River To Sea TPO
TCC Meeting
River To Sea TPO Offices
May 15, 2018
AGENDA

- Introductions
- Study Purpose & Scope
- Study Benefits & Schedule
- Coordination with Other Studies & Plans
- Travel Pattern and Market Analysis
  - MPO / TPO – urbanized area
  - County to County
  - Top 10 Major Activity Centers
- Identification of High Capacity Corridors – Local Context
- Summary of Work Completed to Date
- Initial Presentation of Conceptual Regional Transit Vision Framework
- Next Steps
STUDY PURPOSE

1. Establish a Base Transit Condition / Identify Gaps

2. Identify Existing and Future Funding Gaps
   - Identify Potential Funding Sources

3. Analyze Existing Transit Supportive Plans and Policies

4. Estimate Regional Desire Lines
   - Estimate Transit Market Demand-Patronage Forecast Ranges (2040/2060)
   - Identify Strong Candidate Corridors for Higher Capacity Transit

5. Identify of the Conceptual Regional Transit Vision Framework
   - Identify Interim and Long Term High Priority Transit Investments
   - Develop Strategies for Advancing Conceptual Regional Transit Vision Framework
Study Scope

- Task 1: Data Collection
- Task 2: Transit Investment And Policy Assessment
- Task 3: Regional Travel Pattern And Market Analysis
- Task 4: Regional Transit Vision Framework
- Task 5: Study Coordination/Meetings
RTS Benefits

- Assist in implementing new MPO coordination and tourism regulations
- Identify and coordinate cross-jurisdictional regional transit projects
- Establish base future transit projects (2030)
- Identify future (2040/2060) transit projects and gap between base and future
- Provide a reasonable method to identify "buildable" transit projects
- Provide a suggested strategy to prioritize and implement regional transit projects
- Provide information and analysis that will assist immediate projects with FTA new/small starts process (land use/finance)
# RTS Schedule

**Notice to Proceed**: N

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<tr>
<th>Project Task</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
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<td>Regional Transit Study</td>
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<td>Task 1: Data Collection</td>
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<td>Task 3: Regional Travel Pattern and Market Analysis</td>
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**Legend**

- Notice to Proceed: N
- Duration of Task for RTS

**Central Florida Regional Transit Study**
# Project Advisory Group (PAG)

<table>
<thead>
<tr>
<th>Name</th>
<th>Agency / Organization</th>
<th>Title</th>
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<tbody>
<tr>
<td>Virginia Whittington</td>
<td>MetroPlan Orlando</td>
<td>Director of Regional Partnerships</td>
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<tr>
<td>Harry Barley</td>
<td>MetroPlan Orlando</td>
<td>Executive Director</td>
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<tr>
<td>Bob Kamm</td>
<td>Space Coast TPO</td>
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<tr>
<td>Lois Bollenback</td>
<td>River to Sea TPO</td>
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<td>Michael Daniels</td>
<td>Ocala Marion TPO</td>
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<tr>
<td>Mike Woods</td>
<td>Lake~Sumter MPO</td>
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<tr>
<td>Ronnie Blackshear</td>
<td>Polk TPO</td>
<td>Director</td>
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<tr>
<td>Jennifer Carver</td>
<td>FDOT - Central Office Representative</td>
<td>Statewide Growth Management Coordinator</td>
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<tr>
<td>Brenda Young</td>
<td>FDOT - District Five Representative</td>
<td>Passenger Operations Manager</td>
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<tr>
<td>Paul Simmons</td>
<td>FDOT - District One Representative</td>
<td>Intermodal System Development Manager</td>
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<td>PAG Meeting</td>
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<td>Alliance Meeting</td>
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<td>Kick-Off</td>
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<td>January 13, 2016</td>
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Coordination with Other Studies & Plans

- MPO/TPO LRTP – Cost Feasible / Needs Networks
- Transit Agency Transit Development Plans
- East Central Florida Corridor Evaluation Study
- Districtwide Multimodal Assessment
- SIS Needs Plan
- How Shall We Grow: A Shared Vision for Central Florida
- FDOT – Intercity Bus Services
- Comprehensive Plans
- North Ranch Master Plan
Existing Transit Routes

- SunTran - Marion
- Votran - Volusia
- LakeXpress – Lake
- Sumter County Transit
- LYNX – Seminole, Orange & Osceola
- Winter Haven Area Transit
- Citrus Connection
- Space Coast Area Transit
Premium Transit

- SunRail Phase 1
- SunRail Phase 2 South
Premium Transit

- SunRail Phase 1
- SunRail Phase 2 South
- LYMMO Lime
- LYMMO Orange Downtown
- LYMMO Orange North Quarter
- LYMMO Grapefruit
Cost Feasible Network

