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Appendix A: Directions 2045 Long Range Transportation Survey
Infographic



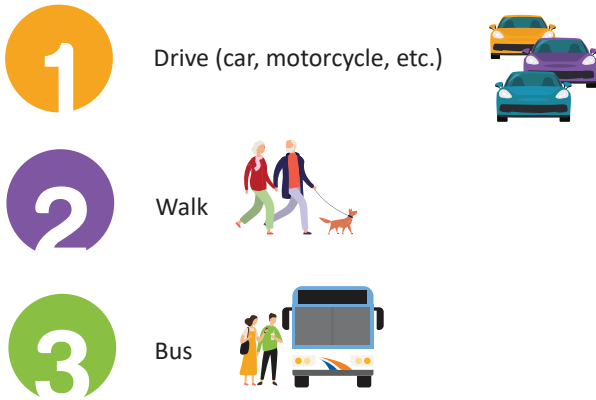


DIRECTIONS 2045

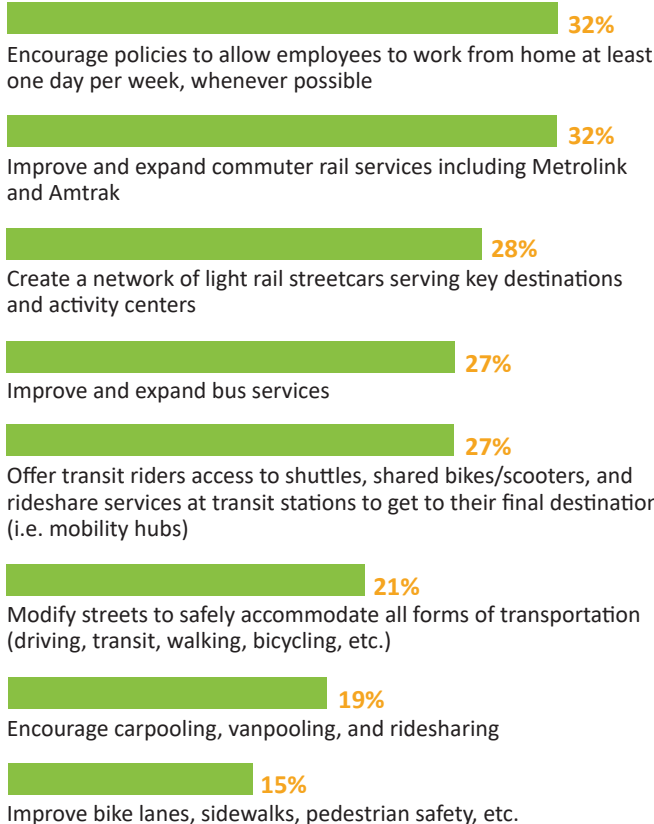
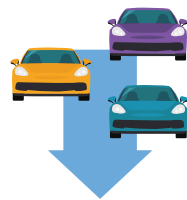
LONG RANGE TRANSPORTATION PLAN

Survey Results & Outreach

How people travel from place to place:



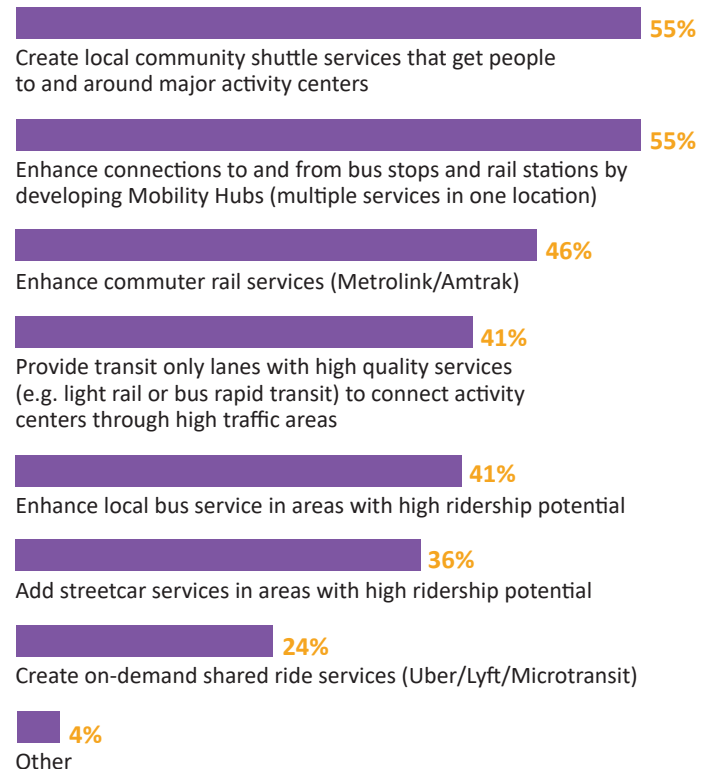
Strategies to help decrease traffic congestion and reduce how much people need to drive in the future (top two):



