SmartSA Vendor Summit

Mobility
We plan to keep you moving

Cooperative
No single agency has responsibility for the entire transportation system

Comprehensive
Encompassing all transportation modes, as well as local land use and economic development plans

Continuous
Ongoing planning should take place to address both short and long term transportation vision and needs
We plan to keep you moving

**Unified Planning Work Program (UPWP):** MPO staff budget and smaller regional planning studies over a two year timeframe (adopted June 2017)

**Transportation Improvement Program (TIP):** Funded transportation projects within a four year timeframe (adopted in April 2018)

**Metropolitan Transportation Plan (MTP):** Future goals, strategies and transportation projects for 25 years (adopted December 2014); new Plan horizon year is 2045

**Transportation Conformity Document (TCD)**
Evaluates future transportation projects to ensure they cause no further harm to air quality; approved through a significant interagency consultation process (new requirement)
AAMPO Study Area

2 million residents
10,000 lane miles
50 million miles traveled daily

Bexar
Comal
Guadalupe
Kendall
## Demographic Forecast

<table>
<thead>
<tr>
<th></th>
<th>Population Forecast</th>
<th></th>
<th>Employment Forecast</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2015</td>
<td>2045</td>
<td>Growth</td>
<td>%</td>
</tr>
<tr>
<td>Bexar</td>
<td>1,898,173</td>
<td>3,004,011</td>
<td>1,105,838</td>
<td>58%</td>
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<tr>
<td>Comal</td>
<td>134,019</td>
<td>287,655</td>
<td>153,636</td>
<td>115%</td>
</tr>
<tr>
<td>Guadalupe</td>
<td>165,183</td>
<td>365,048</td>
<td>199,865</td>
<td>121%</td>
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<tr>
<td>Kendall</td>
<td>38,314</td>
<td>67,539</td>
<td>29,225</td>
<td>76%</td>
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<tr>
<td><strong>Total</strong></td>
<td>2,235,689</td>
<td>3,724,253</td>
<td>1,488,564</td>
<td>67%</td>
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</tbody>
</table>
2045 Population Forecast

Kendall
67,539 People (+ 29,225 People)

Comal
287,655 People (+ 153,636 People)

Guadalupe
365,048 People (+ 199,865 People)

Bexar
3,004,011 People (+ 1,105,838 People)
2045 Employment Forecast

Kendall
24,728 Jobs
(+ 11,021 Jobs)

Comal
119,352 Jobs
(+ 66,669 Jobs)

Bexar
1,571,410 Jobs
(+ 677,628 Jobs)

Guadalupe
102,824 Jobs
(+ 60,962 Jobs)
Short and Long Range Projects
March 2018, AAMPO Transportation Policy Board acted on a resolution of support for implementing emerging technologies including infrastructure supporting Autonomous Vehicles in the IH 35 Corridor.
Mobile Apps in Transportation
Transportation Innovations

- Autonomous and connected vehicles
- 5G (5th Generation Wireless)
- Increasingly smarter phones
- Collision warning systems
- Enhanced traffic signal control technology
- Expanded traveler information systems
- Increases in rideshare and car sharing
- Low cost, same and next day delivery (by drones)
- More alternatively fueled vehicles
- More mobility/navigation apps
- Smart cards (payment system)
- Trackless transit vehicles
- Wireless traffic management
Future Transportation Scenario Unknown

Pace of technological innovations makes it hard for long range planning.

People take to the sky as they hail Uber drone deliveries and rides.

Car sharing and autonomous vehicles will increase VMT.

5G and technology of things will improve system operations.
Emerging Technology Priorities

- Review and implement best practices in planning for connected and autonomous vehicle.
- Continue to stay involved with local, state, and federal efforts to explore the potential impacts, timelines, and costs associated with the deployment of connected and automated vehicle technology.
- Incorporate fiber technology within transportation corridors wherever possible.
- Work to educate the public around connected and autonomous vehicle technology in advance of any initial deployment in our region.
- Support cultural change to encourage transit and shared mobility.