



OAHU METROPOLITAN
PLANNING
ORGANIZATION

Presentation to ITE Hawaii Section Meeting

August 28, 2024

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OahuMPO Initiatives and Updates

- Transportation Project Management Training Program
- Oahu Regional Transportation Plan (ORTP) 2050
 - Scenario Planning Approach
- Community Engagement Efforts



Transportation Project Management Training Program - Overview

- In 2023, we established a Project Management Training Program to enhance the skills of State and Local government workers involved in federally-funded transportation projects
- 23 U.S.C. 504(e) allows for STBG funds to be used at 100% federal share (no local match required) for workforce development, training, and education
- We use these federal funds to organize and run a monthly training program and an annual mobile workshop
- In 2023, we had 30 participants, 20 of which joined us on the mobile workshop
- In 2024, 40+ people signed up the training program

Transportation Project Management Training Program - Goals

- Allow the region to bring in more federal transportation funds by increasing the capacity of staff to manage projects
- Enhance the knowledge and skills of government agency staff involved in the planning and design of federally funded transportation projects
- Target public agency staff who are practitioners, project managers, and other personnel supporting project planning, funding, design, and development
- Increase skills and knowledge that will help these professionals manage the challenges of using federal funds, comply with federal regulations, and complete projects on-time and on-budget

Transportation Project Management Training Program

- Instructors include experienced project managers from Hawaii State DOT, City and County of Honolulu, Federal Highway Administration, peer cities, and private sector
- Group activities, Speaker Panels, Guest speakers from other Cities



Transportation Project Management Training Program

- 30+ participants in 2023
- Met one full day each month, January to September. Nine all-day sessions.
- Curriculum included:
 - Federal transportation policies and programs
 - Project development process
 - Funding, procurement, contract management
 - Project planning and scheduling
 - Operations, maintenance, evaluation, etc.
- Focus on Safety, Equity, Complete Streets, Sustainability



Transportation Project Management Training Program – Mobile Workshop

- Two days each in Seattle and Portland
- Met with Project Managers and peers from WSDOT, City of Seattle, ODOT, City of Portland, Oregon Metro (MPO), and others



Transportation Project Management Training Program – Mobile Workshop



- Viewed and experienced completed federally funded projects in peer locations
- Met with project managers who have successfully implemented federally funded projects
- Asked questions, heard lessons-learned, and received advice from other regions and states



Transportation Project Management Training Program – Participant Feedback

Before and After Surveys were sent to the participants:

- Overall Project Management Training Program
- Mobile Workshop participants

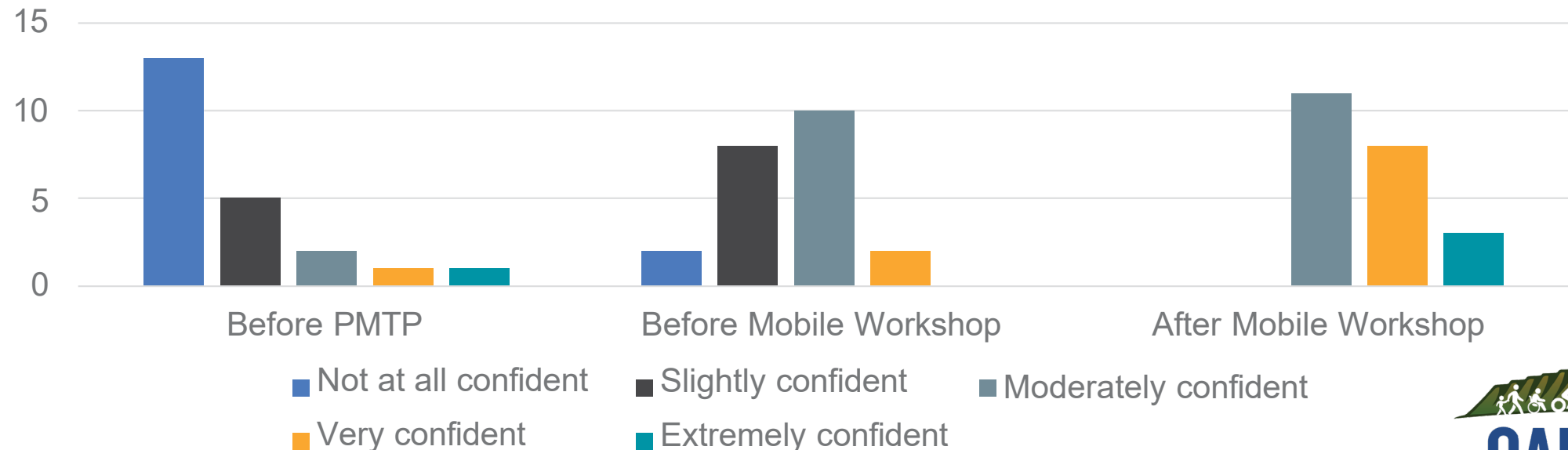
Findings:

- The Training Program received excellent feedback from participants
- Many respondents stated that they would feel more comfortable using federal funds
- Feel more confident about managing projects
- Some participants learned creative project delivery, procurement, or other methods they can apply to their work

Confidence Rises After the Mobile Workshop

How confident are you using federal funds to implement multimodal transportation projects in Hawai'i?					
	Not at all confident	Slightly confident	Moderately confident	Very confident	Extremely confident
How I felt BEFORE the Training Program started	13	5	2	1	1
How I felt BEFORE attending the mobile workshop	2	8	10	2	0
How I felt AFTER attending the mobile workshop	0	0	11	8	3

How confident are you using federal funds to implement multimodal transportation projects in Hawai'i?



Transportation PM Training Program Conclusions

- Overall, the program successfully met the goal of increasing capacity and confidence among staff regarding use of federal funds for transportation projects
- The Mobile Workshop was particularly well-received and recommend that all future participants attend this part of the training program
- HDOT Director agreed to transfer \$300K per year of Statewide STBG funding to do it again in 2024 and make it available to other counties
- LTAP supporting with travel reimbursement for attendees visiting from other islands



Overview of the
Project
Management
Training program
and mobile
workshop

Video Link: <https://www.youtube.com/watch?v=IMLtTO9dVJY>

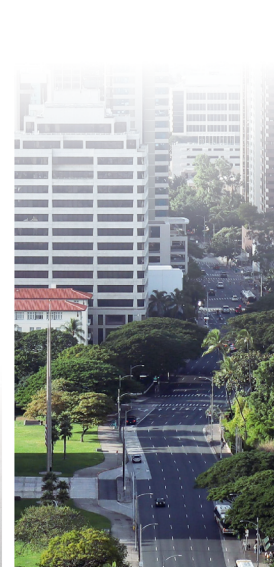




O'ahu Regional
Transportation
Plan 2050

2050 Oahu Regional Transportation Plan

Scenario Planning



Purpose of Scenario Planning

In the context of a Long-Range Transportation Plan:

- An exercise to **“see” potential outcomes of a shared vision**
- A process to evaluate potential transportation investments against the 2050 ORTP **goals and objectives**
- A tool for **guiding long-range investment strategy**



ORTP 2050 - Vision



In 2050, Oahu's transportation system serves the health, economic, social, and cultural well-being of all people who live and visit the island with safe, reliable, and affordable multi-modal travel choices. The network is equitably maintained and operated, resilient to the effects of climate change, and upholds our community's commitments to culture and the environment.



ORTP 2050 - Goals



Goal 1: Reduce serious injuries and traffic deaths to zero

Goal 2: Enhance the transportation network to increase active and public transportation

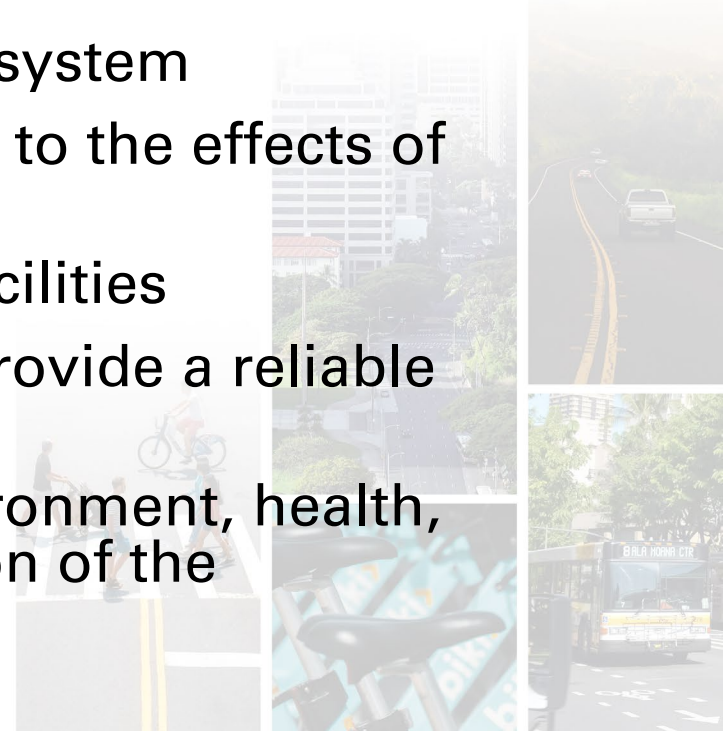
Goal 3: Provide an equitable and affordable transportation system

Goal 4: Adapt Oahu's transportation network to be resilient to the effects of climate change

Goal 5: Invest in maintenance to preserve transportation facilities

Goal 6: Integrate land use and transportation planning to provide a reliable and efficient multimodal transportation system

