

# EL PASO METROPOLITAN PLANNING ORGANIZATION

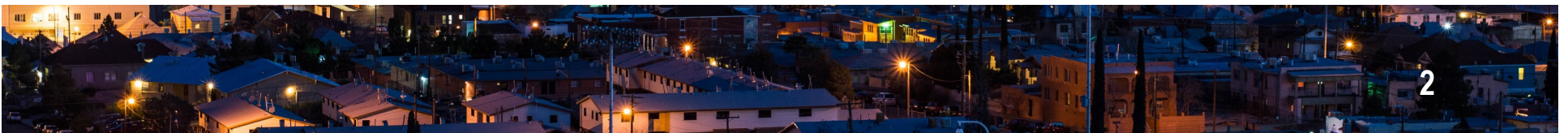
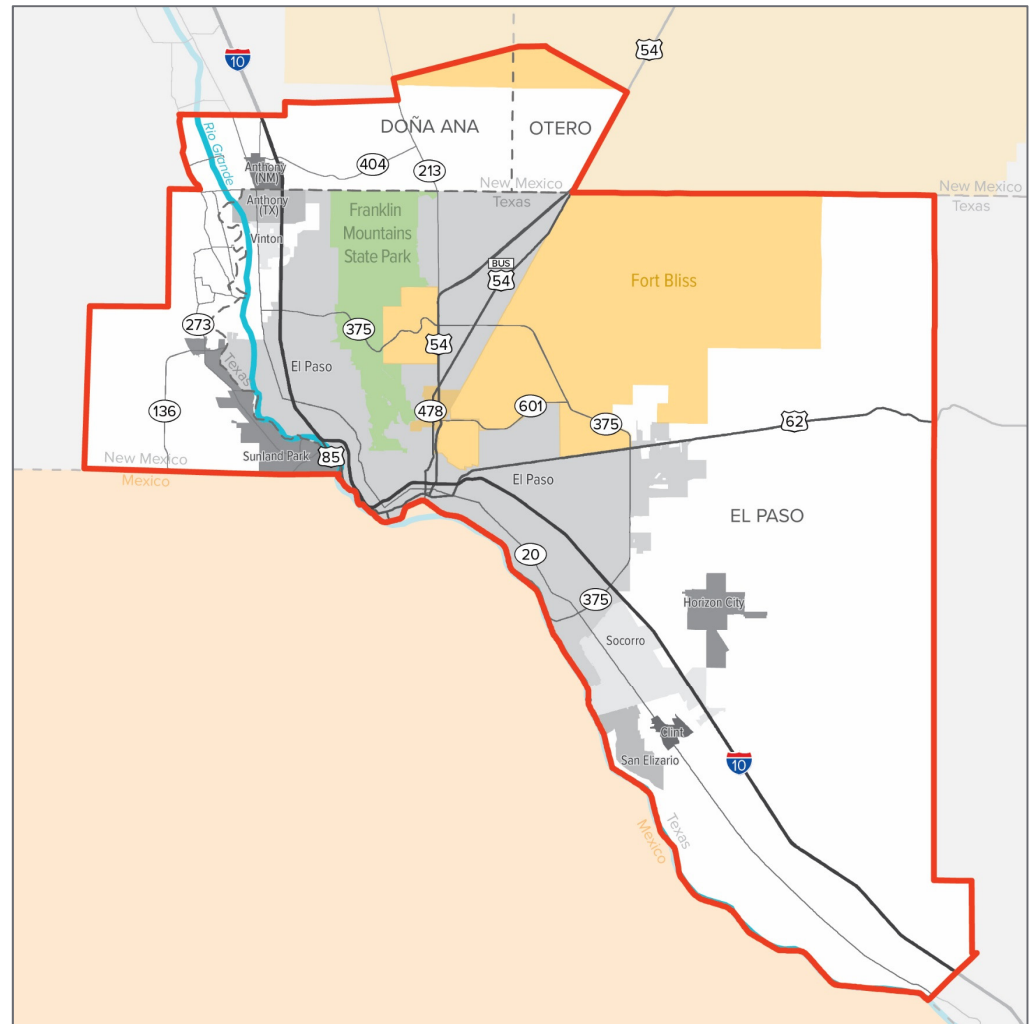
## *Transportation Policy Board Status Update*

