



SBCTA Long-Range Multimodal Transportation Plan



Mobility Working Group Meeting 2
October 31, 2023

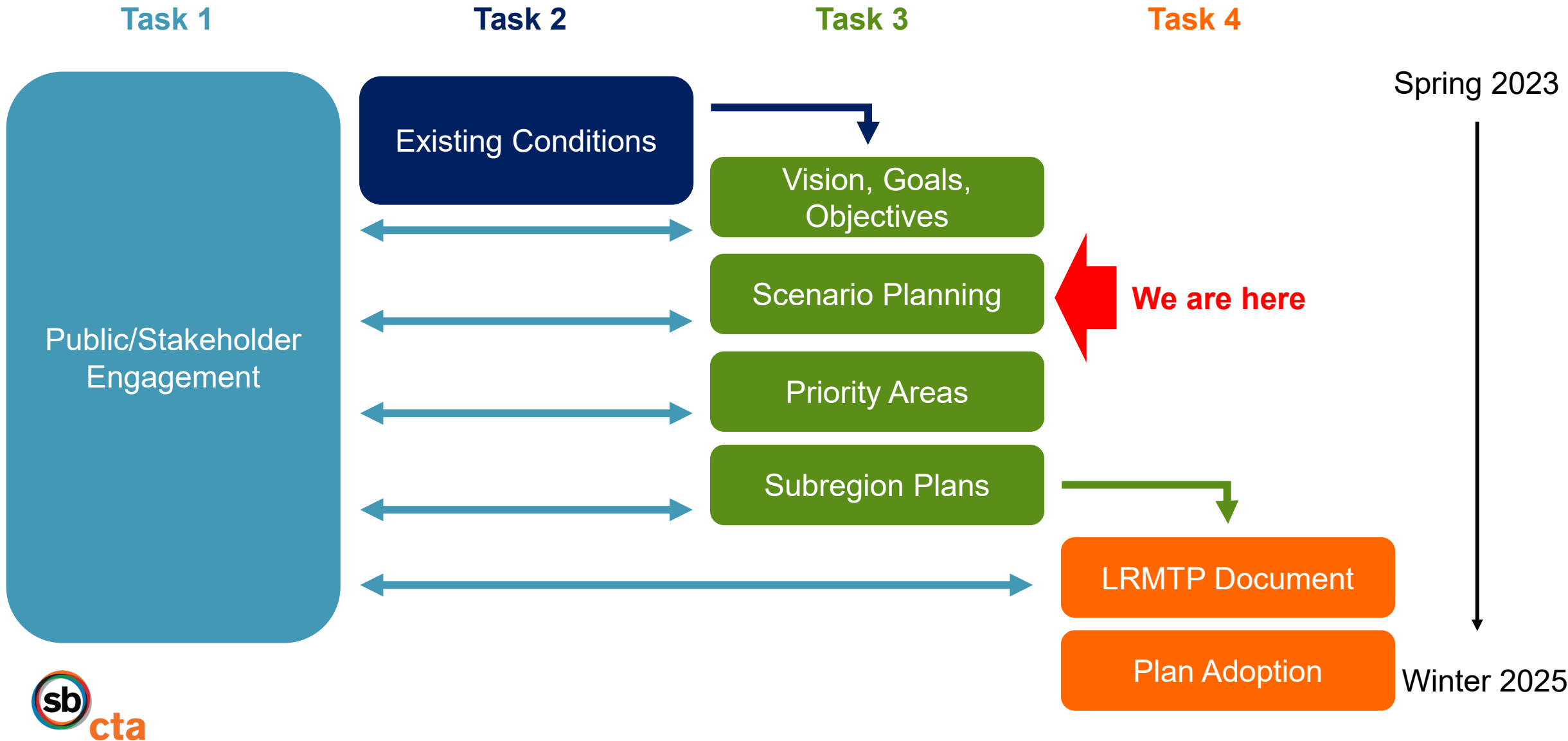


AGENDA

- 1 Introductions
- 2 Plan Progress
- 3 Stakeholder and Public Engagement
- 4 Plan Vision, Goals, Objectives, and Performance Measures
- 5 Scenario Planning
- 6 Next Steps

LRMTP Progress

LRMTP Project Process



LRMTP Subregions

- Consistent with Measure I
- Analysis and recommendations will follow the six subregion format



