



Austin Strategic Mobility Plan

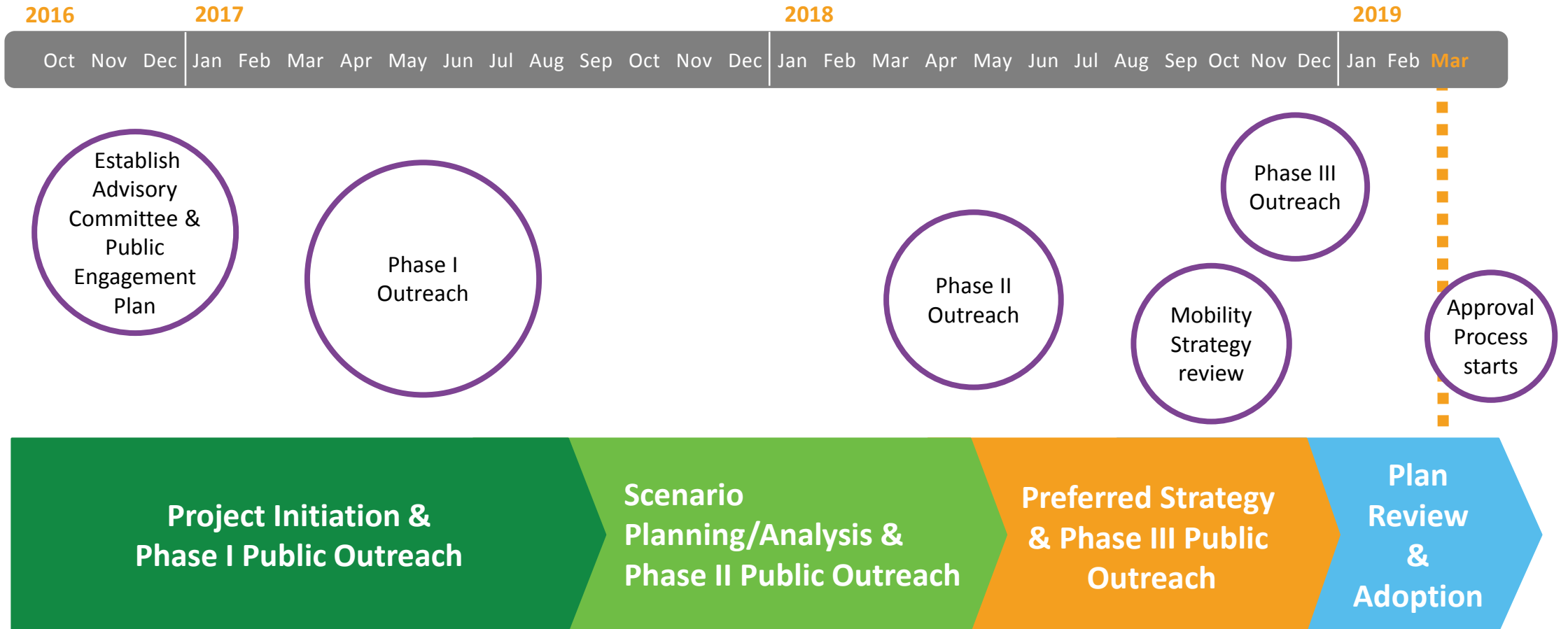
JOINT SUSTAINABILITY COMMITTEE

MARCH 27, 2019

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- Motivation Behind the Plan
- ASMP Draft
 - Content Outline
 - Elements of the Plan
 - Top Strategies
- Chapter 5: Protecting Our Health and Environment
- Joint Sustainability Committee Questions
- Next Steps

