Congestion Management Process

2016 Update
What is a Congestion Management Process?

- Required of MPOs
- Monitor performance of transportation system
- Track trends/progress
- “What’s important gets measured, what gets measured is important”
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EXECUTIVE SUMMARY

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SECTION 2: DEFINE THE CMP NETWORK

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5 CMP Goals Reflect 10 Guiding Principles of the 2040 LRTP

1. Vehicular Transportation
   - Provide an efficient and reliable vehicular transportation system

2. Mass Transit
   - Prioritize an efficient and interconnected mass transit system

3. Non-Motorized
   - Prioritize a safe and convenient non-motorized transportation network

4. Freight Movement
   - Maximize the efficient movement of freight through the region

5. Social & Environmental
   - Preserve and enhance social and environmental resources
# Palm Beach MPO Congestion Management Process 2016 Annual Report Card

## 2040 LRTP Goals & Objectives

### Goal 1: Vehicular Transportation
- **Provide an efficient and reliable vehicular transportation system**
- Indicators:
  - Progressed
  - Needs Improvement
  - No Change

### Goal 2: Mass Transit
- **Prioritize an efficient and interconnected mass transit system**
- Indicators:
  - Progressed
  - Needs Improvement
  - No Change

### Goal 3: Non-Motorized
- **Prioritize a safe and convenient non-motorized transportation network**
- Indicators:
  - Progressed
  - Needs Improvement
  - No Change

### Goal 4: Freight Movement
- **Maximize the efficient movement of freight through the region**
- Indicators:
  - Progressed
  - Needs Improvement
  - No Change

### Goal 5: Social & Environmental
- **Preserve and enhance social and environmental resources**
- Indicators:
  - Progressed
  - Needs Improvement
  - No Change
GOAL 1

VEHICULAR TRANSPORTATION

Provide an efficient and reliable vehicular transportation system

INDICATORS
- Green: progressed
- Red: needs improvement
- Gray: no change

1. Reduce the number of throughfare intersections with critical sum > 1,400
   - Existing: 38
   - 2014: 40
   - Target: 30/25 (2025/2040)

2. Increase the % of traffic signals connected to the control system by fiber optic network
   - Existing: 81%
   - 2014: 78%
   - Target: 85%/90% (2025/2040)

3. Increase the % of principal arterials covered by closed circuit TV cameras
   - Existing: 55%
   - 2014: 55%
   - Target: 65%/75% (2025/2040)

4. Increase the percentage of traffic signals with operable vehicle detection
   - Existing: 87%
   - 2014: 75%
   - Target: 85%/95% (2025/2040)

5. Increase the % of facilities that accommodate 2 ft. sea level rise
   - SIS Network
     - Existing: 99%
     - 2014: 99%
     - Target: 90%/90% (2025/2040)
   - Non-SIS Throughfare Network
     - Existing: 99%
     - 2014: 99%
     - Target: 75%/75% (2025/2040)
GOAL 2: MASS TRANSIT

Prioritize an efficient and interconnected mass transit system

Increase the % of transit mode choice

- **Existing:** 1.9%
- **2014:** In 1.6%
- **2025/2040 Target:** 3%/5%

Increase passenger trips per revenue mile

**Tri-Rail Service**
- **Existing:** 1.29
- **2014:** 1.36
- **2025/2040 Target:** 1.5/2.0

**Palm Tran Fixed Route Service**
- **Existing:** 1.56
- **2014:** 1.61
- **2025/2040 Target:** 2.0/2.5

Increase the number of park-n-ride spaces

- **Existing:** 2,308
- **2014:** 2,196
- **2025/2040 Target:** 3,000/4,000

Reduce the average ratio of transit travel time to auto travel time for Palm Tran fixed route system

- **Existing:** 2.52
- **2014:** 2.87
- **2025/2040 Target:** 2.50/2.00
GOAL 3

NON-MOTORIZED

Prioritize a safe and convenient non-motorized transportation network

Increase the % of

<table>
<thead>
<tr>
<th>Pedestrian Mode Choice</th>
<th>Bicycling Mode Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.6% EXISTING</td>
<td>0.5% EXISTING</td>
</tr>
<tr>
<td>1.7% IN 2014</td>
<td>0.5% IN 2014</td>
</tr>
<tr>
<td>3.5%/5% 2025/2040 TARGET</td>
<td>1.5%/3% 2025/2040 TARGET</td>
</tr>
</tbody>
</table>

Increase the centerline mileage of

<table>
<thead>
<tr>
<th>Buffered Bike Lanes</th>
<th>10 ft. or Wider Shared Use Pathways</th>
<th>Designated Bike Lanes</th>
<th>Priority Network Operating at LOS C or Better</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 EXISTING</td>
<td>50 EXISTING</td>
<td>160 EXISTING</td>
<td>158 EXISTING</td>
</tr>
<tr>
<td>8 IN 2014</td>
<td>25 IN 2014</td>
<td>125 IN 2014</td>
<td>140 IN 2014</td>
</tr>
<tr>
<td>50/100 2025/2040 TARGET</td>
<td>75/125 2025/2040 TARGET</td>
<td>250/500 2025/2040 TARGET</td>
<td>350/500 2025/2040 TARGET</td>
</tr>
</tbody>
</table>

Increase % of throughfare mileage near transit hubs that provide dedicated

<table>
<thead>
<tr>
<th>Bicycle Facilities (within 3 miles)</th>
<th>Pedestrian Facilities (within 1 mile)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7% EXISTING</td>
<td>85% EXISTING</td>
</tr>
<tr>
<td>10% IN 2014</td>
<td>85% IN 2014</td>
</tr>
<tr>
<td>20%/40% 2025/2040 TARGET</td>
<td>100/100% 2025/2040 TARGET</td>
</tr>
</tbody>
</table>

INDICATORS

- GREEN: PROGRESSED
- RED: NEEDS IMPROVEMENT
- NO CHANGE

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GOAL 4
FREIGHT MOVEMENT
Maximize the efficient movement of freight through the region

Decrease the % of SIS facilities, SIS connectors, and non-SIS designated truck routes that exceed capacity (v/c>1.1)

- **Existing:** 8.4%
  - **In 2014:** 3.3%
  - **2025/2040 Target:** 2.5%/1.5%

Increase the annual tonnage of freight through

- **Port of Palm Beach:**
  - **Existing:** 1.96M
  - **In 2014:** 2.14M
  - **2025/2040 Target:** 2.5M/3.0M

- **Palm Beach International Airport:**
  - **Existing:** 26K
  - **In 2014:** 22K
  - **2025/2040 Target:** 25K/35K
GOAL 5 SOCIAL & ENVIRONMENTAL
Preserve and enhance social and environmental resources

- Decrease per capita daily fuel use (gallons/person)
  - Existing: 1.54
  - Target: 1.25/1.00

- Decrease per capita daily NO emissions (gallons/person)
  - Existing: 20
  - Target: 35/25

- Decrease per capita daily Carbon Monoxide emissions (gallons/person)
  - Existing: 160
  - Target: 300/250

- Decrease per capita daily Vehicles Miles Travelled (VMT/person)
  - Existing: 20.7
  - Target: 21/20

- Decrease per capita daily Hydrocarbon emissions (gallons/person)
  - Existing: 25
  - Target: 30/20

INDICATORS
- Green: Progressed
- Red: Needs Improvement
- Gray: No Change
Recommendations

• Prioritize projects that improve goal outcomes
• Revise goals to align with Federal performance measures
• Add safety measures
• Advance studies to assess strategies
• Focus on measures MPO can influence
Next Steps

• Annually update CMP Report Card