Recap of Last Meeting

- Provided overview of study background and process
- Described key findings from existing conditions
 - County is large, diverse, and spread out, with differing needs by community
 - There is a need to balance accommodating growth with environmental goals
- Received input on the county's challenges and what stakeholders envision for the future



Stakeholder and Public Engagement

Stakeholder Engagement

- Series of six quarterly virtual meetings between Summer 2023 and Fall 2024
- Stakeholders will advise the project team throughout the process
- Include subregional representatives

Community Working
Group

Mobility Working Group

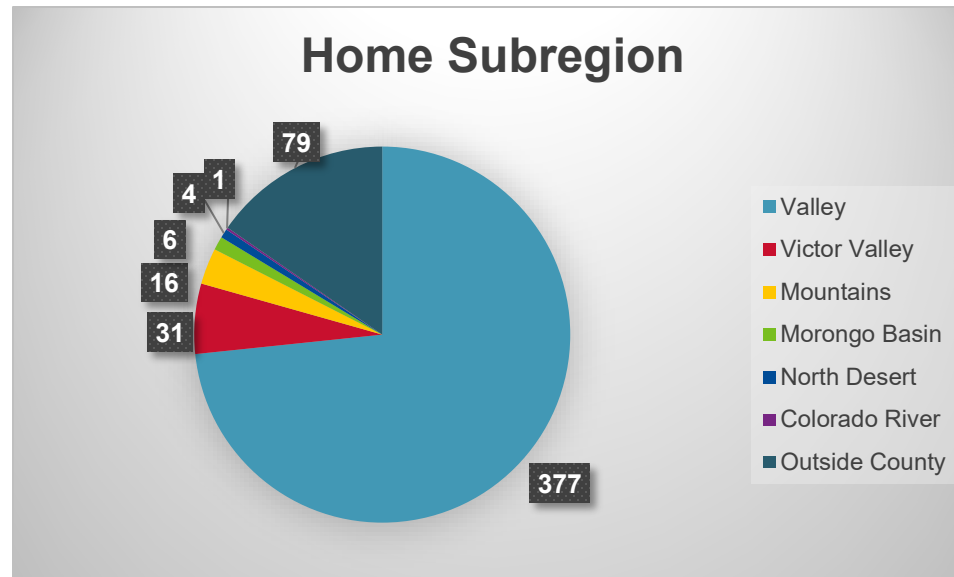
Public Engagement

- Project website gosbcta.com/lrmtp
- Informational materials
- [Story map](#)
- Online survey: [English](#) / [Spanish](#)
- Social media and e-newsletters
- Virtual open houses
 - Round 1 conducted September 27 and October 3
- Engaging underrepresented communities



Preliminary Survey Results

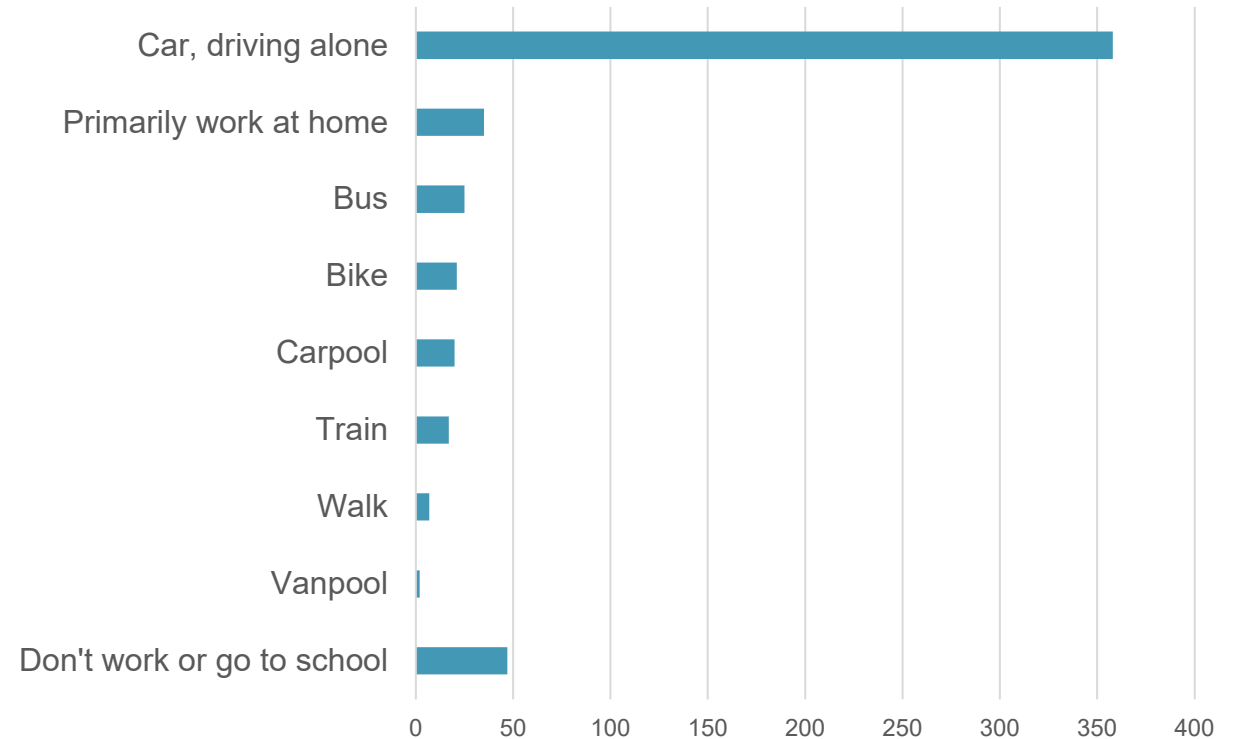
- An online survey went live August 23rd and closes October 31st
- The survey is available in English and Spanish
- As of October 11th, 539 responses were received (527 English and 12 Spanish)
- The vast majority of respondents live in the Valley subregion