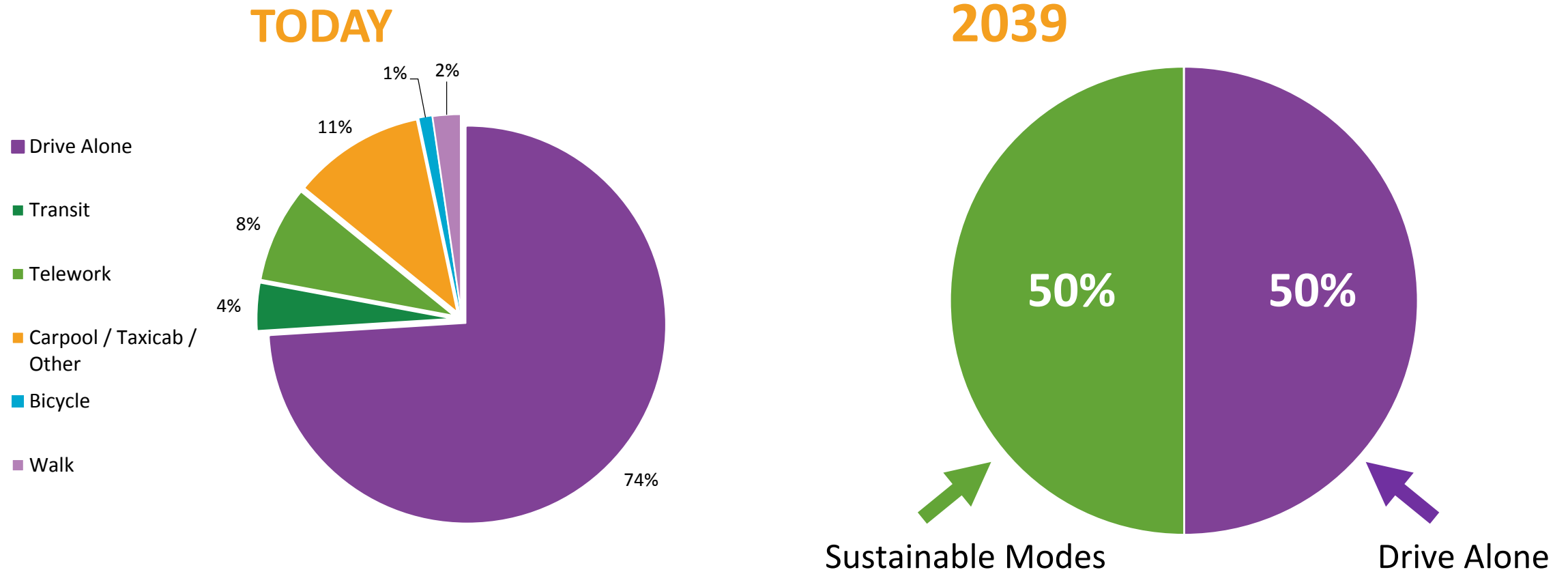
Schedule



Motivation for the Plan

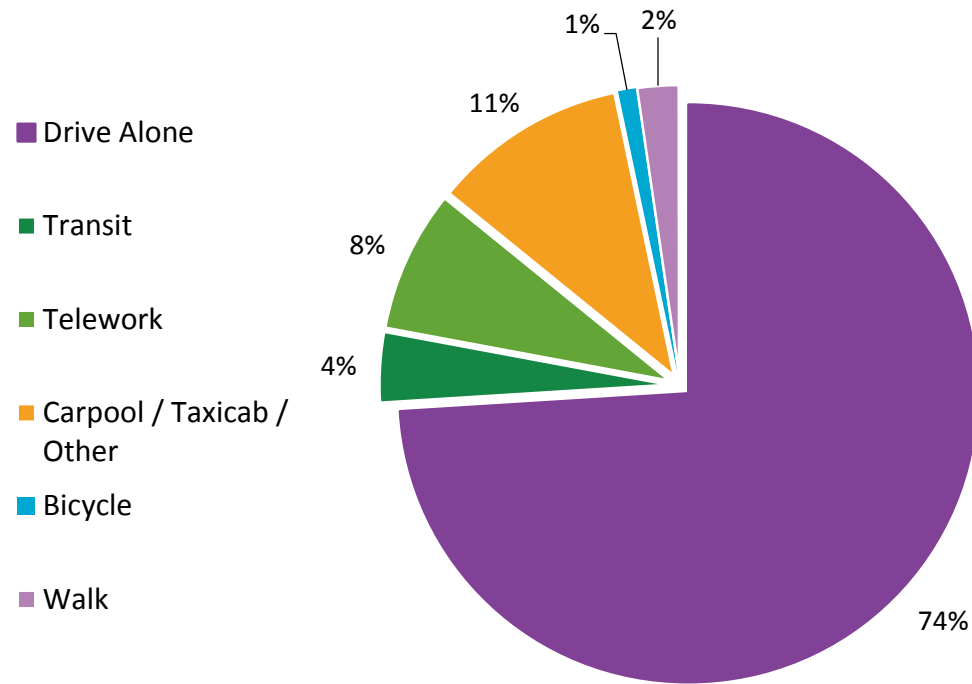
