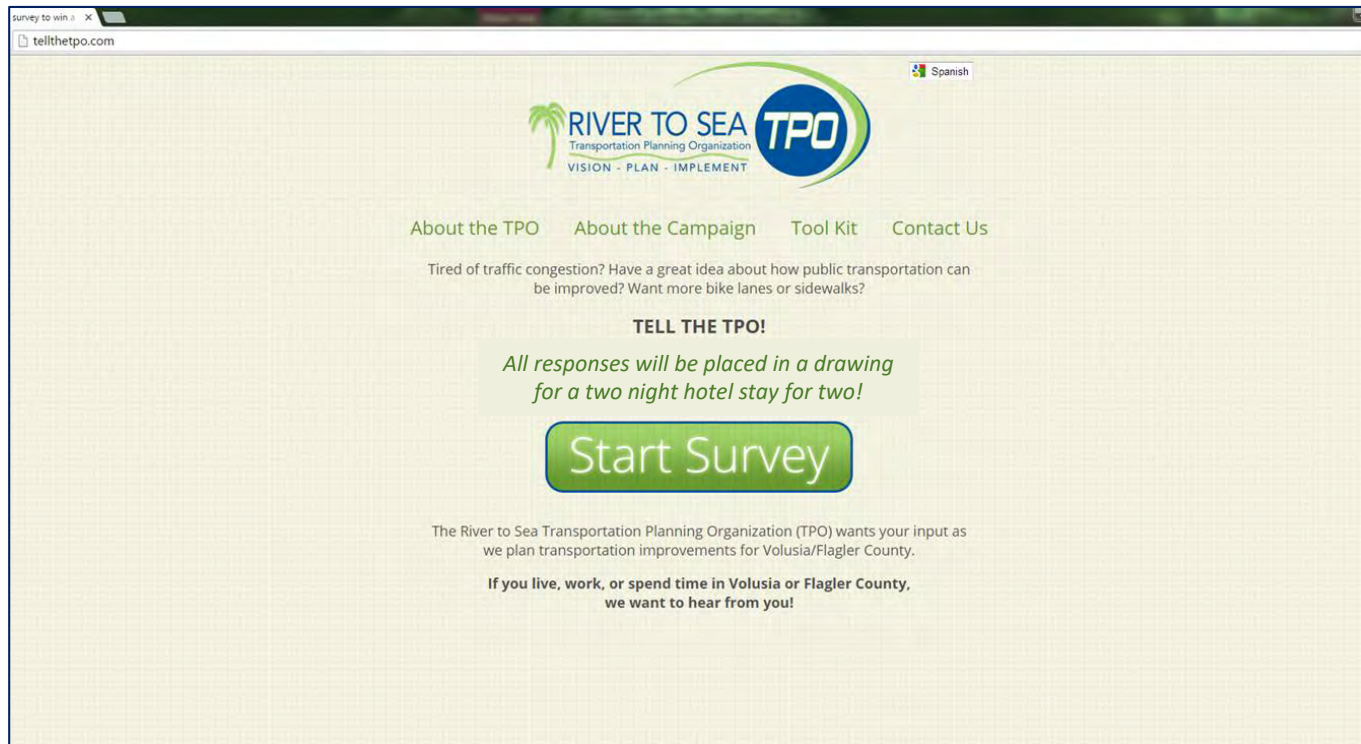
Ambassador Challenge

- Each Board and committee member is an ambassador
 - Each Board member will be given a unique survey link to measure success.
 - Each Committee will be given a unique survey link
- Links for Board members and Committees will be emailed out on Friday, April 27th, 2018
- We encourage each of you to your contact lists, stakeholder, e-newsletters
- Coveted trophies will be awarded to the most successful:
 - Board member
 - Committee

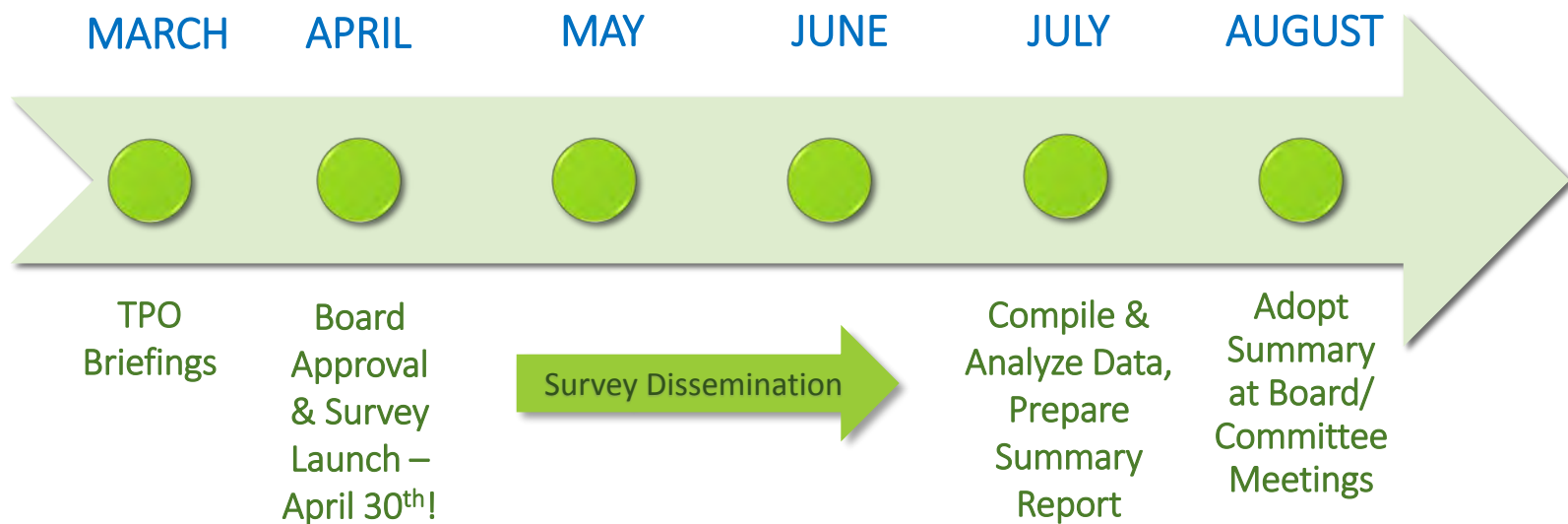
Next Steps

- The Survey Team is:
 - Coordinating with One Voice Volusia to make a presentation to their network of over 105 agencies and community organizations.
 - Targeting two additional community events to have an in-person presence to encourage participation.
 - Connecting with project partners to point them to the Tool Kit available on the survey website, which includes:
 - Suggested email and social media blast language and graphics
 - Printable surveys
 - Outreach flyer, and more.
 - Approaching major employers and schools to help disseminate and publicize the survey
 - Mobilizing for the [April 30th survey launch date](#).

Survey Website



Survey Schedule



Any Questions?



www.tellthetpo.com

TPO Project Manager: Pamela Blankenship

pblankenship@r2ctpo.org

Consultant Project Manager: Lara Bouck

lbouck@hwlochner.com





2018 Tell the TPO Survey

FINAL DRAFT 04-03-18

The River to Sea Transportation Planning Organization (TPO) wants your input as we plan transportation improvements for Volusia County and parts of Flagler County. Please complete our survey online at www.TelltheTPO.com or mail back this copy. All responses received by June 30, 2018 will be eligible to enter a drawing for a free 2 night hotel getaway for 2!

1a. Home Zip _____ Work/School Zip (If applicable): _____

1b. Have you taken a River to Sea TPO "Tell the TPO" survey in the past? (Check one)

____ Yes ____ No

2. What forms of transportation do you use regularly (3 or more times per week)? Select any that apply.

- Walk
- Bicycle
- Drive Alone
- Carpool
- Bus
- SunRail

3. If you do not walk or bicycle now, what prevents you from doing so? Select any that apply.

- Lack of pedestrian or bicycle facilities (sidewalks, marked crosswalks, paths, bike lanes, etc.)
- Safety concerns (too much traffic, roads too busy, vehicles too fast, sidewalks too close to roadway, etc.)
- Distance too far or takes too long to walk or bicycle
- I am not comfortable with my bicycle riding/walking ability
- I won't walk or ride a bicycle, even if pedestrian and bicycle facilities are improved
- I can't walk or bicycle, no matter how sidewalks or bicycle lanes are improved

4. If you do not regularly use public transit buses, what improvements might make them a more attractive option for you? Select any that apply.

- More convenient bus stops or route locations
- Faster or more direct bus service
- More frequent and/or expanded hours for bus service
- Cleaner buses
- Lower fares
- I do not know enough about public bus service to make that choice
- I will not ride the bus, even with public transportation improvements

5. If you do not regularly use SunRail, what improvements might make it a more attractive option for you? Select any that apply.

- More frequent and/or expanded hours for SunRail service
- Expand SunRail service to DeLand station
- Expand SunRail service beyond DeLand station
- Lower fares
- More parking at stations
- More effective feeder bus service
- I will not ride SunRail, even with public transportation improvements

6. What is your overall level of satisfaction with the current transportation facilities in Volusia/Flagler Counties? *(Select one answer for each category. If you select 'dissatisfied' for any category, please provide specifics in the text block available at the end of this survey.)*

Rank 1-5: * Satisfied * Somewhat satisfied * Neutral * Somewhat dissatisfied * Dissatisfied

- Sidewalks and crosswalks *(availability, maintenance conditions, etc.)*
- Trail system *(availability, trail conditions, logical connections, etc.)*
- Bicycle lanes *(accessibility, bicycle lane markings, pavement conditions, etc.)*
- Public transit service *(accessibility, routes connecting destinations, etc.)*
- Public transit shelters/benches *(availability, conditions)*
- Local neighborhood streets *(traffic, maintenance conditions, etc.)*
- Major streets *(traffic, maintenance conditions, etc.)*
- Interstate highways *(traffic, maintenance conditions, etc.)*

7. As we prioritize spending on transportation projects, do you think we should invest more, the same or less than we are currently spending on the following?

Rank 1-5: * Much more * More * The Same * Less * Much less

- Improving roadway operations *(better traffic signal timings, adding or extending turn lanes, etc.)*
- Implementing technology to improve safety and efficiency of traffic operations *(e.g. coordinated traffic signals, real-time mobile traffic information, etc.)*
- Building new roadways
- Adding lanes to existing roadways
- Traffic calming measures *(e.g. roundabouts, speed bumps, etc.)*
- Improving/adding bus service
- Improving/adding SunRail service
- Encouraging carpooling *(e.g. communication and/or incentives)*
- Adding/improving multi-use trails
- Improving walking conditions *(e.g. sidewalks and crosswalks, pedestrian signals, etc.)*
- Improving bicycling conditions *(bike lanes, wayfinding, paved shoulders, etc.)*

8. New transportation technology is important for which of the following *(Score each option from 1 to 5, with 1 being the most important and 5 being not important. Scores may be used multiple times.)*

Score 1-5: * Most important * Somewhat Important * Neutral * Less Important * Least Important

- Improving the flow of vehicle traffic
- Helping transit vehicles arrive on time or have shorter travel times

- Reducing freight shipping travel times
- Providing real-time information to drivers/transit riders/pedestrians (e.g. via mobile devices, variable message signs on roadways, etc.)
- Decreasing roadway crashes
- Providing safer intersections for pedestrians (e.g. talking or countdown signals, etc.)