Preliminary Survey Results – Mode Choices

- Driving alone was the dominant commute mode, representing two thirds of respondents
- 15% have no commute at all, either by working from home (6%) or being neither employed or in school (9%)

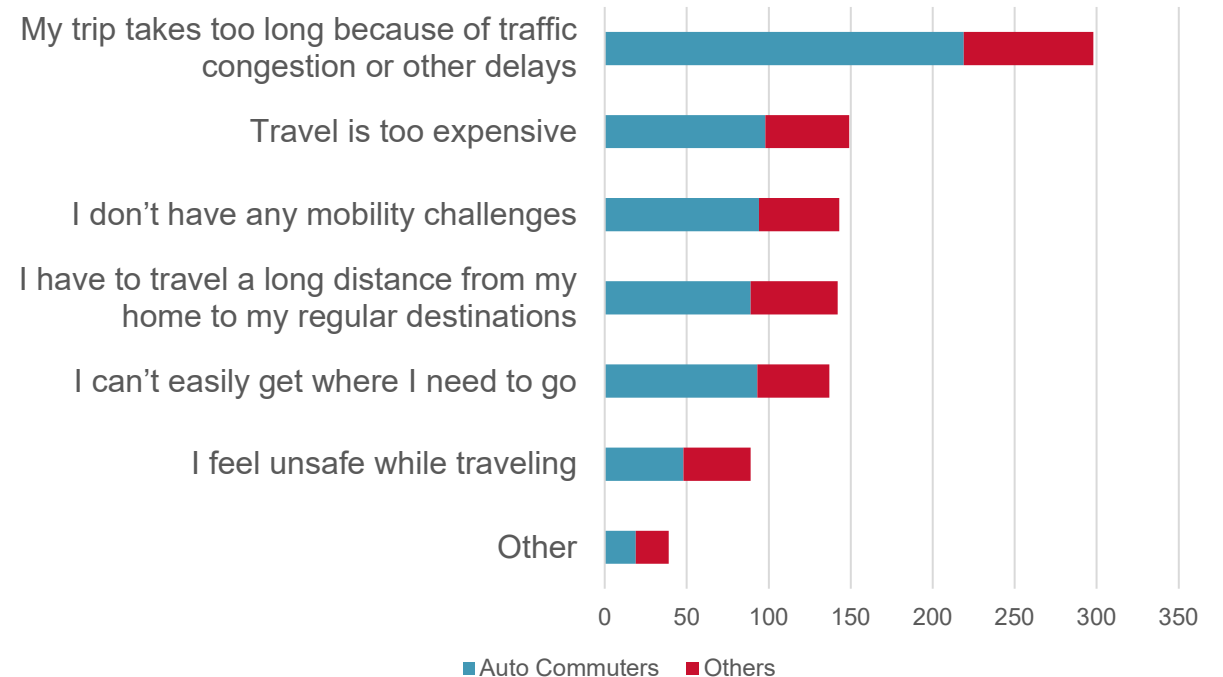
What kind of transportation do you primarily use to get to work or school?