Motivation for the Plan

74% drive alone today vs. 50% in 2039

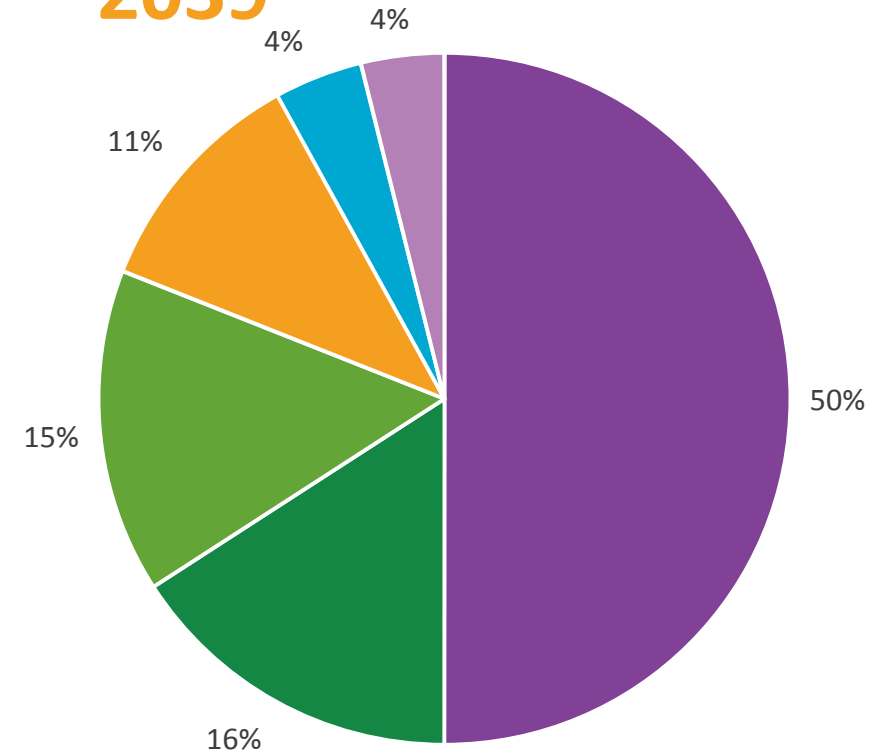


