



MEETING NOTICE & AGENDA

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

DATE: Wednesday, May 13, 2015

TIME: 3:00 PM

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

Mr. Robert "Bob" Storke, Chairman

AGENDA

- I. **CALL TO ORDER/ROLL CALL/DETERMINATION OF QUORUM/PLEDGE OF ALLEGIANCE**
- II. **PUBLIC COMMENT/PARTICIPATION** (*Length of time at the discretion of the Chairman*)
- III. **ACTION ITEMS**
 - A. **REVIEW AND APPROVAL OF APRIL 8, 2015 BPAC MEETING MINUTES**
(*Contact: Pamela Blankenship*) (*Enclosure, pages 3-10*)
 - B. **REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2015-09 ADOPTING THE REGIONAL TRAILS CORRIDOR ASSESSMENT (RTCA) REPORT** (*Contact: Stephan Harris/Jean Parlow*) (*Enclosure, pages 11-13*)
 - C. **REVIEW AND RECOMMEND APPROVAL OF RESOLUTION 2015-## AMENDING THE FY 2014/15 - 2018/19 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**
(*Contact: Robert Keeth*) (*Enclosure, pages 14-21*)

IV. PRESENTATIONS AND DISCUSSION ITEMS

- A. PRESENTATION ON VOLUSIA COUNTY'S NATIONAL TRAILS DAY CELEBRATION**
(Contact: Aaron Van Kleeck, Volusia County Parks, Recreation & Culture) (Enclosure, pages 22-23)
- B. PRESENTATION ON THE FDOT, DISTRICT 5 BICYCLE AND PEDESTRIAN COUNT PROGRAM**
(Contact: Deborah Tyrone, FDOT) (Enclosure, pages 24-50)
- C. PRESENTATION ON THE 2040 LONG RANGE TRANSPORTATION PLAN (LRTP) CONGESTION MANAGEMENT PROCESS**
(Contact: Jean Parlow) (Enclosure, page 51)
- D. PRESENTATION ON THE DRAFT LISTS OF PRIORITIZED BICYCLE/PEDESTRIAN AND REGIONAL TRAIL PROJECTS**
(Contact: Stephan Harris) (Enclosure, pages 52-60)

V. STAFF COMMENTS *(Enclosure, page 61)*

VI. INFORMATION ITEMS *(Enclosures, pages 61-68)*

- **BPAC Attendance Record**
- **BPAC Project Review Subcommittee Report**
- **FDEP Trails and Tourism Flyer**
- **National Bike Month Flyer**
- **TPO Board Meeting Report**

VII. BPAC MEMBER COMMENTS *(Enclosure, page 61)*

VIII. ADJOURNMENT *(Enclosure, page 61)*

*****The next meeting of the BPAC will be on Wednesday, June 10, 2015*****

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

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

NOTE: The River to Sea TPO does not discriminate in any of its programs or services. To learn more about our commitment to nondiscrimination and diversity, visit our Title VI page at www.R2CTPO.org or contact our Title VI/Nondiscrimination Coordinator, Pamela Blankenship, at 386-226-0422, extension 20416, or pblankenship@r2ctpo.org.

**SUMMARY SHEET
BPAC
MAY 13, 2015**

III. Action Items

A) Review and Approval of April 8, 2015 BPAC Meeting Minutes

Background Information:

Minutes are prepared for each meeting and must be approved by the BPAC. The April 8, 2015 BPAC meeting minutes are provided with this agenda packet for your review.

Action Requested:

Motion to approve the April 8, 2015 BPAC meeting minutes

**Bicycle/Pedestrian Advisory Committee (BPAC)
Meeting Minutes
April 8, 2015**

Members Present:

Doug Hall
Jeff Hodge
Ted Wendler
Scott Leisen
Michelle Grenham
John Kerr/Dustin Savage
Nic Mostert, Vice Chairman
Bob Storke, Chairman
Phyllis Campbell
Colleen Nicoulin
Jason Aufdenberg
Kevin Phelps
Alice Haldeman
Bill Pouzar

Non-Voting Technical Appointees Present:

Doug Gutierrez
Gwen Perney
Melissa Winsett
Deborah Tyrone

Members/Technical Appointees Absent:

John Schmitz (excused)
Paul Eik (excused)
Pamela Masters
Patricia Lipovsky
John Cotton (excused)
Bob Owens
Jessie Clark (excused)

Others Present:

Pamela Blankenship, Recording Secretary
Stephan Harris
Robert Keeth
Heather Blanck
Paolo Baez
Jeremiah Owens
Nancy Burgess-Hall
Beth Pierce
Matt Boerger

Representing:

Daytona Beach
DeBary
DeLand
Deltona
Edgewater
Flagler County
New Smyrna Beach
Orange City
Ponce Inlet
Port Orange
Volusia County, At Large
Volusia County, District 1
Volusia County, District 3
Volusia County, District 5

Representing:

Flagler County
Port Orange
Volusia County
FDOT

Representing:

Daytona Beach Shores
Flagler Beach
South Daytona
Volusia County, District 2
Votran
Flagler County Transit
Volusia County School Board

Representing:

TPO Staff
TPO Staff
TPO Staff
Votran
Votran/Tindale-Oliver
CPH
Halifax Council of the Blind
Bunnell
DeBary

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

The meeting of the River to Sea Transportation Planning Organization (TPO) Bicycle/Pedestrian Advisory Committee (BPAC) was called to order at 3:04 p.m. by Chairman Robert Storke. The roll was called and it was determined that a quorum was present.

II. New BPAC Member Introduction

Chairman Storke introduced Mr. Jeff Hodge, DeBary and Mr. Dustin Savage, Flagler County Alternate.

III. Public Comment/Participation

There were no public comments.

IV. Action Items

A. Review and Approval of February 11, 2015 BPAC Meeting Minutes

Motion: A motion was made by Ms. Nicoulin to approve the February 11, 2015 BPAC meeting minutes. The motion was seconded by Ms. Campbell and carried unanimously.

B. Review and Approval of Regional Trails Corridor Assessment (RTCA) Gap Segment Design Concepts

Mr. Harris stated that on February 25, 2015, the Regional Trails Corridor (RTC) Subcommittee met and reviewed the design concepts that RS&H presented. Ms. Nicoulin was elected chair of the RTC Subcommittee. Mr. Harris noted that all of the draft concepts were included in the agenda and he proceeded to review each of them.

Ms. Nicoulin stated that the RTC Subcommittee had agreed to include the gap segments in the plan subject to correspondence/agreement with the elected officials.

Mr. Harris noted that RS&H has produced a draft of the report which will go to the advisory committees and TPO Board for review and approval later this month.

Mr. Aufdenberg stated that one of the products of the assessment is to include general Geographic Information Systems (GIS) data. He noted that there were telephone poles in the sidewalk in Ormond Beach and asked if that type of information would be included in the report.

Mr. Harris responded that it would be in the report. Once the report is adopted the GIS files will be submitted to the Office of Greenways and Trails (OGT) which is in the process of updating their maps of trail corridors. The TPO has already received applications from some

municipalities requesting funding of feasibility studies as well as implementation of regional trails that go through their areas.

Motion: A motion was made by Mr. Kerr to approve the Regional Trails Corridor Assessment (RTCA) gap segment design concepts as presented. The motion was seconded by Mr. Mostert and carried unanimously.

C. Review and Recommend Approval of Resolution 2015-## Amending the FY 2014/15 – 2018/19 Transportation Improvement Program (TIP)

Mr. Keeth stated that the TIP amendment includes ten projects which he reviewed. He explained that they had all been requested by FDOT and most of them did not have any phases funded before FY 15/16; however, the current TIP still needs to be amended because they are safety projects that FDOT would like to move quickly. In addition, during the period of July 1 to October 1, the federal government looks to the old TIP rather than the new one because their fiscal year does not begin until October 1. There are three additional projects to be included in the TIP amendment that were not included in the agenda. These projects were approved in a TIP amendment back in January. They include the Halifax River Greenway Riverfront and Palmetto sections and the Daytona Beach Wayfinding Signs projects. When these were originally adopted in January it was prior to them being included in FDOT's Work Program and FDOT advised that FHWA does not like the TIP to be amended before a project is included in the Work Program; therefore, they need to be approved again.

Mr. Harris noted that the three additional projects came up after the BPAC agenda had been distributed.

Motion: A motion was made by Ms. Grenham to recommend approval of Resolution 2015-## amending the FY 2014/15 – 2018/19 Transportation Improvement Program (TIP) including the three additional projects (Halifax River Greenway Riverfront and Palmetto sections and the Daytona Beach Wayfinding Signs projects). The motion was seconded by Mr. Hall and carried unanimously.

V. Presentation and Discussion Items

A. Presentation on the 2015 National Bicycle Summit

Mr. Jason Aufdenberg gave a video and PowerPoint presentation on the 2015 National Bicycle Summit. He reviewed two acts that are being worked on: the Transportation Alternative Program (TAP) Improvement Act and the Vision Zero Act.

B. Presentation on the US 17/92 (DeBary) Transit Oriented Development Bicycle/Pedestrian Trail Feasibility Study

Mr. Jeremy Owens, CPH Engineers, gave a PowerPoint presentation on the US 17/92 Transit-Oriented Development Bicycle/Pedestrian Trail Feasibility Study. He introduced Mr. Matt Boerger, DeBary's Planning Administrator.

Mr. Hodge stated that at some point there would be development between the SunRail station and Dirksen Drive. He asked if any thought had been given to building a pedestrian bridge at that location if a traffic light is not installed.

Mr. Owens responded that it had been discussed during the planning activities but it was cost prohibitive at that location because of two sets of overhead transmission lines that would have to be placed underground; it would triple the cost.

C. Presentation on Volusia County Transit Development Design Guidelines

[Handout provided]

Ms. Heather Blanck, Votran Assistant General Manager for Marketing and Customer Service, introduced Ms. Paola Baez, Tindale-Oliver & Associates. Ms. Baez gave a PowerPoint presentation on the Volusia County Transit Development Design Guidelines. She explained that there was a survey the members would be receiving and that they were seeking feedback on it from the members by the end of the month.

Ms. Nicoulin asked how the guidelines would be implemented; would Votran get involved in the review process or will each municipality be expected to implement the guidelines?

Ms. Blanck responded that Votran encourages city and county planning staff to participate with Votran as appropriate according to the checklist guidelines. The checklist is available on Votran's website.

Ms. Nicoulin added that some municipalities let the consultants know when they need to coordinate with Votran but some cities do not until it is late in the game. She noted that she did not know if there would be a standard as to how the guidelines would be implemented and applied.

Ms. Baez stated that they hoped that the document would provide that guidance.

Discussion continued.

Ms. Blanck requested that any comments on the survey be sent to her, Ms. LaChant Barnett, Tindale-Oliver or Ms. Paola Baez. She asked for comments about the draft survey and recommended that the members think about what outcomes can realistically be expected.

D. Presentation on Buses and Bicycles Sharing the Road

Mr. Harris provided a video presentation on buses and bicycles sharing the road. The video was created as a joint project between the Chicago Transit Authority and the Illinois Department of Transportation (IDOT).

Mr. Aufdenberg asked if there were any statistics on how many people use bikes on the buses.

Ms. Blanck replied that there were about 8,000 bicycles a month on Votran buses.

Mr. Aufdenberg suggested that Votran develop a video that would help people learn how to use the bike racks that are on the buses.

Ms. Blanck noted that Votran has been looking at some of the videos that are available would like to put something like that on their website.

E. Discussion of the 2040 Long Range Transportation Plan (LRTP) Bicycle & Pedestrian Section

Mr. Harris stated that there will be a section on bicycle/pedestrian transportation in the 2040 Long Range Transportation Plan (LRTP). In the last LRTP, the section included policy, bicycle/pedestrian crash statistics, funding, the subcommittee, as well as other topics. He stated he would like to get a sense of what the members would like to see in this section of the document. The last LRTP was undertaken by the TPO staff; the consultant, Ghyabi & Associates, will be doing it this time.

Mr. Aufdenberg suggested including the Bicycle/Pedestrian Friendly Program checklist.

Mr. Mostert recommended disseminating information in respect to accidents.

Ms. Tyrone stated that from the FDOT perspective, it would be helpful to include in the plan any need for additional width for pedestrian facilities. She added it would be a good idea to include something with bicycle and pedestrian data collection that the TPOs can begin doing to justify and request larger facilities. FDOT is looking at doing something like that.

Mr. Aufdenberg recommended having developers consider pedestrian generators and accommodating that.

Ms. Nicoulin should include additional width for bike lanes as well as bike paths.

Mr. Hall stated that developers should be pushed to put in sidewalks and bicycle paths.

Ms. Nicoulin noted that some of that falls on the local municipality; making sure it is in the code. She added that there should be coordination with the local municipalities to make sure those requirements are in their codes.

Mr. Hall added that the issue of transportation and buses affect bicycle and pedestrian uses.

Discussion continued.

VI. Staff Comments

Mr. Harris stated that the TPO's annual call for projects has been closed and many applications were received. The BPAC Project Review Subcommittee will be meeting on April 23, 2015 to evaluate and score the applications. Because there are so many applications, it is unlikely that the subcommittee will be able to finish on that day. In the past, the TPO has sent out a follow up meeting notice; however, this time there will be a meeting scheduled for April 30, 2015 as well as April 23, 2015. Notices will be sent out for both dates. He added that there will be a presentation next month to the BPAC regarding the applications that were received.

Mr. Keeth stated that the TIP Subcommittee should be able to rank all of their projects and studies in one meeting.

VII. Information Items

- BPAC Attendance Record
- Regional Trails Corridor Subcommittee Report
- 2040 LRTP Subcommittee Reports
- Save the Date – Project Review Subcommittee Meeting
- TPO Board Meeting Report
- Volusia Transit Connector Study Meeting Notice

Chairman Storke noted that there would be three Volusia Transit Connector Study meetings and encouraged the members to attend one.

VIII. BPAC Member Comments

Ms. Tyrone stated that the SR 438 shoulder clearing would be completed this month. She requested the members contact her with any bicycle/pedestrian road-related issues. She added that FDOT will be adjusting the maintenance of traffic (MOT) on International Speedway Boulevard to include an on-road bicycle facility. She heard from Central Office that a data application is being purchased but she is unsure of the timeframe; partner agencies will have full access to the data. In September, FDOT participated in the Bicycle/Pedestrian count program which took place at US 92 and SR 5A, and US 1 and Madison Avenue, in Daytona Beach. She noted that the initial report was very simple and she would make it available to Mr. Harris to send to the members. They will be producing another report with more detailed information and the raw data is also available.

Mr. Harris asked if the report was finalized.

Ms. Tyrone responded that the initial report had been finished. She would share the electronic file with Mr. Harris.

Mr. Hall stated that the city of Ormond Beach has decided to participate in a bicycle/pedestrian awareness and enforcement activity. He suggested the members contact their cities/counties to encourage them to participate as well.

Mr. Aufdenberg stated that he had recently given a presentation at the public library that was not well attended due to the nice weather. A Cycling Savvy class will most likely happen in September with a community ride taking place at the end of the class.

IX. Adjournment

The BPAC meeting adjourned at 4:44 p.m.

River to Sea Transportation Planning Organization

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

CERTIFICATE:

The undersigned duly qualified and acting Recording Secretary of the River to Sea TPO certifies that the foregoing is a true and correct copy of the minutes of the April 8, 2015 regular meeting of the Bicycle/Pedestrian Advisory Committee (BPAC), approved and duly signed this 13th day of May 2015.

**Pamela C. Blankenship, Recording Secretary
River to Sea Transportation Planning Organization**

**SUMMARY SHEET
BPAC
MAY 13, 2015**

III. Action Items

B) Review and Recommend Approval of Resolution 2015-09 adopting the Regional Trails Corridor Assessment (RTCA) Report

Background Information:

The River to Sea TPO recognizes the importance of providing safe, efficient and accessible facilities as part of an integrated multi-modal transportation system. The TPO is undertaking the Regional Trails Corridor Assessment (RTCA) to better understand trail gaps and opportunities for new alignments to be included in the State of Florida Office of Greenways and Trails 2015 Opportunity Map Update. The goal of the RTCA is to enhance coordination and better position our region for future funding. RS&H, Inc. is the prime consultant for this study and Hoke Design, Inc. is the subconsultant assisting with this effort.

The TPO committees received presentations in September 2014 and February 2015 and public Stakeholder Workshops were held on September 29, 2014 and December 29, 2014. At the April 8, 2015 BPAC meeting, the committee approved the RTCA gap segment design concepts as presented.

The final draft RTCA report is accessible at the following link:

<https://www3.mydocsonline.com/Share.aspx?-227lsP%2B%2BZGNwrYGm1gswgunZA>

Action Requested:

Motion to recommend approval of Resolution 2015-09 adopting the Regional Trails Corridor Assessment (RTCA) Report

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2015-09

**RESOLUTION OF THE RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION
ADOPTING THE REGIONAL TRAILS CORRIDOR ASSESSMENT REPORT**

WHEREAS, the River to Sea 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 Transportation Planning Organization has developed a Regional Trails Corridor Assessment Report that has been provided for review by the general public, the River to Sea TPO's Advisory Committees and the River to Sea TPO Board.

