SIS 2045
ABM Zonal DATA
Projections
Added Benefits Beyond the SIS Study

Preview of 2045 LRTP Updates

Provide some insight into the potential issues that may be encountered in the zonal data development and level of service analysis for the next 2045 LRTP updates by the MPOs.
Strategic Investment System (SIS)

- The SIS is a statewide network of high priority transportation facilities identified as critical for statewide and interregional travel.
- Includes Airports, Highways, Seaports, Spaceports, and Transit. (Freight will be included in the Aviation, Seaport and Rail component.)
2045 Multi-Modal Unfunded Needs Plan

- Conduct a regional needs assessment for 2045 using SERPM and TCRPM to confirm or add projects for the updated SIS Needs Plan.
- To identify the unfunded major transportation capacity improvements needed for designated and proposed SIS facilities.
- Begin the process to move them into the Cost Feasible Plan and ultimately securing the necessary funding for those projects.
General Approach

- Create 2045 TCRPM and SERPM ABM zonal data files.
- Run the TCRPM and SERPM ABM model with 2040 Cost Feasible highway and transit network.
- Identify and evaluate deficiencies with network analyst.
- Use results to help confirm/modify projects in current SIS Needs Plan.
2045 ABM Zonal Data Development

• Use the latest BEBR 2045 Medium Projections.
• Build up from the 2040 Plus data to create 2045 zonal data.
• Use best available local data to identify 2040-2045 growth at the TAZ and MAZ level.
Population Control Totals

Two Alternative Growth Scenarios

- BEBR 2045 Medium Projections
- Extrapolation of 2040 LRTP Data to 2045
More growth to allocate in last 5 years than in previous 30 years for LRTP. Implication is significantly more improvements needed in the SIS analysis.
Indian River County Population Growth

- BEBR New
- BEBR Old
- LRTP

- 2010: 130,000
- 2015: 140,000
- 2020: 150,000
- 2025: 160,000
- 2030: 170,000
- 2035: 180,000
- 2040: 190,000
- 2045: 200,000

- 2010: 77,065
- 2015: 66,056
- 2020: 11,009
# 2040 Plus – 2045 Growth

<table>
<thead>
<tr>
<th>County</th>
<th>LRTP 2045 Extrapolation</th>
<th>BEBR 2045 Medium</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Population</td>
<td>Employment</td>
</tr>
<tr>
<td>Indian River County</td>
<td>11,009</td>
<td>4,965</td>
</tr>
<tr>
<td>St. Lucie County</td>
<td>29,757</td>
<td>9,938</td>
</tr>
<tr>
<td>Martin County</td>
<td>6,852</td>
<td>3,998</td>
</tr>
<tr>
<td>Palm Beach County</td>
<td>59,146</td>
<td>30,608</td>
</tr>
<tr>
<td>Broward County</td>
<td>28,483</td>
<td>17,585</td>
</tr>
<tr>
<td>Miami-Dade County</td>
<td>129,269</td>
<td>65,065</td>
</tr>
</tbody>
</table>
Treasure Coast
2040 – 2045
Growth
TCRPM Approach

• Use the same ULAM land use allocation model setup that was used for the 2040 LRTP data development.
• Update the control totals for each county to 2045 for each growth scenario.
• Rerun the land use allocation model and generate the 2045 ABM zonal data files.
SERPM
2040 – 2045
Growth
Palm Beach County Approach

- Use approved development data maintained by the PBC Engineering Department (TPS database).
- Compute development capacity and subtract growth already accounted for in the 2040 Plus data file.
- Use additional projections developed by the PBC Planning Dept. for residential growth.
- Refine and adjust with MPO staff input.
- Convert to ABM data and format at the TAZ and MAZ level.
Broward County Approach

• Use current parcel data to identify vacant buildable land and potential redevelopment areas.
• Compute development capacity and subtract growth already accounted for in the 2040 Plus data file.
• Convert to ABM data and format at the TAZ and MAZ level.
Based upon zoning and future land use.
Broward County
2040 Plus - 2045

- SIS Hubs
- SIS Roads
- Population Growth 2040-2045
  - 1 Dot = 100
- Major Roads
Broward County
2040 Plus - 2045

- SIS Hubs
- SIS Roads
- Employment Growth 2040-2045
  - 1 Dot = 100
- Major Roads
Miami-Dade County Approach

• No approved development data available from the County at this time.
• No other data provided by the County regarding future growth beyond 2040.
• Used a linear extrapolation approach temporarily until better data or projections are provided by the County.
Use of the 2045 Zonal Data

- The Corradino Group has setup and are currently running the TCRPM and SERPM ABM models with the data.
- The results of their analysis is expected in the next few weeks.
- These 2045 projections will also be used by FDOT Central Office to update and run the Statewide model.
End