AUG 18, 2017



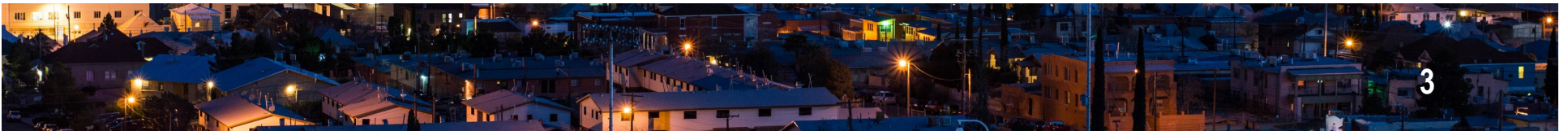
# DESTINO 2045

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



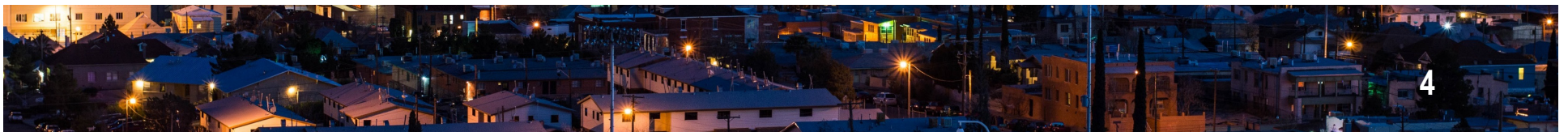
# ABOUT US

- 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

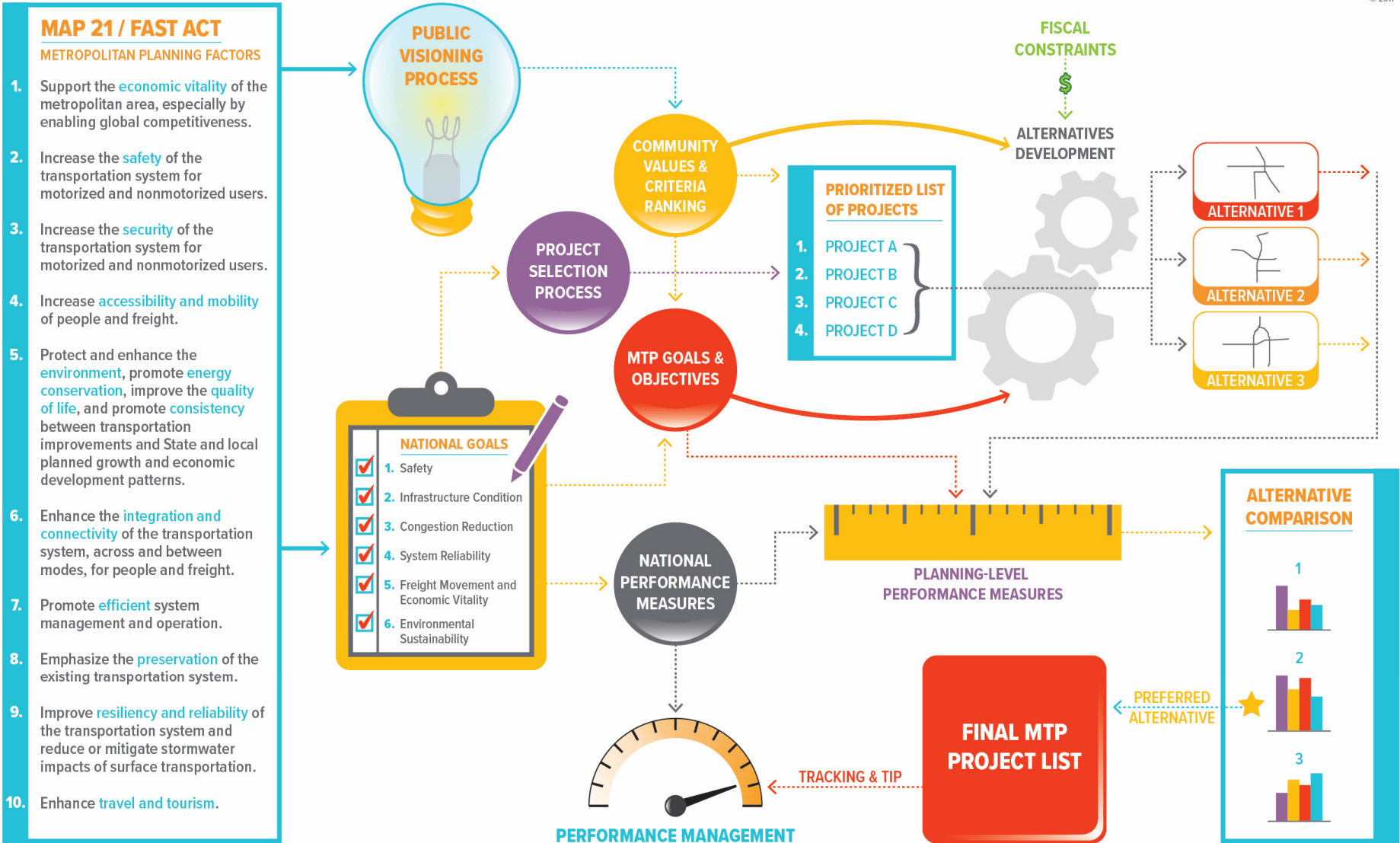


# SCHEDULE

Task	2017											2018			
	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
Kickoff	■														
Project Call			■												
Visioning Process				■	■	■									
Goals/Objectives/Measures					■	■	■								
Multimodal Needs Assessment		■	■	■	■	■	■								
Alternatives Definition & Testing							■	■	■	■					
Fiscal Analysis/Final Project List								■	■	■	■	■			
Air Quality Conformity												■	■		
Draft MTP										■	■	■	■	■	
Final MTP Adoption															■