Goal 7: Achieve state and county commitments to the environment, health, and culture in the development, maintenance, and operation of the transportation system



ORTP 2050 - Objectives



- 1.1 Prioritize safety in the planning, design, and selection of projects.
- 1.2 Reduce Dangerous Driving Behaviors.
- 1.3 Implement safety plans for transit.
- 2.1 Increase the number of people who walk and bike.
- 2.2 Increase the number of people who utilize transit.
- 2.3 Reduce the percentage of people driving alone.
- 3.1 Invest in Title VI and Environmental Justice Areas.
- 3.2 Provide transit access to assist in reducing household transportation costs.
- 4.1 Address the vulnerability of Oahu's surface transportation facilities caused by sea level rise.
- 4.2 Provide redundant emergency access, especially in singular access communities.
- 5.1 Ensure roadways and bridges are in good condition.
- 5.2 Ensure transit vehicles and facilities are in good condition.
- 6.1 Improve coordination between land use and transportation.
- 6.2 Improve transit reliability.
- 6.3 Improve the reliability and efficiency of highways freight networks.
- 7.1 Reduce greenhouse gas emissions from surface transportation.
- 7.2 Support active living by increasing mileage of sidewalks and bike facilities.



Scenario Development

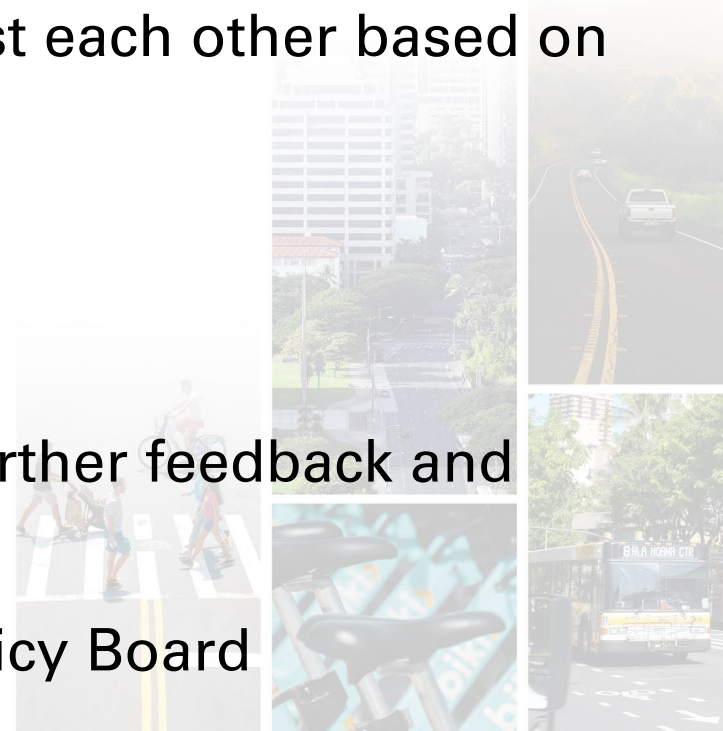
- Task is to develop and evaluate three scenarios with the same target year: 2050
 - 3 Exploratory Scenarios (“What if we...”)
 - Rail Focused Scenario
 - Bus Rapid Transit (BRT) Focused Scenario
 - Roadway Focused Scenario
 - 1 Preferred Scenario to be developed