9. Transportation needs exceed the amount of funding available. Which types of transportation projects are your highest priorities to fund with our limited resources? (Please select your top three choices)

- Improve transit service (bus and SunRail)
- Widen existing roadways
- Construct new bike lanes and trails/greenways
- Construct new sidewalks/improve connectivity
- Install bicycle/pedestrian-oriented signals
- Improve roadway safety
- Replace/upgrade aging facilities
- Street appearance (lighting and landscaping)
- Build new streets and roadways
- Implement new transportation technologies
- Other: _____

10. Crash data shows the following intersections as the 10 highest crash locations in the planning area. These areas also have increasing congestion. Which of these intersections cause the greatest concern for you as a driver, bicyclist or pedestrian? (Please select your top three choices)

1. Dunlawton Ave @ South Nova Road
2. Granada Boulevard @ North Yonge Street (US 1)
3. International Speedway Boulevard @ Ridgewood Ave
4. International Speedway Boulevard @ Williamson Road
5. South Clyde Morris Boulevard @ Dunlawton Ave
6. Granada Boulevard @ Nova Road
7. Cypress Point Parkway @ Palm Coast Parkway/Boulder Rock Drive
8. Granada Boulevard @ Williamson Road
9. International Speedway Boulevard @ Clyde Morris Boulevard
10. Palm Coast Parkway @ Old Kings Road

Optional Questions:

Please describe yourself (This information helps us know if we've reached all types of travelers within our area):

- a. Age: ___<16 ___16 to 25 ___26 to 40 ___41 to 65 ___>65
- b. Gender: ___Female ___Male
- c. Work Status: ___Employer ___Employee ___Student ___Retiree ___Other
- d. Race/Ethnicity: ___White ___Hispanic/Latino ___Black/African American ___Asian ___Other
- e. Annual Income (circle one):
 <\$25,000 \$25,000 to \$45,000 \$45,001 to \$100,000 \$100,001 to \$150,000 >\$150,000



If you want to be eligible to win a free 2 Night Getaway for 2, please provide your name, email address and phone number below. PUBLIC RECORDS NOTICE: *The River to Sea TPO is governed by the State of Florida public records law. Information we receive may be disclosed to any person making a public records request in accordance with Chapter 119 Florida Statutes. This information is for prize notification purposes only.*

Name _____ Email _____ Phone number _____

Please let us know if you would like additional information on: (Select all that apply*)

_____ River to Sea Transportation Planning Organization (*meetings, issues and events*)

_____ reThink Your Commute (*ridesharing, carpooling, park-and-ride services, etc.*)

_____ Votran (*bus schedules, updates, route changes, etc.*)

_____ Flagler County Public Transportation (*news, updates, etc.*)

_____ SunRail (*news, updates, schedule, etc.*)

_____ *No thank you*

** If you check any box other than the last one, your email address will be shared with the agency you indicated.*

As we plan transportation improvements in Volusia and Flagler Counties, do you have any additional concerns, suggestions, problems, and/or recommendations for us?

BLOCK OF SPACE FOR ANSWER

**MEETING SUMMARY
CAC & TCC
APRIL 17, 2018**

V. PRESENTATIONS, STATUS REPORTS AND DISCUSSION ITEMS

A. PRESENTATION AND DISCUSSION TO BUNDLE HOLLY HILL SIDEWALK PROJECTS ALONG CENTER AVENUE, FLOMICH STREET, AND 15TH STREET

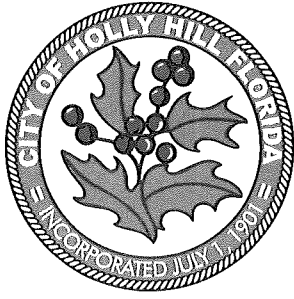
Background Information:

Representatives from the City of Holly Hill are scheduled to provide a presentation on bundling sidewalk projects along Center Avenue, Flomich Street and 15th Street.

TPO staff will provide background information relative to the City's request.

ACTION REQUESTED:

NO ACTION REQUIRED UNLESS OTHERWISE DIRECTED BY THE COMMITTEE



CITY OF HOLLY HILL

The City with a Heart

1065 Ridgewood Avenue ♥ Holly Hill, Florida 32117

www.hollyhillfl.org

**Building,
Zoning,
Licensing &
Inspections**

386-248-9442
Fax 386-248-9498

**City
Clerk**

386-248-9441
Fax 386-248-9448

**City
Manager**

386-248-9425
Fax 386-248-9448

**Community
Services**

386-248-9435
Fax 386-248-9448

**Economic
Development**

386-248-9444
Fax 386-248-9448

Finance

386-248-9427
Fax 386-248-9497

**Human
Resources**

386-248-9440
Fax 386-248-9448

**Information
Technology**

386-248-9459
Fax 386-248-9448

**Public
Works**

386-248-9463
Fax 386-248-9499

**Utility
Billing**

386-248-9432
Fax 386-248-9458

**Mayor & City
Commission**

386-248-9441
Fax 386-248-9448

March 29, 2018

Lois Bollenback, Executive Director

River to Sea TPO

2570 West International Speedway Boulevard, Suite 100

Daytona Beach FL 32114

Re: City of Holly Hill Sidewalk Project Funding

Dear Ms. Bollenback

The City of Holly Hill currently has 5 sidewalk projects on the Prioritized Project List. The projects and the current status of each are as follows:

Flomich Street:

Phase I – Nova to Decatur – **funded for design and in the work program for fiscal year 2018-2019**

Phase II – Decatur to Ridgewood – **Phase II is at feasibility study phase – Tier C**

Center Avenue:

Phase I – LPGA to Flomich - **Phase I is on Tier B**

Phase II – 3rd Street to LPGA - **Phase II is at feasibility study phase - Tier C**

15th Street: On Tier B

Nova to Center Avenue

The City has requested federal funding assistance with each project, however the City is not LAP certified. At this point, the City has two options available with regard to LAP certification. They are as follows:

1. Option A: The City can partner with Volusia County. The County has agreed to provide project management for the five sidewalk projects. Their letter of support and required conditions is attached. The City agrees with and accepts the terms and conditions outlined by the County including our commitment to pay the local match and any cost overruns for the bundled project, should we choose this option.
2. Option B: The City has recently hired two individuals who have previously completed LAP courses certifying the agencies they worked for and are willing and capable of completing the project specific LAP certification for this project as soon as possible. The individuals are as follows:
 - Jonathan McKinney – Director of Finance – John holds a Master of Business Administration degree and is a Certified Government Finance Officer. He has

24 years of progressive responsible experience and has served as an Assistant City Manager with the City of Edgewater as well as the Director of Finance for various agencies. He has experience and knowledge in areas including but not limited to; contracts negotiation and management, systems design and implementation and all-hazard planning.

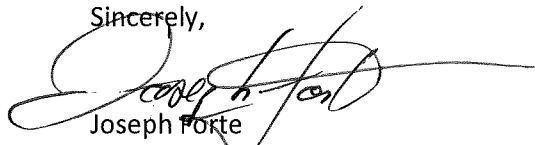
- Antoine Khoury – City Engineer and Public Works Director – Antoine holds a Bachelor of Science in Engineering and is a licensed Professional Engineer (PE). He has 30 years of experience as an engineer and served Seminole County for 22 years in positions ranging from Transportation Engineer, Deputy County Engineer, and Director of Public Works. He has extensive experience in areas including but not limited to; ROW settlements, street and drainage maintenance, traffic engineering and water quality maintenance. Antoine was instrumental in many of Seminole County's major road projects.

Currently, the five projects are separate LAP funding request. The City intends to have the individual projects designed as a bundled unit under one contract. For this reason, the City request that all projects be bundled and programmed for FDOT funding (for design) in the 2019-2020 fiscal year. The amount that the City would be asking for with regard to design for all sidewalks as a bundled unit would be \$235,000 broken down as follows:

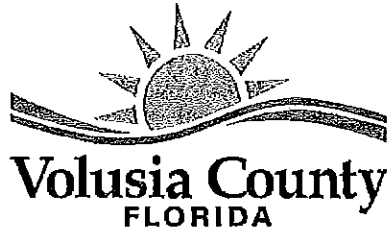
- Flomich Street - \$110,000
- Center Ave - \$100,000
- 15th Street - \$25,000

Please call me at 386-248-9425 if you need any further details or have any questions.

Sincerely,



Joseph Forte
City Manager
Holly Hill



**Volusia County
FLORIDA**
**Public Works Department
Engineering Division**

March 2, 2018

Mr. Joseph A. Forte
City Manager
City of Holly Hill
1065 Ridgewood Ave.
Holly Hill, FL 32117

Re: Holly Hill Sidewalk Projects

Dear Mr. Forte:

Per our conversations and correspondence Volusia County is willing to provide project management and Local Agency Program (LAP) support to City of Holly Hill on the sidewalk projects along Flomich Street from Nova Road to Ridgewood Avenue, Center Street from Flomich Street to the southern City limits (near 3rd Street) and 15th Street from Nova Road to Center Street. With the understanding that these are all city streets and will require a considerable amount of county manpower to manage, the following conditions will be required to be memorialized in an interlocal agreement between the county and city if the projects get funded.

(1) The City will be responsible for coordinating with the River 2 Sea Transportation Planning Organization (R2C TPO) staff to get these projects bundled for the design phase. The five (5) projects are currently separate LAP funding requests. Since it is the County's intention to hire an engineering firm to design the individual projects (bundled under one contract), funding for the design of the individual projects must be programmed by the FDOT in a single fiscal year.

(2) The City will be responsible for the R2C TPO local match requirement and all county costs that are not eligible for reimbursement by LAP. These costs will include but not be limited to cost overruns, unfunded items, any budget shortfalls and all county staff time, including procurement of services and project management responsibilities, which Florida Department of Transportation (FDOT) staff has stated is not eligible for reimbursement under LAP funding.

123 West Indiana Avenue, 4th Floor • Deland, Florida 32720
Tel: (386) 736-5967, 257-6067, 423-3874 • Fax: (386) 822-5736

www.volusia.org


(3) The County will assist and advise the City regarding ROW acquisition, but the City will handle all correspondence and perform negotiations. The City will be responsible for any and all eminent domain actions, if required. The County will not participate in condemnation activities on City streets.

(4) The County will handle the construction phase on behalf of the City (It is highly preferred and far more cost effective to bundle as many of the sidewalk projects together as possible).

(5) The City will be responsible for the post-construction maintenance.

Please call me at 386-736-5967 if you would like to discuss further or are in need of additional information.

Sincerely,



Tadd Kasbeer, PE
Assistant County Engineer

cc: George Recktenwald, Deputy County Manager
John Angiulli, Public Works Director
Gerald N. Brinton, PE, County Engineer

123 West Indiana Avenue, 4th Floor • Deland, Florida 32720
Tel: (386) 736-5967, 257-6067, 423-3874 • Fax: (386) 822-5736

www.volusia.org

MEETING SUMMARY

CAC & TCC

APRIL 17, 2018

V. PRESENTATIONS, STATUS REPORTS AND DISCUSSION ITEMS

B. PRESENTATION AND DISCUSSION OF THE 2018 R2CTPO ANNUAL PLANNING RETREAT

Background Information:

On March 23, 2018, the River to Sea TPO, in partnership with the Volusia County Association for Responsible Development (VCARD), held an annual planning retreat at the Brannon Center in New Smyrna Beach. The Annual Retreat focused on the future of Transportation Technology including the transportation technology/infrastructure associated with Smart Cities and A.C.E.S. (Automated, Connected, Electric and Shared Vehicles). In addition, a variety of considerations were introduced regarding the changes influenced by these emerging technologies. These included land use/site planning, policy/legislation, economics and funding as well as generational changes, acceptance of technology, business trends and the work underway at Embry-Riddle Aeronautical University (ERAU). TPO staff will provide an overview of the event.