Mode Share Targets

TODAY

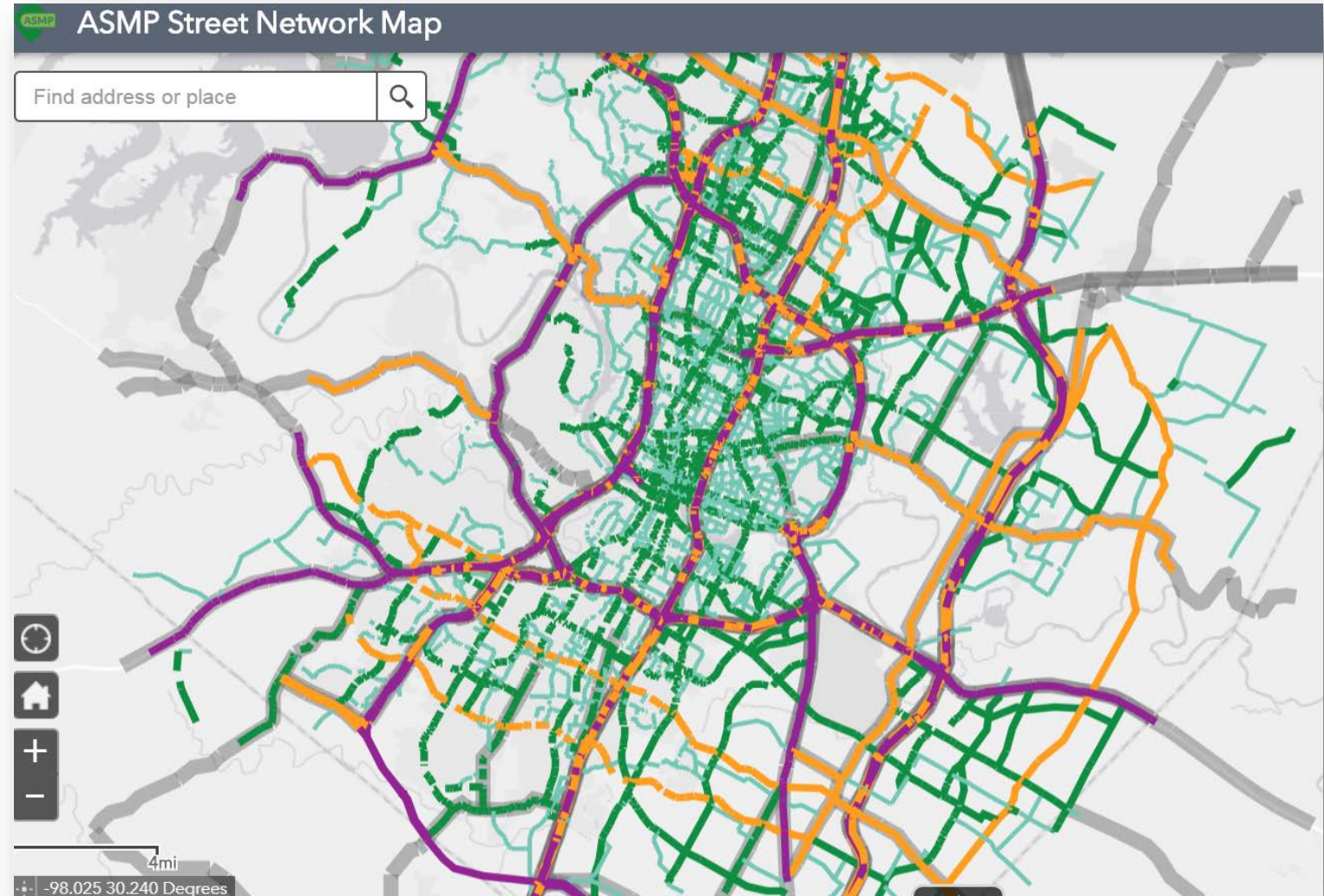
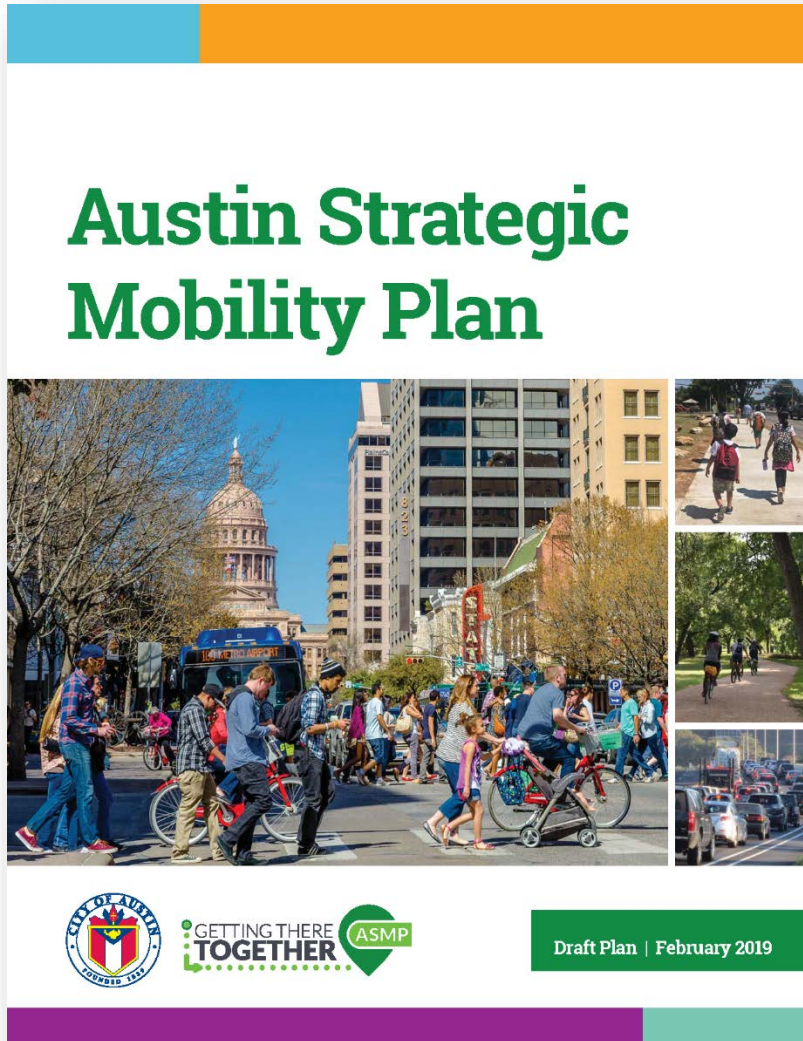