Scenario Development Steps



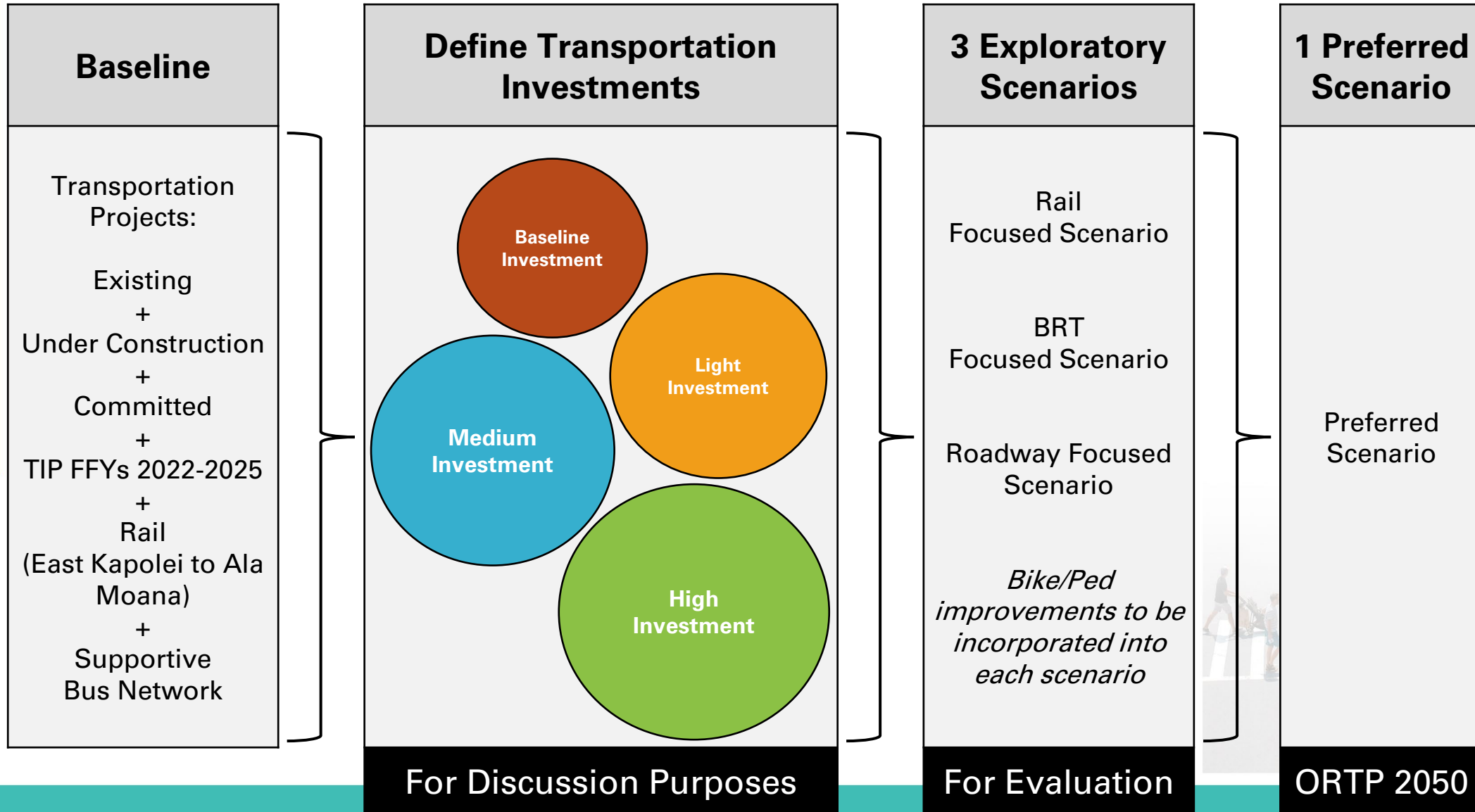
1. Develop the baseline and three exploratory scenarios
2. Define the right mix of transportation investments for each exploratory scenario
3. Evaluate and compare the exploratory scenarios against each other based on the ORTP 2050 Goals and Objectives
 - a) Conduct public outreach and gather feedback
4. Apply findings to craft a Preferred Scenario
5. Evaluate and adjust the Preferred Scenario based on further feedback and discussion
6. Seek endorsement of the Preferred Scenario by the Policy Board



Scenario Development Process



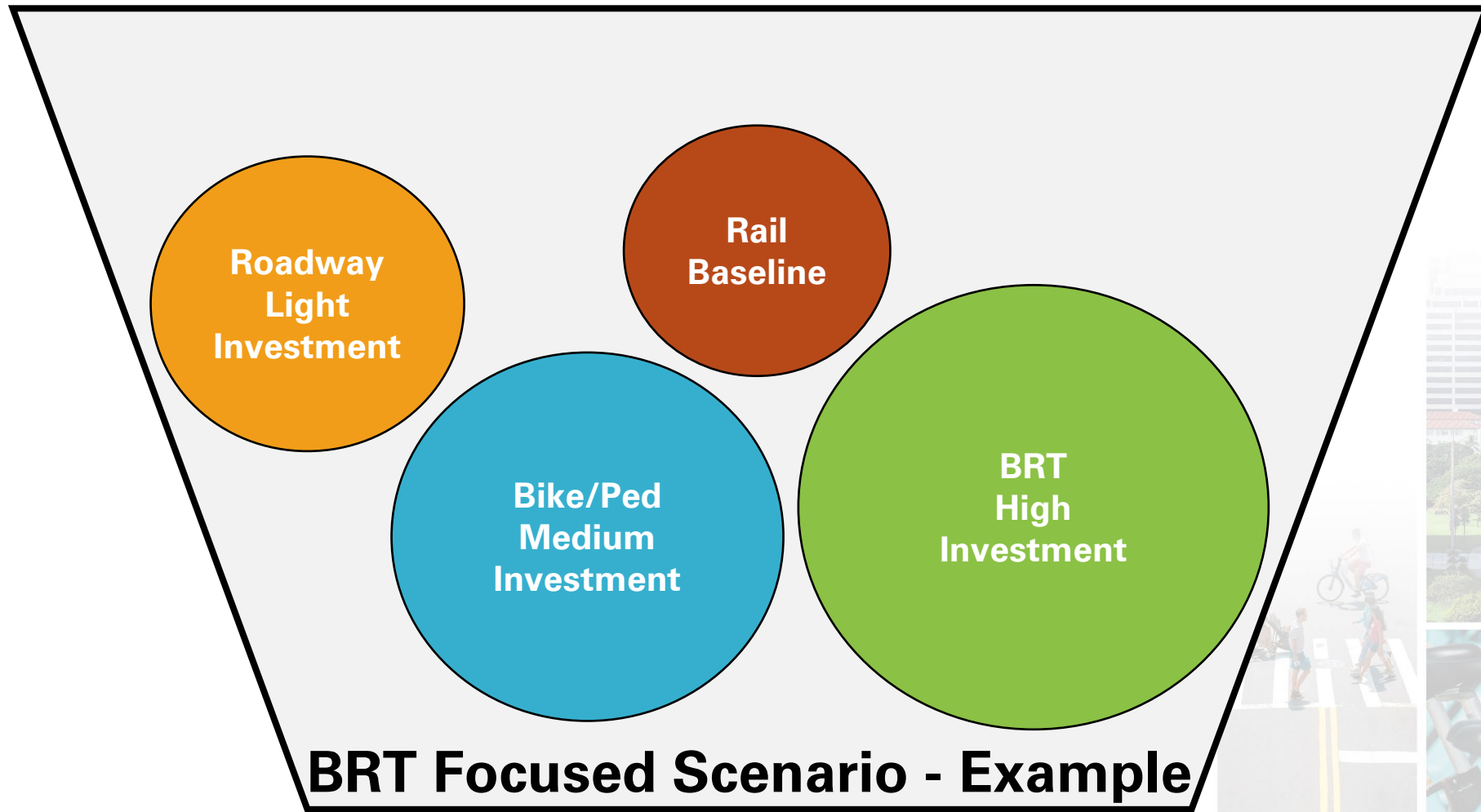
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Exploratory Scenario - Example



