EL PASO METROPOLITAN PLANNING ORGANIZATION

Transportation Policy Board Status Update

AUG 18, 2017
DESTINO 2045

→ 25-year Metropolitan Transportation Plan update
→ Air quality conformity analysis
→ Incorporation of FAST Act Performance Based Planning principles
→ Ensure MPO compliance with federal regulations
About Us

- Alliance Transportation Group (ATG)
  - 21 MTPs over past six years
  - Over 60 years of combined MPO experience
- JD Allen, AICP, TSSP-Rail
  - Project Manager
  - Led MPO in Lake Charles, LA; managed most of ATG’s MTPs
- Jonathan Mosteiro, AICP
  - Deputy Project Manager
  - Assisted JD in managing most recent MTPs
- Supported by multidisciplinary staff
<table>
<thead>
<tr>
<th>Task</th>
<th>2017</th>
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<th>2018</th>
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<td>Kickoff</td>
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<td>Project Call</td>
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<td>Visioning Process</td>
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<td>Goals/Objectives/Measures</td>
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<td>Multimodal Needs Assessment</td>
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<td>Alternatives Definition &amp; Testing</td>
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<td>Fiscal Analysis/Final Project List</td>
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<td>Air Quality Conformity</td>
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<td>Draft MTP</td>
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<td>Final MTP Adoption</td>
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PerformancE-based planning process

**Map 21 / Fast Act**

1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness.
2. Increase the safety of the transportation system for motorized and nonmotorized users.
3. Increase the security of the transportation system for motorized and nonmotorized users.
4. Increase accessibility and mobility of people and freight.
5. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns.
6. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight.
7. Promote efficient system management and operation.
8. Emphasize the preservation of the existing transportation system.
9. Improve resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation.
10. Enhance travel and tourism.

**Public Visioning Process**

**Community Values & Criteria Ranking**

**Prioritized List of Projects**

1. Project A
2. Project B
3. Project C
4. Project D

**National Goals**

1. Safety
2. Infrastructure Condition
3. Congestion Reduction
4. System Reliability
5. Freight Movement and Economic Vitality
6. Environmental Sustainability

**National Performance Measures**

**Planning-Level Performance Measures**

**Final MTP Project List**

**Performance Management**

**Tracking & Tip**

**Fiscal Constraints**

**Alternatives Development**

1. Alternative 1
2. Alternative 2
3. Alternative 3

**Alternative Comparison**

1
2
3
→ Conducted six public workshops over six days (May 1 – 6)
→ Attended by community members
→ Participants provided input through 4 guided exercises
  → Stakeholder identification
  → Current state of the system dialogue
  → Evaluation criteria ranking
→ 2045 Trends and Needs
VISIONING SURVEY

→ Workshops followed up by online survey, open mid-May to mid-June
  → 206 responses (195 English, 11 Spanish)
  → Same exercises as in-person workshops
  → Zip-code responses recorded home & work

Number of Surveys Received
- 1
- 2 - 5
- 6 - 10
- 11-15
STAKEHOLDER OUTREACH

→ One-on-one discussions with stakeholders
  → Public safety officials
  → Agency representatives
  → Community groups
  → Advocacy Organization
→ Ongoing outreach for groups under-represented at the public workshops and online surveys
→ Additional groups to engage:
  → Stormwater / Environmental
  → Tourism
### WHAT WE HEARD

<table>
<thead>
<tr>
<th>Evaluation Criteria</th>
<th>Final Rank</th>
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<tbody>
<tr>
<td>Improve Safety</td>
<td>1</td>
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<tr>
<td>Improve Quality of Life</td>
<td>2</td>
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<tr>
<td>Reduce Congestion</td>
<td>3</td>
</tr>
<tr>
<td>Protect Environment</td>
<td>4</td>
</tr>
<tr>
<td>Improve Security</td>
<td>5</td>
</tr>
<tr>
<td>Increase Connections</td>
<td>6</td>
</tr>
<tr>
<td>Improve Access</td>
<td>7</td>
</tr>
<tr>
<td>Connect Modes of Travel</td>
<td>8</td>
</tr>
<tr>
<td>Increase Multi-modal Options</td>
<td>9</td>
</tr>
<tr>
<td>Promote Efficiency</td>
<td>10</td>
</tr>
<tr>
<td>Support Economic Goals</td>
<td>11</td>
</tr>
<tr>
<td>Conserve Energy</td>
<td>12</td>
</tr>
<tr>
<td>Support Land Use Goals</td>
<td>13</td>
</tr>
<tr>
<td>Preserve Right-of-Ways</td>
<td>14</td>
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</tbody>
</table>

→ Safety and quality of life were consistent concerns, particularly for non-motorized transportation

→ East EP County frequently cited as high-growth region with increasing transportation needs

→ Desire for connectivity and coordination with New Mexico & Las Cruces
“A seamless and reliable multimodal network which enables connectivity, promotes quality of life and economic wellbeing, and preserves the human environment.”
GOALS & OBJECTIVES

FAST Act National Goals

- **Safety** – Achieve a significant reduction in traffic fatalities and serious injuries on all public roads.

- **Infrastructure Condition** – Maintain the highway infrastructure asset system in a state of good repair.

- **Congestion Reduction** – Achieve a significant reduction in congestion on the National Highway System.

- **System Reliability** – Improve the efficiency of the surface transportation system.

- **Freight Movement and Economic Vitality** – Improve the national freight network, strengthen the ability of rural communities to access national and international trade markets, and support regional economic development.