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

1. River to Sea TPO Board and advisory committees have reviewed and endorsed the Regional Trails Corridor Assessment Report;
2. River to Sea Transportation Planning Organization's Regional Trails Corridor Assessment Report is hereby endorsed and adopted; and the
3. Chairman of the River to Sea TPO (or her designee) is hereby authorized and directed to submit the Regional Trails Corridor Assessment Report to the:
 - a. Florida Department of Transportation; and
 - b. Federal Transit Administration (FTA) (through the Florida Department of Transportation);
 - c. Federal Highway Administration (FHWA) (through the Florida Department of Transportation);
 - d. Florida Department of Environmental Protection, Division of Recreation and Parks, Office of Greenways & Trails;
 - e. Florida Greenways & Trails Foundation, Inc.;
 - f. East Central Florida Regional Planning Council; and the
 - g. Central Florida MPO Alliance

DONE AND RESOLVED at the regularly convened meeting of the River to Sea TPO held on the **27th** day of **May 2015**.

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

**VOLUSIA COUNTY COUNCIL MEMBER PAT PATTERSON
ACTING CHAIRMAN, 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 **May 27, 2015**.

ATTEST:

**PAMELA BLANKENSHIP, RECORDING SECRETARY
RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION**

**SUMMARY SHEET
BPAC
MAY 13, 2015**

III. Action Items

C) Review and Recommend Approval of Resolution 2015-## amending the FY 2014/15 – 2018/19 Transportation Improvement Program (TIP)

Background Information:

This proposed TIP amendment addresses the following projects:

1. FM # 4154343 – East Central Regional Rail Trail – Section 3 Construct Section 3 of a multi-use trail along abandoned rail line from Cow Creek to the Volusia-Brevard line. Project length: 14.33 miles.
2. FM # 4306781 – SR 5 (US 1) Resurfacing – Mill and repave US 1 (SR 5) from South Street to Magnolia/Shangrila Dr. Project Length: 8.1 miles.
3. FM # 4364341 – Spring to Spring Trail US 17/92 Seminole and Volusia County – Construct segment of Coast to Coast Trail from Wayside Park in Seminole County, over the St. Johns River Bridge (US 17-92), to Lake Monroe Park entrance and Spring to Spring Trail in Volusia County. Project length: 0.531 miles (0.113 miles in Volusia County). This project is included in the River to Sea TPO’s TIP for information purposes.

The proposed amendment is more fully described in the enclosed Resolution 2015-## and Attachment "A".

Action Requested:

Motion to recommend approval of Resolution 2015-## amending the FY 2014/15 – 2018/19 Transportation Improvement Program (TIP)

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2015-##

**RESOLUTION OF THE RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION
AMENDING THE FY 2014/15 TO FY 2018/19 TRANSPORTATION IMPROVEMENT PROGRAM
(TIP)**

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 designated urbanized area; and

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

WHEREAS, 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 requested the River to Sea TPO to amend the TIP as prescribed herein; and

WHEREAS, the River to Sea TPO has determined that it is in the public's interest to amend the adopted TIP to accommodate the requested amendments and to maintain consistency with FDOT's Five-Year Work Program;

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

1. River to Sea TPO's FY 2014/15 - FY 2018/19 TIP is hereby amended as described below and more particularly indicated in "Attachment A":
 - a. FM # 4154343 - East Central Regional Rail Trail - Section 3 – revise project limits and increase funding;
 - b. FM # 4306781 - SR 5 (US 1) Resurfacing – increase funding; and
 - c. FM # 4364341 - Spring to Spring Trail US 17/92 Seminole and Volusia County – add project for information purposes.

2. The Chairman of the River to Sea TPO (or his designee) is hereby authorized and directed to submit the FY 2014/15 to FY 2018/19 TIP as amended to the:
 - a. Florida Department of Transportation;
 - b. Federal Transit Administration (FTA) (through the Florida Department of Transportation); and the
 - c. Federal Highway Administration (FHWA) (through the Florida Department of Transportation).

DONE AND RESOLVED at the regular meeting of the River to Sea TPO held on the 27th day of May 2015.

RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION

**VOLUSIA COUNTY COUNCIL MEMBER PAT PATTERSON
ACTING CHAIRMAN, 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 May 27, 2015.

ATTEST:

**PAMELA C. BLANKENSHIP, RECORDING SECRETARY
RIVER TO SEA TRANSPORTATION PLANNING ORGANIZATION**

ATTACHMENT “A”

Resolution 2015-##

Amending the

FY 2014/15 to FY 2018/19

Transportation Improvement Program (TIP)

May 27, 2015



{Strike through indicates deletion; underline indicates addition.}

FM # 4154343 - East Central Regional Rail Trail - Section 3

From: ~~MAGLEV Site Cow Creek~~

To: Brevard County line

Work Mix: BIKE PATH/TRAIL

County: Volusia

<u>Phase</u>	<u>Fund</u>	<u>FY 2014/15</u>	<u>FY 2015/16</u>	<u>FY 2016/17</u>	<u>FY 2017/18</u>	<u>FY 2018/19</u>	<u>Total</u>
CST	ACTA	-1,160,373	0	0	0	0	-1,160,373
CST	ACTU	-439,627	0	0	0	0	-439,627
CST	DIOH	-213,955	0	0	0	0	-213,955
CST	SA	-1,032,119	0	0	0	0	-1,032,119
CST	TALT	-3,552,277	0	0	0	0	-3,552,277
CST	TALU	-439,604	0	0	0	0	-439,604
CEI	DIOH	-382	0	0	0	0	-382
CEI	LF	-500,000	0	0	0	0	-500,000
CEI	SA	-5,000	0	0	0	0	-5,000
<u>CST</u>	<u>ACTA</u>	<u>439,258</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>439,258</u>
<u>CST</u>	<u>ACTU</u>	<u>552,472</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>552,472</u>
<u>CST</u>	<u>LF</u>	<u>1,372,767</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,372,767</u>
<u>CST</u>	<u>SA</u>	<u>1,042,119</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,042,119</u>
<u>CST</u>	<u>SE</u>	<u>716,115</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>716,115</u>
<u>CST</u>	<u>TALT</u>	<u>4,388,561</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>4,388,561</u>
<u>CST</u>	<u>TALU</u>	<u>326,759</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>326,759</u>
<u>CEI</u>	<u>LF</u>	<u>985,088</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>985,088</u>
<u>CEI</u>	<u>SA</u>	<u>5,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5,000</u>
		<u>9,828,139</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>9,828,139</u>
		<u>-7,343,337</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>-7,343,337</u>

Description: Construct Section 3 of a multi-use trail along abandoned rail line SR 415 and the Volusia-Brevard County line. Project length: 14.33 miles.
(Reference 2035 Long Range Transportation Plan, pgs 63-73.)

{~~Strike through~~ indicates deletion; underline indicates addition.}

Construct Section 3 of a multi-use trail along abandoned rail line from Cow Creek to the Volusia-Brevard County line. Project length: 14.33 miles. (Reference 2035 Long Range Transportation Plan, pgs 63-73.)

Comment: Revise project limits and increase funding.

{Strike through indicates deletion; underline indicates addition.}

FM # 4306781 - SR 5 (US 1) Resurfacing

From: South St

To: Magnolia/Shangrila Dr

Work Mix: RESURFACING

County: Volusia

<u>Phase</u>	<u>Fund</u>	<u>FY 2014/15</u>	<u>FY 2015/16</u>	<u>FY 2016/17</u>	<u>FY 2017/18</u>	<u>FY 2018/19</u>	<u>Total</u>
PE	DS	-210,000	0	0	0	0	-210,000
CST	DDR	0	-2,055,600	0	0	0	-2,055,600
CST	DS	0	-2,568,366	0	0	0	-2,568,366
CST	SA	0	-3,397,436	0	0	0	-3,397,436
CEI	DS	0	-5,300	0	0	0	-5,300
CEI	SA	0	-69,430	0	0	0	-69,430
PE	DS	<u>210,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>210,000</u>
CST	DDR	<u>0</u>	<u>2,862,406</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2,862,406</u>
CST	DS	<u>0</u>	<u>2,093,520</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2,093,520</u>
CST	SA	<u>0</u>	<u>5,204,727</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5,204,727</u>
CEI	DS	<u>0</u>	<u>10,270</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>10,270</u>
CEI	SA	<u>0</u>	<u>67,269</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>67,269</u>
		<u><u>210,000</u></u>	<u><u>10,238,192</u></u>	<u><u>0</u></u>	<u><u>0</u></u>	<u><u>0</u></u>	<u><u>10,448,192</u></u>
		<u><u>-210,000</u></u>	<u><u>-8,096,132</u></u>	<u><u>0</u></u>	<u><u>0</u></u>	<u><u>0</u></u>	<u><u>-8,306,132</u></u>

Description: Mill and repave US 1 (SR 5) from South Street to Magnolia/Shangrila Dr. Project length: 8.1 miles. (Reference 2035 Long Range Transportation Plan, Planning Factors, pg 10.)

Comment: Increase funding.

{Strike through indicates deletion; underline indicates addition.}

FM # 4364341 - Spring to Spring Trail US 17/92 Seminole and Volusia County

From:

To:

Work Mix:

County: Seminole and Volusia

<u>Phase</u>	<u>Fund</u>	<u>FY 2014/15</u>	<u>FY 2015/16</u>	<u>FY 2016/17</u>	<u>FY 2017/18</u>	<u>FY 2018/19</u>	<u>Total</u>
PE	DDR	682,000	0	0	0	0	682,000
PE	DIH	10,000	0	0	0	0	10,000
PE	DIOH	28,289	0	0	0	0	28,289
CST	DDR	0	0	0	1,186,900	0	1,186,900
CST	DIOH	0	0	0	38,456	0	38,456
CEI	DDR	0	0	0	134,713	0	134,713
CEI	DIH	0	0	0	13,471	0	13,471
CEI	DIOH	0	0	0	5,527	0	5,527
		<u>720,289</u>	<u>0</u>	<u>0</u>	<u>1,379,067</u>	<u>0</u>	<u>2,099,356</u>

Description:

Construct segment of Coast to Coast Trail from Wayside Park in Seminole County, over the St Johns River Bridge (US 92), to Lake Monroe Park Entrance and Spring to Spring Trail in Volusia County. Project length: 0.531 miles (0.113 miles in Volusia County). This project is included in the River to Sea TPO's TIP for information purposes.

Comment: Add project for information purposes.

**SUMMARY SHEET
BPAC
MAY 13, 2015**

IV. Presentations and Discussion Items

A) Presentation on Volusia County's National Trails Day Celebration

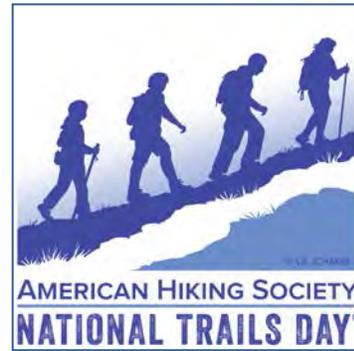
Background Information:

The first Saturday in June is designated as National Trails Day in the United States. Every year on that day, more than a million hikers, bikers, equestrians and others take part in thousands of events nationwide in celebration of America's trails. These events include new trail dedications, workshops, educational exhibits, equestrian and mountain bike rides, rollerblading, trail maintenance and hikes on America's favorite trails.

National Trails Day is organized nationwide by the American Hiking Society, a national non-profit trail advocacy group based in Washington, DC. All events, however, are planned and carried out at the local level by conservation and recreation organizations, trail clubs and land managing agencies. Originally established in 1993, National Trails Day has grown to approximately 3,000 events across the country.

Action Requested:

No action is required unless otherwise directed by the BPAC



SAVE THE DATE

**June 7, 2015 at 37 Dirksen Dr.
Gemini Springs Park in Debarry,
7 AM to 10:00 AM**

Join us for National Trails Day!

For the eleventh year in a row, Volusia County Parks, Recreation & Culture will be hosting National Trails Day. This event is a celebration of our trails and the health and other benefits derived from Volusia County's growing trails system. We want to promote the health, recreational, conservation and economic benefits that we all can receive from our trails

Our National Trails Day celebration will be held **June 7, 2015 at Gemini Springs Park 37 Dirksen Dr. The event will run from 7 am to 10:00 am** and will feature information booths, children's activities, a nature hike, a walking tour, bicycle helmet giveaways and more.

Please join us and the American Hiking Association to celebrate National Trails Day. We have spaces available free of charge. Bring your own tent, table, and chairs to the event and promote your business or club. Let me know if you will have give away items or want to offer information, or classes, or product demonstrations.

If you would like to participate; please contact Aaron Van Kleeck, Trails Coordinator, at (386) 736-5953, extension 16766 or via email at avankleek@volusia.org by May 22, 2015 to reserve your space. Happy Trails and I hope to see you there!

**SUMMARY SHEET
BPAC
MAY 13, 2015**

IV. Presentations and Discussion Items

B) Presentation on the FDOT, District 5 Bicycle and Pedestrian Count Program

Background Information:

The FDOT Bicycle and Pedestrian Count Program is an initiative to expand the locations of bicycle and pedestrian counts within the District 5 area. In September 2014, the initiative was coordinated with the National Bicycle and Pedestrian Documentation Project. The project, co-sponsored by the Institute of Transportation Engineers and Alta Planning and Design, is a nationwide effort to collect consistent bicycle and pedestrian traffic data. The project goals are to establish a consistent framework for bicycle and pedestrian traffic counts and create a national database of bicycle and pedestrian count information. FDOT selected the following eight intersections throughout District 5 to be included in the data collection efforts:

1. SR 436 (Semoran Blvd.) and Old Cheney Highway in Orlando
2. SR 436 (Semoran Blvd.) and Curry Ford Road in Orlando
3. SR 50 (Colonial Blvd.) and Alafaya Trail in Orlando
4. SR 438 (Silver Star Road) and CR 431 (North Pine Hills Road) in Orlando
5. US 92 (International Speedway Blvd.) and SR 5A (Nova Road) in Daytona Beach
6. US 1 (North Ridgewood Avenue) and Madison Avenue in Daytona Beach
7. US 1 (South Harbor City Blvd.) and US 192 (East Strawbridge Avenue) in Melbourne
8. US 192 (Vine Street) and US 17-92 in Kissimmee

SR 436 (Semoran Blvd.) from SR 50 (Colonial Drive) to Old Cheney Highway in Orlando was selected to be monitored for mid-block crossings.

Action Requested:

No action is required unless otherwise directed by the BPAC



District 5 | Modal Developmental Office

Bicycle and Pedestrian Count Program

(2014 Updates)



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PURPOSE

The purpose of this project is to expand the locations of bicycle and pedestrian traffic counts to include strategic locations throughout the Florida Department of Transportation, District Five area. The September 2014 effort will be the District's first participation in the National Bicycle and Pedestrian Documentation Project and will create a baseline for bicycle and pedestrian counts.

BACKGROUND

Data on bicycle and pedestrian traffic counts are needed to quantify usage and potential demand for alternative transportation facilities. The National Bicycle and Pedestrian Documentation Project (NBPDP), co-sponsored by the Institute of Transportation Engineers (ITE) and Alta Planning and Design, is a nationwide effort to collect consistent bicycle and pedestrian traffic data. The goals of the project are to establish a consistent framework for bicycle and pedestrian traffic counts and a national database of count information. An official national survey is conducted annually in September with additional seasonal counts in May and July of 2015. MetroPlan Orlando, the Metropolitan Planning Organization for Seminole, Orange and Osceola Counties, participated in the January 2014 National Bicycle and Pedestrian Documentation Project. Eight (8) study intersections and one (1) roadway segment, which are listed in the table below, were monitored on this inaugural count. MetroPlan Orlando selected locations in close proximity to the SunRail stations in order to collect data prior to the initiation of commuter rail service. This FDOT effort may include locations represented in the MetroPlan Orlando project.