ACTION REQUESTED:

NO ACTION REQUIRED UNLESS OTHERWISE DIRECTED BY THE COMMITTEE

MEETING SUMMARY

CAC & TCC

APRIL 17, 2018

V. PRESENTATIONS, STATUS REPORTS AND DISCUSSION ITEMS

**C. PRESENTATION AND DISCUSSION OF THE R2CTPO TRANSPORTATION SYSTEMS
MANAGEMENT & OPERATIONS (TSM&O) MASTER PLAN**

Background Information:

Rather than attempting to increase transportation capacity and efficiency through traditional methods, such as roadway widenings, TSM&O strategies provide alternative means to meet the ever increasing demands on the transportation network. Authorized under Task 2.09 in the River to Sea TPO's FY 2016/17 and 2017/18 Unified Planning Work Program (UPWP), the TPO is currently developing a TSM&O Master Plan to identify and prioritize cost-effective technology deployments and develop operational strategies to realize increased performance of the transportation system.

Phase 1 of the TSM&O Master Plan was adopted in August of 2016. Phase 2 of the Master Plan builds upon Phase 1, and is being developed by Metric Engineering. The consultant will provide a general overview of the progress of the TSM&O Master Plan development to date.

ACTION REQUESTED:

NO ACTION REQUIRED UNLESS OTHERWISE DIRECTED BY THE COMMITTEE

**MEETING SUMMARY
CAC & TCC
APRIL 17, 2018**

V. PRESENTATIONS, STATUS REPORTS AND DISCUSSION ITEMS

D. FDOT REPORT

Background Information:

Ms. Vickie Wyche, Florida Department of Transportation (FDOT), will be present to answer questions regarding projects on the FDOT Construction Status Report and the Push-Button Report.

The Construction Status and Push Button Reports are provided for your information.

ACTION REQUESTED:

NO ACTION REQUIRED UNLESS OTHERWISE DIRECTED BY THE COMMITTEE



Florida Department of Transportation

RICK SCOTT
GOVERNOR

719 S. Woodland Boulevard
DeLand, Florida 32720-6834

MIKE DEW
SECRETARY

Volusia/Flagler County Project Status Update as of March 22, 2018

The following is a brief status update on major FDOT road construction projects in Volusia and Flagler counties as of the March cutoff. The next cutoff date is April 15, 2018. Information is also available on www.cflroads.com.

Interstate Projects

- **242715-2-52-01 -- I-95 Widening, I-4, U.S. 92 System to System Interchange**
 - Contract: E5W26
 - Work Began: November 2014
 - Estimated Completion: Summer 2018
 - Northbound traffic shift completed and new northbound collector/distributor road is open.
 - Demolition old bridges at U.S. 92 and completion of new bridges is underway.
 - Additional ramps to open requiring small traffic shifts expected in April.

New Projects

- **436126-1-52-01 – S.R. 20/S.R. 100 Add Left Turn Lane at C.R. 305**
 - Contract: E5Z03
 - Work Began March 19, 2018
 - Estimated Completion: Summer 2018
 - Contract Amount: \$765,000
 - This project involves construction of a left turn lane from S.R. 20/S.R. 100 to C.R. 305 in Flagler County.
- **240992-7-52-01 and 240992-8-1-52-01 – U.S. 1 Intersection Improvements at Big Tree Road and Reed Canal Road**
 - Contract: T5619
 - Work Began March 19, 2018
 - Estimated Completion: Fall 2018
 - Contract Amount: \$1.8 Million
 - Work beginning at Reed Canal first.

- **439877-1-52-01 – U.S. 17 Trail from Washington Avenue to Palmetto Avenue in Pierson**
 - Contract: E5Z36
 - Work to begin March 26, 2018
 - Estimated Completion: Fall 2018
 - Contract Amount: 661,000
 - Project involves construction of shared use path along east side of U.S. 17 between Washington Avenue and Palmetto Avenue. Trail will tie in to the new Pierson Elementary School.

Upcoming Project – Not on Status Report

- **438038-1-52-01 and 441070-1-52-01 – I-4 milling and resurfacing from west of Saxon Boulevard to east of S.R. 472, along with interchange improvements at Saxon Boulevard**
 - This project will mill and resurface I-4 within the project limits, including interchange ramps and shoulders. Additionally, the I-4 eastbound off ramp to Saxon Boulevard will be realigned and Saxon Boulevard will be widened to add a third eastbound lane to improve access to the left turn lane at Finland Drive.
 - Pre-construction conference April 4, 2018

Current Projects

- **435053-1-52-01, 435056-1-52-01 and 435056-1-52-02 – Interstate Lighting Along I-4**
 - Contract: T5572
 - Work Began December 12, 2017
 - Estimated Completion: Spring 2019
 - Contract Amount: \$6.7 Million
 - Installation of light pole bases in progress at U.S. 17/92, Dirksen Drive and S.R. 472.
- **435059-1-52-01 – Interstate Lighting Along I-95**
 - Contract: T5588
 - Work Began December 12, 2017
 - Estimated Completion: Fall 2019
 - Contract Amount: \$5.6 Million
 - The contractor is currently working at LPGA Boulevard and will move north.
- **427956-1-72-01 – SR 44 Concrete Slab Repair and Replacement between Boundary Avenue and Hill Avenue**
 - Contract: E5U22
 - Work Began December 11, 2017

- Estimated Completion: Fall 2018
 - Contract Amount: \$966,000
 - Contractor working on slab replacements. Additional lane closures and short-term detours will be needed in upcoming months.

- **437447-1-52-01 – Bridge Deck Repairs, Berrys Canal and Conners Canal on the west end of the North Causeway, New Smyrna Beach**
 - Contract: E5Y56
 - Estimated Completion: Summer 2018
 - Contract Amount: \$1,274,655.31
 - Contractor will be moving westbound traffic on the bridge over Conners Canal to the center lane within the next few weeks to complete work on the north side of the bridge.

- **436325-1-52-1 – Event Management System Installation**
 - Contract: E5Y95
 - Estimated Completion: October 2018
 - Contract Amount: \$2,610,610.00
 - Contractor working on sign installation. Underground work is substantially complete.



FDOT District 5 - DeLand Operations Office
1650 N. Kepler Road , DeLand, FL 32724
Phone (386) 740-3548 Fax (386) 736-5469
DeLand Operations Engineer Ron Meade, P.E

Outside Consultant

In-House Construction

Maintenance

Project Status Report as of March 22, 2018

Volusia County						
I-95, I-4, US 92 SYSTEM TO SYSTEM INTERCHANGE						
FIN #	242715-2-52-01					
CONTRACT #	E5W26					
DESIGN BUILD						
PROJECT DESCRIPTION: Widening of I-95 from four to six lanes, complete reconstruction of the I-4/SR 400 and US 92 interchanges, reconstruction of Bellevue Bridge, improvements to SR 400, US 92, Bellevue Road and Tomoka Farms Road						
					TIME	COST
CONTRACTOR:	Archer Western Contractors LLC	LET DATE:	9/05/2014	ORIGINAL:	1,100	\$204,975,000.00
CCEI:	Jacobs Engineering Group	NTP:	11/25/2014	CURRENT:	1,393	\$205,177,245.00
FED. AID #:	0954-140-1	TIME BEGAN:	11/25/2014	ELAPSED:	1,210	\$168,822,041.48
FUND TYPE	Federal	WORK BEGAN:	11/25/2014	% ORIGINAL:	110.00%	82.36%
Current CPPR:	100	EST. COMPLETION:	Fall 2018	% TO DATE:	86.86%	82.28%
CONTACT			PHONE		EMAIL	
CEI SENIOR PROJECT ADMINISTRATOR		Robert Parker	C: 904.449.0923 O: 386.333.9537		robert.parker@jacobs.com	
CONTRACT SUPPORT SPECIALIST (CSS)		Yleana Baez	C: 813.293.6252 O: 386.333.9537		yleana.baez@jacobs.com	
CONTRACTOR'S PROJECT MANAGER:		Jeff Hutchinson, P.E.	C: 904.669.8931 O: 386.333.9575		jhutchinson@walshgroup.com	
CONTRACTOR'S ASST PROJECT MANAGER		Jaime Venegas	C: 817.721.5071 O: 386.333.9576		jvenegas@walshgroup.com	
CONTRACTOR'S ASST PROJECT MANAGER		Ryan Gwaltney	C: 863.245.1814 O: 386.333.9577		rgwaltney@walshgroup.com	
FDOT PROJECT MANAGER:		Chris Briggs	C: 386.846.4753 O: 386.740.3505		christopher.briggs@dot.state.fl.us	
SENIOR PROJECT ENGINEER:		Cyril Fernandez	C: 813.245.0463 O: 386.333.9537		cyril.fernandez@jacobs.com	
SENIOR INSPECTOR:		Mike Meadows	C: 352.547.7145 O: 386.333.9537		mike.meadows@jacobs.com	
SENIOR INSPECTOR:		Jose Medina	C: 386.804.2403 O: 386.333.9537		jose.medina@jacobs.com	
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		jim.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Jeff Hutchinson, P.E.	C: 904.669.8931 O: 386.333.9575		jhutchinson@walshgroup.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Jason Roberts	C: 386.916.4439 O: 386.333.9575		jroberts@walshgroup.com	
MEETING SCHEDULE: Biweekly on Tuesdays at 9:30 a.m., Field Office, 735 Fentress Blvd.						

Flagler, Brevard, Seminole Counties						
Truck Parking Availability System						
FIN #	438096-1-52-01					
CONTRACT #	E5Y77					
Construction Design Build						
PROJECT DESCRIPTION: Installation of a truck parking availability system at 7 locations in Brevard, Flagler and Seminole counties.						
					TIME	COST
CONTRACTOR:	SICE, Inc.	LET DATE:	4/26/2017	ORIGINAL:	250	\$1,828,183.00
CCEI:	Mehta & Associates	NTP:	6/30/2017	CURRENT:	334	\$1,888,820.04
FED. AID #:	PARK001A	TIME BEGAN:	6/30/2017	ELAPSED:	262	\$1,612,812.00
FUND TYPE	Design Build	WORK BEGAN:	6/30/2017	% ORIGINAL:	104.80%	88.22%
Current CPPR	100	EST. COMPLETION:	Spring 2018	% TO DATE:	78.44%	85.39%
CONTACT			PHONE		EMAIL	
CEI SENIOR PROJECT ADMINISTRATOR		Kerry Worrell, P.E.	O: 407.201.7165 C: 321.239.7308		kworrell@mehateng.com	
CONTRACT SUPPORT SPECIALIST (CSS)		Chris Kochis	O: 407.201.7165 C: 386.690.9690		ckochis@mehateng.com	
CONTRACTOR'S PROJECT MANAGER:		Pablo Lorient de Elio	C: 305.772.8082		plorient@sice.com	
CONTRACTOR'S SUPERINTENDENT:		Richard Mann	C: 813.507.6363		rmannjr@sice.com	
FDOT PROJECT MANAGER:		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
SENIOR PROJECT ENGINEER:		Anu Shah, P.E.	O: 407.201.7165 C: 850.341.6114		ashah@mehateng.com	
SENIOR INSPECTOR:		Bakir Ebrahim	C: 407.274.5208		Bebrahim@mehateng.com	
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		jim.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Pablo Lorient de Elio	C: 305.772.8082		plorient@sice.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Richard Mann	C: 813.507.6363		rmannjr@sice.com	
MEETING SCHEDULE: Biweekly on Wednesdays at Mehta's office, One Purlieu Place, Winter Park						