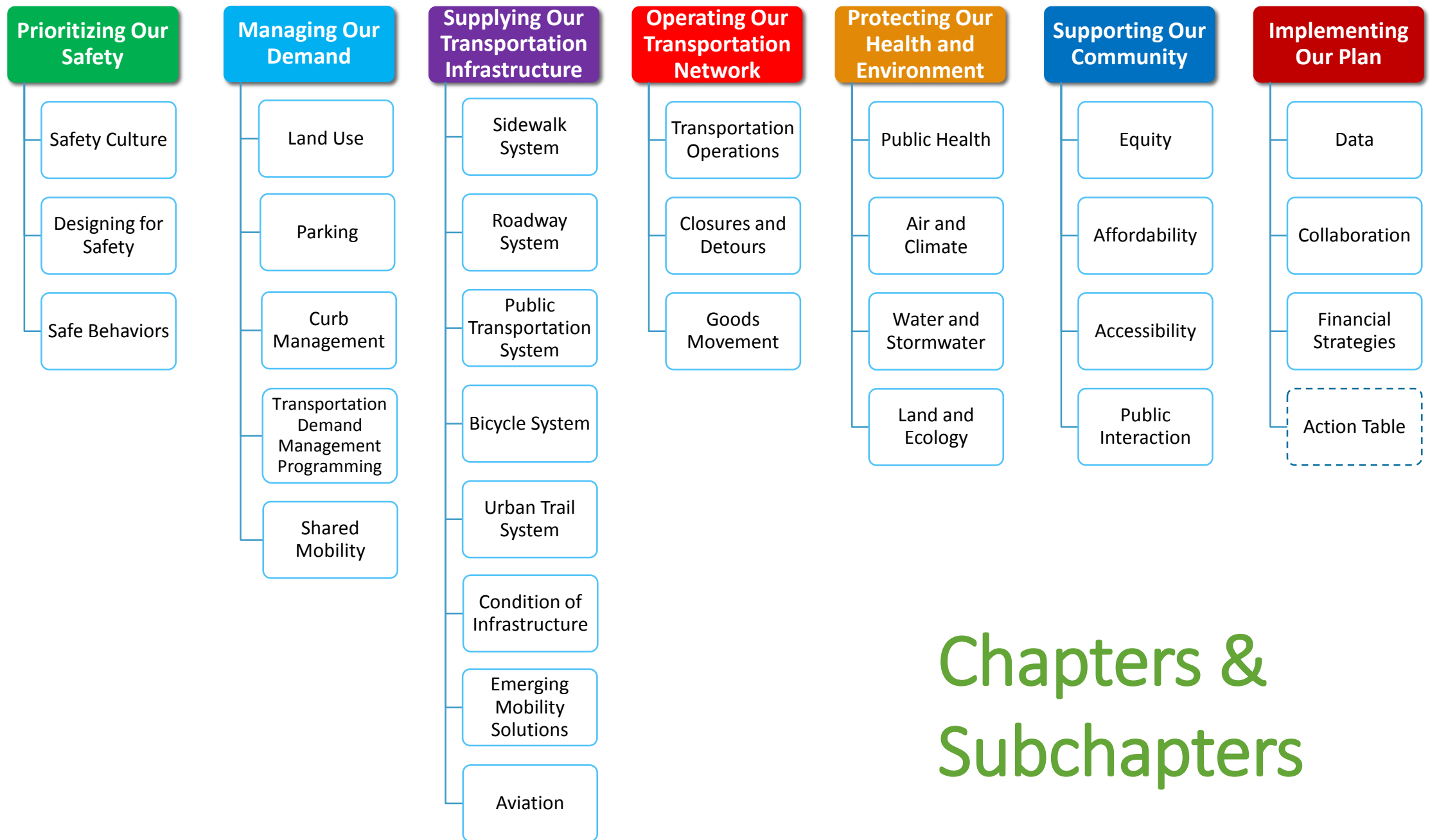
2039



ASMP Final Draft Plan

Policy Document, Street Network Table + Map





Chapters & Subchapters

How do we get to 50/50?

126 Policies



**100s of multimodal
projects to achieve
ASMP goals**



Elements of the Plan

Indicators + Targets: More specific measures of our goals which help us know how well we are achieving them. Some indicators have identified targets necessary to make ambitious yet reasonable progress toward a goal within a specified timeline.

Policies: A definite course or method of action to guide and determine present and future decisions

Actions: Steps necessary to support policies, programs, and projects

Elements of the Plan

Priority Networks: Designated for the roadway, public transportation, and bicycle systems to show where modes are prioritized to improve operations

Transportation Network Maps: Identify possible projects the City may pursue in the next 20 years based on a variety of factors, including the evolving needs of the transportation network, engineering analysis, public input, and available funding

Street Network Table: Inventory of our streets and their future conditions, which will be used to identify right of way dedication requirements

Top Strategies

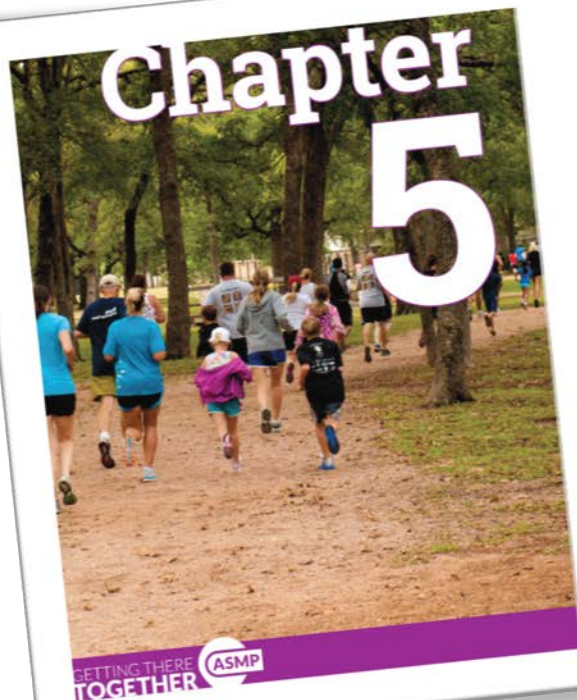
- **Reduce traffic fatalities, serious injuries** by focusing on safety culture, behaviors
- **Move more people** by investing in public transportation
- **Manage congestion** by managing demand
- **Build active transportation access for all ages and abilities** on sidewalk, bicycle, and urban trail systems
- **Strategically add roadway capacity** to improve travel efficiency