Preliminary Survey Results – Mobility Challenges

- Delay is the top mobility challenge for all modes
- Cost, distance, and accessibility follow with similar counts
- Safety is the least common concern

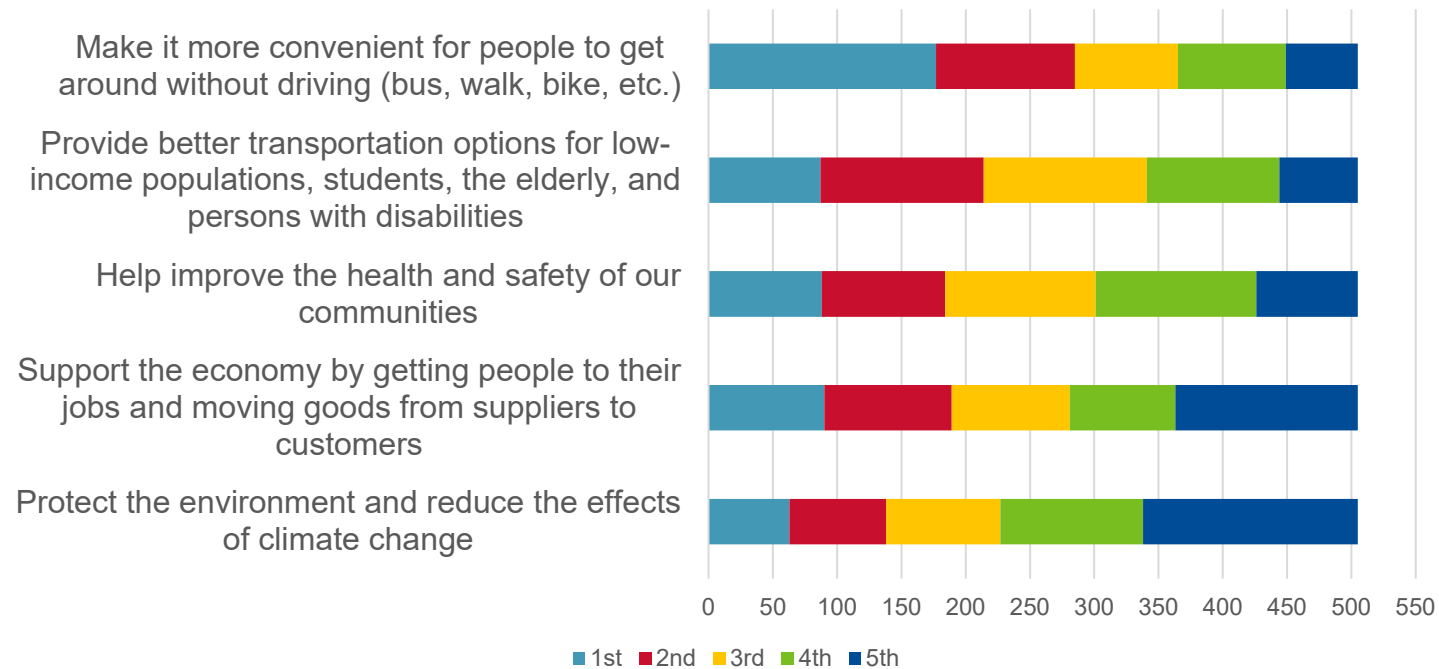
What are the top mobility challenges you face?



Preliminary Survey Results – Transportation Priorities

- Improving convenience of alternatives to driving was the most common top priority
- Equity and health were generally rated in the middle
- The economy was 2nd most common top priority, but also the 2nd most common last priority
- Fewer respondents prioritize environmental factors

Aside from basic mobility, it is most important for the County's transportation system to (rank by priority):



LRMTP Vision Goals, Objectives, and Performance Measures

LRMTP Vision Statement

SBCTA's long-range plan supports integrated, multimodal transportation to strengthen the health of our communities, the environment, and our economy by providing safe, reliable, and equitable connectivity for people and goods in, to, and through San Bernardino County.