DATA COLLECTION

As stated above, the purpose of this project is to expand the locations of bicycle and pedestrian counts to include strategic locations throughout District Five. The District selected the following intersections to be included in the data collection efforts:

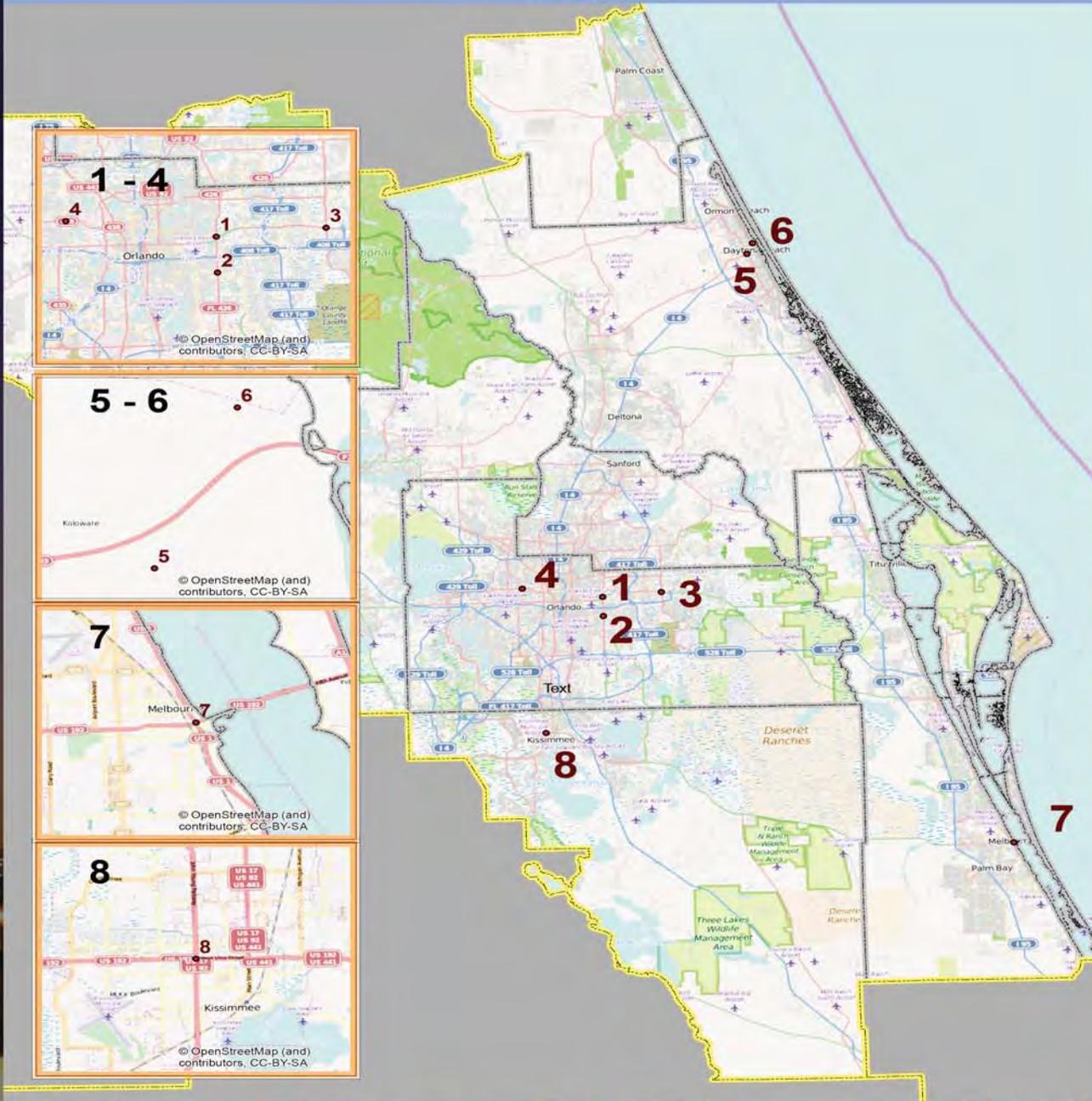
1. State Road 436 (Semoran Blvd) and Old Cheney Hwy - Orlando
2. State Road 436 (Semoran Blvd) and Curry Ford Road - Orlando
3. State Road 50 (Colonial Blvd) and Alafaya Trail – Orlando
4. State Road 438 (Silver Star Road) and County Road 431 (N Pine Hills Road) - Orlando
5. US 92 (International Speedway Blvd) and State Road 5A (Nova Road) – Daytona Beach
6. US 1 (N Ridgewood Avenue) and Madison Avenue – Daytona Beach
7. US 1 (S Harbor City Blvd) and US 192 (E Strawbridge Avenue) - Melbourne
8. US 192 (Vine St) and US 17/92 - Kissimmee

The following roadway segment was selected by District Five to be monitored for mid-block crossings:

1. State Road 436 (Semoran Blvd) from State Road 50 (Colonial Drive) to Old Cheney Hwy – Orlando.

These locations are represented graphically in the following location map figure.

District Location Map



District 5 Modal Developmental Office

Locations

- 1) State Road 436 (Semoran Blvd.)
From: State Road 50 (Colonian Dr.)
To: Old Cheney Hwy.
City: Orlando
- 2) State Road 436 (Semoran Blvd.) and
Curry Ford Road
City: Orlando
- 3) State Road 50 (Colonial Dr.) and
State Road 434 (Alafaya Trail)
City: Orlando
- 4) State Road 438 (Silver Star Rd.) and
County Road 431 (N. Pine Hills Rd.)
City: Orlando
- 5) US 92 (International Speedway Blvd.) and
State Road 5A (Nova Rd.)
City: Daytona Beach
- 6) US 1 (N Ridgewood Ave.) and Madison Ave.
City: Daytona Beach
- 7) US 1 (S Harbor City Blvd.) and
US 192 (E. Strawbridge Ave.)
City: Melbourne
- 8) US 192 (Vine St.) and US 17/92
City: Kissimmee

Data collection was conducted in September 2014 and consisted of 72 hour weekday counts (Tuesday-Thursday) and 48 hour weekend counts (Saturday-Sunday). Directional counts on each intersection leg were conducted and categorized as follows:

- ◆ Pedestrian
 - ▲ Pedestrian with ADA Device (Walker, Crutches or Mobility Device)
 - ▲ Pedestrian General (Runner, Walker)
- ◆ Cyclist
 - ▲ Cyclist on Sidewalk
 - ▲ Cyclist on Roadway
- ◆ Other (Skateboards, Rollerblades, Scooters, or other modes of human powered transportation devices that are not bicycles).

Weather conditions for each 15 minute period of the Weekday and Weekend count periods were collected and recorded. The weather conditions were categorized by either daytime or nighttime and dry or wet roadway conditions.

The data was collected by filming each intersection for each 72 hour and 48 hour period. Two cameras were used at two opposing corners of each intersection in order to capture all pedestrian movements within the vicinity of the intersection. The videos were then counted off site and used for data verification.

The roadway segment of State Road 436 (Semoran Blvd) from State Road 50 (Colonial Drive) to Old Cheney Hwy was monitored for mid-block crossings. Due to the surrounding land uses, this roadway segment experiences a high number of pedestrians. There are also two major Bus Stops located within this segment. In order to quantify the pedestrian movements, counts were done along segments of this corridor as illustrated in the report. A Weekday and Weekend Day average were calculated and compared against the hourly volumes as reported in the 2013 FDOT Florida Traffic Information Data.

REPORTING

For displaying the information/data, two types of reports were generated. The summary reports (Figures provided below) identify the total numbers of a specific pedestrian user category based on the average weekday and weekend day for each intersection. The second report, provided within the electronic Appendix, shows the detailed movement data for each 24 hour period of data collection at each intersection. The peak hour(s) of pedestrian movements at each intersection are highlighted in yellow.

Data collected at State Road 436 (Semoran Blvd) from State Road 50 (Colonial Drive) to Old Cheney Hwy was summarized as 24 hour averages for both weekday and weekend periods. During the Peak Hours, it was noted that there was a high rate of pedestrians crossing at various, un-protected, locations. This is a very dangerous movement as the existing roadway cross section is a seven (7) lane section with a 5 foot sidewalk at the edge of pavement. As shown in the figures below for the four segments of the corridor, the data is reported by the amount of pedestrian and bicycle traffic for the Eastbound and Westbound movements

across SR 436 (Semoran Boulevard) in hourly sums. The peak hours of pedestrian movements are highlighted in red and blue for the segment of SR 436,

Attached within the electronic appendices are the 24 hour detailed movement data reports. These reports are generated for both wet and dry conditions for each 24 hour period of data collection at each intersection.

CONCLUSION

In conclusion, a total of 1,480 pedestrians and cyclists were counted during the Weekday period, and 1,201 pedestrians and cyclists were counted during the Weekend period at the intersections included in this study. Table 1 below summarizes the pedestrian and bicycle averages at each intersection for the weekday and weekend period.

Table 1: Weekday and Weekend Pedestrian and Bicycle Average Total

INTERSECTION		PED	ADA	BIKE	BIKE ON	BIKE ON	OTHER	TOTAL
					ROAD	SIDEWALK		
SR 436 @ Curry Ford Road	WEEKDAY	113	11	58	8	50	5	176
	WEEKEND	81	7	44	7	37	9	134
SR 436 @ Old Cheney Highway	WEEKDAY	147	6	60	16	44	11	218
	WEEKEND	108	4	44	7	37	0	152
SR 438 @ CR 431	WEEKDAY	159	7	42	9	33	7	208
	WEEKEND	102	1	39	2	37	6	147
SR 50 @ Alafaya Trail	WEEKDAY	99	6	76	18	58	4	179
	WEEKEND	91	2	58	4	54	1	150
US 1 @ Madison Avenue	WEEKDAY	156	7	90	28	62	7	253
	WEEKEND	94	7	70	36	34	1	165
US 1 @ US 192	WEEKDAY	35	1	47	14	33	0	82
	WEEKEND	31	1	27	8	19	0	58
US 192 @ US 17/92	WEEKDAY	144	8	63	10	53	1	208
	WEEKEND	89	7	45	5	40	0	134
US 92 @ SR 5A	WEEKDAY	81	6	73	23	50	2	156
	WEEKEND	81	1	56	19	37	3	140

A digital copy of the appendix containing the detailed data collected for this study was delivered with this report.

SR 436 - Section 1

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Weekday:

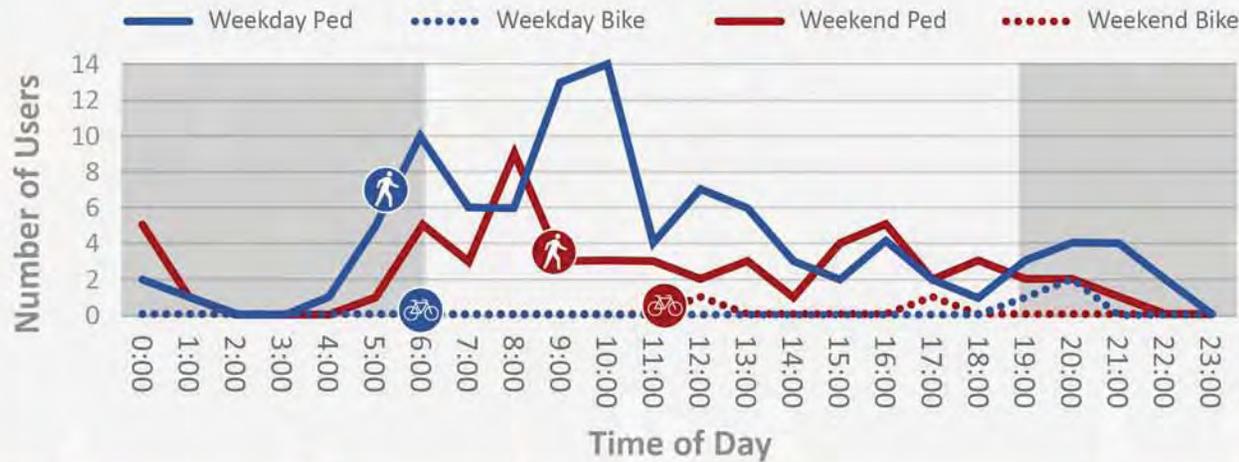
Peak Period: 10:00- 11:00
 Total Ped Peak: 14 Users
 Total Bike Peak: 0 Users
 Daily Total: 103 Users

Weekend:

Peak Period: 8:00- 9:00
 Total Ped Peak: 9 Users
 Total Bike Peak: 0 Users
 Daily Total: 60 Users

Time	Weekday						Weekend					
	Westbound		Eastbound		Total		Westbound		Eastbound		Total	
	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike
0:00	1	0	1	0	2	0	3	0	2	0	5	0
1:00	0	0	1	0	1	0	0	0	1	0	1	0
2:00	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	0	0	0	0
4:00	1	0	0	0	1	0	0	0	0	0	0	0
5:00	2	0	3	0	5	0	1	0	0	0	1	0
6:00	5	0	5	0	10	0	5	0	0	0	5	0
7:00	3	0	3	0	6	0	2	0	1	0	3	0
8:00	3	0	3	0	6	0	8	0	1	0	9	0
9:00	8	0	5	0	13	0	1	0	2	0	3	0
10:00	8	0	6	0	14	0	1	0	2	0	3	0
11:00	2	0	2	0	4	0	2	0	1	0	3	0
12:00	4	0	3	0	7	0	0	1	2	0	2	1
13:00	3	0	3	0	6	0	2	0	1	0	3	0
14:00	2	0	1	0	3	0	0	0	1	0	1	0
15:00	1	0	1	0	2	0	3	0	1	0	4	0
16:00	3	0	1	0	4	0	4	0	1	0	5	0
17:00	1	0	1	0	2	0	2	0	0	1	2	1
18:00	1	0	0	0	1	0	2	0	1	0	3	0
19:00	3	1	0	0	3	1	2	0	0	0	2	0
20:00	3	2	1	0	4	2	1	0	1	0	2	0
21:00	3	0	1	0	4	0	1	0	0	0	1	0
22:00	1	0	1	0	2	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0
Total	58	3	42	0	100	3	40	1	18	1	58	2

Average User Groups



District 5
 Modal Developmental Office



SR 436 - Section 2

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Weekday:

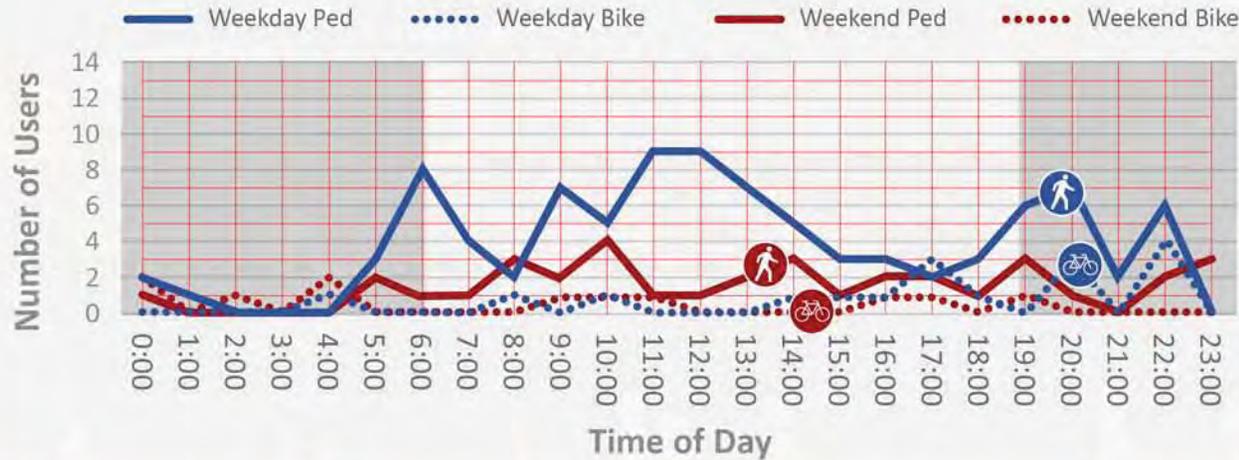
Peak Period: 20:00- 21:00
 22:00- 23:00
 Total Ped Peak: 7 Users
 Total Bike Peak: 4 Users
 Daily Total: 111 Users

Weekend:

Peak Period: 10:00- 11:00
 Total Ped Peak: 4 Users
 Total Bike Peak: 1 Users
 Daily Total: 47 Users

Time	Weekday						Weekend					
	Westbound		Eastbound		Total		Westbound		Eastbound		Total	
	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike
0:00	0	0	2	0	2	0	0	2	1	0	1	2
1:00	1	0	0	0	1	0	0	0	0	0	0	0
2:00	0	0	0	0	0	0	0	0	0	1	0	1
3:00	0	0	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	1	0	1	0	2	0	0	0	2
5:00	1	0	2	0	3	0	1	0	1	0	1	0
6:00	2	0	6	0	8	0	0	0	1	0	1	0
7:00	3	0	1	0	4	0	0	0	1	0	1	0
8:00	0	0	2	1	2	1	2	0	1	0	3	0
9:00	4	0	3	0	7	0	1	0	1	1	2	1
10:00	1	1	3	0	5	1	3	0	1	1	4	1
11:00	6	0	2	0	9	0	1	1	0	0	1	1
12:00	7	0	2	0	9	0	0	0	1	0	1	0
13:00	7	0	0	0	7	0	2	0	0	0	2	0
14:00	3	1	2	0	5	1	2	0	1	0	3	0
15:00	0	1	3	0	3	1	1	0	0	0	1	0
16:00	1	0	2	1	3	1	1	1	1	0	2	1
17:00	1	3	1	0	2	3	1	1	1	0	2	1
18:00	3	0	0	1	3	1	1	0	0	0	1	0
19:00	3	0	3	0	6	0	2	0	1	1	3	1
20:00	5	0	2	3	7	3	1	0	0	0	1	0
21:00	2	0	0	0	2	0	0	0	0	0	0	0
22:00	6	2	0	2	6	4	1	0	1	0	2	0
23:00	0	0	0	0	0	0	2	0	1	0	3	0
Total	56	8	38	9	94	17	22	7	14	4	36	11

Average User Groups



District 5
 Modal Developmental Office



SR 436 - Section 3

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Weekday:

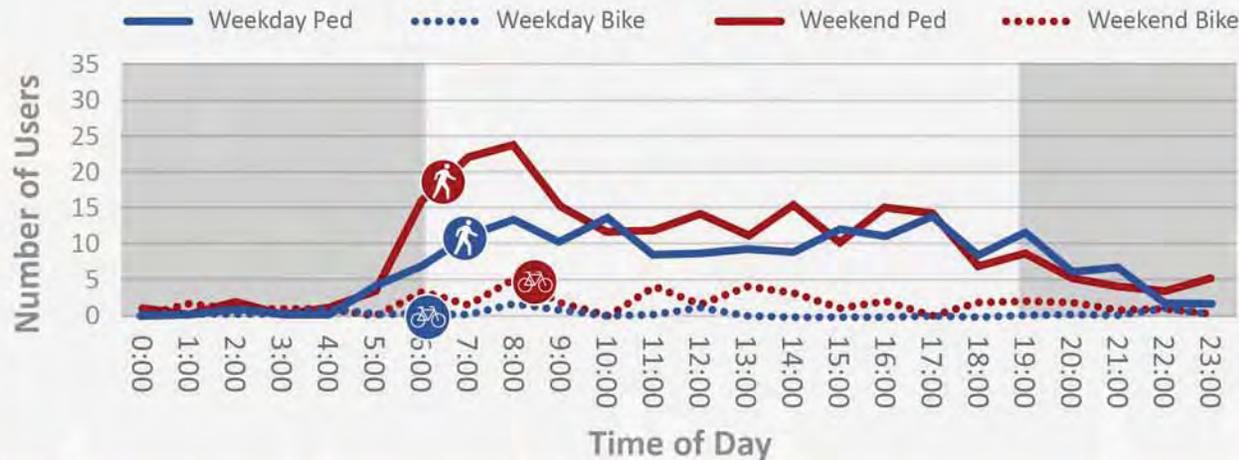
Peak Period: 8:00- 9:00
 Total Ped Peak: 13 Users
 Total Bike Peak: 2 Users
 Daily Total: 171 Users

Weekend:

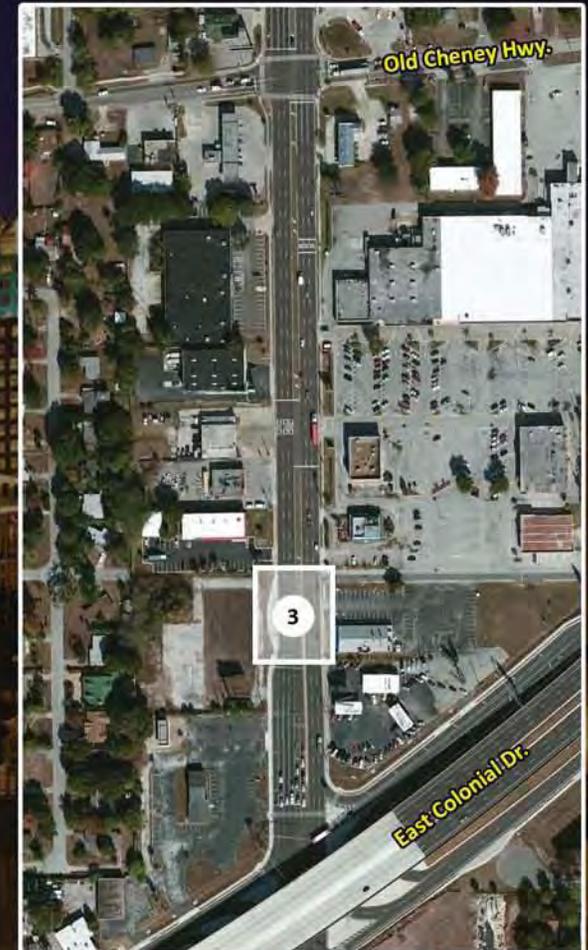
Peak Period: 8:00- 9:00
 Total Ped Peak: 21 Users
 Total Bike Peak: 5 Users
 Daily Total: 257 Users

Time	Weekday						Weekend					
	Westbound		Eastbound		Total		Westbound		Eastbound		Total	
	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike
0:00	0	0	0	0	0	0	1	0	0	0	1	0
1:00	0	0	0	0	0	0	0	0	0	2	0	2
2:00	1	0	0	0	1	0	1	0	1	1	2	1
3:00	0	0	0	0	0	0	0	0	0	1	0	1
4:00	0	0	0	1	0	1	1	0	0	1	1	1
5:00	1	0	3	0	4	0	1	0	2	0	3	0
6:00	1	0	6	0	7	0	2	0	14	3	16	3
7:00	4	0	7	0	11	0	4	0	18	2	22	2
8:00	6	1	7	1	13	2	5	1	16	4	21	5
9:00	5	0	5	1	10	1	2	0	13	2	15	2
10:00	8	0	5	0	13	0	5	0	7	0	12	0
11:00	3	0	5	0	8	0	5	2	7	2	12	4
12:00	4	1	4	0	8	1	9	1	5	1	14	2
13:00	6	0	3	0	9	0	5	1	6	3	11	4
14:00	5	0	3	0	8	0	6	1	9	2	15	3
15:00	7	0	5	0	12	0	3	0	7	1	10	1
16:00	6	0	5	0	11	0	5	0	10	2	15	2
17:00	9	0	4	0	13	0	3	0	11	0	14	0
18:00	6	0	2	0	8	0	3	0	4	2	7	2
19:00	7	0	5	0	12	0	3	0	5	2	8	2
20:00	3	0	3	0	6	0	0	0	5	2	5	2
21:00	6	0	1	0	7	0	1	0	3	1	4	1
22:00	2	1	0	0	2	1	0	0	3	1	3	1
23:00	1	0	1	0	2	0	1	0	4	0	5	0
Total	91	3	74	3	165	6	66	6	150	35	216	41

Average User Groups



District 5
 Modal Developmental Office



SR 436 - Section 4

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Weekday:

Peak Period: 10:00- 11:00
 15:00- 17:00

Total Ped Peak: 7 Users

Total Bike Peak: 1 Users

Daily Total: 95 Users

Weekend:

Peak Period: 13:00- 14:00

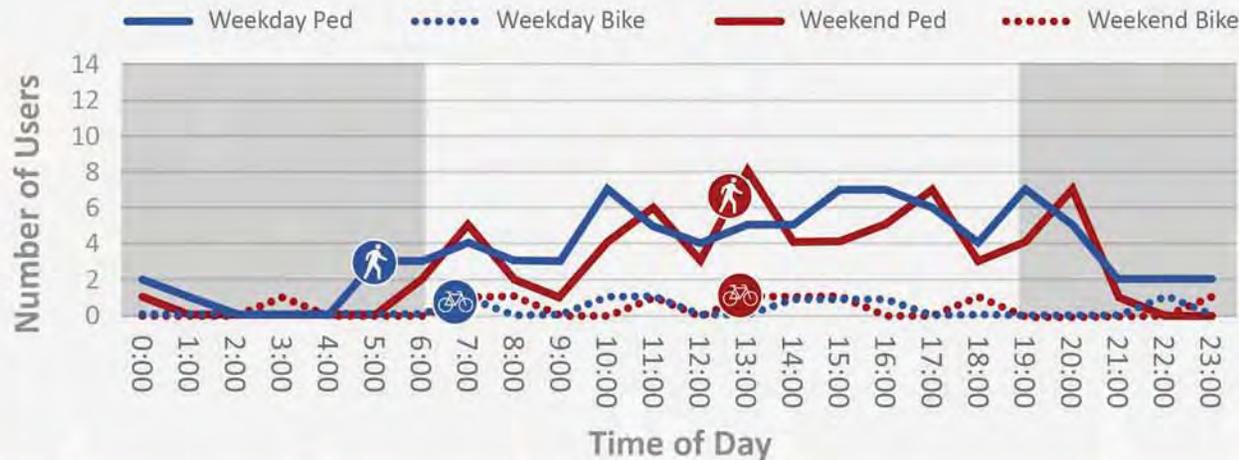
Total Ped Peak: 8 Users

Total Bike Peak: 1 Users

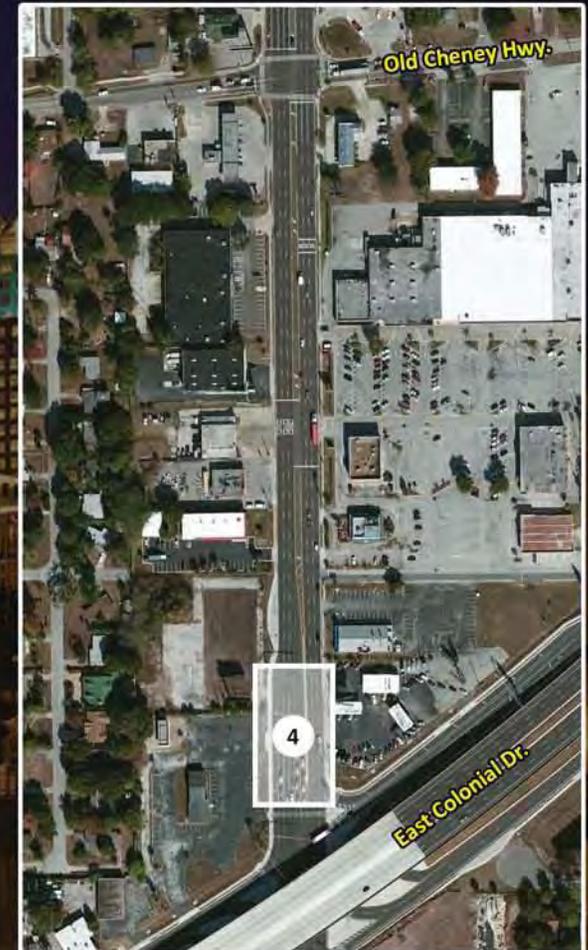
Daily Total: 76 Users

Time	Weekday						Weekend					
	Westbound		Eastbound		Total		Westbound		Eastbound		Total	
	Ped	Bike										
0:00	1	0	1	0	2	0	1	0	0	0	1	0
1:00	1	0	0	0	1	0	0	0	0	0	0	0
2:00	1	0	0	0	1	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	1	0	0	0	1
4:00	0	0	0	0	0	0	0	0	0	0	0	0
5:00	1	0	2	0	3	0	0	0	0	0	0	0
6:00	1	0	2	0	3	0	0	0	2	0	2	0
7:00	2	1	2	0	4	1	3	0	2	1	5	1
8:00	2	0	1	0	3	0	1	1	1	0	2	1
9:00	1	0	2	0	3	0	1	0	0	0	1	0
10:00	4	1	3	0	7	1	3	0	1	0	4	0
11:00	3	1	2	0	5	1	5	1	1	0	6	1
12:00	3	0	1	0	4	0	1	0	2	0	3	0
13:00	3	0	2	0	5	0	7	1	1	0	8	1
14:00	3	1	2	0	5	1	3	0	1	1	4	1
15:00	4	0	3	1	7	1	3	1	1	0	4	1
16:00	4	1	3	0	7	0	4	0	1	0	5	0
17:00	4	0	2	0	6	0	4	0	3	0	7	0
18:00	3	0	1	0	4	0	2	1	1	0	3	1
19:00	4	0	3	0	7	0	2	0	2	0	4	0
20:00	2	0	3	0	5	0	6	0	1	0	7	0
21:00	1	0	1	0	2	0	1	0	0	0	1	0
22:00	2	1	0	0	2	1	0	0	0	0	0	0
23:00	2	0	0	0	2	0	0	0	0	1	0	1
Total	52	6	36	1	88	7	47	6	20	3	67	9

Average User Groups



District 5
 Modal Developmental Office



SR 436 at Old Cheney Highway

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 10:00- 11:00
 Total Peak: 22 Users
 Daily Total: 218 Users

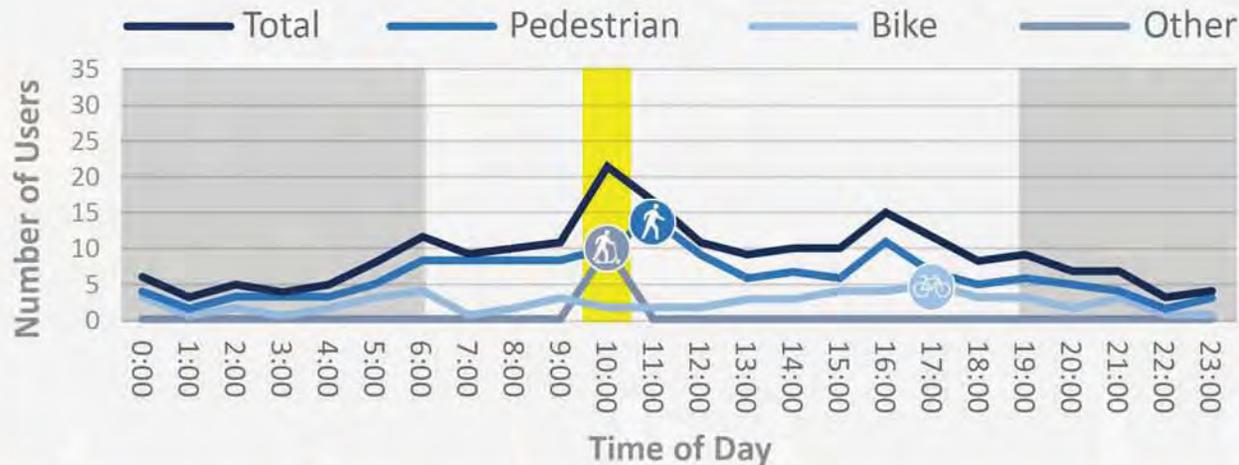
Time	Weekday*						Total Users
	Pedestrian Total	ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk	Other ²	
0:00	4	0	3	1	2	0	7
1:00	2	0	1	0	1	0	3
2:00	3	0	2	1	1	0	5
3:00	3	0	1	0	1	0	4
4:00	3	0	2	1	1	0	5
5:00	5	0	3	1	2	0	8
6:00	8	0	4	1	3	0	12
7:00	8	0	1	0	1	0	9
8:00	8	1	2	0	2	0	10
9:00	8	1	3	1	2	0	11
10:00	10	1	2	1	1	10	22
11:00	14	1	2	0	2	1	17
12:00	9	0	2	1	1	0	11
13:00	6	1	3	1	2	0	9
14:00	7	1	3	1	2	0	10
15:00	6	0	4	1	3	0	10
16:00	11	0	4	1	3	0	15
17:00	7	0	5	1	4	0	12
18:00	5	0	3	1	2	0	8
19:00	6	0	3	1	2	0	9
20:00	5	0	2	0	2	0	7
21:00	4	0	3	1	2	0	7
22:00	2	0	1	0	1	0	3
23:00	3	0	1	0	1	0	4
Total	147	6	60	16	44	11	218

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekday Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	11:00 - 12:00	14
Bike	17:00 - 18:00	5
Other	10:00 - 10:00	10

SR 436 at Old Cheney Highway

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 8:00- 9:00
 Total Peak: 12 Users
 Daily Total: 152 Users

Time	Pedestrian Total	Weekend*				Other ²	Total Users
		ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk		
0:00	3	0	2	0	2	0	5
1:00	3	0	2	0	2	0	5
2:00	1	0	1	0	1	0	2
3:00	1	0	1	0	1	0	2
4:00	3	0	2	1	1	0	5
5:00	3	0	0	0	0	0	3
6:00	3	0	1	0	1	0	4
7:00	9	0	1	0	1	0	10
8:00	9	0	3	1	2	0	12
9:00	6	0	3	0	3	0	9
10:00	4	0	1	0	1	0	5
11:00	9	1	1	0	1	0	10
12:00	7	1	3	1	2	0	10
13:00	6	1	2	0	2	0	8
14:00	4	0	2	0	2	0	6
15:00	4	0	1	0	1	0	5
16:00	6	0	3	1	2	0	9
17:00	8	1	2	1	1	0	10
18:00	3	0	3	1	2	0	6
19:00	5	0	4	1	3	0	9
20:00	4	0	1	0	1	0	5
21:00	3	0	1	0	1	0	4
22:00	3	0	1	0	1	0	4
23:00	1	0	3	0	3	0	4
Total	108	4	44	7	37	0	152

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekend Average User Group



Peak Volumes

	Interval(s)	Volume
	8:00 - 9:00	9
	19:00 - 20:00	4
	None	

SR 436 at Curry Ford Road

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Peak Periods: 11:00 - 12:00
 16:00 - 17:00

Total Peak: 13 Users
 Daily Total: 176 Users

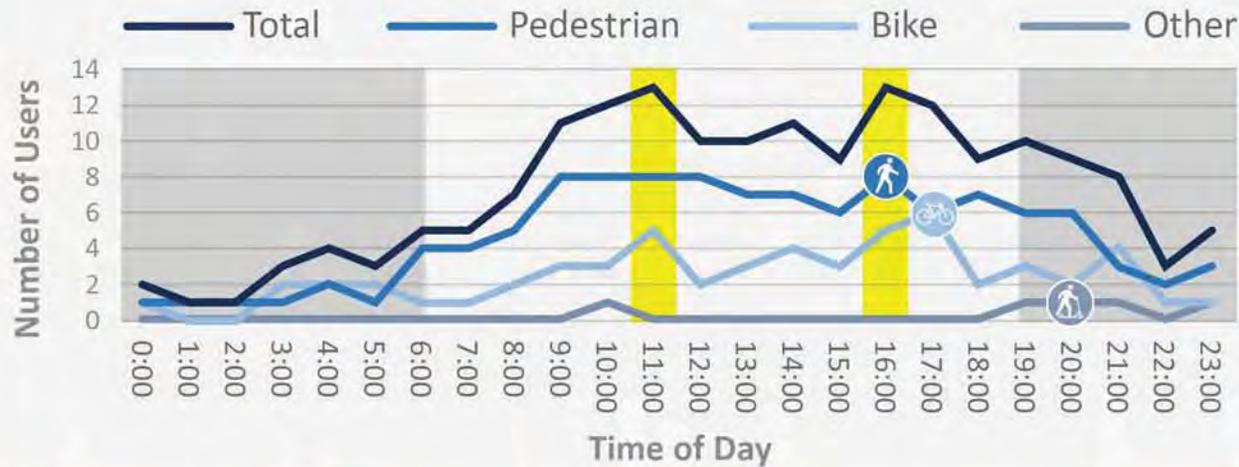
Time	Weekday*						Total Users
	Pedestrian Total	ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk	Other ²	
0:00	1	0	1	0	1	0	2
1:00	1	0	0	0	0	0	1
2:00	1	0	0	0	0	0	1
3:00	1	0	2	1	1	0	3
4:00	2	0	2	1	1	0	4
5:00	1	0	2	0	2	0	3
6:00	4	0	1	0	1	0	5
7:00	4	0	1	0	1	0	5
8:00	5	0	2	0	2	0	7
9:00	8	1	3	1	2	0	11
10:00	8	0	3	1	2	1	12
11:00	8	1	5	0	5	0	13
12:00	8	1	2	0	2	0	10
13:00	7	1	3	1	2	0	10
14:00	7	1	4	1	3	0	11
15:00	6	0	3	1	2	0	9
16:00	8	1	5	0	5	0	13
17:00	6	1	6	0	6	0	12
18:00	7	1	2	0	2	0	9
19:00	6	1	3	0	3	1	10
20:00	6	1	2	0	2	1	9
21:00	3	0	4	1	3	1	8
22:00	2	1	1	0	1	0	3
23:00	3	0	1	0	1	1	5
Total	113	11	58	8	50	5	176