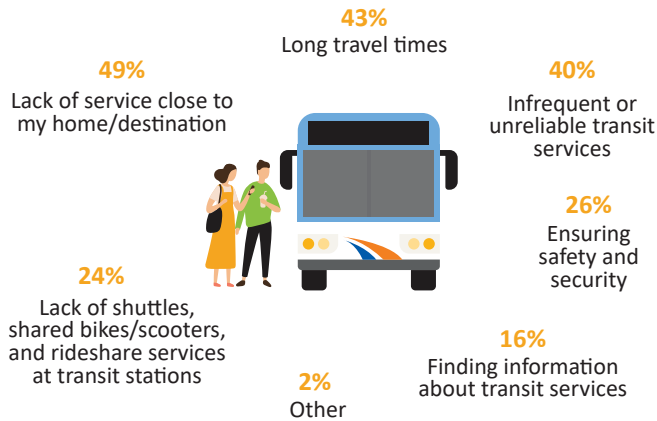
Strategies to encourage people to drive less or use alternative forms of transportation (top two):



Transit improvements to help relieve congestion in Orange County (top three):



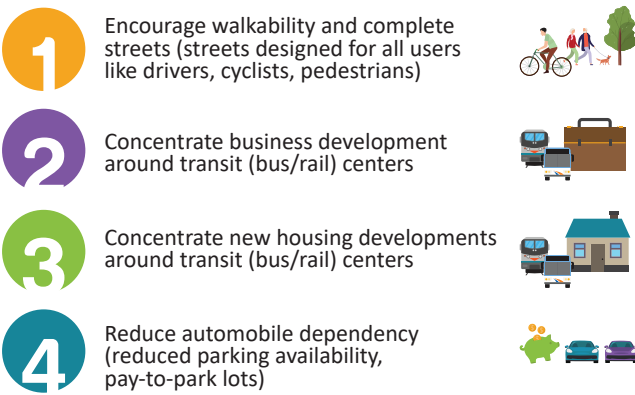
Main challenges to increase transit (top two):



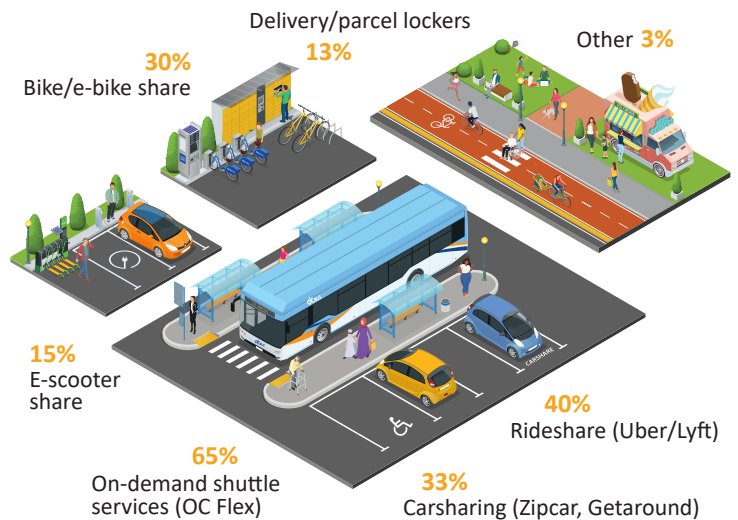
Ranking of transportation improvement types:



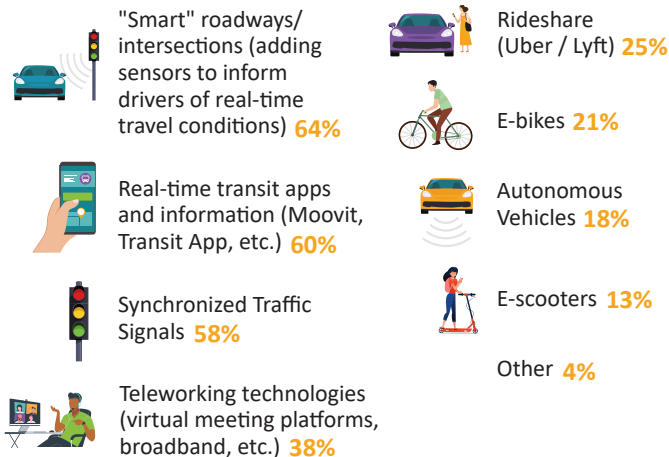
Ranking of land use strategies to relieve traffic congestion:












Preference of potential services at Mobility Hubs (top two):



Preference of technology solutions to improve transportation (top three):



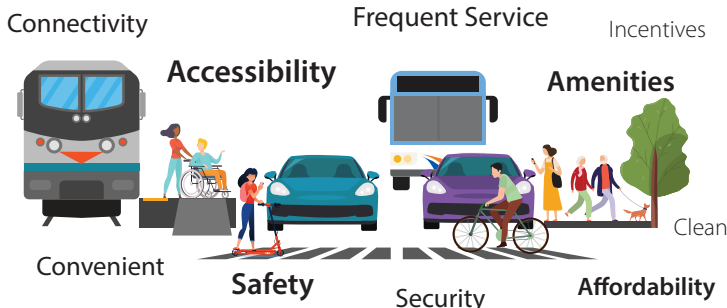
Ranking of amenities/services at Mobility Hubs:

- 1 Security features (cameras, lighting, etc.)
- 2 Bathrooms 
- 3 Seating and open space 
- 4 Secure bicycle parking 
- 5 Availability of staff at the transit station 
- 6 USB charging station 
- 7 Dining options (food trucks/carts, vending machines) 
- 8 Bicycle repair stand/station 
- 9 ATM machines 
- 10 Storage lockers for luggage or package delivery 

Potential Mobility Hub locations in Orange County (top two):

- 48% At major visitor destinations (amusement parks, shopping malls, beaches, etc.) 
- 37% At rail stations/stops 
- 29% Educational Facilities (universities, colleges, etc.) 
- 27% At bus stations/stops 
- 25% At neighborhood shopping centers 
- 19% Near residential areas 
- 16% At employment centers 
- <1% Other

Reasons to use Mobility Hubs:



Demographics

Age range:

- 5% 16-24
- 14% 25-34
- 16% 35-44
- 18% 45-54
- 24% 55-64
- 15% 65-74
- 4% 75 or older
- 4% Prefer not to answer



Annual household income:

- 17% Less than \$30,000
- 13% \$30,000 – \$49,999
- 14% \$50,000 – \$79,999
- 13% \$80,000 – \$109,000
- 15% \$110,000 – \$169,000
- 10% \$170,000 or more
- 18% Prefer not to answer



Ethnicity:

- 46% Caucasian/White
- 21% Latino/Hispanic
- 3% African American/Black
- 1% American Indian or Alaskan Native
- 13% Asian – Korean, Japanese, Chinese, Vietnamese, Filipino or other Asian
- 1% Pacific Islander
- 1% Middle Eastern
- 3% Mixed Heritage
- 1% Other
- 10% Prefer not to answer

