Austin Strategic Mobility Plan

MCAC January 17th, 2017
Austin Transportation Department
Agenda

Project background

Priority Pyramid activity

What do we know?

Keypad polling activity

Next steps
How did we get here?
The ASMP is building on where we’ve been...

- Imagine Austin Comprehensive Plan
- Past mode planning
  - Bicycle Master Plan
  - Sidewalk Master Plan
  - Urban Trails Master Plan
  - Vision Zero Action Plan
  - CapMetro transit plans
- Bond Programs
- Mobility Talks
Final Products
At the end of the ASMP process we will have:

• A Plan adopted by City Council, amending Imagine Austin

• A coordinated transportation strategy for all modes that supports the growth concept of Imagine Austin
Final Product
Modern Street Network Table

<table>
<thead>
<tr>
<th>Unshaded</th>
<th>Desired Development Zone</th>
<th>Drinking Water Protection Zone</th>
<th>Proposed 2025 AMATP Roadway Plan Table</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROADWAY</td>
<td>SEGMENT</td>
<td>Existing 1997</td>
<td>2025 AMATP</td>
<td>Required ROW</td>
</tr>
<tr>
<td>H 1</td>
<td>12</td>
<td>HWY 7</td>
<td>HWY 8</td>
<td>ROW 5</td>
</tr>
<tr>
<td>National Highway System</td>
<td>HWY 4</td>
<td>HWY 5</td>
<td>HWY 6</td>
<td></td>
</tr>
</tbody>
</table>

Update Needed

- GIS Estimate
- ROW MIN
- ROW MAX
- Area Environment Sensitivity
- CAMPO Bike Route Sys
- Austin Bike Plan Rec Facility
Project Connect & ASMP Coordination

Sep '16 | Dec '16 | Jan '17 | Mar '17 | Aug '17 | Sep '17 | Jan '18

**PROJECT CONNECT**

**BIG IDEAS, BOLD STARTS**
- Purpose & Need
- Goals & Objectives
- Draft Project & Corridor Inventory
- Draft Evaluation Criteria
- Evaluation of Corridors/Projects Preliminary Results

**REAL SOLUTIONS FOR REAL PROBLEMS**
- Community Outreach/Vetting of Recommendations
- Confirm Recommended Corridors/Projects
- Define Corridor/Project Alternatives (Alignments, Modes, Technologies, Stations, etc.)
- Define Evaluation Criteria

**TOUCHPOINTS**
- Establish Multimodal Community Advisory Committee
- PC - ASMP Kick-off Workshop
- PC-ASMP Preferred Scenario Workshop

**AUSTIN STRATEGIC MOBILITY PLAN**
- Project Initiation "Getting the Word Out"
- Establish Core Values Draft “Austin’s Mobility Story” Report
- Scenario Building and Evaluation - Mobility Indexing
- Modeling - Spatial Analysis
- Preferred Strategy
  - Identify Preferred Strategy
  - Develop Plan Elements
  - Project Prioritization Methodology
- Project Prioritization Implementation Plan

**Plan Review and Adoption**
The process
Mobility Considerations
Mobility Considerations

- Affordability
- Innovation
- Health & Safety
- Commuter Delay
- Economic Prosperity
- Travel Choice
- Placemaking
Affordability

Lower the cost of living, working, and traveling in Austin.
Innovation

Draw inspiration from forward-looking cities all over the world, change the way we think about what’s possible, and set an example for the rest of the country.
Health & Safety

Protect Austinites by lowering the risk of travel-related injury and promoting public health.
Commuter Delay

Reduce the amount of time workers spend traveling between home and work.
Economic Prosperity

Promote future growth through strategic investments in transportation network that meets the needs of the 21st century.
Travel Choice

Promote a balanced transportation network and the ability to make informed choices based upon personal needs and preferences.
Placemaking

Build a transportation network that encourages social interaction through quality urban design, and connects users to the many places that make Austin unique.
Priority Pyramid
What do we know?
Austin is Changing

• **Shifting Demographics**
  • Very young population (over 50% under 35) and attracting a growing population of 55+

• **Changing Economy**
  • The region’s economy is booming, but rising costs make affordability a challenge

• **Rising Expectations**
  • Ranked #5 of “The Top 25 Future-Ready U.S. Cities”

• **Need for Regional Cooperation**
  • Austin’s share of the regional population is shrinking. We must work with our neighbors to achieve shared goals.
Austin is Growing

• Between 1990 and 2010, the region doubled in size.
• About 157 people move to the Austin area every day.
• The fastest growing age group 2000-2015 has been 55 and older.
• By 2040 Austin population is projected to be 1.3 million, with the region’s projected population exceeding 4.1 million.

City of Austin Population
U.S. Census Bureau
Travel Demand is Increasing

- *Vehicle travel* in the region could **double** by 2040, while *road capacity* will only increase by **15%**.

- In 2015, there were **700,000** cars and trucks in Travis County. There are expected to be **1.5 million** by 2050.