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekday Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	9:00 - 10:00	8
	10:00 - 11:00	8
	11:00 - 12:00	8
	12:00 - 13:00	8
	16:00 - 17:00	8
Bike	17:00 - 18:00	6
Other	10:00 - 11:00	1
	19:00 - 20:00	1
	20:00 - 21:00	1
	21:00 - 22:00	1
	23:00 - 0:00	1

SR 436 at Curry Ford Road

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 11:00- 12:00
 Total Peak: 14 Users
 Daily Total: 134 Users

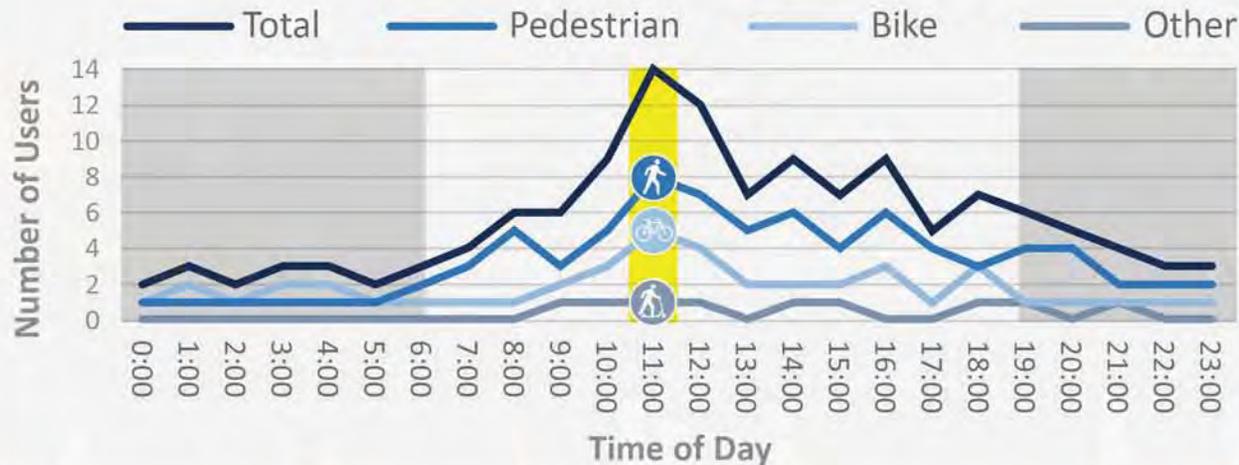
Time	Weekend*						Total Users
	Pedestrian Total	ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk	Other ²	
0:00	1	0	1	0	1	0	2
1:00	1	0	2	1	1	0	3
2:00	1	0	1	0	1	0	2
3:00	1	0	2	1	1	0	3
4:00	1	0	2	1	1	0	3
5:00	1	0	1	0	1	0	2
6:00	2	0	1	0	1	0	3
7:00	3	0	1	0	1	0	4
8:00	5	1	1	0	1	0	6
9:00	3	0	2	0	2	1	6
10:00	5	0	3	1	2	1	9
11:00	8	1	5	1	4	1	14
12:00	7	1	4	1	3	1	12
13:00	5	0	2	0	2	0	7
14:00	6	0	2	1	1	1	9
15:00	4	0	2	0	2	1	7
16:00	6	1	3	0	3	0	9
17:00	4	0	1	0	1	0	5
18:00	3	1	3	0	3	1	7
19:00	4	1	1	0	1	1	6
20:00	4	0	1	0	1	0	5
21:00	2	1	1	0	1	1	4
22:00	2	0	1	0	1	0	3
23:00	2	0	1	0	1	0	3
Total	81	7	44	7	37	9	134

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekend Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	11:00 - 12:00	8
	11:00 - 12:00	5
Other	09:00 - 10:00	1
	10:00 - 11:00	1
	11:00 - 12:00	1
	12:00 - 13:00	1
	14:00 - 15:00	1
	15:00 - 16:00	1
	18:00 - 19:00	1
	19:00 - 20:00	1
	21:00 - 22:00	1

SR 50 at Alafaya Trail

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 15:00- 16:00
 Total Peak: 13 Users
 Daily Total: 179 Users

Time	Weekday*						Total Users
	Pedestrian Total	ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk	Other ²	
0:00	1	0	2	1	1	0	3
1:00	1	0	1	0	1	0	2
2:00	1	0	1	0	1	0	2
3:00	1	0	1	0	1	0	2
4:00	1	0	2	1	1	0	3
5:00	4	0	3	2	1	0	7
6:00	3	0	3	1	2	0	6
7:00	5	0	4	1	3	0	9
8:00	6	1	4	1	3	0	10
9:00	5	1	5	1	4	1	11
10:00	7	0	2	0	2	0	9
11:00	6	1	4	0	4	0	10
12:00	6	1	5	1	4	1	12
13:00	5	1	4	1	3	1	10
14:00	5	0	4	1	3	0	9
15:00	7	0	5	1	4	1	13
16:00	9	1	4	1	3	0	13
17:00	6	0	6	1	5	0	12
18:00	5	0	4	1	3	0	9
19:00	4	0	4	1	3	0	8
20:00	3	0	3	1	2	0	6
21:00	3	0	3	1	2	0	6
22:00	3	0	1	0	1	0	4
23:00	2	0	1	0	1	0	3
Total	99	6	76	18	58	4	179

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekday Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	16:00 - 17:00	9
Bike	17:00 - 18:00	6
Other	09:00 - 10:00	1
	12:00 - 13:00	1
	13:00 - 14:00	1
	15:00 - 16:00	1

SR 50 at Alafaya Trail

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 14:00
 Total Peak: 12 Users
 Daily Total: 150 Users

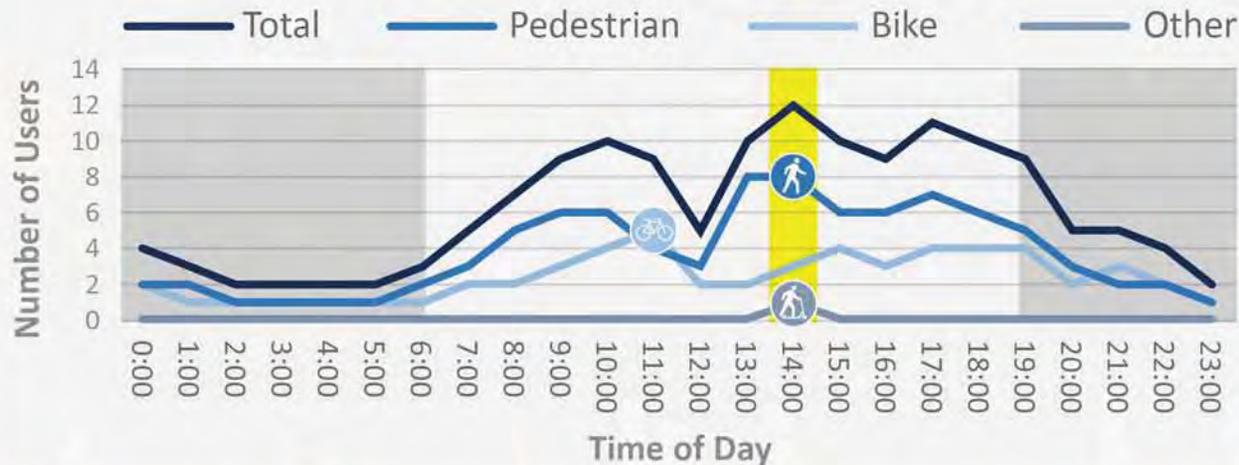
Time	Pedestrian Total	Weekend*				Other ²	Total Users
		ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk		
0:00	2	0	2	0	2	0	4
1:00	2	0	1	0	1	0	3
2:00	1	0	1	0	1	0	2
3:00	1	0	1	0	1	0	2
4:00	1	0	1	0	1	0	2
5:00	1	0	1	0	1	0	2
6:00	2	0	1	0	1	0	3
7:00	3	0	2	1	1	0	5
8:00	5	0	2	0	2	0	7
9:00	6	0	3	0	3	0	9
10:00	6	0	4	1	3	0	10
11:00	4	0	5	1	4	0	9
12:00	3	0	2	0	2	0	5
13:00	8	1	2	0	2	0	10
14:00	8	1	3	0	3	1	12
15:00	6	0	4	1	3	0	10
16:00	6	0	3	0	3	0	9
17:00	7	0	4	0	4	0	11
18:00	6	0	4	0	4	0	10
19:00	5	0	4	0	4	0	9
20:00	3	0	2	0	2	0	5
21:00	2	0	3	0	3	0	5
22:00	2	0	2	0	2	0	4
23:00	1	0	1	0	1	0	2
Total	91	2	58	4	54	1	150

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekend Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	13:00 - 14:00	8
	14:00 - 15:00	8
Bike	11:00 - 12:00	5
Other	14:00 - 15:00	1

SR 438 at CR 431

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 14:00- 15:00
 Total Peak: 34 Users
 Daily Total: 208 Users

Time	Weekday*						Total Users
	Pedestrian Total	ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk	Other ²	
0:00	1	0	1	0	1	0	2
1:00	1	0	0	0	0	0	1
2:00	1	0	1	0	1	0	2
3:00	1	1	2	1	1	0	3
4:00	2	0	2	1	1	0	4
5:00	1	0	2	1	1	0	3
6:00	12	0	1	0	1	0	13
7:00	11	0	1	0	1	0	12
8:00	6	0	1	0	1	1	8
9:00	4	1	2	1	1	1	7
10:00	5	1	2	0	2	1	8
11:00	6	1	1	0	1	0	7
12:00	5	0	2	1	1	0	7
13:00	14	0	2	0	2	1	17
14:00	30	0	3	1	2	1	34
15:00	14	0	3	0	3	0	17
16:00	11	0	2	0	2	1	14
17:00	8	1	1	0	1	0	9
18:00	8	0	4	0	4	0	12
19:00	5	1	3	1	2	1	9
20:00	5	0	2	1	1	0	7
21:00	4	1	2	1	1	0	6
22:00	3	0	1	0	1	0	4
23:00	1	0	1	0	1	0	2
Total	159	7	42	9	33	7	208

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekday Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	14:00 - 15:00	30
	18:00 - 19:00	4
Other	8:00 - 9:00	1
	9:00 - 10:00	1
	10:00 - 11:00	1
	13:00 - 14:00	1
	14:00 - 15:00	1
	16:00 - 17:00	1
	19:00 - 20:00	1

SR 438 at CR 431

County: Orange County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 12:00- 13:00
 Total Peak: 13 Users
 Daily Total: 147 Users

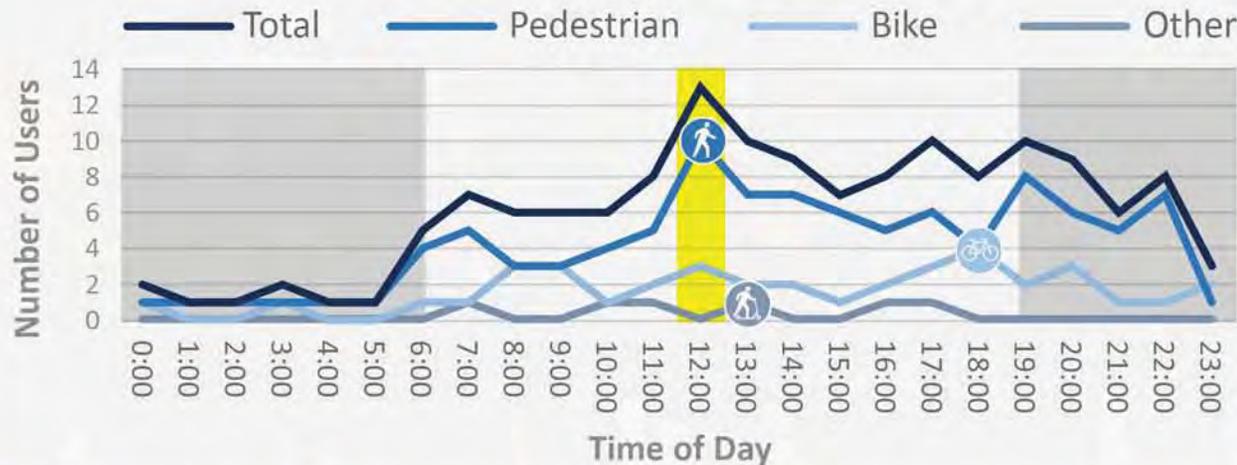
Time	Weekend*						Total Users
	Pedestrian Total	ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk	Other ²	
0:00	1	0	1	0	1	0	2
1:00	1	0	0	0	0	0	1
2:00	1	0	0	0	0	0	1
3:00	1	0	1	0	1	0	2
4:00	1	0	0	0	0	0	1
5:00	1	0	0	0	0	0	1
6:00	4	0	1	0	1	0	5
7:00	5	0	1	0	1	1	7
8:00	3	0	3	0	3	0	6
9:00	3	0	3	0	3	0	6
10:00	4	0	1	0	1	1	6
11:00	5	1	2	0	2	1	8
12:00	10	0	3	1	2	0	13
13:00	7	0	2	0	2	1	10
14:00	7	0	2	0	2	0	9
15:00	6	0	1	0	1	0	7
16:00	5	0	2	0	2	1	8
17:00	6	0	3	0	3	1	10
18:00	4	0	4	0	4	0	8
19:00	8	0	2	0	2	0	10
20:00	6	0	3	1	2	0	9
21:00	5	0	1	0	1	0	6
22:00	7	0	1	0	1	0	8
23:00	1	0	2	0	2	0	3
Total	102	1	39	2	37	6	147

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekend Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian		12:00 - 13:00: 10
		18:00 - 19:00: 4
Other		7:00 - 8:00: 1
		10:00 - 11:00: 1
		11:00 - 12:00: 1
		13:00 - 14:00: 1
		16:00 - 17:00: 1
		17:00 - 18:00: 1

US 1 at Madison Avenue

County: Volusia County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 16:00- 17:00
 Total Peak: 19 Users
 Daily Total: 253 Users

Time	Weekday*						Total Users
	Pedestrian Total	ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk	Other ²	
0:00	4	0	2	1	1	0	6
1:00	4	0	2	1	1	1	7
2:00	4	0	3	1	2	1	8
3:00	4	0	1	0	1	0	5
4:00	5	1	2	1	1	0	7
5:00	7	1	4	1	3	0	11
6:00	5	0	3	1	2	0	8
7:00	5	1	3	1	2	0	8
8:00	7	0	5	2	3	0	12
9:00	8	0	6	2	4	1	15
10:00	6	0	6	2	4	0	12
11:00	8	0	6	2	4	0	14
12:00	6	0	4	1	3	0	10
13:00	6	0	4	1	3	1	11
14:00	7	1	4	1	3	1	12
15:00	8	1	6	2	4	0	14
16:00	12	0	6	1	5	1	19
17:00	9	0	4	1	3	0	13
18:00	9	0	4	1	3	1	14
19:00	10	0	4	1	3	0	14
20:00	6	0	4	1	3	0	10
21:00	8	0	2	1	1	0	10
22:00	4	1	2	1	1	0	6
23:00	4	1	3	1	2	0	7
Total	156	7	90	28	62	7	253

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Peak Volumes

	Interval(s)	Volume
Pedestrian	16:00 - 17:00	12
	9:00 - 10:00	6
Bike	10:00 - 11:00	6
	11:00 - 12:00	6
	15:00 - 16:00	6
	16:00 - 17:00	6
Other	1:00 - 2:00	1
	2:00 - 3:00	1
	9:00 - 10:00	1
	13:00 - 14:00	1
	14:00 - 15:00	1
	16:00 - 17:00	1
	18:00 - 19:00	1

Weekday Average User Group



US 1 at Madison Avenue

County: Volusia County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 11:00- 12:00
 Total Peak: 11 Users
 Daily Total: 165 Users