Ocala / Marion TPO
- SE LRT
- SE Commuter Rail
- SE BRT CR 464
- SE BRT US 27 / US 441

MetroPlan Orlando
- 2030 LYNX Vision Corridors – high capacity only
- US 192
- US 441
- SR 436
- SR 50
- OIA Connector
- BrightLine (private)

River To Sea TPO
- SunRail Phase 2 North

Polk County TPO
- SunRail Extension to Lakeland
Needs Network

**MetroPlan Orlando**
- NW Corridor Extension to Tavares
- HSR Orlando to Tampa

**Polk County TPO**
- SunRail Extension to Hillsborough County Line
- HSR Orlando to Tampa

**Space Coast TPO**
- US 1 / FEC Commuter Rail
- US 1 BRT
- SR 520 BRT
- Fiske/Stadium BRT
- Wickham/Minton BRT
- Babcock BRT
- SR A1A BRT
- US 192 BRT
Regional Gaps

- Ocala / Marion - Lake / Orange County
- Ocala / Marion - Volusia County
- East-West Volusia County
- Seminole County - Brevard County
- Orange County - Brevard County
- Osceola County - Brevard County
- Polk County - Lake County
Travel Pattern And Market Analysis

- 2040 / 2060 Travel Market Demand (Source: CFRPM v6.1)
- 2040 and 2060 Regional Desire Lines - 3 Levels of Travel Analysis
  - MPO/TPO Urbanized Area
  - County to County
  - Top 10 Major Activity Centers
2040 Average Weekday Productions from River to Sea Urbanized Area (UA)*

- **MPO/TPO Urbanized Areas to:**
  - Non-Urbanized Area (Counties)
  - Other Urbanized Areas

- Intra River To Sea Urbanized Area Trip Volumes noted at bottom of maps

- 2040 & 2060 Trip Productions

* 2040 River to Sea UA to River to Sea UA avg. weekday productions = 1,175,294.
Source: CFRPM v6.1
2040 Average Weekday Productions from River to Sea Urbanized Area (UA)*

UA includes only the urbanized area of each metropolitan planning agency (depicted in the darker shades).
Avg. weekday productions to the counties include only the non-urbanized areas (depicted in the lighter shades).

* 2040 River to Sea UA avg. weekday productions = 1,175,294.
Source: CFRPM v6.1

2060 Average Weekday Productions from River to Sea Urbanized Area (UA)*

UA includes only the urbanized area of each metropolitan planning agency (depicted in the darker shades).
Avg. weekday productions to the counties include only the non-urbanized areas (depicted in the lighter shades).

* 2060 River to Sea UA avg. weekday productions = 1,293,287.
2040 River to Sea UA avg. weekday productions = 1,175,294.
Source: CFRPM v6.1
# MPO/TPO Urbanized Area 2040 Trip Productions

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<thead>
<tr>
<th>TRIPS</th>
<th>From Urban Area / Non-Urban Area (County)</th>
<th>To Urban Area / Non-Urban Area (County)</th>
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<td>332,009</td>
<td>MetroPlan UA</td>
<td>Orange County</td>
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<td>261,636</td>
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<td>249,012</td>
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<td>241,206</td>
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<td>219,020</td>
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<td>212,235</td>
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<td>Brevard County</td>
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<td>181,223</td>
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<td>164,532</td>
<td>Marion County</td>
<td>Ocala Marion UA</td>
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<td>156,162</td>
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<td>155,075</td>
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<td>133,203</td>
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<td>111,370</td>
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2040 Productions from Volusia County*

- **Inter County Trips**
- **Intra County Trip Volumes noted at bottom of map**
- **2040 & 2060 Trip Productions**

*Intra county productions = 1,597,649.
2040 Productions from Volusia County

* Intra county productions = 1,597,649.

2060 Productions from Volusia County

* Intra county productions = 1,857,134.
2040 Productions from Flagler County

Intra county productions = 305,189.

2060 Productions from Flagler County

Intra county productions = 404,615.
## County to County
### 2040 & 2060 Trip Productions > 100K

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<tr>
<th>2040 TRIPS</th>
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<td>799,462</td>
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<td>497,545</td>
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<td>359,917</td>
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<td>235,904</td>
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<td>116,729</td>
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<td>111,713</td>
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<td>105,708</td>
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<td>103,247</td>
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<td>Volusia</td>
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Major Activity Centers

- Top 10 Major Activity Centers
- Top 20 Trip Productions
- Percentage of person trips represented by all district trips (noted at bottom of map)
- 2040 & 2060 Trip Productions
Top 20 2040 Productions from Daytona Beach\(^3\) and Kissimmee\(^4\)

Rank 3 - Represents 96% of person trips from Daytona Beach. Intra district productions = 100,851.
Rank 4 - Represents 97% of person trips from Kissimmee. Intra district productions = 64,780.