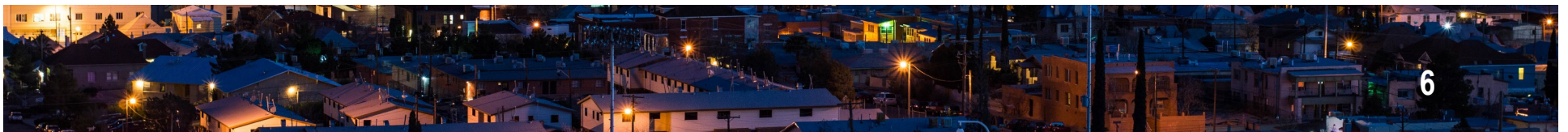


# PERFORMANCE-BASED PLANNING PROCESS



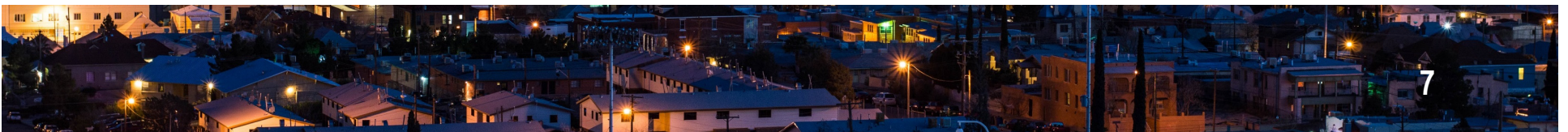
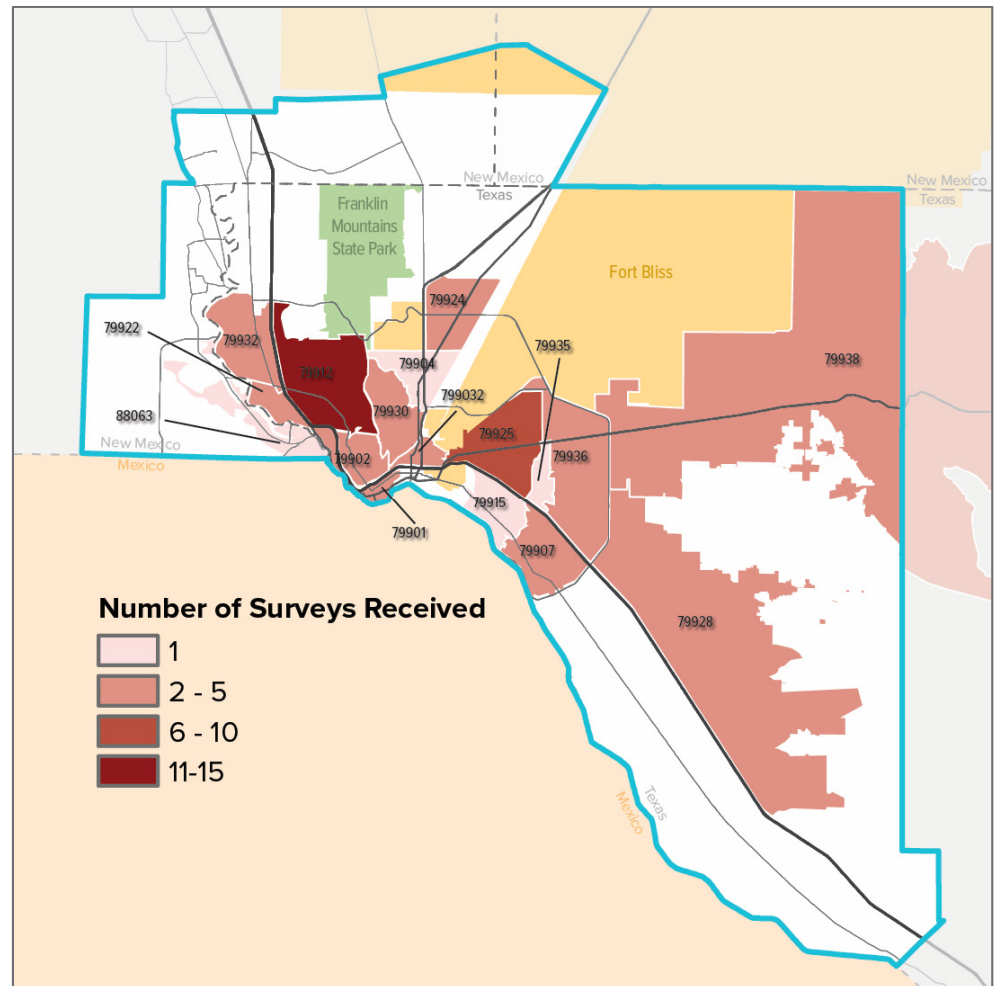
# MTP VISIONING WORKSHOPS