LRMTP Goals and Objectives

Goals		Objectives
Connectivity	Improve multimodal mobility and safe access to destinations for all users	<ul style="list-style-type: none"> • Improve multimodal mobility and access to jobs, housing, and key destinations • Improve connectivity between modes and services • Better integrate transit and bicycle/pedestrian facilities with land use planning
Equity	Reduce transportation burdens for low-income communities, communities of color, people with disabilities, and other disadvantaged groups	<ul style="list-style-type: none"> • Reduce cost burden to underserved communities • Improve access to mobility options for disadvantaged groups
Economy	Support a vibrant, resilient economy	<ul style="list-style-type: none"> • Support access to employment, educational institutions, and businesses via all modes, with special emphasis on transit, shared-rides, and non-motorized • Improve freight's economic competitiveness and efficiency • Maintain infrastructure in a state of good repair • Deploy resources in a cost-effective manner
Environment	Enhance environmental health and reduce negative transportation impacts	<ul style="list-style-type: none"> • Reduce VMT, GHG emissions, and air pollution • Strengthen the transportation system's resiliency to withstand and recover from disruptions brought about by natural disasters, climate change, and other factors • Support clean mobility technology, including the freight sector
Quality of Life and Public Health	Enable vibrant, healthy communities	<ul style="list-style-type: none"> • Manage the impact of freight traffic in neighborhoods • Reduce sources of delay on the transportation system • Increase the share of people carpooling, bicycling, walking, and taking transit
Safety	Provide a safe and secure transportation system	<ul style="list-style-type: none"> • Reduce fatalities, injuries, and incidents on the transportation system

Measuring Performance

- Total VMT and VHT (by truck and by passenger vehicles)
- Average passenger vehicle VMT per capita
- Person-hours traveled for work and non-work trips
- Annual hours of delay (total and per capita)
- Mode share for work trips
- Transit ridership
- Share of population, population in disadvantaged communities, and employment within half mile of transit stop
- Share of population, population in disadvantaged communities, and employment in high quality transit areas (as defined by SCAG)
- GHG emissions (total and per-capita)
- Criteria pollutant emissions
- Truck delay by facility type (freeway, interchange, arterial)



Scenario Planning

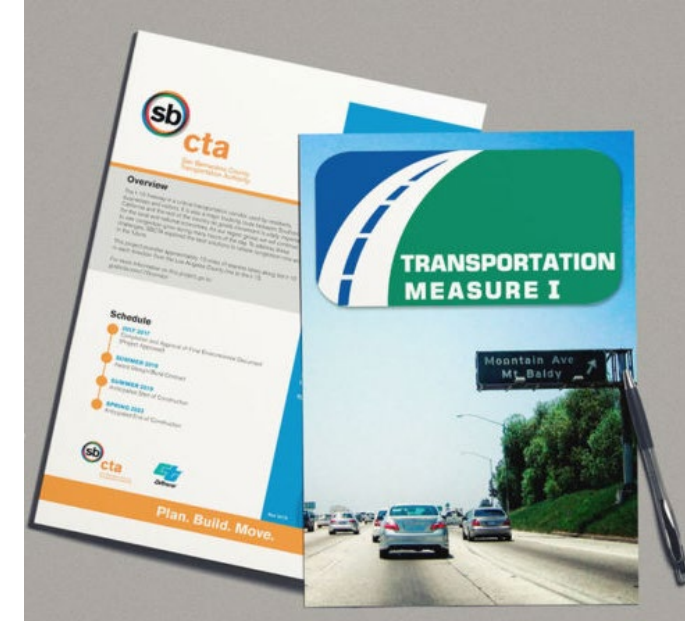
Scenario Planning Process

- To inform the recommendations of the plan, two levels of transportation investment (Baseline and Enhanced) will be modeled with multiple context scenarios that influence travel demand (e.g., increased telework)
- SBCTA's Travel Demand Model (SBTAM+) includes assumptions for Baseline and Enhanced networks
- Today's discussion focuses on establishing the **context scenarios** we will use to evaluate the networks and develop additional recommendations

Transportation Network	Demand Context		
	A	B	C
Baseline	1	2	3
Enhanced	4	5	6

Transportation Network Investment

- Baseline
 - Includes transportation improvements that can be funded with known funding sources: Measure I, mitigation fees, gas tax funds, tolls, and reasonably expected discretionary grants
- Enhanced
 - Assumes more availability of new funding sources (ex. supplemental Measure I, statewide VMT fee, aggressive discretionary grants)
 - Roughly corresponds to financially constrained scenario for SCAG RTP
- These networks have been preliminarily developed within SBTAM+, but additional elements can be incorporated based on scenario modeling results