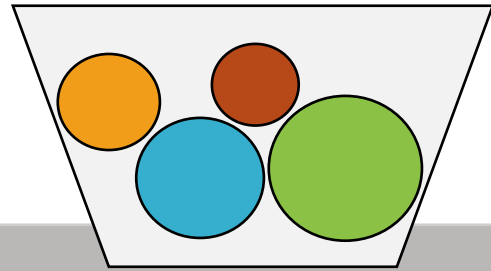
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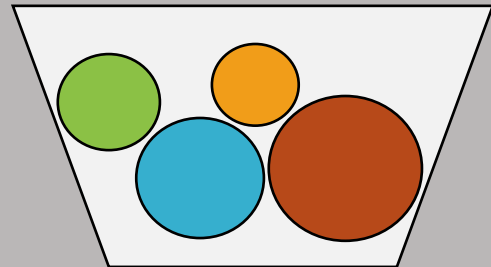
Development of the Preferred Scenario



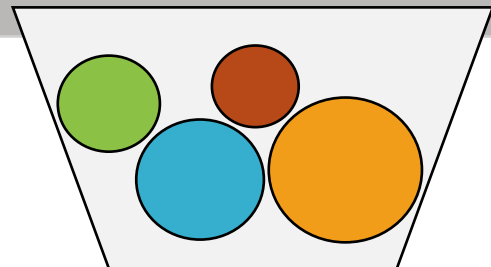
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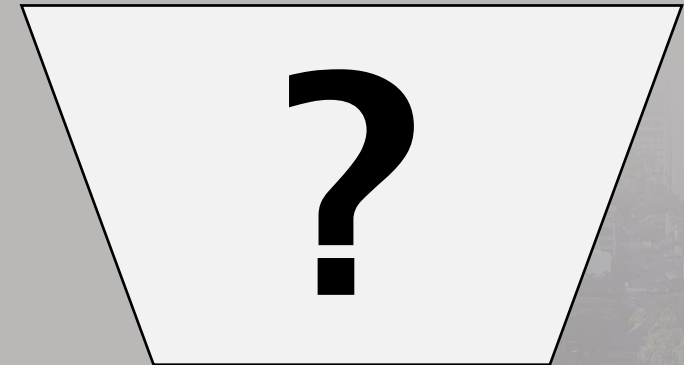
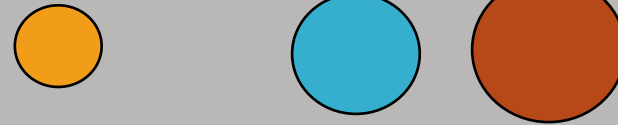
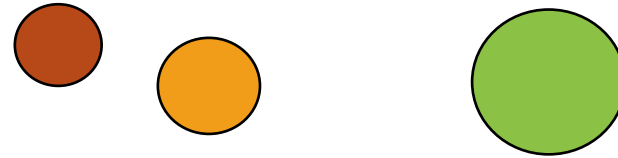
**BRT Focused
Scenario**



**Rail Focused
Scenario**



**Roadway
Focused Scenario**



Preferred Scenario



Defining Transportation Scenarios



- To help define the transportation investments for each exploratory scenario, we have developed maps showing different investment options for each transportation mode:
 - Rail
 - Bus Rapid Transit
 - Roadway

Funding sources, costs, feasibility, bus/rail station locations, etc. will still need to be determined.