- 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



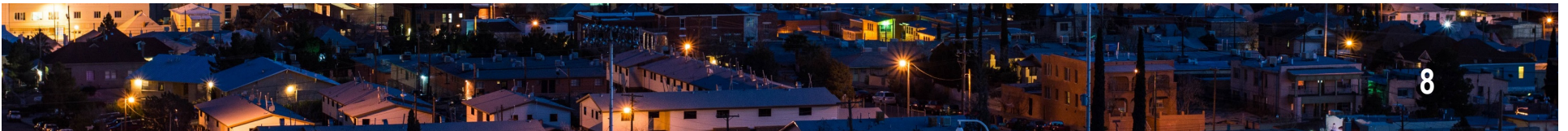
# VISIONING SURVEY

- 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



# 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

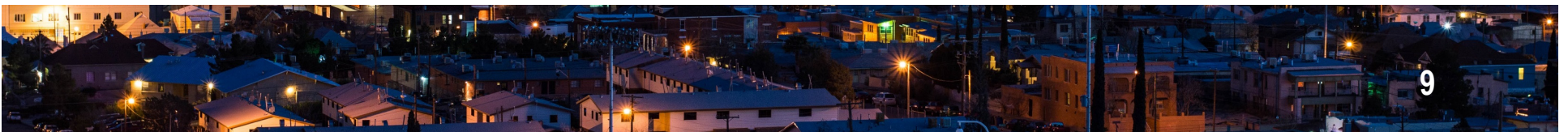




# WHAT WE HEARD

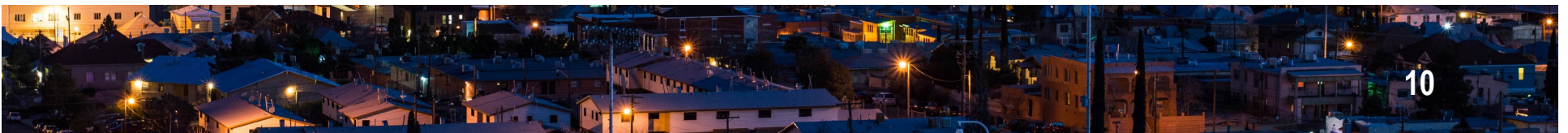
Evaluation Criteria	Final Rank
Improve Safety	1
Improve Quality of Life	2
Reduce Congestion	3
Protect Environment	4
Improve Security	5
Increase Connections	6
Improve Access	7
Connect Modes of Travel	8
Increase Multi-modal Options	9
Promote Efficiency	10
Support Economic Goals	11
Conserve Energy	12
Support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

- 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



# THE VISION

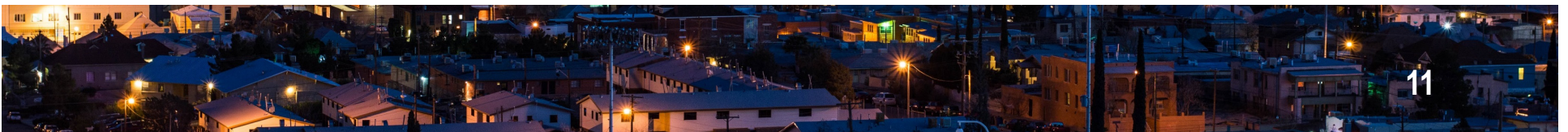
*“A seamless and reliable multimodal network which enables connectivity, promotes quality of life and economic wellbeing, and preserves the human environment.”*



# GOALS & OBJECTIVES

## → FAST Act National Goals

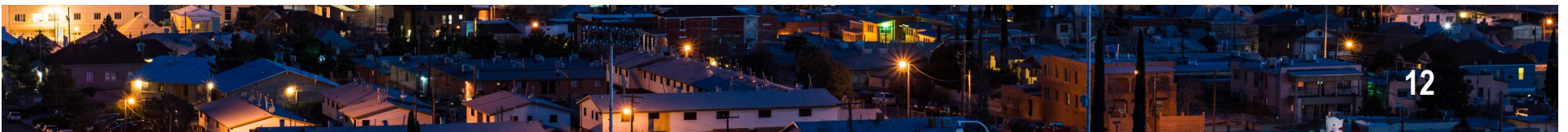
- **Safety** – Achieve a significant reduction in traffic fatalities and serious injuries on all public roads.
- **Infrastructure Condition** – Maintain the highway infrastructure asset system in a state of good repair.
- **Congestion Reduction** – Achieve a significant reduction in congestion on the 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

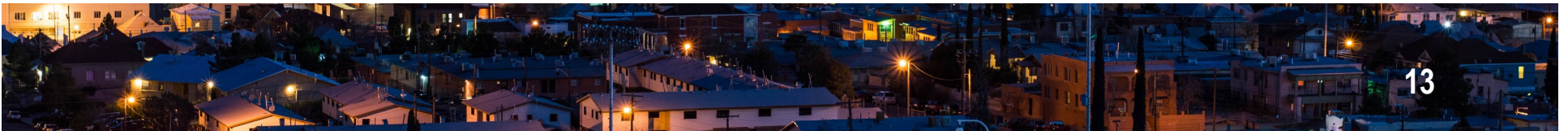
→ Rely on the ability to forecast/estimate

