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”
CONTENTS

EXECUTIVE SUMMARY

SECTION 1: INTRODUCTION

SECTION 2: DEFINE THE CMP NETWORK

SECTION 3: DEVELOP REGIONAL GOALS, OBJECTIVES & PERFORMANCE MEASURES

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SECTION 5: EVALUATION OF ALTERNATIVE SOLUTIONS

SECTION 6: IMPLEMENTATION

SECTION 7: FEEDBACK

SECTION 8: CONCLUSIONS
*5 CMP Goals Reflect 10 Guiding Principles of the 2040 LRTP

**GOAL 1**
**VEHICULAR TRANSPORTATION**
Provide an efficient and reliable vehicular transportation system

**GOAL 2**
**MASS TRANSIT**
Prioritize an efficient and interconnected mass transit system

**GOAL 3**
**NON-MOTORIZED**
Prioritize a safe and convenient non-motorized transportation network

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

**GOAL 5**
**SOCIAL & ENVIRONMENTAL**
Preserve and enhance social and environmental resources
GOAL 1: VEHICULAR TRANSPORTATION
Provide an efficient and reliable vehicular transportation system

**Reduce the number of throughfare intersections with critical sum >1,400**

- **38 EXISTING**
- **40 IN 2014**
- **30/25 2025/2040 TARGET**

**Increase the % of traffic signals connected to the control system by fiber optic network**

- **81% EXISTING**
- **78% IN 2014**
- **85%/90% 2025/2040 TARGET**

**Increase the % of principal arterials covered by closed circuit TV cameras**

- **55% EXISTING**
- **55% IN 2014**
- **65%/75% 2025/2040 TARGET**

**Increase the percentage of traffic signals with operable vehicle detection**

- **87% EXISTING**
- **75% IN 2014**
- **85%/95% 2025/2040 TARGET**

**Increase the % of facilities that accommodate 2 ft. sea level rise**

<table>
<thead>
<tr>
<th>SIS Network</th>
<th>Non-SIS Throughfare Network</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>99% EXISTING</strong></td>
<td><strong>99% EXISTING</strong></td>
</tr>
<tr>
<td><strong>99% IN 2014</strong></td>
<td><strong>99% IN 2014</strong></td>
</tr>
<tr>
<td><strong>90%/90% 2025/2040 TARGET</strong></td>
<td><strong>75%/75% 2025/2040</strong></td>
</tr>
</tbody>
</table>
**GOAL 2: MASS TRANSIT**
Prioritize an efficient and interconnected mass transit system

**Increase the % of transit mode choice**

- **Existing:** 1.9%
- **In 2014:** 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
- **In 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

**Indicators**
- Green: Progressed
- Red: Needs Improvement
- Gray: No Change
## 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><strong>1.6% EXISTING</strong></td>
<td><strong>0.5% EXISTING</strong></td>
</tr>
<tr>
<td><strong>1.7% IN 2014</strong></td>
<td><strong>0.5% IN 2014</strong></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><strong>8 EXISTING</strong></td>
<td><strong>50 EXISTING</strong></td>
<td><strong>160 EXISTING</strong></td>
<td><strong>158 EXISTING</strong></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><strong>7% EXISTING</strong></td>
<td><strong>85% EXISTING</strong></td>
</tr>
<tr>
<td><strong>10% IN 2014</strong></td>
<td><strong>85% IN 2014</strong></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
- **Gray**: No Change
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)

- **8.4%** EXISTING
- 3.3% IN 2014
- 2.5%/1.5% 2025/2040 TARGET

Increase the annual tonnage of freight through

- **The Port of Palm Beach**
  - **1.96M** EXISTING
  - 2.14M IN 2014
  - 2.5M/3.0M 2025/2040 TARGET

- **Palm Beach International Airport**
  - **26K** EXISTING
  - 22K IN 2014
  - 25K/35K 2025/2040 TARGET
GOAL 5
SOCIAL & ENVIRONMENTAL
Preserve and enhance social and environmental resources

Decrease per capita daily fuel use (gallons/person)
- Existing: 1.236
- In 2014: 1.54
- Target: 1.25/1.00

Decrease per capita daily NO emissions (gallons/person)
- Existing: 20
- In 2014: 50
- Target: 35/25

Decrease per capita daily Carbon Monoxide emissions (gallons/person)
- Existing: 160
- In 2014: 400
- Target: 300/250

Decrease per capita daily Vehicles Miles Travelled (VMT/person)
- Existing: 20.7
- In 2014: 25
- Target: 21/20

Decrease per capita daily Hydrocarbon emissions (gallons/person)
- Existing: 25
- In 2014: 30
- Target: 20/10
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