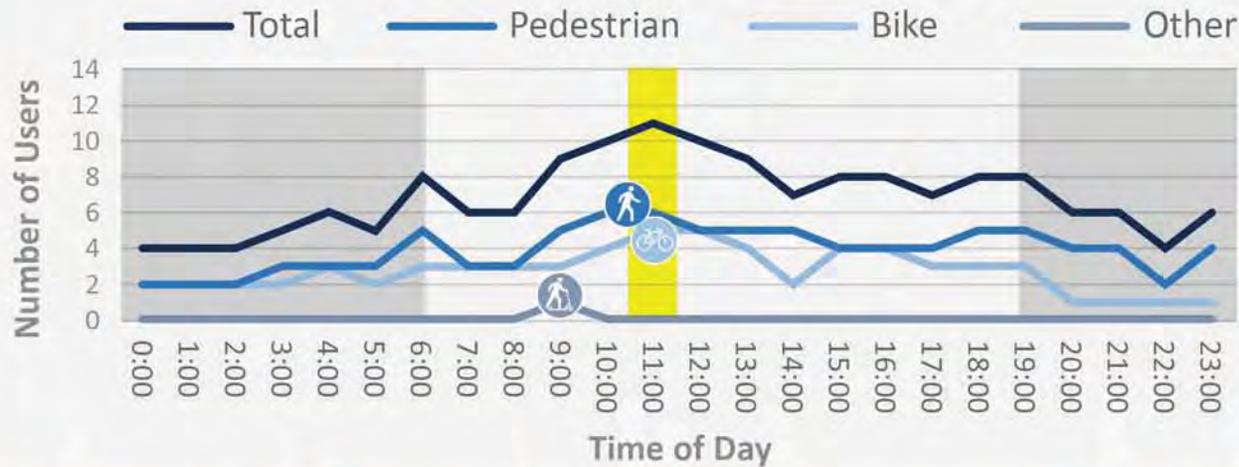
Time	Pedestrian Total	Weekend*				Other ²	Total Users
		ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk		
0:00	2	0	2	1	1	0	4
1:00	2	0	2	1	1	0	4
2:00	2	0	2	1	1	0	4
3:00	3	0	2	1	1	0	5
4:00	3	0	3	2	1	0	6
5:00	3	0	2	1	1	0	5
6:00	5	0	3	2	1	0	8
7:00	3	0	3	2	1	0	6
8:00	3	1	3	2	1	0	6
9:00	5	0	3	1	2	1	9
10:00	6	0	4	2	2	0	10
11:00	6	0	5	3	2	0	11
12:00	5	1	5	2	3	0	10
13:00	5	1	4	2	2	0	9
14:00	5	1	2	1	1	0	7
15:00	4	1	4	2	2	0	8
16:00	4	0	4	2	2	0	8
17:00	4	1	3	1	2	0	7
18:00	5	1	3	1	2	0	8
19:00	5	0	3	2	1	0	8
20:00	4	0	2	1	1	0	6
21:00	4	0	2	1	1	0	6
22:00	2	0	2	1	1	0	4
23:00	4	0	2	1	1	0	6
Total	94	7	70	36	34	1	165

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekend Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	10:00 - 11:00	6
	11:00 - 12:00	6
Bike	11:00 - 12:00	5
	13:00 - 14:00	5
Other	9:00 - 10:00	1

US 1 at US 192

County: Brevard County
 Date: September 2014
 Duration: 24 Hour Period

Peak Periods: 7:00- 8:00
 10:00- 11:00
 12:00- 13:00
 13:00- 14:00
 14:00- 15:00
 16:00- 17:00

Total Peak: 5 Users
 Daily Total: 82 Users

Time	Weekday*						Total Users
	Pedestrian Total	ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk	Other ²	
0:00	1	0	1	0	1	0	2
1:00	1	0	1	0	1	0	2
2:00	1	0	2	1	1	0	3
3:00	1	0	0	0	0	0	1
4:00	1	0	1	0	1	0	2
5:00	1	0	2	1	1	0	3
6:00	1	0	2	1	1	0	3
7:00	2	0	3	1	2	0	5
8:00	1	0	3	1	2	0	4
9:00	2	0	2	0	2	0	4
10:00	2	0	3	1	2	0	5
11:00	1	1	3	1	2	0	4
12:00	2	0	3	1	2	0	5
13:00	2	0	3	1	2	0	5
14:00	2	0	2	1	1	0	5
15:00	1	0	2	1	1	0	3
16:00	2	0	3	1	2	0	5
17:00	2	0	2	1	1	0	4
18:00	2	0	2	0	2	0	4
19:00	2	0	2	1	1	0	4
20:00	2	0	1	0	1	0	3
21:00	1	0	1	0	1	0	2
22:00	1	0	1	0	1	0	2
23:00	1	0	1	0	1	0	2
Total	35	1	47	14	33	0	82

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device

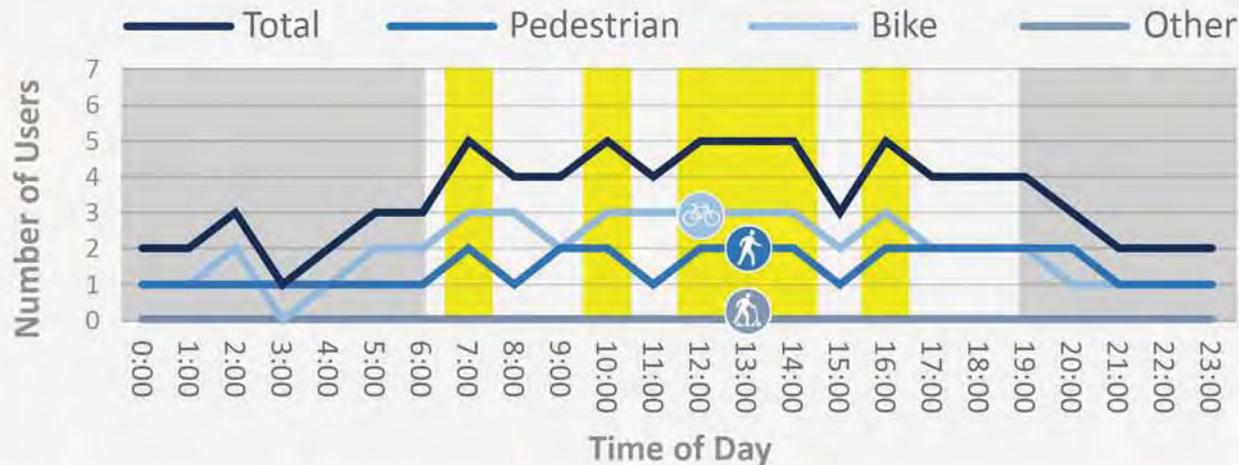


District 5
 Modal Developmental Office

Peak Volumes

	Interval(s)	Volume
Pedestrian	7:00 - 8:00	2
	9:00 - 10:00	2
	10:00 - 11:00	2
	12:00 - 12:00	2
	13:00 - 14:00	2
	14:00 - 15:00	2
	16:00 - 17:00	2
	17:00 - 18:00	2
	18:00 - 19:00	2
	19:00 - 20:00	2
20:00 - 21:00	2	
Bike	7:00 - 8:00	3
	10:00 - 11:00	3
	11:00 - 12:00	3
	12:00 - 13:00	3
	13:00 - 14:00	3
	14:00 - 15:00	3
	16:00 - 17:00	3
Other	None	

Weekday Average User Group



US 1 at US 192

County: Brevard County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 12:00- 13:00
 Total Peak: 13 Users
 Daily Total: 179 Users

Time	Pedestrian Total	Weekend*				Other ²	Total Users
		ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk		
0:00	0	0	1	0	1	0	1
1:00	0	0	1	0	1	0	1
2:00	1	0	0	0	0	0	1
3:00	1	0	0	0	0	0	1
4:00	1	0	0	0	0	0	1
5:00	1	0	1	0	1	0	2
6:00	1	0	0	0	0	0	1
7:00	2	0	1	0	1	0	3
8:00	1	0	2	1	1	0	3
9:00	2	0	2	1	1	0	4
10:00	1	0	2	1	1	0	3
11:00	1	0	2	1	1	0	3
12:00	3	0	2	1	1	0	5
13:00	2	0	2	1	1	0	4
14:00	2	0	1	0	1	0	3
15:00	2	0	1	0	1	0	3
16:00	2	0	2	1	1	0	4
17:00	2	0	1	0	1	0	3
18:00	1	0	1	0	1	0	2
19:00	1	1	1	0	1	0	2
20:00	1	0	2	1	1	0	3
21:00	1	0	0	0	0	0	1
22:00	1	0	1	0	1	0	2
23:00	1	0	1	0	1	0	2
Total	31	1	27	8	19	0	58

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekend Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	12:00 - 13:00	3
	8:00 - 9:00	2
Bike	9:00 - 10:00	2
	10:00 - 11:00	2
	11:00 - 12:00	2
	12:00 - 13:00	2
	13:00 - 14:00	2
	16:00 - 17:00	2
	20:00 - 21:00	2
Other	None	

US 192 at US 17/92

County: Osceola County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 12:00- 13:00
 Total Peak: 16 Users
 Daily Total: 208 Users



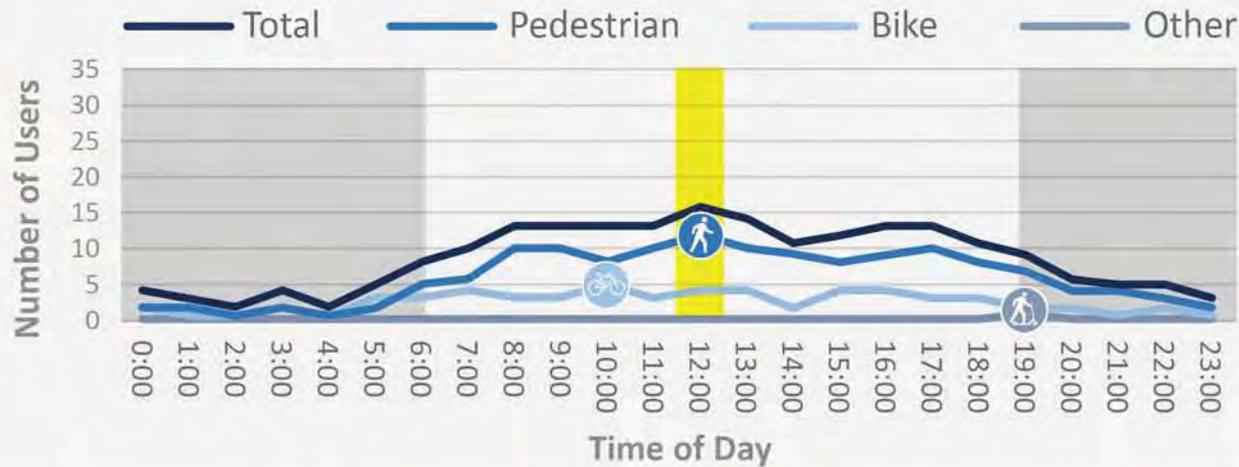
Time	Weekday*						Total Users
	Pedestrian Total	ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk	Other ²	
0:00	2	0	2	1	1	0	4
1:00	2	0	1	0	1	0	3
2:00	1	0	1	0	1	0	2
3:00	2	0	2	1	1	0	4
4:00	1	0	1	0	1	0	2
5:00	2	0	3	1	2	0	5
6:00	5	0	3	1	2	0	8
7:00	6	0	4	1	3	0	10
8:00	10	1	3	0	3	0	13
9:00	10	1	3	0	3	0	13
10:00	8	1	5	1	4	0	13
11:00	10	0	3	0	3	0	13
12:00	12	1	4	0	4	0	16
13:00	10	1	4	1	3	0	14
14:00	9	1	2	0	2	0	11
15:00	8	0	4	1	3	0	12
16:00	9	0	4	1	3	0	13
17:00	10	0	3	0	3	0	13
18:00	8	1	3	1	2	0	11
19:00	6	1	2	0	2	1	9
20:00	4	0	2	0	2	0	6
21:00	4	0	1	0	1	0	5
22:00	3	0	2	0	2	0	5
23:00	2	0	1	0	1	0	3
Total	144	8	63	10	53	1	208

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekday Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian 	12:00 - 13:00	12
Bike 	10:00 - 11:00	5
Other 	19:00 - 20:00	1

US 192 at US 17/92

County: Osceola County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 11:00- 12:00
 Total Peak: 11 Users
 Daily Total: 134 Users

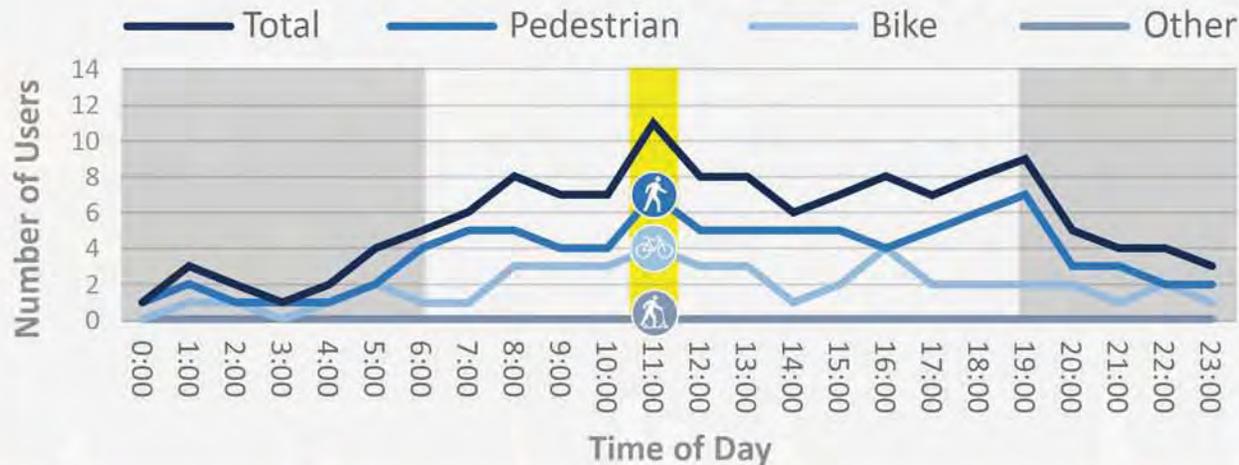
Time	Pedestrian Total	Weekend*				Other ²	Total Users
		ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk		
0:00	1	1	0	0	0	0	1
1:00	2	0	1	0	1	0	3
2:00	1	0	1	0	1	0	2
3:00	1	0	0	0	0	0	1
4:00	1	0	1	0	1	0	2
5:00	2	0	2	1	1	0	4
6:00	4	0	1	0	1	0	5
7:00	5	1	1	0	1	0	6
8:00	5	1	3	0	3	0	8
9:00	4	0	3	0	3	0	7
10:00	4	0	3	1	2	0	7
11:00	7	1	4	1	3	0	11
12:00	5	0	3	0	3	0	8
13:00	5	0	3	1	2	0	8
14:00	5	1	1	0	1	0	6
15:00	5	1	2	0	2	0	7
16:00	4	0	4	1	3	0	8
17:00	5	0	2	0	2	0	7
18:00	6	1	2	0	2	0	8
19:00	7	0	2	0	2	0	9
20:00	3	0	2	0	2	0	5
21:00	3	0	1	0	1	0	4
22:00	2	0	2	0	2	0	4
23:00	2	0	1	0	1	0	3
Total	89	7	45	5	40	0	134

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekend Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	11:00 - 12:00	7
	19:00 - 20:00	7
Bike	11:00 - 12:00	4
	19:00 - 20:00	4
Other	None	

US 92 at SR 5A

County: Volusia County
 Date: September 2014
 Duration: 24 Hour Period

Peak Periods: 12:00 - 13:00
 15:00 - 16:00
 Total Peak: 10 Users
 Daily Total: 156 Users

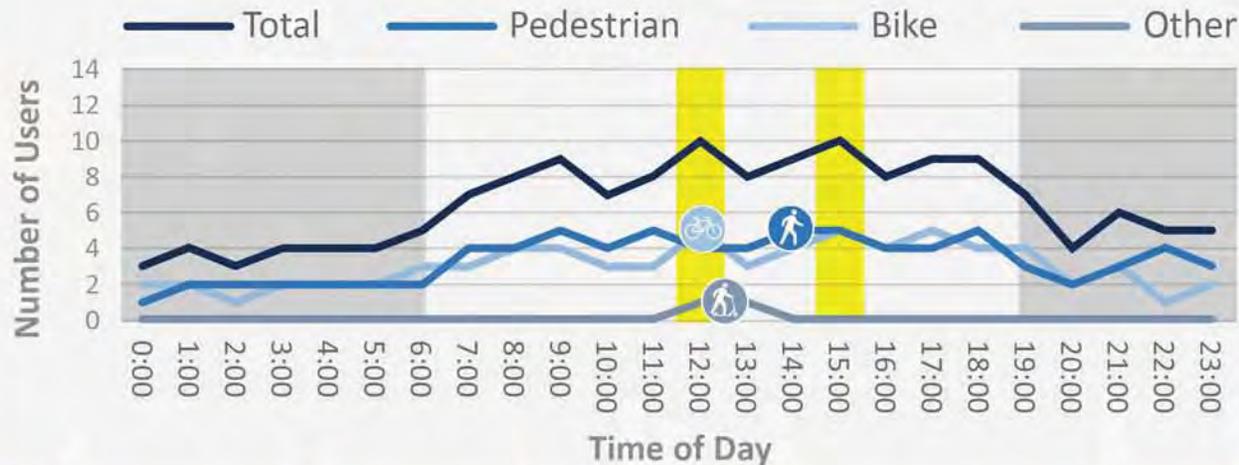
Time	Weekday*						Total Users
	Pedestrian Total	ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk	Other ²	
0:00	1	0	2	1	1	0	3
1:00	2	0	2	1	1	0	4
2:00	2	1	1	1	0	0	3
3:00	2	0	2	1	1	0	4
4:00	2	0	2	1	1	0	4
5:00	2	1	2	1	1	0	4
6:00	2	0	3	1	2	0	5
7:00	4	0	3	1	2	0	7
8:00	4	0	4	1	3	0	8
9:00	5	0	4	1	3	0	9
10:00	4	1	3	1	2	0	7
11:00	5	0	3	1	2	0	8
12:00	4	0	5	1	4	1	10
13:00	4	1	3	1	2	1	8
14:00	5	0	4	1	3	0	9
15:00	5	0	5	1	4	0	10
16:00	4	1	4	1	3	0	8
17:00	4	1	5	1	4	0	9
18:00	5	0	4	1	3	0	9
19:00	3	0	4	1	3	0	7
20:00	2	0	2	1	1	0	4
21:00	3	0	3	1	2	0	6
22:00	4	0	1	0	1	0	5
23:00	3	0	2	1	1	0	5
Total	81	6	73	23	50	2	156