Project Status Report as of March 22, 2018

Volusia County						
Event Management System						
FIN #	436325-1-52-01					
CONTRACT #	E5Y95					
Construction Pay Item						
PROJECT DESCRIPTION: Installation of five new arterial dynamic message signs, 54 blank-out signs and 21 Bluetooth devices along SR 400, US 92, LPGA Boulevard, SR 40 and US 1						
					TIME	COST
CONTRACTOR:	Traffic Control Devices, Inc.	LET DATE:	6/06/2017	ORIGINAL:	380	\$2,610,610.00
CCEI:	Mehta & Associates	NTP:	8/3/2017	CURRENT:	430	\$2,610,610.00
FED. AID #:	N/A	TIME BEGAN:	9/2/2017	ELAPSED:	198	\$1,706,029.59
FUND TYPE	Conventional	WORK BEGAN:	9/5/2017	% ORIGINAL:	52.11%	65.35%
Current CPPR	100	EST. COMPLETION:	Fall 2018	% TO DATE:	46.05%	65.35%
CONTACT			PHONE		EMAIL	
CEI SENIOR PROJECT ADMINISTRATOR		Kerry Worrell, P.E.	O: 407.201.7165 C: 321.239.7308		kworrell@mehtaeng.com	
CONTRACT SUPPORT SPECIALIST (CSS)		Chris Kochis	O: 407.201.7165 C: 386.690.9690		ckochis@mehtaeng.com	
CONTRACTOR'S PROJECT MANAGER:		April Andrews	C: 386.804.3611		aprilandrews@tcd-usa.com	
CONTRACTOR'S SUPERINTENDENT:		April Andrews	C: 386.804.3611		aprilandrews@tcd-usa.com	
FDOT PROJECT MANAGER:		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
SENIOR PROJECT ENGINEER:		Anu Shah, P.E.	O: 407.201.7165 C: 850.341.6114		ashah@mehtaeng.com	
SENIOR INSPECTOR:		Vince Clenney	C: 850.339.9523		vcclenney@mehtaeng.com	
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		jim.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		April Andrews	C: 386.804.3611		aprilandrews@tcd-usa.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Eric Schultze	O: 407.869.5300		e.schultze@tcd-usa.com	
MEETING SCHEDULE: Wednesdays at Mehta's office, One Purlieu Place, Winter Park						

Seminole County						
Bridge Security System St. Johns River Bridge						
FIN #	436323-1-52-01					
CONTRACT #	E5Y52					
Conventional Construction						
PROJECT DESCRIPTION: Installation of ITS security surveillance system at the St. Johns River Bridge at US 17/92						
					TIME	COST
CONTRACTOR:	Traffic Control Devices, Inc.	LET DATE:	6/06/2017	ORIGINAL:	270	\$745,547.00
CCEI:	Mehta & Associates	NTP:	8/3/2017	CURRENT:	394	\$745,547.00
FED. AID #:	N/A	TIME BEGAN:	9/2/2017	ELAPSED:	198	\$456,993.03
FUND TYPE	Construction Pay Item	WORK BEGAN:	9/5/2017	% ORIGINAL:	73.33%	61.30%
Current CPPR	100	EST. COMPLETION:	Fall 2018	% TO DATE:	50.25%	61.30%
CONTACT			PHONE		EMAIL	
CEI SENIOR PROJECT ADMINISTRATOR		Kerry Worrell, P.E.	O: 407.201.7165 C: 321.239.7308		kworrell@mehtaeng.com	
CONTRACT SUPPORT SPECIALIST (CSS)		Chris Kochis	O: 407.201.7165 C: 386.690.9690		ckochis@mehtaeng.com	
CONTRACTOR'S PROJECT MANAGER:		Eric Schultze	O: 407.869.5300		e.schultze@tcd-usa.com	
CONTRACTOR'S SUPERINTENDENT:		Mark Jimenez	C: 407-448-8768		m.a.jimenez@tcd-usa.com	
FDOT PROJECT MANAGER:		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
SENIOR PROJECT ENGINEER:		Anu Shah, P.E.	O: 407.201.7165 C: 850.341.6114		ashah@mehtaeng.com	
SENIOR INSPECTOR:		Howard Hernandez	C: 407.276.7114		hohernandez@hntb.com	
MAINTENANCE CONTACT:		Sandusky McCartney	O: 386.740.3455		sandusky.mccarthey@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Mark Jimenez	C: 407-448-8768		m.a.jimenez@tcd-usa.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Eric Schultze	O: 407.869.5300		e.schultze@tcd-usa.com	
MEETING SCHEDULE: Wednesdays at Mehta's office, One Purlieu Place, Winter Park						



Outside Consultant

In-House Construction

Maintenance

Project Status Report as of March 22, 2018

Volusia & Seminole Counties						
Interstate Lighting I-4 in Seminole and Volusia Counties						
FIN #	435056-1-52-01, 435056-1-52-02, 435053-1-52-01					
CONTRACT #	T5572					
Conventional						
PROJECT DESCRIPTION: Installation of new lighting and signing improvements at the I-4 interchanges with US 17/92, Dirksen Drive, SR 472, Orange Camp Road, SR 44						
					TIME	COST
CONTRACTOR:	Chinchor Electric Inc.	LET DATE:	6/14/2017	ORIGINAL:	700	\$6,749,944.86
CCEI:	Mehta & Associates	NTP:	8/14/2017	CURRENT:	712	\$6,749,944.86
FED. AID #:	00422751	TIME BEGAN:	12/12/2017	ELAPSED:	97	\$1,251,783.25
FUND TYPE	Conventional	WORK BEGAN:	12/12/2017	% ORIGINAL:	13.86%	18.55%
Current CPPR	100	EST. COMPLETION:	Early 2020	% TO DATE:	13.62%	18.55%
				LIQ. DAMAGES:		
CONTACT			PHONE		EMAIL	
CEI SENIOR PROJECT ADMINISTRATOR		Kerry Worrell, P.E.	O: 407.201.7165 C: 321.239.7308		kworrell@mehtaeng.com	
CONTRACT SUPPORT SPECIALIST (CSS)		Renu Paliath	O: 407.201.7165		rpaliath@mehtaeng.com	
CONTRACTOR'S PROJECT MANAGER:		Brett Fudge	O: 386.774.1020 C: 386.804.0672		bfudge@chinchorelectric.com	
CONTRACTOR'S SUPERINTENDENT:		Randy States	C: 386.804.5817		rstates@chinchorelectric.com	
FDOT PROJECT MANAGER:		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
SENIOR PROJECT ENGINEER:		Anu Shah, P.E.	O: 407.201.7165 C: 850.341.6114		ashah@mehtaeng.com	
SENIOR INSPECTOR:		Alan Forget	C: 321.377.5848		aforget@mehtaeng.com	
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		jim.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Randy States	C: 386.804.5817		rstates@chinchorelectric.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Brett Fudge	O: 386.774.1020 C: 386.804.0672		bfudge@chinchorelectric.com	
MEETING SCHEDULE: Wednesdays at Mehta's office, One Purlieu Place, Winter Park						

Volusia & Flagler Counties						
Interstate Lighting I-95 in Volusia and Flagler Counties						
FIN #	435059-1-52-01					
CONTRACT #	T5588					
Conventional						
PROJECT DESCRIPTION: Installation of new lighting and signing improvements along I-95 at the interchanges with LPGA Boulevard, US 1, Old Dixie Highway, SR 100						
					TIME	COST
CONTRACTOR:	Chinchor Electric Inc.	LET DATE:	6/14/2017	ORIGINAL:	590	\$5,555,555.55
CCEI:	Mehta & Associates	NTP:	8/14/2017	CURRENT:	606	\$5,555,555.55
FED. AID #:	09541411	TIME BEGAN:	12/12/2017	ELAPSED:	97	\$599,147.70
FUND TYPE	Conventional	WORK BEGAN:	12/12/2017	% ORIGINAL:	16.44%	10.78%
Current CPPR	96	EST. COMPLETION:	Late 2019	% TO DATE:	16.01%	10.78%
CONTACT			PHONE		EMAIL	
CEI SENIOR PROJECT ADMINISTRATOR		Kerry Worrell, P.E.	O: 407.201.7165 C: 321.239.7308		kworrell@mehtaeng.com	
CONTRACT SUPPORT SPECIALIST (CSS)		Renu Paliath	O: 407.201.7165		rpaliath@mehtaeng.com	
CONTRACTOR'S PROJECT MANAGER:		Don Hasco	O: 386.774.1020 C: 386-804-5769		dhasco@chinchorelectric.com	
CONTRACTOR'S SUPERINTENDENT:		Austin deGaelani	C: 386.414.1051		adegaetani@chinchorelectric.com	
FDOT PROJECT MANAGER:		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
SENIOR PROJECT ENGINEER:		Anu Shah, P.E.	O: 407.201.7165 C: 850.341.6114		ashah@mehtaeng.com	
SENIOR INSPECTOR:		Vladimir Perez	C: 321.945.5244		tperez@mehtaeng.com	
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		jim.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Austin deGaelani	C: 386.414.1051		adegaetani@chinchorelectric.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Don Hasco	O: 386.774.1020 C: 386-804-5769		dhasco@chinchorelectric.com	
MEETING SCHEDULE: Wednesdays at Mehta's office, One Purlieu Place, Winter Park						



Outside Consultant

In-House Construction

Maintenance

Project Status Report as of March 22, 2018

Flagler County						
SR 20/SR 100 Left Turn Lane at CR 305						
FIN #	436126-1-52-01					
CONTRACT #	E5Z03					
Lump Sum						
PROJECT DESCRIPTION: Construction of a new left turn lane from westbound SR 20/SR 100 to southbound CR 305, including new guardrail and drainage improvements.						
					TIME	COST
CONTRACTOR:	Halifax Paving Inc.	LET DATE:	12/05/2017	ORIGINAL:	120	\$765,000.00
CCEI:	CDM Smith	NTP:	2/3/2018	CURRENT:	120	\$765,000.00
FED. AID #:	N/A	TIME BEGAN:	3/3/2018	ELAPSED:	0	\$0.00
FUND TYPE	Construction Lump Sum	WORK BEGAN:	3/26/2018	% ORIGINAL:	0.00%	0.00%
Current CPPR	98	EST. COMPLETION:	Fall 2018	% TO DATE:	0.00%	0.00%
Work to Begin March 26, 2018						
CONTACT			PHONE		EMAIL	
CEI SENIOR PROJECT ADMINISTRATOR		Greg Shelton	C: 407-948-9021		sheltongb@cdmsmith.com	
CONTRACT SUPPORT SPECIALIST (CSS)		Seth Simpson	O: 407-488-7984		simpsonsa@cdmsmith.com	
CONTRACTOR'S PROJECT MANAGER:		Steve Blair	O: 386-676-0200 C: 386-547-3422		hpi-steve@cfl.rr.com	
CONTRACTOR'S SUPERINTENDENT:		Joe Durrance	C: 386-547-4852			
FDOT PROJECT MANAGER:		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
SENIOR PROJECT ENGINEER:		Michael Ruland P.E.	C: 407-280-5435		rulandmb@cdmsmith.com	
SENIOR INSPECTOR:						
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		jim.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Josh Lloyd	C: 386-937-7850			
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Joe Durrance	C: 386-547-4852			
MEETING SCHEDULE:						

Volusia County						
US 17 Trail from Washington Avenue to Palmetto Avenue in Pierson						
FIN #	439877-1-52-01					
CONTRACT #	E5Z36					
Conventional Construction						
PROJECT DESCRIPTION: Construction of a paved multi-use path along the east side of US 17 from Washington Avenue to Palmetto Avenue in Pierson.						
					TIME	COST
CONTRACTOR:	P&S Paving Inc.	LET DATE:	1/03/2018	ORIGINAL:	120	\$661,368.90
CCEI:	CDM Smith	NTP:	2/27/2018	CURRENT:	120	\$661,368.90
FED. AID #:	N/A	TIME BEGAN:	3/26/2018	ELAPSED:	0	\$0.00
FUND TYPE	Construction Pay Item	WORK BEGAN:	3/26/2018	% ORIGINAL:	0.00%	0.00%
Current CPPR	98	EST. COMPLETION:	Fall 2018	% TO DATE:	0.00%	0.00%
				LIQ. DAMAGES:		
Work to Begin March 26, 2018						
CONTACT			PHONE		EMAIL	
CEI SENIOR PROJECT ADMINISTRATOR		Greg Shelton	C: 407-948-9021		sheltongb@cdmsmith.com	
CONTRACT SUPPORT SPECIALIST (CSS)		Seth Simpson	O: 407-488-7984		simpsonsa@cdmsmith.com	
CONTRACTOR'S PROJECT MANAGER:		Brian Davidson	C: 386.566.0551		bdavidson@pandspavinginc.com	
CONTRACTOR'S SUPERINTENDENT:		John Dunlap	C: 386.214.8896		jd@pandspavinginc.com	
FDOT PROJECT MANAGER:		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
SENIOR PROJECT ENGINEER:		Michael Ruland P.E.	C: 407-280-5435		rulandmb@cdmsmith.com	
SENIOR INSPECTOR:						
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		jim.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		John Dunlap	C: 386.214.8896		jd@pandspavinginc.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Brian Davidson	C: 386.566.0551		bdavidson@pandspavinginc.com	
MEETING SCHEDULE:						