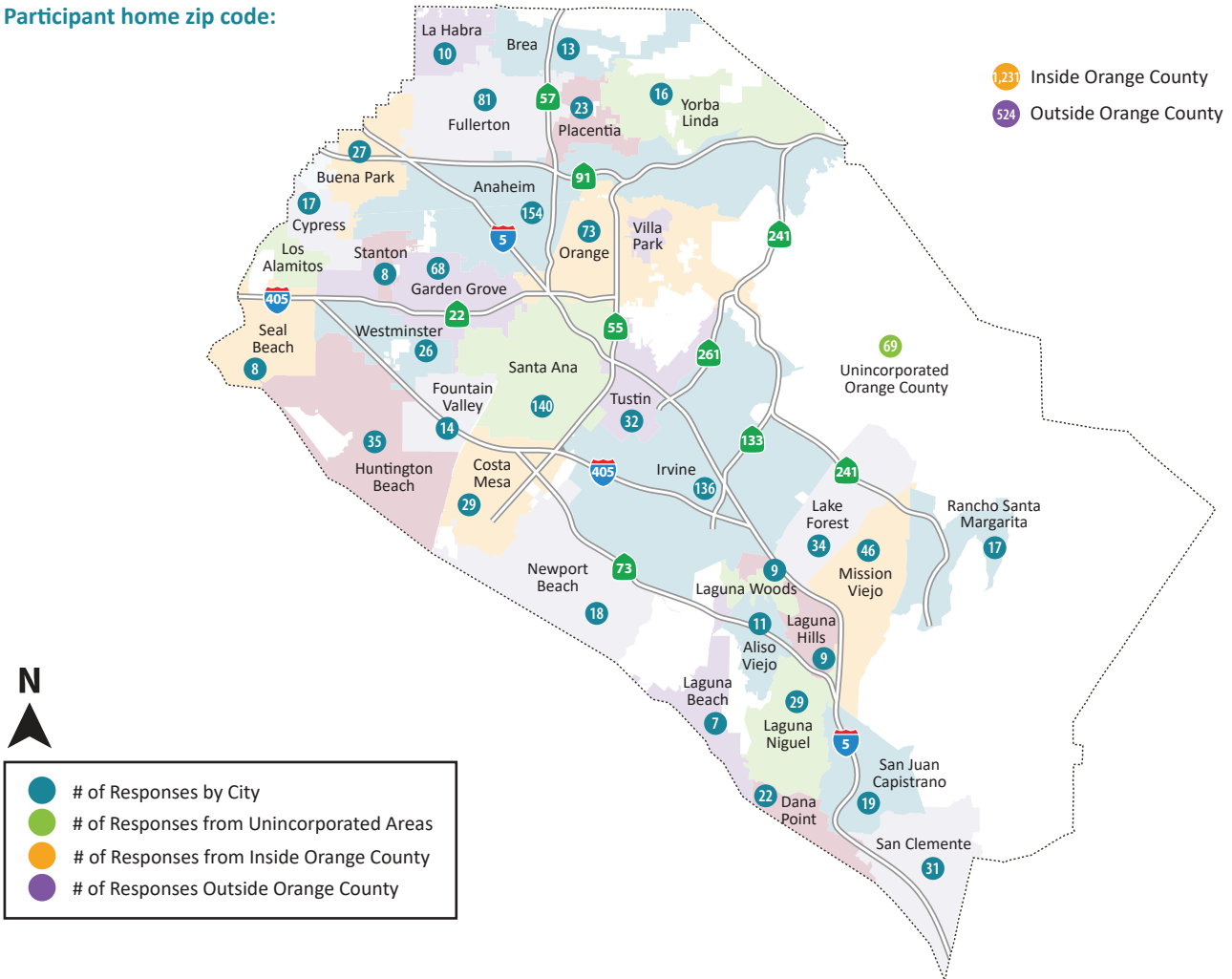


Community Engagement

- Collected **1,825** completed surveys from September 28 to October 31, 2021
- E-mailed **22** project notices to up to **67,000** bus and rail riders, rideshare travelers and project stakeholders
- Advertised in Spanish and Vietnamese newspapers
- Broadcasted **20** Vietnamese radio advertisements
- Hosted **5** OCTA committee briefings, **2** Community Leader Roundtable webinars and **1** public webinar attracting **46** participants, as well as uploaded the public presentation and online video for those that could not attend
- Gathered **900+** public comments from survey respondents and engaged stakeholders during meetings and events