→ Useful for comparing potential outcomes to determine a preferred outcome

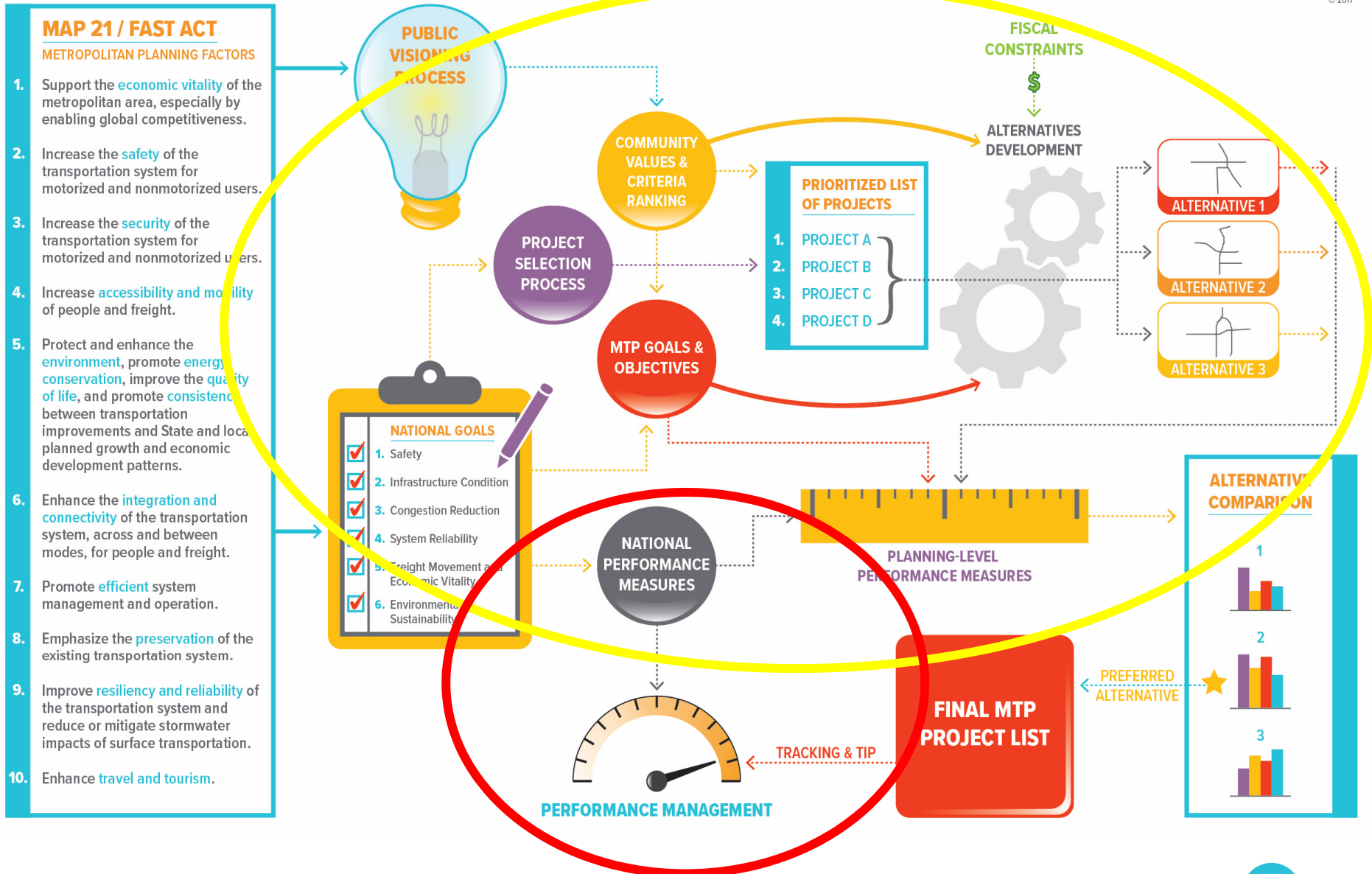
→ USDOT Perf. Mgmt Measures = Tracking Progress/Implementation

→ Rely on observed data trends

→ Useful for understanding whether region is moving towards established benchmarks