Top 20 2060 Productions from Daytona Beach\(^3\) and Kissimmee\(^5\)

Rank 3 - Represents 95% of person trips from Daytona Beach. Intra district productions = 336,917.
Rank 5 - Represents 95% of person trips from Kissimmee. Intra district productions = 206,765.
Top 20 2040 Productions from Disney and Palm Coast

Rank 7 - Represents 97% of person trips from Disney. Intra district productions = 72,666.
Rank 8 - Represents 92% of person trips from Palm Coast. Intra district productions = 67,663.

Top 20 2060 Productions from Disney and Palm Coast

Rank 4 - Represents 95% of person trips from Disney. Intra district productions = 247,228.
Rank 9 - Represents 93% of person trips from Palm Coast. Intra district productions = 225,286.
### Top 10 Major Activity Centers

<table>
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<th>Year 2040</th>
<th>Year 2060</th>
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<tr>
<td>1. Orlando</td>
<td>1. Orlando</td>
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<tr>
<td>2. Lakeland</td>
<td>2. Lakeland</td>
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<tr>
<td>3. Daytona Beach</td>
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<tr>
<td>5. Palm Bay</td>
<td>5. Kissimmee</td>
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<tr>
<td>6. Winter Haven</td>
<td>6. Palm Bay</td>
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<td>7. Disney</td>
<td>7. Winter Haven</td>
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<tr>
<td>8. Palm Coast</td>
<td>8. Ocala</td>
</tr>
<tr>
<td>9. Ocala</td>
<td>9. Palm Coast</td>
</tr>
<tr>
<td>10. Melbourne</td>
<td>10. Leesburg</td>
</tr>
<tr>
<td>13. Leesburg</td>
<td>12. Melbourne</td>
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## Top 10 Major Activity Centers

**Year 2040:** 125,449 Trips – Orange County to Orlando

**Year 2060:** 12 Activity Center to Activity Center > 100K

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<tr>
<th>2040 TRIPS</th>
<th>2060 TRIPS</th>
<th>From Activity Center</th>
<th>To Activity Center</th>
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<td>125,449</td>
<td>397,062</td>
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<td>Orlando</td>
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Findings

- No significant Regional Travel Markets justifying Major 10 County Transit Capital Investment
  - No regional travel markets exceeding 100k daily trips threshold
- Regional Service Demand valid for supportive transit services
  - Enhance Regional and Local bus networks
  - Support Current and Future Private Providers
  - Enhance network with sub-regional and market driven capital infrastructure investments
- Significant Local Travel Markets within urbanized areas
  - Several localized urban area to county travel markets exceeding 100k daily trips threshold
- Existing SunRail corridor support future Orlando Urban Area and Regional north-south demands
  - Build upon this corridor investment for significant Intra-Urban area investments
Summary of Work Completed to Date

1. Base Conditions/Databases
2. Assessment of MPO/TPO Plans and Programs
3. Assessment of Transit Agency Plans and Programs
4. Projected 2040/2060 Travel Desire Lines between:
   - MPO/TPOs
   - Counties
   - Major Activity Centers
5. Assessment of Local Land Use Plans and Land Development Policies
6. Assessment of Transit Funding and Presentation of Potential Sources
Conceptual Regional Transit Vision Framework

SUNRAIL

- The extension of the SunRail commuter rail system into Polk County, with future stations at Haines City, Auburndale and Lakeland.
- The extension of SunRail to DeLand in Volusia County.

BRIGHTLINE

- From a local standpoint, possible commuter rail along the FEC corridor, with the Brevard TPO plan proposed regional commuter rail stops at the rail stations in Titusville, Cocoa, Eau Gallie, Melbourne and Palm Bay; and potential new station locations at Melbourne International Airport and the Space Coast Regional Airport in Titusville.
- For the Regional Transit Vision Framework, a future Brightline intercity rail station near Cocoa (possibly at the Brevard identified Clearlake Road location), and another near midpoint along SR 528 to serve the Northeast Sector/Ranch development.

PRIVATE BUS

- As noted in MPO/TPO plans in handout.

MPO/TPO ELEMENTS

- 2040/2060 Graphics on screen and handout.
Next Steps/Path Forward

- Present to MPO/TPO Boards
- Produce Final Draft for PAG Review
- Present Final Plan to PAG; then MPO Alliance
Thank You!