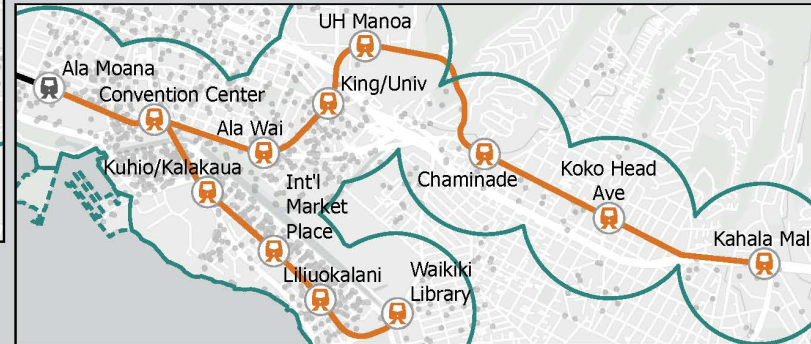
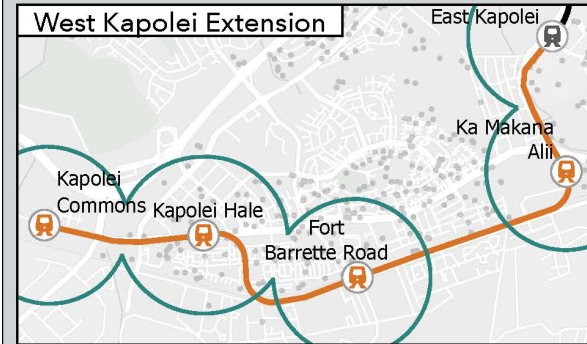
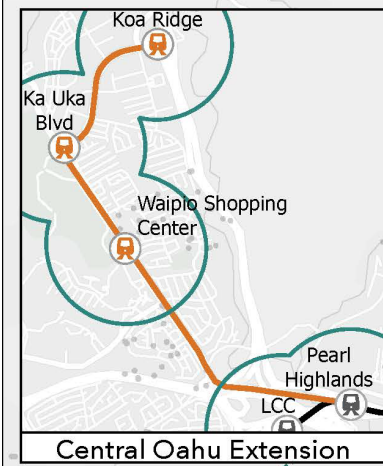
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Plan 2050**

OahuMPO ORTP 2050 Rail Investment Options

Rail Alignment	Bike Improvements
— Baseline	▭ Potential (3-Mile Radius)
— Potential	
Rail Stations	Pedestrian Improvements
🚆 Baseline	▭ Potential (0.5-Mile Radius)
🚆 Potential	
	2045 Projected Population Density
	1 Dot = 100 People

Rail Investment Options

- Baseline: To Ala Moana Center
- West Kapolei Extension
- Central Oahu Extension
- Kahala Mall via UH Manoa Extension
- Kapahulu via Waikiki Extension
- Bike/Pedestrian Improvements
 - Bike: Concentrated within a 3-mile radius around rail stations
 - Pedestrian: Concentrated within a 0.5-mile radius around rail stations



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OahuMPO ORTP 2050 BRT Investment Options