Outside Consultant
In-House Construction
Maintenance

Project Status Report as of March 22, 2018

VOLUSIA						
SR 40 (Granada Boulevard) Bridge Pier Repair over the Halifax River						
FIN #	436937-1-52-01					
CONTRACT #	E5Y33					
Construction Lump Sum						
PROJECT DESCRIPTION: Repairs to Pier 8 crash wall of bridge 790132 in Ormond Beach						
					TIME	COST
CONTRACTOR:	CMA Corporation	LET DATE:	9/07/2016	ORIGINAL:	250	\$1,750,000.00
FED. AID #:		NTP:	11/14/2016	CURRENT:	463	\$2,113,767.11
FUND TYPE	Lump Sum	TIME BEGAN:	2/27/2017	ELAPSED:	385	\$1,480,667.11
Current CPPR:	100	WORK BEGAN:	3/27/2017	% ORIGINAL:	154.00%	84.61%
		EST. COMPLETION:	Summer 2018	% TO DATE:	83.15%	70.05%
CONTACT			PHONE		EMAIL	
PROJECT ADMINISTRATOR		Rick Coe	C: 386.527.3831 O: 386.740.3490		frederick.coe@dot.state.fl.us	
CONTRACT SUPPORT SPECIALIST (CSS)		Ernie Sallar	O: 386.740.3416		ernesto.sallar@dot.state.fl.us	
CONTRACTOR'S PROJECT MANAGER:		Armando Cardona Jr.	C: 786.586.0597		acardonajr@cmacorporation.net	
CONTRACTOR'S SUPERINTENDENT:		Robert Bell	C: 305.923.0508		robertbell@cmacorporation.net	
CONSTRUCTION ENGINEER		Paul Wabi, P.E.	C: 386.279.5504 O: 386.740.3594		paul.wabi@dot.state.fl.us	
SENIOR INSPECTOR:		Chuck Crossman	C: 407.907.4300		crossman@etminc.com	
ADD'L SENIOR INSPECTOR						
MAINTENANCE CONTACT:		Sandusky McCartney	O: 386.740.3455		sandusky.mccarthey@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Armando Cardona Jr.	C: 786.586.0597		acardonajr@cmacorporation.net	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Robert Bell	C: 305.923.0508		robertbell@cmacorporation.net	
MEETING SCHEDULE:						

VOLUSIA						
Bridge Deck Repairs SR 44/North Causeway						
FIN #	437447-1-52-01					
CONTRACT #	E5Y56					
District Construction Contract						
PROJECT DESCRIPTION: Bridge deck repairs on bridges 790179 and 790150 at the western end of the North Causeway in New Smyrna Beach						
					TIME	COST
CONTRACTOR:	M&J Construction Company	LET DATE:	5/02/2017	ORIGINAL:	280	\$1,274,655.31
FED. AID #:	N/A	NTP:	6/29/2017	CURRENT:	329	\$1,288,773.41
FUND TYPE	Conventional	TIME BEGAN:	7/29/2017	ELAPSED:	233	\$890,716.70
Current CPPR:	100	WORK BEGAN:	7/29/2017	% ORIGINAL:	83.21%	69.88%
		EST. COMPLETION:	Summer 2018	% TO DATE:	70.82%	69.11%
CONTACT			PHONE		EMAIL	
PROJECT ADMINISTRATOR		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
CONTRACT SUPPORT SPECIALIST (CSS)		Denise Druding	O: 386.740.3430		denise.druding@dot.state.fl.us	
CONTRACTOR'S PROJECT MANAGER:		Mike Miller	C: 727.916.0830		mmiller@mjconstruction.net	
CONTRACTOR'S SUPERINTENDENT:		Frank Buck	C: 386.972.0283		fbuck@mjconstruction.net	
CONSTRUCTION ENGINEER		Paul Wabi, P.E.	C: 386.279.5504 O: 386.740.3594		paul.wabi@dot.state.fl.us	
SENIOR INSPECTOR:		John Vance	C: 407.202.4132		jvance@pageoneconsultants.com	
ADD'L SENIOR INSPECTOR						
STRUCTURES CONTACT:		Matthew Hodges	O: 386.740.3437		matthew.hodges@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Frank Buck	C: 386.972.0283		fbuck@mjconstruction.net	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Mike Miller	C: 727.916.0830		mmiller@mjconstruction.net	
MEETING SCHEDULE:						



Outside Consultant
In-House Construction
Maintenance

Project Status Report as of March 22, 2018

VOLUSIA						
SR 5A/Nova Road Resurfacing from Brentwood Drive to Flomich Street, Including the Frontage Road						
FIN #	436915-1-52-01					
CONTRACT #	T5600					
Construction Pay Item						
PROJECT DESCRIPTION: Milling and resurfacing, base work, drainage improvements, curb & gutter, signals, highway signing, guardrails, sidewalk/shared use path on Nova Road between Brentwood Drive and Flomich Street, including Frontage Road from 3rd Street to Nova Road.						
					TIME	COST
CONTRACTOR:	P&S Paving Inc.	LET DATE:	9/27/2017	ORIGINAL:	250	\$3,294,213.50
FED. AID #:	8886748A	NTP:	12/4/2017	CURRENT:	286	\$3,360,723.90
FUND TYPE	Conventional	TIME BEGAN:	12/4/2017	ELAPSED:	105	\$1,084,192.95
Current CPPR:	98	WORK BEGAN:	12/4/2017	% ORIGINAL:	42.00%	32.91%
		EST. COMPLETION:	Late 2018	% TO DATE:	36.71%	32.26%
CONTACT			PHONE		EMAIL	
PROJECT ADMINISTRATOR		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
CONTRACT SUPPORT SPECIALIST (CSS)		Ernie Sallar	O: 386.740.3416		ernesto.sallar@dot.state.fl.us	
CONTRACTOR'S PROJECT MANAGER:		Brian Davidson	C: 386.566.0551		bdavidson@pandspavinginc.com	
CONTRACTOR'S SUPERINTENDENT:		John Dunlap	C: 386.214.8896		jd@pandspavinginc.com	
CONSTRUCTION ENGINEER		Paul Wabi, P.E.	C: 386.279.5504 O: 386.740.3594		paul.wabi@dot.state.fl.us	
SENIOR INSPECTOR:		Jessy Hefflin	C: 407.973.6510		jhefflin@go-iei.com	
ADD'L SENIOR INSPECTOR						
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		james.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		John Dunlap	C: 386.214.8896		jd@pandspavinginc.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Brian Davidson	C: 386.566.0551		bdavidson@pandspavinginc.com	
MEETING SCHEDULE:						

VOLUSIA						
SR 5A (Nova Road) Resurfacing from SR 400 to US 92						
FIN #	432438-3-52-01					
CONTRACT #	E5Y92					
Construction Lump Sum						
PROJECT DESCRIPTION: Milling and resurfacing of SR 5A from Beville Road to International Speedway Boulevard						
					TIME	COST
CONTRACTOR:	P&S Paving Inc.	LET DATE:	5/02/2017	ORIGINAL:	150	\$2,098,740.00
FED. AID #:	N/A	NTP:	7/03/2017	CURRENT:	225	\$2,098,740.00
FUND TYPE	Lump Sum	TIME BEGAN:	8/2/2017	ELAPSED:	224	\$2,046,691.26
Current CPPR:	97	WORK BEGAN:	8/2/2017	% ORIGINAL:	149.33%	97.52%
		EST. COMPLETION:	Spring 2018	% TO DATE:	99.56%	97.52%
CONTACT			PHONE		EMAIL	
PROJECT ADMINISTRATOR		Barry Johnson	C: 407.947.7426		barry.johnson@wsp.com	
CONTRACT SUPPORT SPECIALIST (CSS)		Denise Druding	O: 386.740.3430		denise.druding@dot.state.fl.us	
CONTRACTOR'S PROJECT MANAGER:		Brian Davidson	C: 386.566.0551		bdavidson@pandspavinginc.com	
CONTRACTOR'S SUPERINTENDENT:		John Dunlap	C: 386.214.8896		jd@pandspavinginc.com	
CONSTRUCTION ENGINEER		Paul Wabi, P.E.	C: 386.279.5504 O: 386.740.3594		paul.wabi@dot.state.fl.us	
SENIOR INSPECTOR:		Paul Stacks	C: 863-243-9440		paul.stacks@aecom.com	
ADD'L SENIOR INSPECTOR						
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		james.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		John Dunlap	C: 386.214.8896		jd@pandspavinginc.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Brian Davidson	C: 386.566.0551		bdavidson@pandspavinginc.com	
MEETING SCHEDULE:						



Outside Consultant
In-House Construction
Maintenance

Project Status Report as of March 22, 2018

VOLUSIA						
US 1 Intersection Improvements Big Tree Road and Reed Canal Road						
FIN #	240992-7-52-01 and 240992-8-52-01					
CONTRACT #	T5619					
Construction Pay Item						
PROJECT DESCRIPTION: Roadway widening, creation of new turn lanes, milling and resurfacing, minor drainage improvements, sidewalks, signal improvements,						
					TIME	COST
CONTRACTOR:	Masci General Contractors Inc.	LET DATE:	8/30/2017	ORIGINAL:	250	\$1,769,310.98
FED. AID #:	D517009B	NTP:	11/7/2017	CURRENT:	250	\$1,769,310.98
FUND TYPE	Conventional	TIME BEGAN:	3/19/2018	ELAPSED:	0	\$0.00
Current CPPR:	98	WORK BEGAN:	3/19/2018	% ORIGINAL:	0.00%	0.00%
		EST. COMPLETION:	Late 2018	% TO DATE:	0.00%	0.00%
Work Began March 19, 2018						
CONTACT			PHONE		EMAIL	
PROJECT ADMINISTRATOR		Rick Coe	C: 386.527.3831 O: 386.740.3490		frederick.coe@dot.state.fl.us	
CONTRACT SUPPORT SPECIALIST (CSS)		Dobromir Benchev	O: 386.740.3564		dobromir.benchev@dot.state.fl.us	
CONTRACTOR'S PROJECT MANAGER:		David Jewett	C: 386.566.9020		davidjewett@masci.com	
CONTRACTOR'S SUPERINTENDENT:		Doug Cain	C: 386.281.9800		dougcaain360@gmail.com	
CONSTRUCTION ENGINEER		Paul Wabi, P.E.	C: 386.279.5504 O: 386.740.3594		paul.wabi@dot.state.fl.us	
SENIOR INSPECTOR:		Paul Stacks	C: 863.243.9440		paul.stacks@aecom.com	
ADD'L SENIOR INSPECTOR		Prince Dorvilus	C: 407.276.5810		pdorvilus@pics-llc.com	
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		james.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Doug Cain	O: 386.281.9800			
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		David Jewett	C: 386.566.9020		davidjewett@masci.com	
MEETING SCHEDULE:						