- Provided a multi-language helpline for interested parties to take the survey and comment on the study
- Conducted a text campaign sending **5** notices to nearly **300** interested parties
- Shared an e-communication toolkit with **34** local cities, **124** Community Leader Roundtable Members, and **12** OCTA committee/stakeholder organizations
- Announced the project through **OCTA's On-the Move** blog, newsletter and the press
- Promoted the project and survey with **4** Twitter posts, **1** Instagram Story, **6** OCTA Facebook posts, and **6** Facebook ads and **1** geofencing ad with **233,000+** views
- Shared materials in **English, Spanish** and **Vietnamese**

Participant home zip code:



Appendix B: Community Meeting



OCTA Mobility Hubs

Community Meeting

Meeting Program and Staff Assignments

Thursday, October 7, 5:30 – 6:30pm

1. Zoom Details

Team check-in: 5:00 PM for audio and microphone check and final questions. **USE INDIVIDUAL PANELIST LINKS.**

Meeting	Date/Time	Zoom Details
Meeting #1	Thurs., Oct. 7, 2021 5:30 – 6:30 PM Meeting time: 5:30 – 6:30 PM Debrief - Teams Link: 6:30-7PM	Link: MobilityHubs-Meeting.com Webinar ID: 834 3194 7204 Phone: (213) 338-8477 Spanish Line Call-in: 646.749.3335 Access Code: 373-074-269

Important Notes for Staff

- **Rename yourself** to show your name and organization (or title).
- Keep your **microphone muted** unless you are presenting.
- **Turn off your cameras** unless you are presenting (multiple cameras can be on during Q&A and comment period).
- **While presenting**, speak directly into your laptop/desktop.
 - Avoid turning your head away from your PC while speaking.
- **Do not use the chat function of the webinar.** This function will only be utilized by outreach staff to communicate with participants. Staff are encouraged to text when communicating with each other.
-

Pre-meeting check list – Day of meeting

- Sound** – Check speakers and mics to ensure sound quality is clear. Turnoff any background sounds, including fans, TV's, radio, etc.
- Lighting** – Ensure enough lighting is available. Keep in mind the time of day and proximity to windows and light sources.
- Background** – Use project background.
- Avoid sharing ceiling fans, televisions, frequently used doors, or any other potentially distracting items.
- Internet connection** – Use the most stable internet source possible.
- Avoid sharing ceiling fans, televisions, frequently used doors, or any other potentially distracting items.
- Remove any unused devices from your network prior to logging on.
- Pro Tip:** Test your internet connection speed and capabilities at the exact time of a future scheduled meeting to ensure local internet speeds are sufficient (See Ookla Speedtest App).