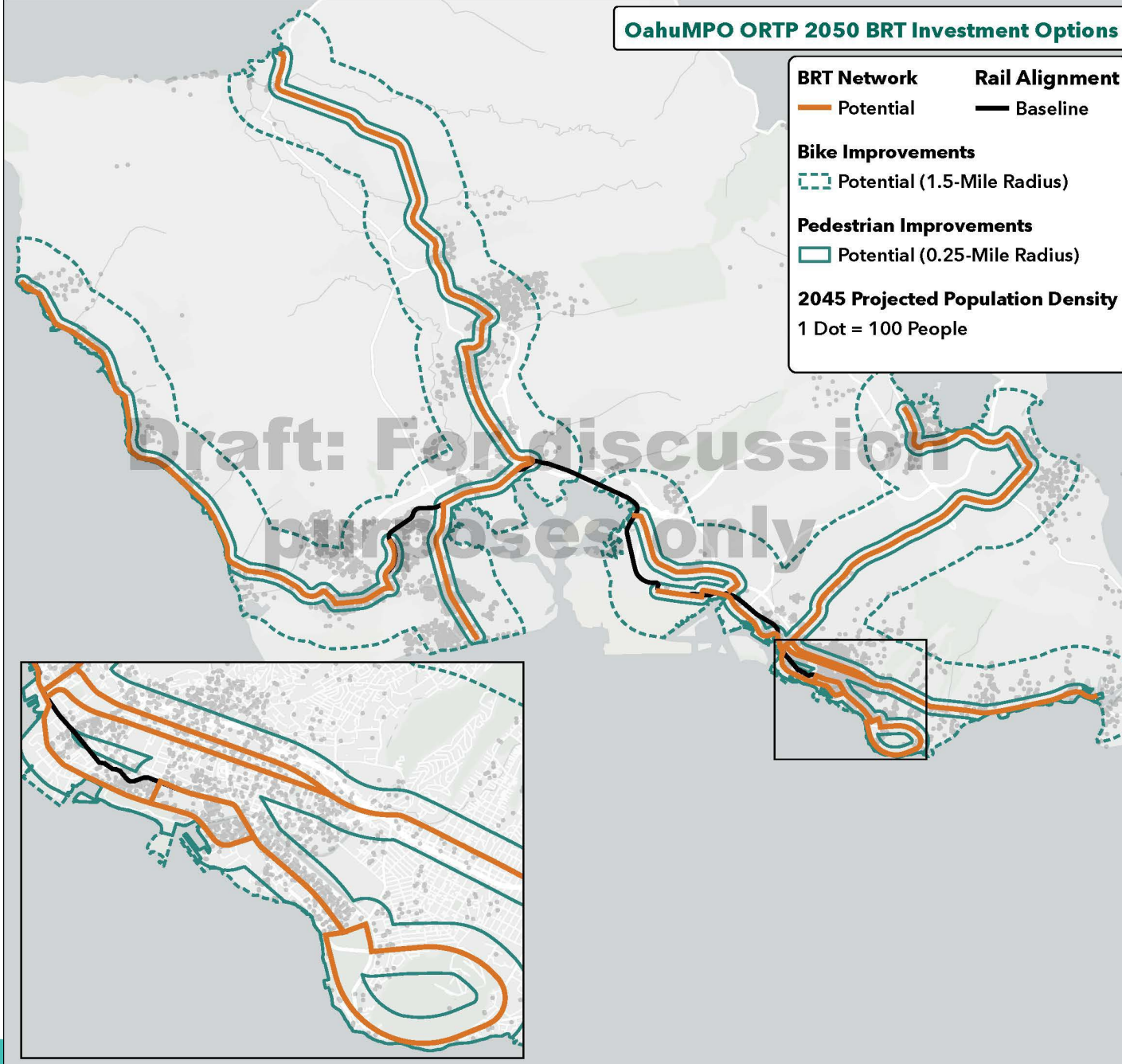
BRT Investment Options



O'ahu Regional Transportation Plan 2050

- Baseline: No BRT Routes
- Ewa-Haleiwa
- UH West Oahu-Makaha
- Airport-Waikiki
- Hawaii Kai-Downtown
- Ala Moana-Diamond Head
- Salt Lake Blvd
- Windward-Downtown
- Bike/Pedestrian Improvements
 - Bike: Concentrated within a 1.5-mile radius along BRT corridors
 - Pedestrian: Concentrated within a 0.25-mile radius along BRT corridors

BRT Network	Rail Alignment
— Potential	— Baseline
Bike Improvements	
- - - Potential (1.5-Mile Radius)	
Pedestrian Improvements	
□ Potential (0.25-Mile Radius)	
2045 Projected Population Density	
1 Dot = 100 People	



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OahuMPO ORTP 2050 Roadway Investment Options

Roadway Projects

- Baseline
- Potential

2045 Projected Population Density

1 Dot = 100 People

Roadway Investment Options

- Baseline: Existing, Under Construction, Committed, and TIP FFYs 2022-2025 Roadway Projects
- ORTP 2045 Mid-Range Roadway Projects
- ORTP 2045 Long-Range Roadway Projects
- ORTP 2045 Unfunded Roadway Projects
- Bike/Pedestrian Improvements
 - Incorporated if part of the project scope



**O'ahu Regional
Transportation
Plan 2050**

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purposes only**

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Evaluating Scenarios - Considerations



- Compare against each other
- Evaluate for consistency with ORTP 2050 Goals and Objectives
- Potential to achieve Performance Measures
- Consider cost, potential funding sources, and institutional capacity to build the projects within the Plan timeframe
- Consistency with other plans, policies, and commitments (e.g., recent Climate Change Lawsuit Settlement)



Evaluating Scenarios - Methods

- Travel Demand Forecast Model
- GIS-based Analyses
- Technical Tools (e.g., MOVES)
- Policy Alignment