VOLUSIA						
Inside Paved Shoulders - Various Locations Volusia County						
FIN #	434847-1-72-01					
CONTRACT #	E5T26					
District Maintenance Contract						
PROJECT DESCRIPTION: Construct 2-foot-wide inside paved shoulders on sections of SR 472, SR 15/US 17, SR 40, US 1, US 17/92						
					TIME	COST
CONTRACTOR:	Rogar Management & Consulting	LET DATE:	3/07/2017	ORIGINAL:	179	\$1,059,574.24
FED. AID #:	N/A	NTP:	5/10/2017	CURRENT:	305	\$1,059,574.24
FUND TYPE	Maintenance	TIME BEGAN:	5/24/2017	ELAPSED:	299	\$1,036,200.71
Current CFPR:	100	WORK BEGAN:	5/30/2017	% ORIGINAL:	167.04%	97.79%
		EST. COMPLETION:	Spring 2018	% TO DATE:	98.03%	97.79%
Maintenance Contract - Update as of February invoice						
CONTACT			PHONE		EMAIL	
PROJECT ADMINISTRATOR		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
CONTRACT SUPPORT SPECIALIST (CSS)		Dobromir Benchev	O: 386.740.3564		dobromir.benchev@dot.state.fl.us	
CONTRACTOR'S PROJECT MANAGER:		Javier Rodriguez	C: 305.979.1991 O: 786.573.1872		rogarlic@gmail.com	
CONTRACTOR'S FIELD MANAGER:		Miguel Faraldo	O: 786-486-1821 C: 786-486-1821		rogarlic@gmail.com	
CONSTRUCTION ENGINEER		Paul Wabi, P.E.	C: 386.279.5504 O: 386.740.3594		paul.wabi@dot.state.fl.us	
SENIOR INSPECTOR:		Bryan Cundall	C: 407-608-0546		bcundall@corradino.com	
ADD'L SENIOR INSPECTOR						
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		james.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Miguel Faraldo	O: 786-486-1821 C: 786-486-1821		rogarlic@gmail.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:		Glenn Raney	C:386.846.4862 O: 386.740.3524		michael.raney@dot.state.fl.us	
MEETING SCHEDULE:						



Outside Consultant
In-House Construction
Maintenance

Project Status Report as of March 22, 2018

VOLUSIA						
SR 44 Concrete Slab Repair and Replacement from Boundary Avenue to Hill Avenue						
FIN #	427956-1-72-18					
CONTRACT #	E5U22					
Maintenance						
PROJECT DESCRIPTION: Concrete slab repair and replacement in various areas along SR 44 between Boundary and Hill avenues in DeLand.						
					TIME	COST
CONTRACTOR:	Faith Construction Group, Inc.	LET DATE:	10/03/2017	ORIGINAL:	270	\$965,762.50
FED. AID #:	N/A	NTP:	12/11/2017	CURRENT:	288	\$965,762.50
FUND TYPE	Maintenance	TIME BEGAN:	12/11/2017	ELAPSED:	81	\$86,020.73
Current CFPR	98	WORK BEGAN:	12/11/2017	% ORIGINAL:	30.00%	8.91%
		EST. COMPLETION:	Late 2018	% TO DATE:	28.13%	8.91%
Maintenance Contract - Update as of February invoice						
CONTACT			PHONE		EMAIL	
PROJECT ADMINISTRATOR		Chris Briggs	C: 386.846.4753 O: 386.740.3505		christopher.briggs@dot.state.fl.us	
CONTRACT SUPPORT SPECIALIST (CSS)		Dobromir Benchev	O: 386.740.3564		dobromir.benchev@dot.state.fl.us	
CONTRACTOR'S PROJECT MANAGER:		Joseph Faith	O: 386.848.7522		fcgcorpo@gmail.com	
CONTRACTOR'S SUPERINTENDENT:						
CONSTRUCTION ENGINEER		Paul Wabi, P.E.	C: 386.279.5504 O: 386.740.3594		paul.wabi@dot.state.fl.us	
SENIOR INSPECTOR:		Paul Stacks	C: 863-243-9440		paul.slacks@aeom.com	
ADD'L SENIOR INSPECTOR						
MAINTENANCE CONTACT:		Jim Read	C: 386.801.5584 O: 386.740.3406		james.read@dot.state.fl.us	
24 HR CONTRACTOR EMERGENCY CONTACT:		Joseph Faith	O: 386.848.7522		fcgcorpo@gmail.com	
ALT. 24 HR CONTRACTOR EMERGENCY CONTACT:						
MEETING SCHEDULE:						

LANDSCAPE PROJECTS CURRENTLY IN ESTABLISHMENT PERIOD

VOLUSIA			
I-4 / Saxon Boulevard Interchange Landscaping			
FIN #	435469-2-52-01	Contract Days: 951	Days Elapsed: 514
CONTRACT #	E5Y26	Present Amount: \$837,910	Paid to Date: \$721,700

VOLUSIA			
I-4 / SR 44 Interchange Landscaping			
FIN #	435469-3-52-01	Contract Days: 907	Days Elapsed: 556
CONTRACT #	E5Y19	Present Amount: \$822,518.54	Paid to Date: \$736,137.55

VOLUSIA			
I-95/US 1 Interchange Landscaping			
FIN #	435469-1-52-01	Contract Days: 966	Days Elapsed: 911
CONTRACT #	E5W92	Present Amount: \$921,419.98	Paid to Date: \$878,898.79



Outside Consultant
In-House Construction
Maintenance

**MEETING SUMMARY
CAC & TCC
APRIL 17, 2018**

V. PRESENTATIONS, STATUS REPORTS AND DISCUSSION ITEMS

E. VOLUSIA COUNTY AND FLAGLER COUNTY CONSTRUCTION REPORTS

Background Information:

Staff from Volusia County Traffic Engineering and Flagler County Traffic Engineering will present an update on the county projects that are either under construction or close to being ready for construction. The Volusia County Construction Report is provided for your information. The Flagler County Construction Report will be provided under separate cover.

ACTION REQUESTED:

NO ACTION REQUIRED UNLESS OTHERWISE DIRECTED BY THE COMMITTEE

Volusia County Construction Report – March 2018*

Recently Completed within the last 6 months:

- 1) Doyle Road paved shoulders (Providence Blvd to Saxon Blvd)
- 2) Spring to Spring Trail - Grand Ave. (Lemon St. to King St.)

Under Construction or Advertised for Construction:

- 1) Veterans Memorial Bridge (Orange Ave.) – Under construction
- 2) LPGA Blvd 4-lane widening (Jimmy Ann Dr. to Derbyshire) – Under construction
- 3) Turnbull Bay Bridge —Under Construction
- 4) ECRRT – Segment 5 (Brevard County Line to Cow Creek Rd.) – Design/Build – Under Construction
- 5) ECRRT – Segment 4B (Gobblers Lodge to Maytown Spur) – Design/Build – Under Construction

Near Construction Projects:

- 1) Doyle Road paved shoulders (Lush Lane to Courtland Blvd)
- 2) Spring to Spring Trail – Segment 3A (Detroit Terrace to Don Smith Blvd.)
- 3) W. Park Avenue 3-lane widening (Dale Street to Old Mission Rd)

Design Projects:

- 1) ECRRT – Segment 4A (Guise Rd. to Gobblers Lodge) – Concept Design Completed, Right-of-Way Acquisition Underway, Design/Build in FY 2017/2018
- 2) Howland Blvd 4-lane widening (Providence Blvd to Elkcarn Blvd) – Design Started
- 3) Orange Camp Rd. 4-lane widening (MLK Blvd. to I-4) – Design Started
- 4) Tenth St 4-lane widening (Myrtle to US 1) – Waiting for Developer Land Swap Agreement including Design revisions, Waiting for Railroad and interlocal agreements.
- 5) Spring to Spring (DeLeon Springs gap) – Design Funded FY 2017/2018
- 6) Spring to Spring Trail – Segment 3B (Rob Sullivan Park to Dirksen Dr) – Design funded 2017/2018, Construction FY 2018/2019
- 7) Spring to Spring Trail- Segment 3C (Trail along Don Smith Blvd.) – Design funded 2017/2018, Construction Not Funded
- 8) Turnbull Bay Road paved shoulders – Design funded FY 2017/2018, Construction funded FY 2018/2019
- 9) Beresford Ave Extension (Blue Lake to MLK) – Waiting for ROW from City to start Design
- 10) Spring to Spring (Lake Beresford to Grand Avenue) – PD&E study administered by FDOT is currently underway
- 11) Coast to Coast Trail Wayfinding Signage, Mile Markers, and Emergency Location Markers – Design/Build likely to be funded in FY 2018/2019

***Changes/Updates since last report are underlined.**

Note: Dates are subject to change due to normal project development issues. Please see Volusia County's road program at <http://www.volusia.org/publicworks/> for more information.

**MEETING SUMMARY
CAC & TCC
APRIL 17, 2018**

VI. STAFF COMMENTS

- Update on Annual Call for Projects
- Update on Rectangular Rapid Flashing Beacons (RRFBs)

VII. CAC/TCC MEMBER COMMENTS

VIII. INFORMATION ITEMS

- CAC & TCC Attendance Records
- River to Sea TPO Board Meeting Summary for March 28, 2018
- March TPO Outreach and Events
- Regional Resiliency Action Plan Listening Session

IX. ADJOURNMENT

*****The next meetings of the CAC & TCC will be on May 15, 2018*****



Memorandum

Subject: **INFORMATION:** MUTCD – Interim Approval
for Optional Use of Pedestrian-Actuated
Rectangular Rapid-Flashing Beacons at
Uncontrolled Marked Crosswalks (IA-21)

Date: MAR 20 2018

From: Martin C. Knopp 
Associate Administrator for Operations

In Reply Refer To:
HOTO-1

To: Federal Lands Highway Division Directors
Division Administrators

Purpose: The purpose of this memorandum is to issue an Interim Approval for the optional use of Rectangular Rapid-Flashing Beacons (RRFB) as pedestrian-actuated conspicuity enhancements for pedestrian and school crossing warning signs under certain limited conditions. Interim Approval allows interim use, pending official rulemaking, of a new traffic control device, a revision to the application or manner of use of an existing traffic control device, or a provision not specifically described in the *Manual on Uniform Traffic Control Devices for Streets and Highways* (MUTCD). State and local agencies must request and receive permission to use this new Interim Approval, designated IA-21, from the Federal Highway Administration (FHWA) in accordance with the provisions of Section 1A.10 of the MUTCD before they can use the RRFB, even if prior approval had been given for Interim Approval 11 (IA-11), now terminated. The issuance of this new Interim Approval does not reinstate IA-11 either in whole or in part.

Background: The Florida Department of Transportation has requested that the FHWA issue an Interim Approval to allow the use of RRFBs as pedestrian-actuated conspicuity enhancements to supplement standard pedestrian and school crossing warning signs at uncontrolled marked crosswalks. The RRFB does not meet the current standards for flashing warning beacons as contained in the 2009 edition of the MUTCD, Chapter 4L, which requires a warning beacon to be circular in shape and either 8 or 12 inches in diameter, to flash at a rate of approximately once per second, and to be located no less than 12 inches outside the nearest edge of the warning sign it supplements. The RRFB uses rectangular-shaped high-intensity light-emitting-diode (LED)-based indications, flashes rapidly in a combination wig-wag and simultaneous flash pattern, and may be mounted immediately adjacent to the crossing sign.