2. Meeting Format & Presenters

#	Presentation Section	Format / Speakers (s)	Time	Notes
I.	<p>A. INTRODUCTION</p> <p>*Panelists should have cameras on during the intro*</p> <p>PPT Slides (1-6)</p> <ul style="list-style-type: none"> Meeting Intro Housekeeping Accessing Spanish Interpretation Project Team Intro Purpose of Meeting Meeting Agenda <ul style="list-style-type: none"> Poll #1 – slide 7 	<ul style="list-style-type: none"> Christina Pirruccello - Community Relations (Prime Presenter) Alia Verloes – Principal Transportation Analyst Warren Whiteaker – Principal Transportation Analyst 	<p>(10) min.</p> <p>5:30-5:40pm</p>	<ul style="list-style-type: none"> Allot 1-2 minutes for attendees to join meeting Welcome participants Spanish interpretation announcement Maria to provide interpretation message in Spanish Brief overview of meeting format and interpretation Team introductions
II.	<p>B. Presentation – Mobility Hubs</p> <p>PPT Slides (8-16)</p> <ul style="list-style-type: none"> Overview of Mobility Hubs What are Mobility Hubs Benefits Main Components Examples 	<ul style="list-style-type: none"> Christina Pirruccello Introduces Alia Verloes 	<p>(20) min.</p> <p>5:40-6:00pm</p>	<ul style="list-style-type: none"> Christina introduces Alia for Mobility Hubs presentation
	<p>C. Zoom Polls and Outreach Efforts</p> <p>PPT Slides (16-20)</p> <ul style="list-style-type: none"> Poll 1 – Slide (7) Poll 2 – Slide (17) Poll 3 – Slide (18) 	<ul style="list-style-type: none"> Alia Verloes hands off to Christina 		<ul style="list-style-type: none"> Alia hands off Zoom Polls to Christina Christina will be set as co-host and will facilitate Zoom polls Christina to let Nancy know when polls need to close
III.	<p>D. Question and Answer Session</p>	<ul style="list-style-type: none"> Christina Pirruccello – Community Relations Warren Whiteaker – Project Manager Alia Verloes – Project Manager (Steer Group) 	<p>(20) min.</p> <p>6:00-6:20pm</p>	<ul style="list-style-type: none"> Christina will provide direction on how to participate Participants will be directed to the Q&A function or the “raise hand” function on Zoom AA will move questions from Q&A to Google doc. Call participants by name and allow them to speak, AA will unmute them Maria will read off the questions submitted and call

				on people who raise their hand
V.	E. CLOSING & THANK YOU <ul style="list-style-type: none"> • Staying Connected • Closing Remarks • Thank you! 	<ul style="list-style-type: none"> • Christina Pirruccello - Community Relations 	(5) min. 6:20-6:25pm	
VI.	F. DEBRIEF	<ul style="list-style-type: none"> • All Panelists & AA Staff Members 	Post Meeting	<ul style="list-style-type: none"> • Use Teams debrief link to join

3. Project Team Roles/Assignments

No	Staff Roles	Location	Assignments	Notes
OCTA				
1	Christina Pirruccello	Remote	Meeting Panelist, Presenter	Will be on camera
2	Warren Whiteaker	Remote	Meeting Panelist, Presenter	Will be on camera
3	Marissa Espino	Remote	Meeting Panelist	On if necessary
4	Jared Hill	Remote	Meeting Panelist	On if necessary
STEER				
4	Alia Verloes	Remote	Meeting Panelist, Presenter	On if necessary
LS Consulting				
5	Leslie Scott	Remote	Meeting Panelist	On if necessary
AA Outreach				
7	Nancy Verduzco	AA Office/Remote	Zoom Meeting Host Controls PPT, meeting functions, Q&A, moderating	<ul style="list-style-type: none"> Controlling participant audio during public comment session Assist in facilitating chat
8	Monica Paderanga	AA Office/Remote	Zoom Co-Host Chat monitoring, Zoom support	<ul style="list-style-type: none"> Monitor Q&A and manage chat inserts
9	Maria Yanez-Forgash	Remote	Outreach Lead Q&A Support	<ul style="list-style-type: none"> Only on camera if necessary Outreach Team Representative Q&A Interpreter
10	Jason Jackson	Remote	Meeting Chat Monitor	<ul style="list-style-type: none"> Taking notes of presentation and Q&A session
11	Benjamin Lopez	AA Office/Remote	Meeting Chat Monitor	<ul style="list-style-type: none"> Taking notes of presentation and Q&A session
10	Diana Orozco	Remote	Interpreter	

4. Meeting Details

Introduction (Christina)

- Christina will welcome all meeting participants and thank them for joining. Additional time (no more than 2 minutes) will be allotted to ensure all participants are able to successfully join the meeting. The meeting will then commence. Meeting title slide will be displayed while during waiting period.
- A short introduction by Christina will begin the meeting.
- Christina will call share how to access interpretation and Maria will repeat in Spanish
- Christina will reiew housekeeping, meeting format, project team introductions, purpose of meeting, and meeting agenda will take place during this section. This section should also include instructions on how to submit questions, access the meeting chat, and enable simultaneous translation if needed.
- All presenting project team members will need to be on camera and be identified.
- Reference to the meeting being recorded for note taking purposes should be clearly stated to all participants.
- Review and mention meeting decorum guidelines.