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekday Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	9:00 - 10:00	5
	11:00 - 12:00	5
	14:00 - 15:00	5
	15:00 - 16:00	5
	18:00 - 19:00	5
Bike	12:00 - 13:00	5
	15:00 - 16:00	5
	17:00 - 18:00	5
Other	12:00 - 13:00	1
	13:00 - 14:00	1

US 92 at SR 5A

County: Volusia County
 Date: September 2014
 Duration: 24 Hour Period

Peak Period: 13:00 - 14:00
 Total Peak: 9 Users
 Daily Total: 140 Users



Time	Pedestrian Total	Weekend*				Other ²	Total Users
		ADA ¹	Bike Total	Bike on Road	Bike on Sidewalk		
0:00	5	0	2	1	1	0	7
1:00	3	0	2	1	1	0	5
2:00	2	0	1	0	1	0	3
3:00	3	0	1	0	1	0	4
4:00	2	0	2	1	1	0	4
5:00	1	0	2	1	1	0	3
6:00	1	0	2	1	1	0	3
7:00	2	0	4	2	2	0	6
8:00	3	0	2	1	1	1	6
9:00	4	0	2	1	1	0	6
10:00	3	0	3	1	2	0	6
11:00	2	0	3	1	2	0	5
12:00	3	0	3	1	2	0	6
13:00	6	0	3	1	2	0	9
14:00	3	0	3	1	2	1	7
15:00	2	1	2	0	2	0	4
16:00	5	0	3	1	2	0	8
17:00	5	0	3	1	2	0	8
18:00	4	0	3	1	2	0	7
19:00	5	0	2	1	1	0	7
20:00	4	0	3	1	2	1	8
21:00	5	0	2	0	2	0	7
22:00	3	0	2	0	2	0	5
23:00	5	0	1	0	1	0	6
Total	81	1	56	19	37	3	140

*Average for data collection period by hour
 1 Users of mobility devices included in Pedestrian Total
 2 Other includes users of rollerblades, skateboards or any other human-powered transportation device



District 5
 Modal Developmental Office

Weekend Average User Group



Peak Volumes

	Interval(s)	Volume
Pedestrian	13:00 - 14:00	6
Bike	7:00 - 8:00	4
Other	8:00 - 9:00	1
	14:00 - 15:00	1
	20:00 - 21:00	1

**SUMMARY SHEET
BPAC
MAY 13, 2015**

IV. Presentations and Discussion Items

C) Presentation on the 2040 Long Range Transportation Plan (LRTP) Congestion Management Process

Background Information:

The Congestion Management Process (CMP) is a systematic process that provides for safe and effective integrated management and operation of the multimodal transportation system. The CMP should result in multimodal system performance measures and strategies reflected in the 2040 Long Range Transportation Plan (LRTP) and Transportation Improvement Program. Maintenance of a CMP is a requirement for all MPOs under Florida law and for MPOs in Transportation Management Areas under federal law.

Action Requested:

No action is required unless otherwise directed by the BPAC

**SUMMARY SHEET
BPAC
MAY 13, 2015**

IV. Presentations and Discussion Items

D) Presentation on the draft Lists of Prioritized Bicycle/Pedestrian and Regional Trail Projects

Background Information:

The River to Sea TPO accepted application packets for Transportation Projects from January 16 to April 6, 2015. The Project Review Subcommittee met on April 23rd to evaluate and score the applications. The draft Lists of Prioritized Bicycle/Pedestrian Projects and Regional Trail Projects are provided in this agenda packet for your review.

Action Requested:

No action is required unless otherwise directed by the BPAC

River to Sea TPO List of Prioritized-Bicycle/Pedestrian Set-aside Projects (10% Local Match Required)

DRAFT - May 13, 2015

Tier A: Projects with One or More Phases Funded

Priority Ranking	FDOT FM#	R2CTPO Project#	Project Name	Project Limits	Project Type	Project Sponsor	Programmed Phase(s)	Needed Phase(s)	Estimated Total Project Cost	Local Match (%)	Comments
	4355941	P13w-111-01	Turnbull St Sidewalk	Turnbull Bay Rd to Industrial Park Av	Sidewalk	New Smyrna Beach	CST \$46,482 - FY 16/17	none	\$46,482	10%	Removed by Project Sponsor
	4355971	P13w-113-01	Meadowwood St Sidewalk	Slatton St to S. Myrtle Av	Sidewalk	New Smyrna Beach	CST \$26,237 - FY 16/17	none	\$26,237	10%	Removed by Project Sponsor
	4355931	P13w-114-01	N. Atlantic Av Sidewalk	Kirkland Rd to Sapphire Rd	Sidewalk	New Smyrna Beach	CST \$28,283 - FY 16/17	none	\$28,283	10%	Removed by Project Sponsor
	4355371	P13p-115-01	Colony Park Rd Shared-Use Path	Otter Bv to SR 44	Trail	New Smyrna Beach	PE \$12,822 - FY 16/17 CST \$70,525 - FY 17/18	none	\$83,347	10%	Removed by Project Sponsor
1	4356711	P12p-101-01	Lakeshore Shared Use Path	Providence Bv to Green Springs Park	Trail	Deltona	PE \$49,328 - FY 15/16	CST - \$579,020	\$628,348	10%	CST tentatively funded in FY 17/18
2	4336151	P12w-102-01	US 17 Sidewalks	Hagstrom Rd to Washington Av	Sidewalk	Pierson	PE \$293,275 - FY 13/14 CST \$815,908 - FY 14/15	none	\$1,109,183	10%	FULLY-FUNDED
3	4354871	P13w-103-01	Flagler Av Sidewalk	12th St to Park Av	Sidewalk	Edgewater	PE \$93,237 - FY 15/16	ROW - TBA, CST - \$343,753	\$332,772	10%	CST tentatively funded in FY 18/19
4	4354991	P13w-104-01	W. French Av Sidewalk	Volusia Av to Valentine Park	Sidewalk	Orange City	PE \$39,993 - FY 15/16 ROW \$213,962 - FY 16/17	CST - \$190,442	\$444,397	10%	CST tentatively funded in FY 18/19
5	4355001	P13w-105-01	McDonald Rd Sidewalk	Sauls St to 6th St	Sidewalk	Port Orange	PE \$48,228 - FY 15/16	ROW - TBA CST - \$160,758	TBA	10%	CST tentatively funded in FY 18/19
6	4355361	P13w-106-01	Victoria Gardens Bv Sidewalk	Clyde Morris Bv to Appleview Way	Sidewalk	Port Orange	PE \$41,115 - FY 15/16 CST \$153,843 - FY 16/17	none	\$194,958	10%	FULLY-FUNDED
7	4355351	P11p-113-01	Forrest Hills Connector	Old Tomoka Rd to Scottdale Dr	Trail	Ormond Beach	PE \$56,404 - FY 15/16 CST \$589,288 - FY 16/17	none	\$645,692	10%	FULLY-FUNDED

Tier A: Projects with One or More Phases Funded

Priority Ranking	FDOT FM#	R2CTPO Project#	Project Name	Project Limits	Project Type	Project Sponsor	Programmed Phase(s)	Needed Phase(s)	Estimated Total Project Cost	Local Match (%)	Comments
8	4285361	P13-107-01	Seminole Woods Bv Trail	US 1 to Sesame Bv	Trail	Palm Coast	CST \$602,698 - FY 2015/16	none	\$602,698	10%	FULLY-FUNDED
9	4300791	P10w-151-01	S. Spruce Creek Rd Sidewalk	Central Park Bv to Taylor Rd	Sidewalk	Port Orange	CST \$381,242 - FY 14/15	none	\$411,242	10%	FULLY-FUNDED
10	4355331	P13p-108-01	Halifax River Greenway Trail (Palmetto)	Beville Rd to Wilder Bv	Trail	Daytona Beach	CST \$115,530 - FY 14/15	none	\$115,500	10%	FULLY-FUNDED
11	4355341	P13p-108-02	Halifax River Greenway Trail (Riverfront)	Beach St to Riverfront Park	Trail	Daytona Beach	CST \$421,319 - FY 14/15	none	\$386,925	10%	FULLY-FUNDED
12	4355381	P13p-109-01	W. French Av Shared Use Path	Spring to Spring Trail to Valentine Park	Trail	Orange City	PE \$442,608 - FY 15/16 ROW \$4,449 - FY 16/17	CST - \$2,107,696	\$2,554,753	10%	FULLY-FUNDED
13	4355321	P11w-102-01	Big Tree Rd Shared Use Path	James St to Nova Rd	Trail	South Daytona	CST \$577,500 - FY 16/17	none	\$577,500	10%	FULLY-FUNDED
14	4355391	P13w-110-01	N. Spruce Creek Rd Sidewalk	Nova Rd to Angelina Ct	Sidewalk	Port Orange	PE \$73,563 - FY 16/17 CST \$404,595 - FY 2017/18	none	\$478,158	10%	FULLY-FUNDED
15	4355881	P13w-112-01	Magnolia St Sidewalk	6th St to 10th St	Sidewalk	New Smyrna Beach	CST \$57,928 - FY 16/17	none	\$57,928	10%	FULLY-FUNDED
16	4302171	P10p-155-01	Alabama Ave Trail North Extension	US 92 to Sperling Sports Complex	Trail	DeLand	PE \$380 - FY 13/14	ROW, CST	TBA	10%	Realignment needed
17	4302172	P10p-156-01	Alabama Ave Trail North Extension	Minnesota Av to US 92	Trail	DeLand	PE \$1,000 - FY 13/14	CST	TBA	10%	Maintenance agreement needed

Tier B: Projects Ready for Funding

Priority Ranking	R2CTPO Project#	Project Name	Project Limits	Project Type	Project Sponsor	Needed Phases	Estimated Total Project Cost (current year)	Project Score	Local Match (%)	Comments
1	P13p-107-01	Seminole Woods Bv Trail	US 1 to Sesame Bv	Trail	Palm Coast	CST	\$630,000	61	10%	FULLY-FUNDED
2	P14p-101-01	Nova Rd Trail	Bellevue Av to South St	Trail	Daytona Beach	CST	\$118,433	80	10%	
3	P14p-102-01	Beach St Trail	Live Oak Av to Orange Av	Trail	Daytona Beach	CST	\$60,904	78	10%	
4		<u>N. Orange/E. Graves Av Sidewalks</u>	<u>French Av to University Av/Thorpe Av to Leavitt Av</u>	<u>Sidewalk</u>	<u>Orange City</u>	<u>PE - \$56,287, CST - \$185,665</u>	<u>\$241,952</u>	87	<u>10%</u>	Two separate sidewalks total length: 2,000 feet
5		<u>Beville Rd Shared Use Path</u>	<u>Williamson Bv to Clyde Morris Bv</u>	<u>Shared Use Path</u>	<u>Daytona Beach</u>	<u>PE - \$126,800, CST - \$961,000</u>	<u>\$1,087,000</u>	85	<u>10%</u>	
6		<u>Riverwalk Shared Use Path</u>	<u>Dunlawton Av to Ocean Av</u>	<u>Shared Use Path</u>	<u>Port Orange</u>	<u>PE - \$65,000, CST - \$320,570</u>	<u>\$420,200</u>	77	<u>10%</u>	
7	P14w-103-01	Flomich St Sidewalk	Nova Rd to Decatur St	Sidewalk	Holly Hill	PE - \$85,056, ROW - TBA, CST - \$311,872	\$403,228	75	10%	
8		<u>S. Holly/E. Lansdowne Av Sidewalks</u>	<u>Graves Av to Blue Springs Av/Volusia Av to Orange Av</u>	<u>Sidewalk</u>	<u>Orange City</u>	<u>PE - \$144,705, ROW - \$1,926, CST - \$318,353</u>	<u>\$464,984</u>	72	<u>10%</u>	Two separate sidewalks total length: 2,000 feet
9	P14p-104-01	Beach St Trail	Wilder Bv to Shady Place	Trail	Daytona Beach	CST	\$462,378	70	10%	
10		<u>US 1 Sidewalk</u>	<u>Airport Rd to Wilmette Av</u>	<u>Sidewalk</u>	<u>Ormond Beach</u>	<u>PE - \$185,100, CST - \$1,234,000</u>	<u>\$1,419,100</u>	65	<u>10%</u>	
11		<u>NSB Multi-Use Trail</u>	<u>SR 44 to Gibraltar Bv</u>	<u>Trail</u>	<u>New Smyrna Beach</u>	<u>PE - \$28,000, CST - \$253,000</u>	<u>\$281,000</u>	63	<u>10%</u>	

Tier B: Projects Ready for Funding

Priority Ranking	R2CTPO Project#	Project Name	Project Limits	Project Type	Project Sponsor	Needed Phases	Estimated Total Project Cost (current year)	Project Score	Local Match (%)	Comments
<u>12</u>		<u>Bunnell Elem. School Sidewalks</u>	<u>[multiple limits]</u>	<u>Sidewalk</u>	<u>Bunnell</u>	<u>PE - 83,467, CST - \$417,333</u>	<u>\$500,800</u>	<u>57</u>	<u>10%</u>	Eight separate sidewalks total length: 5,600 feet
<u>13</u>	P14p-105-01	Tomoka State Park Sidewalk	Sanchez Park to Tomoka State Park	Trail	Ormond Beach	PE - \$85,999, CST - \$789,627	\$875,626	55	10%	
<u>14</u>	P14w-106-01	Derbyshire Park Sidewalk	Vine St to Nova Rd and Brentwood St to 5th St	Sidewalk	Daytona Beach	CST	\$413,648	54	10%	
<u>15</u>	P14p-107-01	Lakeview Bv Trail	Matanzas Pkwy to London Dr	Trail	Palm Coast	CST	\$565,916	53	10%	
<u>16</u>	P14w-08-01	Holsonback Dr Sidewalk	VCHD Driveway to Bill France Bv	Sidewalk	Daytona Beach	CST	\$69,300	52	10%	

Tier C: Projects Awaiting Feasibility Study

Priority Ranking	R2CTPO Project#	Project Name	Project Limits	Project Type	Project Sponsor	Project Status	Year Submitted	Project Score	Local Match (%)	Comments
1	514w-101-01	E. Graves and N. Leavitt Av Sidewalk	S. Leavitt to Veterans Memorial Pkwy and E. Graves to E. Lansdowne Av	Sidewalk	Orange City	Conceptual Plan	2014	88	10%	Feasibility Study Completed
2	514p-102-01	Riverwalk Shared Use Path	Ocean Av to Dunlawton Av	Trail	Port Orange	Conceptual Plan	2014	73	10%	Feasibility Study Completed
3	514p-103-01	Powerline Shared Use Path	Saxon Bv to Brewster Dr	Trail	Deltona	Conceptual Plan	2014	71	10%	Feasibility Study Completed
4	S13w-103-01	Macy Av Shared Use Path	Cassadaga Rd to Ohio Av	Trail	Lake Helen	Conceptual Plan	2011	66.2	10%	Removed by Project Sponsor
5	S11p-111-01	E. Michigan Av Shared Use Path	S. Lakeview Dr to S. Prevatt Av	Trail	Lake Helen	Conceptual Plan	2011	66.1	10%	Removed by Project Sponsor
11	S12w-108-01	Mason Av Sidewalk	Nova Rd to Center St	Sidewalk	Daytona Beach	Conceptual Plan	2012	56	10%	Removed by Project Sponsor
16	S12w-110-01	Willow Run Bv Sidewalk	Chardonnay Dr to Clyde Morris Bv	Sidewalk	Port Orange	Conceptual Plan	2012	25	10%	Removed by Project Sponsor
1		<u>Veterans Memorial Parkway Sidewalk</u>	<u>E. Graves Av to Saxon Bv</u>	<u>Sidewalk</u>	<u>Orange City</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>80</u>	<u>10%</u>	
2		<u>CR 3 Shared Use Path</u>	<u>Menton Rd to Steadman Rd</u>	<u>Trail</u>	<u>Pierson</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>77</u>	<u>10%</u>	
3		<u>Coast to Coast Connector Trail</u>	<u>10th St to US 1</u>	<u>Trail</u>	<u>New Smyrna Beach</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>73</u>	<u>10%</u>	
4		<u>South Daytona Regional Trail</u>	<u>US 1 to Palmetto Av</u>	<u>Trail</u>	<u>South Daytona</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>68</u>	<u>10%</u>	
5	S14p-104-01	Providence Bv Shared Use Path	Howland Bv to DeBary/Doyle Rd	Trail	Deltona	Conceptual Plan	2014	65	10%	
6		<u>US 17 Shared Use Path</u>	<u>Pierson</u>	<u>Trail</u>	<u>Pierson</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>64.7</u>	<u>10%</u>	