Scenario Evaluation - Example



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Plan 2050

ORTP 2050 Objectives	Rail Focused Scenario	BRT Focused Scenario	Roadway Focused Scenario
1.1 Prioritize safety in the planning, design, and selection of projects. 1.2 Reduce Dangerous Driving Behaviors. 1.3 Implement safety plans for transit.	Light	Light	Light
2.1 Increase the number of people who walk and bike. 2.2 Increase the number of people who utilize transit. 2.3 Reduce the percentage of people driving alone.	Light	Light	Light
3.1 Invest in Title VI and Environmental Justice Areas. 3.2 Provide transit access to assist in reducing household transportation costs.	Light	Light	Light
4.1 Address the vulnerability of Oahu's surface transportation facilities caused by sea level rise. 4.2 Provide redundant emergency access, especially in singular access communities.	Light	Light	Light
5.1 Ensure roadways and bridges are in good condition. 5.2 Ensure transit vehicles and facilities are in good condition.	Light	Light	Light
6.1 Improve coordination between land use and transportation. 6.2 Improve transit reliability. 6.3 Improve the reliability and efficiency of highways freight networks.	Light	Light	Light
7.1 Reduce greenhouse gas emissions from surface transportation. 7.2 Support active living by increasing mileage of sidewalks and bike facilities.	Light	Light	Light
Less Supportive			More Supportive

OahuMPO Community Engagement Efforts

Metroquest & Social Pinpoint



Community pop up events



Branding & marketing



Transportation education



Metroquest & Social Pinpoint

ALOHA

Help us plan for the future!

Learn more about this initiative before you begin.

E komo mai!

The Oahu Metropolitan Planning Organization (OahuMPO) is updating the Oahu Regional Transportation Plan (ORTP) to serve as a guide to how you would like to get around Oahu in 2050. Whether walking, biking, driving, taking a bus or train, we need a plan that works for all of us.

→ Next

This survey aims to gather input from the public on the approved goals and objectives. The next slides will provide context for the goals, ask your thoughts on the correlating objectives, and give you an opportunity to compare how transportation modes align with the goals you prioritize.



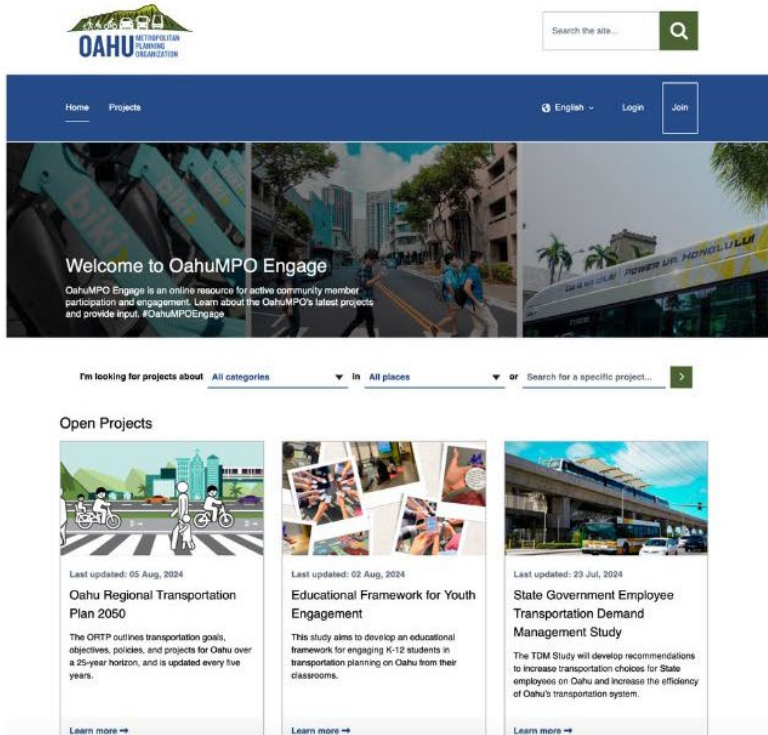
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GOALS 3 4 5

OBJECTIVES

PATH FORWARD

WRAP UP



OAHU METROPOLITAN PLANNING ORGANIZATION

Search the site...

Home Projects English Login Join

Welcome to OahuMPO Engage

OahuMPO Engage is an online resource for active community member participation and engagement. Learn about the OahuMPO's latest projects and provide input. #OahuMPOEngage

I'm looking for projects about All categories In All places or Search for a specific project...

Open Projects

- Oahu Regional Transportation Plan 2050**
Last updated: 05 Aug, 2024
The ORTP outlines transportation goals, objectives, policies, and projects for Oahu over a 25-year horizon, and is updated every five years.
Learn more →
- Educational Framework for Youth Engagement**
Last updated: 02 Aug, 2024
This study aims to develop an educational framework for engaging K-12 students in transportation planning on Oahu from their classrooms.
Learn more →
- State Government Employee Transportation Demand Management Study**
Last updated: 23 Jul, 2024
The TDM Study will develop recommendations to increase transportation choices for State employees on Oahu and increase the efficiency of Oahu's transportation system.
Learn more →



Community pop up events



Branding & Marketing



Branding & Marketing



Transportation Education