Top Strategies

- **Connect people to services and opportunities** for better health
- **Address affordability** by linking housing and transportation investments
- **Right-size and manage parking supply** to manage demand
- **Develop shared mobility options** with data and emerging technology
- **Build and expand community relationships** with plan implementation

Chapter 5:

Protecting Our Health and Environment



Protecting Our Health and Environment

We all want to enjoy a sustainable environment and a healthy life, physically and mentally. As Austinians, we enjoy a close connection with nature and have a strong environmental ethos. We appreciate our trails and greenways, lakes and rivers, parks and open spaces. Our environment, and the healthy lifestyle it accommodates, is a core part of what makes Austin special. Austin's urban ecosystem is our community of living things and their interactions with non-living things; our urban ecosystem is rich in natural resources and amenities, but the effects of development and climate change put the health of ourselves and our environment at risk.

Our transportation network has a large impact on our health and environment. Transportation has a significant role in encouraging healthy lifestyles and providing safe access to food, healthcare, and other social resources. Our important air, climate, water, and ecological systems are heavily impacted by our transportation network. The transportation network is just one component of our urban ecosystem, and it must coordinate with other natural and man-made systems to protect and enhance our health and environment.

This chapter lays out the importance of considering the many impacts of mobility on our public health, air and climate, water, and land and ecology systems. From improving access to healthcare, to promoting electric vehicles, from integrating stormwater management into our streets, to pursuing the preservation of open space, it is easy to see how transportation can strengthen and complement the preservation of open space. By ensuring transportation helps protect people and the environment from long-term effects of a changing climate and population growth, we can become a healthier, more resilient community.

Policy Summary

Public Health

- Policy 1** Recognize that transportation fatalities and serious injuries are a public health crisis
- Policy 2** Recognize and plan for transportation infrastructure's impact on public health
- Policy 3** Provide infrastructure and programming to encourage active lifestyles and healthy living
- Policy 4** Connect people to food, opportunities for physical activity, and health care using multiple transportation modes

Air and Climate

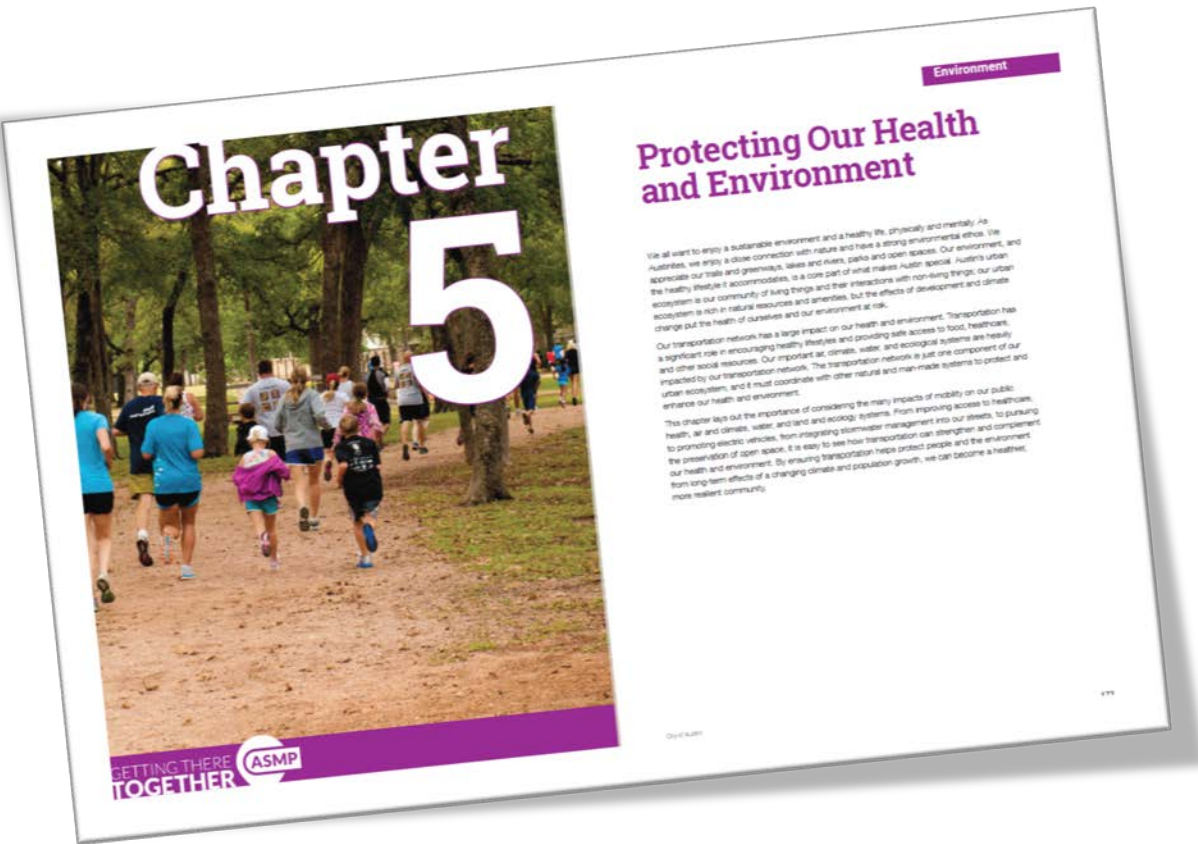
- Policy 1** Reduce emissions generated by the transportation sector
- Policy 2** Lead by example in reducing ozone and greenhouse gas emissions in the City's fleet
- Policy 3** Choose energy efficient materials and methods in the design, construction, and operation of our transportation network