Tier C: Projects Awaiting Feasibility Study

Priority Ranking	R2CTPO Project#	Project Name	Project Limits	Project Type	Project Sponsor	Project Status	Year Submitted	Project Score	Local Match (%)	Comments
<u>7</u>	S14w-105-01	Highbanks Rd Sidewalk	Simcoe St to Enterprise Rd	Sidewalk	DeBary	Conceptual Plan	2014	63	10%	
<u>8</u>		<u>Dale St to 10th St Trail</u>	<u>Park Av to 10th St</u>	<u>Trail</u>	<u>Edgewater</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>61</u>	<u>10%</u>	
<u>9</u>	S14w-106-01	Center Av Sidewalk	Flomich St to LPGA Bv	Sidewalk	Holly Hill	Conceptual Plan	2014	58.3	10%	
<u>10</u>	S13w-106-01	S. Leavitt Av Sidewalk	Blue Springs Av to Rhode Island Av	Sidewalk	Orange City	Conceptual Plan	2013	58	10%	
<u>11</u>		<u>US 1 Shared Use Path</u>	<u>Art Center Av to Bayshore Dr</u>	<u>Trail</u>	<u>Port Orange</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>58</u>	<u>10%</u>	
<u>12</u>		<u>Willow Run Bv Sidewalk</u>	<u>Harms Way to Clyde Morris Bv</u>	<u>Sidewalk</u>	<u>Port Orange</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>57</u>	<u>10%</u>	
<u>13</u>		<u>Magnolia Av Shared Use Path</u>	<u>Reed Canal Rd to Beville Rd</u>	<u>Trail</u>	<u>South Daytona</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>56.3</u>	<u>10%</u>	
<u>14</u>	S11w-121-01	SR 442 Sidewalk	I-95 to Air Park Rd	Sidewalk	Edgewater	Conceptual Plan	2011	56.1	10%	
<u>15</u>		<u>Center Av Sidewalk, Phase 2</u>	<u>3rd St to LPGA Bv</u>	<u>Sidewalk</u>	<u>Holly Hill</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>55.7</u>	<u>10%</u>	
<u>16</u>		<u>Anastasia Dr Shared Use Path</u>	<u>Reed Canal Rd to Big Tree Rd</u>	<u>Trail</u>	<u>South Daytona</u>	<u>Conceptual Plan</u>	<u>2015</u>	<u>52.3</u>	<u>10%</u>	
<u>17</u>	S11w-110-01	Lambert Av Sidewalk	Palm Dr to Lambert Cove	Sidewalk	Flagler Beach	Conceptual Plan	2011	46	10%	
<u>18</u>	S14p-108-01	Volusia Gap	US 17-92 Bridge to Spring-to-Spring Trail	Trail	Volusia County	Conceptual Plan	2014	43	10%	
<u>19</u>	S11p-100-01	Thompson Creek Shared Use Path	Division Av to Wilmette Av	Trail	Ormond Beach	Conceptual Plan	2011	40	10%	
<u>20</u>	S12w-109-01	Herbert St Sidewalk-East	Jackson St to Railroad Crossing	Sidewalk	Port Orange	Conceptual Plan	2012	35	10%	

NOTE 1: The TPO has set-aside 30% of its SU funds for bicycle/pedestrian projects, with the caveat that all projects will be handicapped accessible and ADA compliant.

Tier C: Projects Awaiting Feasibility Study

Priority Ranking	R2CTPO Project#	Project Name	Project Limits	Project Type	Project Sponsor	Project Status	Year Submitted	Project Score	Local Match (%)	Comments
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NOTE 2: The TPO will allocate up to \$100,000/year to help local governments fund feasibility studies for these projects.

River to Sea TPO List of Prioritized Regional Trail Projects

DRAFT - May 13, 2015

Priority Ranking	FDOT FM#	R2CTPO Project#	Project Name	Project Limits	Project Type	Project Sponsor	Programmed Phase(s)	Needed Phase(s)	Estimated Total Project Cost	Local Match (%)	Comments
1	none	P14n-601-01	Seminole/Volusia Gap	Wayside Park (Seminole County) to Spring-to-Spring Trail (Volusia County)	Trail	Volusia County	PE \$720,289 FY 2015/16 CST \$1,379,067 FY 2017/18	none	\$2,099,356	0%	Includes the US 17-92 bridge
2	none	P14n-602-01	Spring-to-Spring Trail	Detroit Terrace to US 17-92	Trail	Volusia County	none	CST	\$3,010,000	0%	Design-build contract
3	none	P14n-603-01	Beach Street/Halifax River Greenway Trail	Wilder Bv to Shady Place (segment 1) and Live Oak Av to Orange Av (segment 2)	Trail	Daytona Beach	none	CST	\$523,282	0%	East Coast Greenway segment
4	none		Donnelly Place/Halifax River Greenway Trail	Shady Place to Bellevue Av	Trail	Daytona Beach	none	PE, CST	\$240,039	0%	East Coast Greenway segment
none	none	P14n-604-01	US 17 Trail	Ponce DeLeon Bv to SR 40	Trail	Volusia County	none	PE, CST	\$5-6 million	0%	Maintenance agreement needed
none	none	P14n-605-01	Black Bear Scenic Bikeway	SR 35 (Marion County) to US 17 (Volusia County)	Trail	Volusia County	none	PD&E	none	0%	Along SR 40 from SR 35 to US 17

**SUMMARY SHEET
BPAC
MAY 13, 2015**

V. STAFF COMMENTS

VI. INFORMATION ITEMS

- **BPAC Attendance Record**
- **BPAC Project Review Subcommittee Report**
- **FDEP Trails and Tourism Flyer**
- **National Bike Month Flyer**
- **TPO Board Meeting Report**

VII. BPAC MEMBER COMMENTS

VIII. ADJOURNMENT

Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Notes
Holly Idler/Doug Hall	x	exc	C	x								Daytona Beach (appt. 3/12) (alternate appt. 02/14)
John Schmitz	exc	abs	A	exc								Daytona Beach Shores (appt. 8/12)
Jeff Hodge			N	x								DeBary (appt. 3/15)
Ted Wendler	exc	x	C	x								DeLand (appt. 05/11) (appt. 6/14)
Scott Leisen	abs	x	E	x								Deltona (appt. 12/12)
Michelle Grenham	x	exc	L	x								Edgewater (appt. 1/08)
Paul Eik	x	x	L	exc								Flagler Beach (appt. 7/14)
John Kerr	x	x	E	x								Flagler County (appt 10/14)
Nic Mostert (Vice Chairman)	x	exc	D	x								New Smyrna Beach (appt. 03/15)
Bob Storke (Chairman)	x	x	C	x								Orange City (appt. 12/07)
Phyllis Campbell	x	x	A	x								Ponce Inlet (appt. 11/06)
Colleen Nicoulin	x	x	N	x								Port Orange (appt. 7/11)
Bill Pouzar	abs	x	E	x								Volusia County (appt. 12/10) D-5 (Northey)
Roy Walters/Jason Aufdenberg	x	x	L	x								Volusia County At-Large (appt. 03/05) (alt appt 07/12)
Kevin Phelps	x	exc	L	x								Volusia County (reapp 02/13) D-1 (Patterson)
Patricia Lipovsky	exc	abs	E	abs								Volusia County (app 2/14) (Wagner)
Alice Haldeman	x	x	D	x								Volusia County (appt. 04/13) D-3 (Denys)
<u>NON-VOTING MEMBERS</u>												
Doug Gutierrez	x	x		x								Flagler County (01/15)
Heidi Petito	abs	abs		abs								Flagler County Transit (appt 9/14)
Gwen Perney	x	x		x								Large City - Port Orange (appt. 10/13)
Jessie Clark	abs	abs		exc								Volusia County School District (appt. 05/13)
John Cotton/Rickey Mack	exc	x		exc								Votran (appt. 07/13)
Melissa Winsett	exc	x		x								Volusia County (02/14)
Deborah Tyrone	x	x		x								FDOT (appt 12/13)
QUORUM	Y	Y		Y								

Vacancies
Bunnell
Beverly Beach
Flagler County School Board
Holly Hill
Lake Helen
Oak Hill
Ormond Beach
Palm Coast
Pierson
Small City Alliance
South Daytona

January - December 2015



**BPAC Project Review Subcommittee
Meeting Summary
April 23, 2015**

- Elected Mr. Jason Aufdenberg as Chairman and Mr. Jessie Clark as Vice Chairman of the BPAC Project Review Subcommittee
- Evaluated and ranked 18 Bicycle/Pedestrian project applications
- Evaluated and ranked one Regional Trail project application

****No further meetings of the BPAC Project Review Subcommittee
have been scheduled****



OUTDOOR RECREATION & TRAILS!

CONNECTING THE DOTS BETWEEN TRAILS & TOURISM

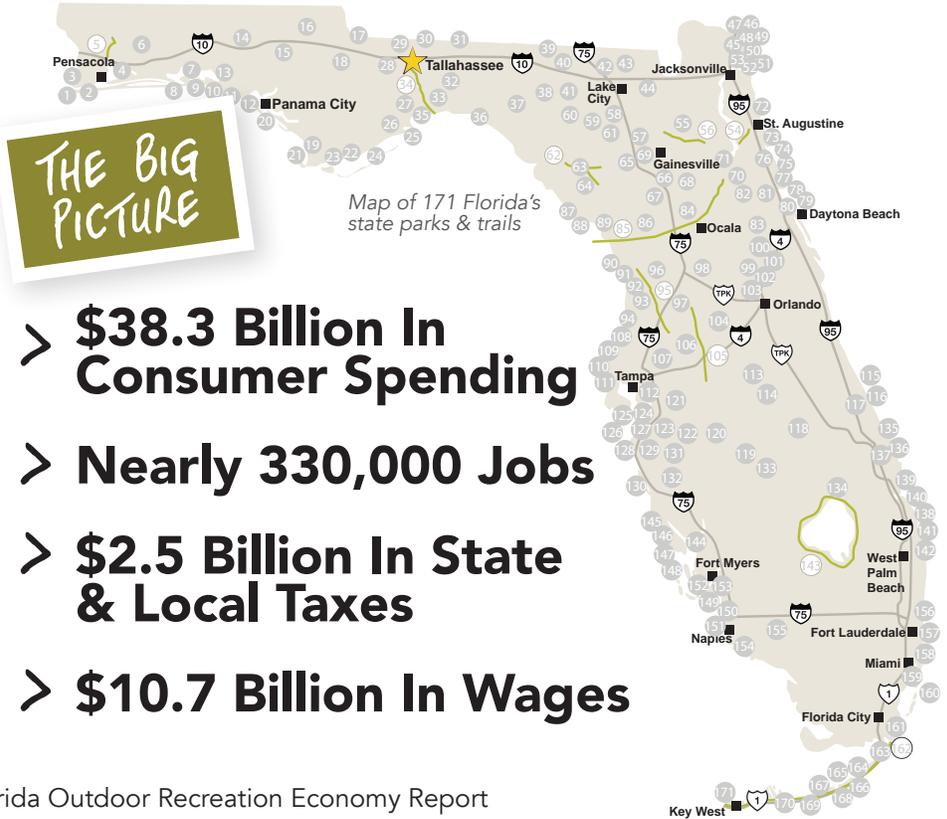


FLORIDA State Parks
...The Real Florida™



Recreation has long served as an economic driver in Florida, as the state remains a major destination for national and international tourism.

Outdoor Industries Association, 2012. The Florida Outdoor Recreation Economy Report



FLORIDA STATE PARK VISITATION GENERATES NEARLY \$2.1 BILLION ON LOCAL ECONOMIES

With more than 1,600 miles of multi-use trails, Florida State Parks receive over 27 million visitors annually, creating 29,396 jobs.

Honeymoon Island State Park had the greatest local economic impact totaling \$85.9 million.

x 1,000 VISITORS = ~\$86,000₂ DIRECT LOCAL IMPACT
²ibid

"The West Orange, Little Econ, and Cady Way trails in Orange County supported 516 jobs and an estimated economic impact of \$42.6 million in 2010."

East Central Florida Regional Planning Council (2011)



> Every \$1 spent on biking trails and walking paths could save approximately \$3 in medical expenses (American Heart Association)

> Every \$1 million spent on trails yields 9.6 jobs (University of Massachusetts, 2011)

TRAIL FACTS



➤ Trails add value to new homes and consistently remain the number one community amenity sought by prospective homeowners

(National Association of Homebuilders, 2008).

A 2011 study by the University of Cincinnati found that homes within 1000 ft. access to the Little Miami Scenic Trail increased in value by \$9K. The scenic, multipurpose trail beckons walkers, hikers, skaters and bicycle enthusiasts and also has horseback riding paths.

WHAT ARE FLORIDA VISITORS & RESIDENTS DOING OUTDOORS?

VIEWING WILDLIFE

The second most popular outdoor activity for both residents and visitors (SCORP 2011) and brings in almost **\$5 billion annually** to the state's economy.

Florida's rich diversity of wildlife attracts millions of visitors to public lands such as Florida's 171 State Parks, of which 96 are included as sites on the **Great Florida Birding and Wildlife Viewing Trail**.

PADDLING

During a year of average river flows, annual park attendance at **Suwannee River State Park** is usually more than 700,000 with **direct economic impact**

more than \$30 million, according to the Florida Park Service.

BIKING

According to the 2013 SCORP, nearly **25 million residents and tourists participate in bicycling in Florida annually**.

More than 18.4 million on paved trails and nearly 6.5 million on unpaved trails.

Biking paths are the second most desired facility for Florida residents.

EQUESTRIAN ACTIVITIES

According to the Florida Department of Agriculture and Consumer Services, the **equestrian industry's economic impact on the gross state product is \$6.5 billion**.

Florida's State Parks offer 1,889 miles of equestrian trails.

The 2011 Outdoor Recreation Participation study highlights the tight link between recreation and tourism in Florida, determining:

98%

of Florida's tourists believe that outdoor recreation is important to them.

97%

of tourists are satisfied with outdoor recreation opportunities in the state.

75%
(nearly)

of all Florida visitors participate in nature-based activities during their visit (Visit Florida, 2012).

Trails boost fitness and well-being, a connection with the outdoors and economic growth.

Visit www.dep.state.fl.us/gwt/ to find trail near you.

MAY IS BIKE MONTH



With so many reasons to ride, what's yours?

I RIDE FOR CLEANER AIR.



I RIDE TO ENJOY A LIFELONG SPORT.



I RIDE TO SAVE MONEY ON GAS.



I RIDE TO FEEL THE WIND ON MY FACE.



I BIKE TO THE BUS TO GET PLACES FASTER.



I RIDE FOR LESS TRAFFIC.



I RIDE BECAUSE IT MAKES MY BUSINESS RUN BETTER.



I RIDE TO TURN MY COMMUTE INTO A WORKOUT.



I RIDE TO CREATE A HEALTHIER COMMUNITY FOR MY KIDS.



#BIKEMONTH BIKELEAGUE.ORG/BIKEMONTH



River to Sea TPO Board

April 22, 2015

Meeting Summary

- Deferred action on Resolution 2015-09 adopting the Regional Trails Corridor Assessment (RTCA) Report until the May TPO Board meeting
- Received public comments opposing the New Smyrna Beach Paige Avenue Feasibility Study
- Approved the consent agenda including the approval of the February 25, 2015 TPO Board meeting minutes and the Executive Director's contract
- Approved Resolution 2015-10 amending the FY 2014/15-2018/19 Transportation Improvement Program (TIP) with the following modifications: revised local match estimate for the Seminole Woods Trail Multiuse Path, removed the Lake Harney Road Bridge project and moved the funding from FY 2015/16 to FY 2014/15 for Votran's Section 5339 funding
- Received a PowerPoint presentation on SunRail Service
- Approved a motion for the TPO to send a letter of support from the TPO Acting Chairman to FDOT for the SunRail TIGER grant application
- Received a status update on the SR 417 to I-95 Connector Study
- Approved a motion to send a letter of support from the TPO Acting Chairman in support of a request by Edgewater and Deltona to use planning study funds earmarked for the I-95 to SR 415 Connector Study; the letter will be send to the Volusia County Council, the Central Florida Expressway Authority and the Florida Turnpike Authority

- Received a presentation on 2040 Long Range Transportation Plan (LRTP) Trend and Modified Land Use Alternatives and informed that the list of projects would be emailed out to the TPO Board members for their review
- Received a PowerPoint presentation on the Transit Development Design Guidelines
- Received the FDOT report and update on the I-4 Ultimate project
- Received Executive Director's report including a draft summary report on the annual TPO Retreat and current legislation
- Received member comments regarding Paige Avenue in New Smyrna Beach

The next River to Sea TPO Board meeting will be on Wednesday, May 27, 2015