Research on the RRFB: The City of St. Petersburg, Florida, experimented with the RRFB at 18 pedestrian crosswalks across uncontrolled approaches and submitted its final report in 2008. In addition to “before” data, the city collected “after” data at intervals for one year at all 18 sites and for two years at the first two implemented sites. For the first two sites, the city collected data for overhead and ground-mounted pedestrian crossing signs supplemented with standard circular yellow flashing warning beacons, for comparison purposes, before the RRFBs were installed. The data showed higher motorist yielding rates at crosswalks where the RRFBs had been installed in comparison to lower rates for standard warning beacons. The higher yielding rates were sustained even after two years of operation, and no identifiable negative effects were found. The St. Petersburg data also showed that drivers exhibit yielding behavior much farther in advance of crosswalks with RRFBs than with standard circular yellow flashing warning beacons.

In addition to the St. Petersburg locations, experimentation with RRFBs was also conducted at other uncontrolled marked crosswalks in Florida and other States. Data from locations other than St. Petersburg was limited, but did show results similar to those found in St. Petersburg.

The Texas Transportation Institute (TTI) conducted a Federally funded research project¹ that developed and tested a new flash pattern for the RRFB that was shown to be at least as effective as the flash pattern that was initially tested in St. Petersburg, Florida, and that showed that mounting the RRFB unit above the sign was at least as effective as mounting the RRFB unit below the sign. In this project, the results were generally favorable, however there was a wide range of yielding rates, with some as low as 19 percent. This broad range indicates that there might be certain factors or characteristics of locations at which the RRFB might not be effective.

A separate project² conducted by TTI examined data from multiple projects to determine various factors that influenced driver yielding rates at RRFB locations. In this project, the researchers found that intersection configuration, presence of a median refuge, crossing distance, approach to the crossing, and one-way vs. two-way traffic significantly affected the rate of driver yielding. Additional factors including posted speed limit, mounting of the beacons (overhead or roadside), and the type of crossing and sign—Pedestrian (W11-2) or School (S1-1) sign compared with the Trail Crossing (W11-15) sign—were also significant.

¹ Fitzpatrick, K., R. Avelar, M. Pratt, M. Brewer, J. Robertson, T. Lindheimer, and J. Miles. *Evaluation of Pedestrian Hybrid Beacons and Rapid Flashing Beacons*. Report No. FHWA-HRT-16-040, pp. 88-106. Texas Transportation Institute, College Station, Texas. July 2016.
<https://www.fhwa.dot.gov/publications/research/safety/16040/index.cfm>

² Fitzpatrick, K., M. Brewer, R. Avelar, and T. Lindheimer. *Will You Stop for Me? Roadway Design and Traffic Control Device Influences on Drivers Yielding to Pedestrians in a Crosswalk with a Rectangular Rapid-Flashing Beacon*. Report No. TTI-CTS-0010. Texas A&M Transportation Institute, College Station, Texas. June 2016.
<https://www.fhwa.dot.gov/publications/research/safety/16040/index.cfm>

FHWA Evaluation of Results: The Office of Transportation Operations reviewed the available data in 2008 and considered the RRFB to be highly successful for the applications tested (uncontrolled marked crosswalks). The RRFB offers significant potential safety and cost benefits because it achieves high rates of compliance at a low relative cost in comparison to other more restrictive devices that provide comparable results, such as full midblock signalization or pedestrian hybrid beacons.

The FHWA granted interim approval status to the RRFB on July 16, 2008, and designated that action as Interim Approval 11 (IA-11).

The FHWA was later informed that the concept of the RRFB had been patented by a private company. Because patented traffic control devices are not allowed to be included in the MUTCD, are not allowed to be given interim approval status, and are not allowed to be a part of an official experiment, the FHWA terminated Interim Approval 11 on December 21, 2017.

The FHWA has confirmed that the patents on the RRFB device that was the subject of Interim Approval 11 have been expressly abandoned and the concept of the RRFB is now in the public domain. Because of this action, the RRFB is once again eligible for interim approval status and the FHWA is issuing this new Interim Approval for the RRFB.

Interim Approval 11 (IA-11) remains terminated. Agencies that previously had been approved to use RRFBs under IA-11 are not covered by this new Interim Approval to install new RRFBs. If agencies that had approval under IA-11 wish to continue to install new RRFBs, then they must submit a new request to the FHWA and agree to comply with the terms and conditions of IA-21.

This Interim Approval does not create a new mandate compelling installation of RRFBs, but will allow agencies to install this traffic control device, pending official MUTCD rulemaking, to provide a degree of enhanced pedestrian safety at uncontrolled marked crosswalks.

Conditions of Interim Approval: The FHWA will grant Interim Approval for the optional use of the RRFB as a pedestrian-actuated conspicuity enhancement to supplement standard pedestrian crossing or school crossing signs at uncontrolled marked crosswalks to any jurisdiction that submits a written request to the Office of Transportation Operations. A State may request Interim Approval for all jurisdictions in that State. Jurisdictions using RRFBs under this Interim Approval must agree to the following:

- Comply with the Technical Conditions detailed in this memorandum;
- Maintain an inventory list of all locations at which the RRFB is installed; and
- Comply with all the conditions as listed in Paragraph 18 of Section 1A.10 of the MUTCD.

In addition, any agency that receives this approval must acknowledge agreement with the following:

- That an agency will furnish its list of locations where implemented if requested by FHWA;
- That FHWA has the right to rescind this Interim Approval at any time; and
- That issuance of this Interim Approval does not guarantee that the provisions, either in whole or part, will be adopted into the MUTCD.

1. General Conditions:

- a. Each RRFB unit shall consist of two rapidly flashed rectangular-shaped yellow indications with an LED-array-based light source, and shall be designed, located, and operated in accordance with the detailed requirements specified below.
- b. The use of RRFBs is optional. However, if an agency opts to use an RRFB under this Interim Approval, the following design and operational requirements shall apply, and shall take precedence over any conflicting provisions of the MUTCD for the approach on which RRFBs are used:

2. Allowable Uses:

- a. An RRFB shall only be installed to function as a pedestrian-actuated conspicuity enhancement.
- b. An RRFB shall only be used to supplement a post-mounted W11-2 (Pedestrian), S1-1 (School), or W11-15 (Trail) crossing warning sign with a diagonal downward arrow (W16-7P) plaque, or an overhead-mounted W11-2, S1-1, or W11-15 crossing warning sign, located at or immediately adjacent to an uncontrolled marked crosswalk.
- c. Except for crosswalks across the approach to or egress from a roundabout, an RRFB shall not be used for crosswalks across approaches controlled by YIELD signs, STOP signs, traffic control signals, or pedestrian hybrid beacons.
- d. In the event sight distance approaching the crosswalk at which RRFBs are used is less than deemed necessary by the engineer, an additional RRFB may be installed on that approach in advance of the crosswalk, as a pedestrian-actuated conspicuity enhancement to supplement a W11-2 (Pedestrian), S1-1 (School), or W11-15 (Trail) crossing warning sign with an AHEAD (W16-9P) or distance (W16-2P or W16-2aP) plaque. If an additional RRFB is installed on the approach in advance of the crosswalk, it shall be supplemental to and not a replacement for the RRFBs at the crosswalk itself.

3. Sign/Beacon Assembly Locations:

- a. For any approach on which RRFBs are used to supplement post-mounted signs,

at least two W11-2, S1-1, or W11-15 crossing warning signs (each with an RRFB unit and a W16-7P plaque) shall be installed at the crosswalk, one on the right-hand side of the roadway and one on the left-hand side of the roadway. On a divided highway, the left-hand side assembly should be installed on the median, if practical, rather than on the far left-hand side of the highway.

- b. An RRFB unit shall not be installed independent of the crossing warning signs for the approach that the RRFB faces. If the RRFB unit is supplementing a post-mounted sign, the RRFB unit shall be installed on the same support as the associated W11-2, S1-1, or W11-15 crossing warning sign and plaque. If the RRFB unit is supplementing an overhead-mounted sign, the RRFB unit shall be mounted directly below the bottom of the sign.

4. Beacon Dimensions and Placement in the Sign Assembly:

- a. Each RRFB shall consist of two rectangular-shaped yellow indications, each with an LED-array-based light source. The size of each RRFB indication shall be at least 5 inches wide by at least 2 inches high.
- b. The two RRFB indications for each RRFB unit shall be aligned horizontally, with the longer dimension horizontal and with a minimum space between the two indications of at least 7 inches, measured from the nearest edge of one indication to the nearest edge of the other indication.
- c. The outside edges of the RRFB indications, including any housings, shall not project beyond the outside edges of the W11-2, S1-1, or W11-15 sign that it supplements.
- d. As a specific exception to Paragraph 5 of Section 4L.01 of the 2009 MUTCD, the RRFB unit associated with a post-mounted sign and plaque may be located between and immediately adjacent to the bottom of the crossing warning sign and the top of the supplemental downward diagonal arrow plaque (or, in the case of a supplemental advance sign, the AHEAD or distance plaque) or within 12 inches above the crossing warning sign, rather than the recommended minimum of 12 inches above or below the sign assembly. (See the example photo that is shown below.)

5. Beacon Flashing Requirements:

- a. When actuated, the two yellow indications in each RRFB unit shall flash in a rapidly flashing sequence.
- b. As a specific exception to the requirements for the flash rate of beacons provided in Paragraph 3 of Section 4L.01, RRFBs shall use a much faster flash rate and shall provide 75 flashing sequences per minute. Except as provided in Condition 5f below, during each 800-millisecond flashing sequence, the left and right RRFB indications shall operate using the following sequence:

The RRFB indication on the left-hand side shall be illuminated for approximately 50 milliseconds.

Both RRFB indications shall be dark for approximately 50 milliseconds.

The RRFB indication on the right-hand side shall be illuminated for approximately 50 milliseconds.

Both RRFB indications shall be dark for approximately 50 milliseconds.

The RRFB indication on the left-hand side shall be illuminated for approximately 50 milliseconds.

Both RRFB indications shall be dark for approximately 50 milliseconds.

The RRFB indication on the right-hand side shall be illuminated for approximately 50 milliseconds.

Both RRFB indications shall be dark for approximately 50 milliseconds.

Both RRFB indications shall be illuminated for approximately 50 milliseconds.

Both RRFB indications shall be dark for approximately 50 milliseconds.

The RRFB indication on the right-hand side shall be illuminated for approximately 50 milliseconds.

Both RRFB indications shall be dark for approximately 250 milliseconds.

- c. The flash rate of each individual RRFB indication, as applied over the full flashing sequence, shall not be between 5 and 30 flashes per second to avoid frequencies that might cause seizures.
- d. The light intensity of the yellow indications during daytime conditions shall meet the minimum specifications for Class 1 yellow peak luminous intensity in the Society of Automotive Engineers (SAE) Standard J595 (Directional Flashing Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles) dated January 2005.
- e. To minimize excessive glare during nighttime conditions, an automatic signal dimming device should be used to reduce the brilliance of the RRFB indications during nighttime conditions.
- f. Existing RRFB units that use the flashing sequence that was specified in the Interim Approval 11 memorandum and a subsequent interpretation (the RRFB indication on the left-hand side emits two slow pulses of light after which the RRFB indication on the right-hand side emits four rapid pulses of light followed by one long pulse of light) should be reprogrammed to the flash pattern specified above in Condition 5b as part of a systematic upgrading process, such as when the units are serviced or when the existing signs are replaced.

6. Beacon Operation:

- a. The RRFB shall be normally dark, shall initiate operation only upon pedestrian actuation, and shall cease operation at a predetermined time after the pedestrian actuation or, with passive detection, after the pedestrian clears the crosswalk.
- b. All RRFB units associated with a given crosswalk (including those with an advance crossing sign, if used) shall, when actuated, simultaneously commence operation of their rapid-flashing indications and shall cease operation simultaneously.
- c. If pedestrian pushbutton detectors (rather than passive detection) are used to actuate the RRFB indications, a PUSH BUTTON TO TURN ON WARNING LIGHTS (R10-25) sign shall be installed explaining the purpose and use of the pedestrian pushbutton detector.
- d. The duration of a predetermined period of operation of the RRFBs following each actuation should be based on the procedures provided in Section 4E.06 of the 2009 MUTCD for the timing of pedestrian clearance times for pedestrian signals.
- e. The predetermined flash period shall be immediately initiated each and every time that a pedestrian is detected either through passive detection or as a result of a pedestrian pressing a pushbutton detector, including when pedestrians are detected while the RRFBs are already flashing and when pedestrians are detected immediately after the RRFBs have ceased flashing.
- f. A small pilot light may be installed integral to the RRFB or pedestrian pushbutton detector to give confirmation that the RRFB is in operation.