Water and Stormwater

- Policy 1** Use streets strategically as key components of the city's drainage, drinking water, reclaimed water, and wastewater systems
- Policy 2** Integrate stormwater control measures into the transportation network
- Policy 3** Optimize mobility and water management goals

Land and Ecology

- Policy 1** Avoid, minimize, and mitigate adverse impacts of the transportation network on natural and cultural resources
- Policy 2** Pursue designs that enhance our ecosystem
- Policy 3** Support the Imagine Austin Growth Concept in a way that is sustainable, equitable, and consistent
- Policy 4** Recognize and plan for trees as vital to supporting the transportation network



Indicators and Targets - *Examples*



Increase the access by active modes to and around parks and trails



Increase the number of sidewalks, bicycle facilities, and urban trails that are within ZIP codes with disproportionate prevalence of chronic diseases or conditions



Reduce greenhouse gas emissions

Reach net-zero community-wide greenhouse gas emissions by 2050



Reduce average ozone level region-wide

Reduce average ozone level region-wide by 0.70-1.00 parts-per-billion annually



Reduce the risk of flooding on all roads and road crossings in the 100-year floodplain, including provision of adequate warning at dangerous crossings



Reduce the danger of street flooding created by substandard storm drains



Increase tree canopy along the transportation network

How the elements work together — *Water and Stormwater Example*

Policies: Avoid, minimize, and mitigate adverse impacts of the transportation network on natural and cultural resources; Optimize mobility and water management goals

Example Programs/Projects: Environmental protection efforts in regional projects, Industrial Oaks roadway extension

Indicators: Reduce pollutant loads in all creeks to the maximum extent possible; Increase the amount of open space preserved through transportation project mitigation

Action Item Example(s):

- **176** – Update Transportation Criteria Manual and other City criteria manuals to minimize impacts to waterways through the use of appropriate transportation network design and stormwater infrastructure, while balancing mobility needs.
- **180** - Formalize current processes to evaluate and consider environmental features in development of transportation projects. Publish checklists for projects online to increase transparency.

How the elements work together – *Air and Climate Example*

Policy: Reduce emissions generated by the transportation sector

Example Programs/Projects: 2019-2023 Regional Air Quality Plan, TDM programming, EV charging infrastructure expansion

Indicator: Reduce greenhouse gas emissions

- *Target: Reach net-zero community-wide GHG emissions by 2050*

Action Item Example(s):

- **165** - Reduce emissions by improving the efficiency of the transportation network by implementing transportation emission reduction measures (TERMs) such as intersection improvements, traffic signal synchronization improvements, bicycle and pedestrian facilities, high-occupancy vehicle lanes, major traffic flow improvements, park and ride lots, intelligent transportation system (ITS), and transit projects.
- **167** - Initiate public private partnerships that promote, market, and provide electric vehicle support. Expand current efforts and utilize these vehicles as a distributed storage technology.