- The Austin-Bergstrom International Airport Master Plan projects passenger activity to double from 2007-2026.
Congestion is Unavoidable

On the worst traffic day of the month, a 30-minute trip can turn into 1 hour 14 minutes.

Congestion costs each Austin commuter approximately $1,159 annually in excess fuel, vehicle wear and tear, and time lost.
What does this mean?

- Opportunities to widen roads are limited
- Funding is always a constraint
- Our right-of-way is limited

Our transportation network requires a diversified approach to have any significant impact in our community.
Mining existing public engagement

60,000+ Data Points!
How it works

- I ask questions…you answer.
- Some answers require more than one answer.
- Results will be displayed on screen.
The region is well-prepared for the next wave of growth.

A. Strongly Agree
B. Agree
C. Somewhat Agree
D. Neutral
E. Somewhat Disagree
F. Disagree
G. Strongly Disagree
How reasonable is it for us to assume that our travel needs can be accomplished through auto-dependent means?

A. Very Reasonable
B. Reasonable
C. Somewhat Reasonable
D. Somewhat Unreasonable
E. Unreasonable
F. Very Unreasonable
How important is considering affordability when establishing our transportation priorities?

A. Very Important
B. Somewhat Important
C. Neutral
D. Not very important
E. Irrelevant
How important is considering innovation when establishing our transportation priorities?

A. Very Important
B. Somewhat Important
C. Neutral
D. Not very important
E. Irrelevant
How important is considering health & safety when establishing our transportation priorities?

A. Very Important
B. Somewhat Important
C. Neutral
D. Not very important
E. Irrelevant

- Very Important: 55%
- Somewhat Important: 34%
- Neutral: 7%
- Not very important: 3%
- Irrelevant: 0%
How important is considering commuter delay when establishing our transportation priorities?

A. Very Important
B. Somewhat Important
C. Neutral
D. Not very important
E. Irrelevant

- Very Important: 36%
- Somewhat Important: 29%
- Neutral: 11%
- Not very important: 11%
- Irrelevant: 14%
How important is considering economic prosperity when establishing our transportation priorities?

A. Very Important
B. Somewhat Important
C. Neutral
D. Not very important
E. Irrelevant

Bar chart showing percentages:
- Very Important: 38%
- Somewhat Important: 28%
- Neutral: 21%
- Not very important: 10%
- Irrelevant: 3%
How important is considering travel choice when establishing our transportation priorities?

A. Very Important
B. Somewhat Important
C. Neutral
D. Not very important
E. Irrelevant

- Very Important: 57%
- Somewhat Important: 36%
- Neutral: 0%
- Not very important: 4%
- Irrelevant: 4%
How important is considering placemaking when establishing our transportation priorities?

A. Very Important  
B. Somewhat Important 
C. Neutral  
D. Not very important  
E. Irrelevant
Rank in order of importance:

A. Affordability 19%
B. Innovation 19%
C. Safety 19%
D. Commuter Delay 15%
E. Economic Prosperity 17%
F. Travel Choice 10%
G. Placemaking 15%
I wish we had:
(select 3 in rank order)

A. Safer roadways
B. Better public transportation
C. Better options for biking and walking
D. Shorter distances to travel for jobs, goods, and services
E. A shorter commute time
How important do you think autonomous and connected vehicles will be when considering our mobility future?

A. An absolute necessity, we can’t be successful without it
B. Very important, we can’t improve conditions without it
C. Somewhat important, we’ve done well with without it
D. Not that important

[Bar chart showing percentages: An absolute necessity, 21%; Very important, 34%; Somewhat important, 24%; Not that important, 21%]
With the understanding that all are important, select (in ranked order) the top three transportation criteria:

A. Timing (short-term vs long-term construction)
B. Benefit/Cost
C. Plan Consistency
D. Congestion Reduction
E. Economic Vitality
F. Identified Funding
G. Political Will
H. Public Opinion

[Bar chart showing rankings]
How important is travel choice to economic growth and industry recruitment?

A. An absolute necessity, we can’t be successful without it
B. Very Important, we can’t improve conditions without it
C. Somewhat Important, we’ve done well with the existing system
D. Not that Important, we’ve always gotten by with that we have
We should prioritize travel through the Austin region.

A. Strongly Agree
B. Agree
C. Somewhat Agree
D. Neutral
E. Somewhat Disagree
F. Disagree
G. Strongly Disagree
We should prioritize travel within Austin.

A. Strongly Agree
B. Agree
C. Somewhat Agree
D. Neutral
E. Somewhat Disagree
F. Disagree
G. Strongly Disagree
We should prioritize travel into Austin.

A. Strongly Agree
B. Agree
C. Somewhat Agree
D. Neutral
E. Somewhat Disagree
F. Disagree
G. Strongly Disagree
Rank in order of importance:

A. Travel through Austin
B. Travel within Austin
C. Travel into Austin
Next Steps
The process