- **Environmental Sustainability** – To enhance the performance of the transportation system while protecting and enhancing the natural environment.
POTENTIAL MTP GOALS

→ Safety
→ Maintenance & Operations (Infrastructure Condition)
→ **Mobility** (Congestion Reduction & System Reliability)
→ Accessibility & Travel Choice*
→ *(Environmental) Sustainability*
→ *(Freight Movement &) Economic Vitality*
→ Quality of Life*

*Goals added/modified based on feedback from visioning workshops, surveys, and stakeholder interviews*
MEASURING PERFORMANCE

→ MTP Performance Measures = Planning/Programming
  → Rely on the ability to forecast/estimate
  → Useful for comparing potential outcomes to determine a preferred outcome

→ USDOT Perf. Mgmt Measures = Tracking Progress/Implementation
  → Rely on observed data trends
  → Useful for understanding whether region is moving towards established benchmarks
PERFORMANCE-BASED PLANNING PROCESS

MAP 21 / FAST ACT
METROPOLITAN PLANNING FACTORS

1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness.
2. Increase the safety of the transportation system for motorized and nonmotorized users.
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9. Improve resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation.
10. Enhance travel and tourism.

PUBLIC VISIONING PROCESS

COMMUNITY VALUES & CRITERIA RANKING

PROJECT SELECTION PROCESS

MTP GOALS & OBJECTIVES

NATIONAL GOALS
1. Safety
2. Infrastructure Condition
3. Congestion Reduction
4. System Reliability
5. Freight Movements
6. Economic Vitality
7. Environmental Sustainability

NATIONAL PERFORMANCE MEASURES

PLANNING-LEVEL PERFORMANCE MEASURES

FISCAL CONSTRAINTS

ALTERNATIVES DEVELOPMENT

ALTERNATIVE 1
ALTERNATIVE 2
ALTERNATIVE 3

FINAL MTP PROJECT LIST

PERFORMANCE MANAGEMENT

PREFERRED ALTERNATIVE

1
2
3

TRACKING & TIP

PRIORITY LIST OF PROJECTS
1. PROJECT A
2. PROJECT B
3. PROJECT C
4. PROJECT D
<table>
<thead>
<tr>
<th>National Goal</th>
<th>Measure(s)</th>
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<tbody>
<tr>
<td>Safety</td>
<td>5-Year Rolling Crash Rates</td>
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<tr>
<td></td>
<td>• Total, Fatality, Serious Injury</td>
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<tr>
<td>Infrastructure Condition</td>
<td>Pavement Condition</td>
</tr>
<tr>
<td></td>
<td>• Bridges &amp; Pavement</td>
</tr>
<tr>
<td></td>
<td>• On-system &amp; Off-system (NHS)</td>
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<tr>
<td>Congestion Reduction</td>
<td>• Peak Hour Excessive Delay Per Capita</td>
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<tr>
<td></td>
<td>• % Non-SOV Travel</td>
</tr>
<tr>
<td>System Reliability</td>
<td>• % Person-miles Traveled on Network that are Reliable</td>
</tr>
<tr>
<td>Freight Movement &amp; Economic Vitality</td>
<td>• Truck Travel Time Reliability Index (TTTRI)</td>
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<tr>
<td>*Environmental Sustainability</td>
<td>• % Change in CO2 Emissions on NHS Compared to Calendar Year 2017</td>
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*Final Rule on Green House Gases not finalized.
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<thead>
<tr>
<th><strong>Destino 2045 Goal</strong></th>
<th><strong>Measure(s)</strong></th>
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<tbody>
<tr>
<td><strong>Safety</strong></td>
<td>• Crashes per VMT</td>
</tr>
<tr>
<td></td>
<td>• Top Crash Locations</td>
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<tr>
<td><strong>Maintenance &amp; Operations</strong></td>
<td>• Number of deficient bridges addressed by MTP addressed</td>
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<td></td>
<td>• Deficient pavement lane miles addressed by MTP projects</td>
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<tr>
<td>*Mobility</td>
<td>• VMT (total &amp; per capita, hwy, arterial, major corridors)</td>
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<td>• Speed Index</td>
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<td>• Delay (regional &amp; major corridors)</td>
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<td>*Accessibility &amp; Travel Choice</td>
<td>• % Jobs &amp; Population within ½ mile of high-quality and rapid transit</td>
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<td>• Commute trip travel times in EJ zones</td>
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<tr>
<td>*Sustainability</td>
<td>• % non-SOV trips</td>
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<tr>
<td></td>
<td>• Estimated emissions</td>
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<tr>
<td>*Economic Vitality</td>
<td>• Congested freight hotspots</td>
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<tr>
<td>*Quality of Life</td>
<td>• Travel out of pocket costs</td>
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<td></td>
<td>• Transit, bicycle and walk mode shares</td>
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* Performance Measures to be obtained from the Travel Demand Model (TDM).
MULTIMODAL NEEDS ASSESSMENT

Major Themes Addressed:

→ Roadway (Highways, Arterials, Major Travel Corridors)
→ Safety
→ Public Transportation (Urban, Rural, Human-Services Transportation)
→ Active Transportation (Bicycle, Pedestrian)
→ Freight & Border Crossings
→ Interregional Passenger Transportation
→ Maintenance & Operations
WHAT’S NEXT?

Over the next few months:

→ Finalizing Goals, Objectives, Performance Measures - August
→ Finalizing Needs Assessment - September
→ Developing Alternatives (Project Mix) – September/October
→ TPAC Workshop – October/November
→ Presenting Vision, Goals, Objectives, Needs Assessment, Alternatives at Public Open Houses – October/November
Questions?