Joint Sustainability Committee Questions

JSC Question	ASMP Answer
How much alignment, and direct coordination of the ASMP is there with Project Connect and Cap Metro	There has been very close coordination between ASMP and Project Connect/Cap Metro. We shared an advisory committee (Multimodal Community Advisory Committee) and held weekly joint meetings. CPO was also a close partner and part of these joint meetings.
How do developments in SMART mobility and electrification of vehicles change the issue or view on congestion?	Smart mobility and electrification both create new opportunities for our network, but it is important that we continue to focus on managing our demand. Smart technology must be paired with electrification and demand management to improve congestion

Joint Sustainability Committee Questions

JSC Question	ASMP Answer
Knowing that most greenhouse gas emissions in Austin stem from fossil fuels used for transportation, and most come from vehicles driving around, that mode shift and land code can contribute to lowering GHG emissions but are not expected to reduce the GHG emissions by more than 10-15% in the next 20-30 years, do you agree with the need for a separate electrification of transportation? And if so, which city departments would need to be involved and what role would the Transportation Department have?	Electrification of our transportation network is crucial to reduce our community's greenhouse gas emissions, and electrification is a major part of the ASMP. Supplying more electric charging, converting public fleets to electric, including public transportation and City vehicles, and ensuring electrification options are available for everyone in our community, regardless of location or income, are all parts of the ASMP. ATD's role would differ based on the specific action and we need to work with many different City Departments from Austin Energy to EDD to Fleet.

Joint Sustainability Committee Questions

JSC Question	ASMP Answer
With the upcoming 2020 Austin Community Climate Plan (ACCP) update, what would be the priority areas for the Transportation Department for this plan? How much of that is accounted for in the ASMP and what should be added in order to have the transportation sector GHG emission to be in line with the reductions called for in the current ACCP of 25% per decade from 2010 to 2050?	Converting trips from drive-alone to sustainable modes is the primary objective of the ASMP. We believe that managing our demand through a variety of strategies, from expanded TDM programming to an increase in shared, electric modes, to updating our parking management are all necessary to meet this goal.

Joint Sustainability Committee Questions

JSC Question	ASMP Answer
How is the ASMP incorporating and integrating “green design” strategies into plans for roads, trails, etc.?	Action 178: Water and mobility planning coordination Action 179: Permeable surface treatments Action 180: Environmental project checklist Action 185: Green streets
How can the JSC help you address GHGs in a meaningful way?	Assistance in setting accurate meaningful targets. Supporting and influencing the creation of important land use and transportation code that helps us manage our demand and increases transportation ASMP recommendation

Path to Completion

- City Council
 - March 28 – City Council Public Hearing, Ordinance Readings

For more information, visit our website:

- Draft ASMP Policy Document
 - Policies
 - Indicators + Targets
 - Actions
 - System Maps
- Street Network Table + Map
- Future meeting details
- Previous engagement results

austintexas.gov/ASMP

The screenshot shows the official website of the City of Austin, austintexas.gov. The header includes navigation links for various city services and a search bar. The main content area is titled "Transportation" and features a large banner with the text "GETTING THERE TOGETHER ASMP". Below the banner, there is a section titled "AUSTIN STRATEGIC MOBILITY PLAN" with a brief description of the plan. To the right, a "TOP CONTENT" section lists key topics like "Right of Way (ROW) Permits" and "Parking Enterprise". At the bottom, there is a section for the "Final Draft ASMP Policy Document" and a call to action to "See the Final Draft of the ASMP!". The left sidebar contains a menu with links to "Department Home", "Austin Strategic Mobility Plan", "ASMP Español", "About the ASMP", "Get Involved with the ASMP", "ASMP Timeline", and "Multimodal Community Advisory Committee".

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Multimodal Community Advisory Committee

Transportation

GETTING THERE TOGETHER ASMP

AUSTIN STRATEGIC MOBILITY PLAN

The Austin Strategic Mobility Plan (ASMP) is Austin's new city-wide transportation plan. We are developing this plan to make it easier to get around Austin for years to come. Learn more about the ASMP.

El Plan Estratégico de Movilidad de Austin (ASMP, por sus siglas en inglés) es el nuevo plan de transporte para toda la ciudad de Austin. Lea más en nuestro sitio web español ASMP.

TOP CONTENT

- ★ Right of Way (ROW) Permits
- ★ Right of Way Management Approval Network (ROWMAN)
- ★ Parking Enterprise
- ★ On Street Parking
- ★ Local Area Traffic Management

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See the Final Draft of the ASMP!

The final draft of the ASMP is now available for review. The final draft ASMP policy document describes the ASMP's goals and action items. It also includes final draft maps of how the plan will impact our transportation network.

Final Draft ASMP Policy Document

The final draft policy document will guide how we make decisions that impact Austin's

Thank you

[AUSTINTEXAS.GOV/ASMP](https://austintexas.gov/asmp)