7. Accessible Pedestrian Features:

- a. If a speech pushbutton information message is used in conjunction with an RRFB, a locator tone shall be provided.
- b. If a speech pushbutton information message is used in conjunction with an RRFB, the audible information device shall not use vibrotactile indications or percussive indications.
- c. If a speech pushbutton information message is used in conjunction with an RRFB, the message should say, "Yellow lights are flashing." The message should be spoken twice.

Any questions concerning this Interim Approval should be directed to Mr. Duane Thomas at duane.thomas@dot.gov.



Figure 1. Example of an RRFB dark (left) and illuminated during the flash period (center and right) mounted with W11-2 sign and W16-7P plaque at an uncontrolled marked crosswalk.



Figure 2. View of pilot light to pedestrian at shared-use path crossing with median refuge. Enlargement of pilot light at right.



Figure 3. Example of pedestrian pushbutton and R10-25 sign with pilot light for pedestrian actuation.

cc:

Associate Administrators

Chief Counsel

Chief Financial Officer

Directors of Field Services

Director of Technical Services

CAC Attendance Record 2018

Name	Jan	Feb	Mar	April	May	June	July	August	September	October	November	Notes
Sue Habel			x									Daytona Beach (appt. 3/18)
Janet Deyette (17/18 Chairperson)	x	x	x									Deltona (appt. 11/10)
Ralph Bove	exc	abs	exc									DeBary (appt. 11/16)
Bliss Jamison	x	x	x									Edgewater (appt. 1/11)
Daryl Hickman			abs									Flagler Beach (appt 3/18)
Marcia Stevens Foltz	x	x	x									Flagler County (appt 2/18)
Heidi Petito/Bob Owens	abs	abs	abs									Flagler County Transit (appt 9/14)
Faith Alkhatib (non-voting)	abs	abs	abs									Flagler County Traffic Engineering (appt 9/14)
Gilles Blais (17/18 Vice Chairman)	x	x	x									Holly Hill (appt. 11/07) (Reap. 02/13)
Nora Jane Gillespie	x	x	x									New Smyrna Beach (appt 12/14)
Bob Storke	x	x	x									Orange City (appt. 1/08)
Alan Peterson	x	x	exc									Palm Coast (appt. 03/15)
Susan Elliott	exc	x	x									Pierson (appt. 3/06)
Joe Villanella	exc	exc	x									Ponce Inlet (appt. 10/15)
Jack Delaney	abs	x	abs									South Daytona (appt. 04/16)
Bobby Ball	x	x	x									Port Orange (appt. 12/02)
Elizabeth Alicia Lendian	x	x	x									Volusia County At-Large (appt. 05/13) (Cusack)
Patricia Lipovsky	x	x	x									Volusia County D-2 (appt 4/17)
Terry Bledsoe	x	x	exc									Volusia County D-3 (appt. 10/15)
Edie Biro/John Cotton	x	x	x									Votran (appt. 02/16) (alt. appt. 07/13)
Vickie Wyche (non-voting)	x	x	x									FDOT District 5 (appt 1/18)
Melissa Winsett/J.Cheney (non-voting)	x	x	x									V.C. Traffic Eng. (appt 10/11)
Colleen Nicoulin (non-voting)	x	x	x									River to Sea TPO
QUORUM	Y	Y	Y									
Vacancies												
Bunnell												
Beverly Beach												
Daytona Beach Shores												
Deland												
Flagler County School Board												
Lake Helen												
Oak Hill												
Ormond Beach												
Volusia County School Board												
Volusia County D-1												
Volusia County D-2												

TCC Attendance Record 2017

Name	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Notes
Fred Griffith	abs	abs	x									Bunnell (appt 2/17)
Kok Wan Mah/Rich Walton	x	x	x									
Arlene Smith	x	x	exc									Daytona Beach Airport (appt. 03/16)
Stewart Cruz	abs	abs	abs									Daytona Beach Shores (appt. 10/04)
Mike Holmes/Joseph Auba	exc	exc	x									DeLand (appt. 09/98)
Ron Paradise	x	x	x									Deltona (appt. 11/09)
Laura Dodd	x	x	x									DeBary (appt. 01/15)(alt. appt. 02/16)
Darren Lear	x	x	x									Edgewater (appt. 10/99)
Larry Newsom	abs	abs	abs									Flagler Beach (Appt. 02/16)
Faith Alkhatib/Adam Mengel	abs	abs	abs									Flagler County Traffic Engineering (appt 9/14)
Brian Walker	x	x	x									Holly Hill (appt 10/17)
Amye King/Kyle Fegley	exc	x	exc									New Smyrna Beach (appt. 10/16)
Jason Lawrence/Jason Yarborough	abs	abs	x									Lake Helen (appt 3/18)(appt. 12/15)
Shawn Finley	x	x	x									Ormond Beach (appt. 12/17)
Becky Mendez	x	x	x									Orange City (appt. 08/15)
Jose Papa (17/18 Chairman)	x	exc	x									Palm Coast (appt 7/14)
Mark Karet	x	x	abs									Pierson (appt. 09/16)
Aref Joulani/Jake Baker	x	x	x									Ponce Inlet (appt. 09/16) (alt. appt. 09/16)
Tim Burman	x	exc	x									Port Orange (appt. 10/13)
John Dillard/Patty Rippey	x	x	x									South Daytona (appt. 12/03)
Jon Cheney/Melissa Winsett	x	x	x									V.C. Traffic Engineering (appt. 04/99)
Eric Kozielski	x	x	x									Volusia County Schools(appt. 1/15)
Heather Blanck (alt. Edie Biro)	x	x	exc									Votran (appt. 01/07) (alt. appt. 02/16)
Larry LaHue/Pat White	x	x	exc									V.C. Emergency Management (appt. 01/04)
Vickie Wyche (non-voting)	x	x	x									FDOT (appt 1/18)
Colleen Nicoulin (non voting)	x	x	x									River to Sea TPO
QUORUM	Y	Y	Y									

Vacancies

Beverly Beach
 Flagler County
 Flagler County Transit
 Flagler County Aviation
 Flagler County Emergency Management
 Flagler County School Board
 Oak Hill

January - December 2017



**River to Sea TPO Board
Meeting Summary
March 28, 2018**

- Received public comment requesting the TPO remember former TPO Board member and New Smyrna Beach Mayor George Musson who was re-elected on this day in 1978
- Received public comment regarding the new bus stop shelters in Daytona Beach and suggested the other cities follow their example for installing and maintaining shelters using an advertising firm
- Approved consent agenda including approval of the February 28, 2018 TPO Board meeting minutes, approval of Executive Director's Salary, amendment of the lease with Root Riverfront Properties, LLC for office space, the 2017 State Modified Joint Certification Review Report and approval of expenditure for the Roadway Safety Evaluation and Improvement Analysis (\$91,195)
- Approved Resolution 2018-07 adopting the Bicycle and Pedestrian Master Plan Report
- Received a PowerPoint presentation of the R2CTPO "Tell the TPO" Survey Campaign, discussed the survey and provided direction for the candidate questions
- Received a PowerPoint presentation of the St. Johns River to Sea Trail PD&E Study
- Provided member concerns regarding public notice and communication
- Received the FDOT report
- Received the Executive Director's report including updates on FY 2017/18 SU funding; the Roundtable of Volusia County Elected Officials consideration of an infrastructure sales tax; status update on the Volusia County Bus Stop Improvement Program; an update on regional studies; update of TPO Annual Retreat held on March 23, 2018; and a legislative update
- Received video regarding the Bike Florida Sand and Stars Tour that was in Edgewater and Titusville last week

The next River to Sea TPO Board meeting will be on Wednesday, April 25, 2018

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	

TPO Outreach & Activities Completed in March 2018

1 R2CTPO Presentation to the Rotary Club of Daytona Beach

Date: Monday, March 19, 2018

Location: Daytona Beach

Description: TPO staff gave a presentation to the Rotary Club of Daytona Beach on TPO project updates as well as crashes and technology.



2 Annual TPO Retreat on the Future of Transportation Technology

Date: Friday, March 23, 2018

Location: Brannon Civic Center, New Smyrna Beach

Description: The R2CTPO, in partnership with VCARD, held an annual retreat to discuss the future of transportation technology; more than 125 people participated including committee and board members, citizens, elected officials, government staff, consultants and press.



APRIL EVENTS:

April 30: Tell the TPO Survey Kick-off; runs through June 30, 2018 www.TelltheTPO.com

OTHER UPCOMING EVENTS:

May 5: Oak Hill Community Festival Helmet Fitting, Mary Dewees Park, Oak Hill

May 7: Collaborating for Resilience Session, Volusia County Emergency Operations Center (EOC)

May 7: Building Economic and Social Resilience Session, Volusia County EOC

May 31: SunRail Commission Meeting, MetroPlan Orlando

June 7: MPO Advisory Council Meeting, Location TBD

June-July: Summer School Program Bicycle/Pedestrian Safety Presentation and Helmet Fittings

ONGOING PROJECTS & STUDIES:

- Development of FY 2018/19 and 2019/20 Unified Planning Work Program (UPWP)
- 2018 Tell the TPO Survey Campaign
- Annual Call for Projects Process
- 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
- Development of FY 2018/19-2022/23 Transportation Improvement Program (TIP)
- 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



Save the Date

Collaborating for Resilience

A Regional Resiliency Action Plan Listening Session

Monday, May 7, 2018 | Volusia County EDC | 3825 Tiger Bay Rd Daytona Beach

Tuesday, May 8, 2018 | FDOH – Bill Posey Conference Center | 2555 Judge Fran Jamieson Way, Viera

Attend Either Date. Time: 9:00 am– 11:30 am

Register here: <https://www.surveymonkey.com/r/RRAPWorkshops>

RESILIENCY:

The capacity of individuals, communities, institutions, businesses, and systems within a region to plan, sustain, adapt, recover, improve and grow collaboratively—regardless what kind of chronic stresses and acute shocks they experience – through specific actions and implementation strategies geared to address specific vulnerabilities.

(adapted from 100 Resilient Cities for the Regional Resiliency Action Plan)

Join us for a listening session to guide the development of the Regional Resiliency Action Plan for Brevard and Volusia Counties

“Resiliency” has become the new norm for communities as they plan for and respond to increasing disasters, flooding, sea level rise, and other potential vulnerabilities. Understanding the roles, responsibilities and opportunities for local jurisdictions and agencies in preparing and planning for resiliency can be overwhelming. With support from the Department of Environmental Protection, the East Central Florida Regional Planning Council is working with stakeholders to develop a Regional Resiliency Action Plan to *“Increase the ability of local and regional stakeholders to implement resiliency and climate adaptation strategies across disciplines.”*

Collaborate with other local jurisdictions and agencies to discuss the roles, responsibilities, opportunities and barriers to promoting resilience based on the following four parameters:

- * *Leadership and Strategy*
- * *Infrastructure and Environment*
- * *Health and Wellbeing*
- * *Economy and Society*

LISTENING SESSION GOALS

- Identify actionable items for local and regional staff to better prepare, plan and implement resiliency.
- Discuss barriers to implementation and identify solutions.
- Identify appropriate department and agencies roles and responsibilities for actionable items.
- Increase the ability of local and regional stakeholders to implement resiliency and climate adaptation strategies across disciplines.