# PERFORMANCE-BASED PLANNING PROCESS



# USDOT TRACKING MEASURES (REQUIRED)

National Goal	Measure(s)
Safety	5-Year Rolling Crash Rates <ul style="list-style-type: none"> <li>Total, Fatality, Serious Injury</li> </ul>
Infrastructure Condition	Pavement Condition <ul style="list-style-type: none"> <li>Bridges &amp; Pavement</li> <li>On-system &amp; Off-system (NHS)</li> </ul>
Congestion Reduction	<ul style="list-style-type: none"> <li>Peak Hour Excessive Delay Per Capita</li> <li>% Non-SOV Travel</li> </ul>
System Reliability	<ul style="list-style-type: none"> <li>% Person-miles Traveled on Network that are Reliable</li> </ul>
Freight Movement & Economic Vitality	<ul style="list-style-type: none"> <li>Truck Travel Time Reliability Index (TTTRI)</li> </ul>
*Environmental Sustainability	<ul style="list-style-type: none"> <li><i>% Change in CO2 Emissions on NHS Compared to Calendar Year 2017</i></li> </ul>

*\*Final Rule on Green House Gases not finalized.*

# POSSIBLE MTP MEASURES

Destino 2045 Goal	Measure(s)
Safety	<ul style="list-style-type: none"> <li>Crashes per VMT</li> <li>Top Crash Locations</li> </ul>
Maintenance & Operations	<ul style="list-style-type: none"> <li>Number of deficient bridges addressed by MTP addressed</li> <li>Deficient pavement lane miles addressed by MTP projects</li> </ul>
*Mobility	<ul style="list-style-type: none"> <li>VMT (total &amp; per capita, hwy, arterial, major corridors)</li> <li>Speed Index</li> <li>Delay (regional &amp; major corridors)</li> </ul>
*Accessibility & Travel Choice	<ul style="list-style-type: none"> <li>% Jobs &amp; Population within ½ mile of high-quality and rapid transit</li> <li>Commute trip travel times in EJ zones</li> </ul>
*Sustainability	<ul style="list-style-type: none"> <li>% non-SOV trips</li> <li>Estimated emissions</li> </ul>
*Economic Vitality	<ul style="list-style-type: none"> <li>Congested freight hotspots</li> </ul>
*Quality of Life	<ul style="list-style-type: none"> <li>Travel out of pocket costs</li> <li>Transit, bicycle and walk mode shares</li> </ul>

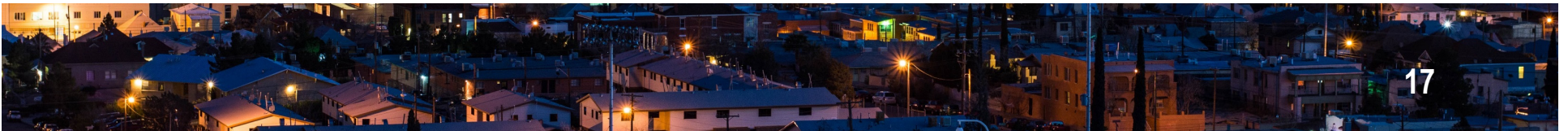
\* Performance Measures to be obtained from the Travel Demand Model (TDM).



# MULTIMODAL NEEDS ASSESSMENT

## Major Themes Addressed:

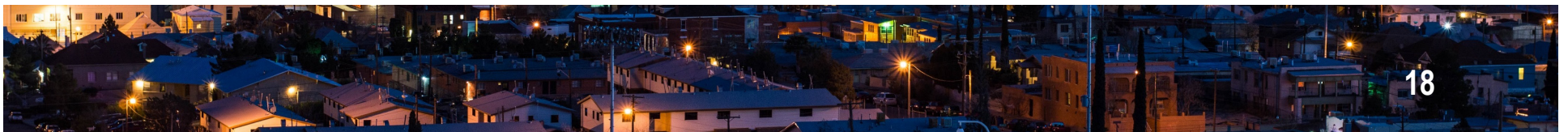
- Roadway (Highways, Arterials, Major Travel Corridors)
- Safety
- Public Transportation (Urban, Rural, Human-Services Transportation)
- Active Transportation (Bicycle, Pedestrian)
- Freight & Border Crossings
- Interregional Passenger Transportation
- Maintenance & Operations



# 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



**EL PASO METROPOLITAN PLANNING ORGANIZATION**  
**2045 METROPOLITAN TRANSPORTATION PLAN UPDATE**

*Questions?*