Context Scenarios

- The future is uncertain, as reinforced by recent experience with the COVID-19 pandemic and its influence on travel behavior
- To test the resilience of the LRMTTP's strategies and recommendations, improvements to the transportation network will be tested in "multiple futures" with different background conditions
- How will society change over the next two decades? Potential scenarios include:
 - "Business as Usual" - travel patterns return to pre-pandemic conditions
 - "Virtual Future" – Shift to remote work, e-commerce, and online interaction is permanent or even grows stronger
 - "Smart Growth" – future population and employment growth is concentrated around major transit corridors



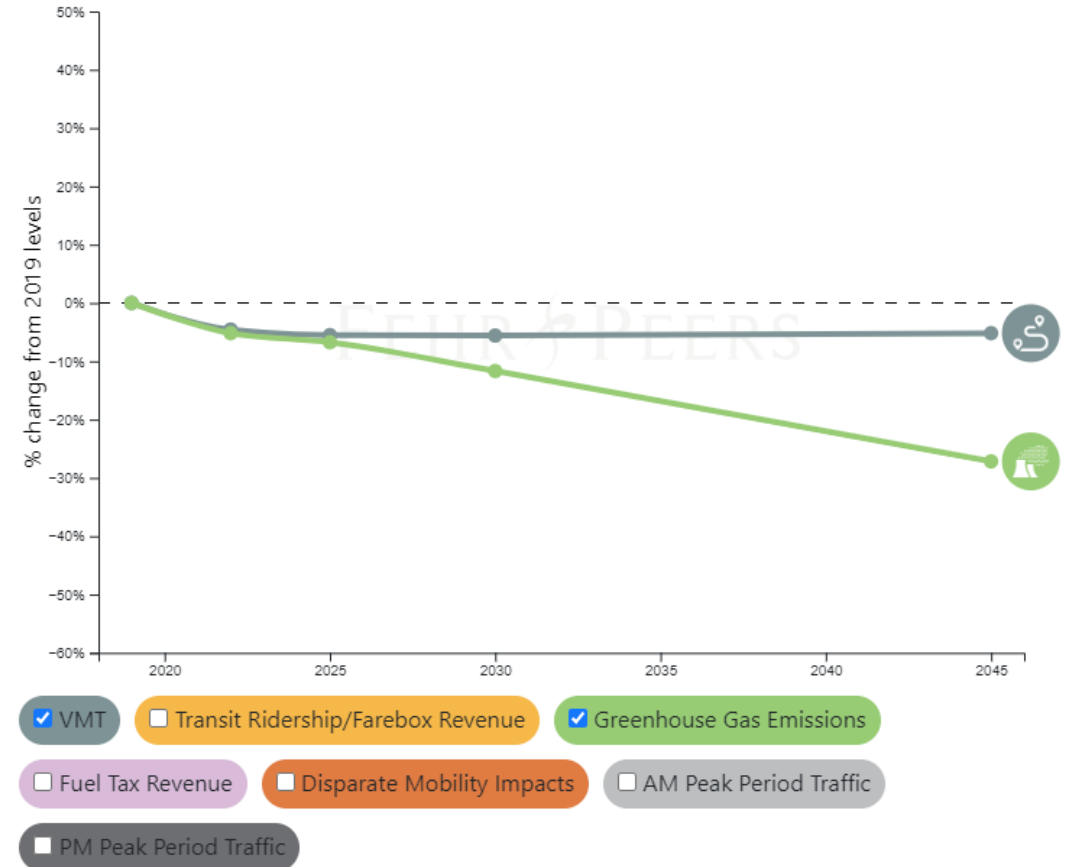
Scenario Planning Steps

1. Develop context scenarios
2. Model existing Baseline/Enhanced network in each context
3. Review results, assess gaps and opportunities
4. Develop additional recommendations for Baseline/Enhanced networks
5. Model revised networks in each context

Context Scenarios – Trendlab+ exercise

- Trendlab+ is a tool that:
 - Evaluates disruptive forces stemming from socio-demographic changes, new technologies, and Covid-19
 - Predicts how disruptive forces affect travel, modal performance and equity
 - Accounts for trends such as telecommuting, home deliveries, and health and safety concerns
 - Assesses effect of emerging technologies such as EVs and AVs

See Your Forecasts



Context Scenario Discussion using TrendLab+ web tool

Next Steps

- Establish Context Scenarios
- Model existing Baseline/Enhanced networks in each context scenario
- Review results, assess gaps and opportunities

Project Contact Information

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