Main Meeting Presentation (Christina and Alia)

- The main meeting presentation will be conducted by Christina and Alia
- The PPT presentation will be shared by outreach staff member and meeting host/co-host Nancy Verduzco/Monica Paderagna (Arellano Associates)
- While presenting assigned slides, presenters should say “next slide” to initiate slide transitions

Zoom Polling and Q&A Session (Christina, Warren, and Alia)

- Christina will kick of the Zoom Polls and the Q&A Session
- Nancy will assist in by closing Zoom Polls
- Maria will assist in calling out attendees who raised their hand, read questions from Q&A, or phone line
- Christina will respond to outreach questions and handoff to appropriate team members to answer technical questions from meeting attendees
 - Comments will come verbally from attendees or through the Q&A function
 - Comments will be loaded into a Google Sheet for the meeting panel to pre-screen
- The interpreters, Diana Orozco (Spanish) will announce during this time that oral and written comments will be responded to after the meeting

Potential Discussion Questions:

Questions below will be used to guide the discussion in the absense of Q&A from the public

1. How do you travel around the OC region and what are your main challenges while traveling?
2. Do you use public transit? what would encourage greater use of transit
3. What would encourage you to use a mobility hub?
4. Where do you see the mobility hubs could located in OC?
5. Is there anything else you would like to share about Mobility Hubs?

Team Debrief (Team)

- Team members will stay on the line for team debrief -- [MEETING LINK](#)

Name	Panelist Link
Christina Pirruccello	Christina Pirruccello's Link
Warren Whiteaker	Warren Whiteaker's Link
Marissa Espino	Marissa Espino's Link
Jared Hill	Jared Hill's Link
Alia Verloes	Alia Verloes' Link
Leslie Scott	Leslie Scott's Link
Maria Yanez-Forgash	Maria Yanez-Forgash's Link
Jason Jackson	Jason Jackson's Link
Benjamin Lopez	Benjamin Lopez's Link
Nancy Verduzco	Will log in as host
Monica Paderanga	Monica Paderanga's Link



ORANGE COUNTY
Mobility Hubs Study
Customizing Mobility for Local Communities

Welcome! | ¡Bienvenido!
We will begin in a few moments. | Comenzaremos en unos momentos



1



ORANGE COUNTY
Mobility Hubs Study
Customizing Mobility for Local Communities

Mobility Hubs Community Meeting
October 7, 2021



2

Accessing Spanish Interpretation

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Spanish Interpretation

- Via Zoom
 - Click on the "Interpretation" icon
 - Pick the language you would like to listen to Spanish



Interpretación en español




- Via Zoom
 - Haga clic en el icono de "Interpretación"
 - Escoja la opción para escuchar en español

3

Today's Meeting Format

ORANGE COUNTY
Mobility Hubs Study

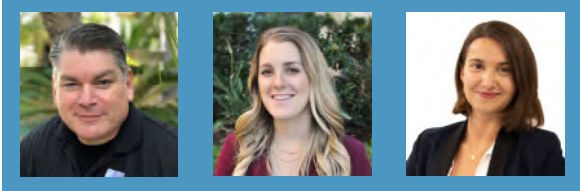
Today's meeting is being recorded.

-  Attendee cameras are off and microphones are muted.
-  Questions can be submitted throughout the presentation using the Q&A function. The team will respond to questions during the Q&A session.
-  Q&A session to follow the presentation. Please use the 'Raise Hand' icon to ask a question verbally.

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Today's Speakers

ORANGE COUNTY
Mobility Hubs Study



<p>Warren Whiteaker Orange County Transportation Authority Principal Transportation Analyst</p>	<p>Christina Pirruccello Orange County Transportation Authority Community Relations Specialist</p>	<p>Alla Verloes Steer Group Project Manager</p>
--	---	--

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Today's Agenda

ORANGE COUNTY
Mobility Hubs Study


- Introductions
- Overview of Mobility Hubs
- Mobility Hub Examples
- Outreach To-Date
- Question & Answer Session
- Stay Connected

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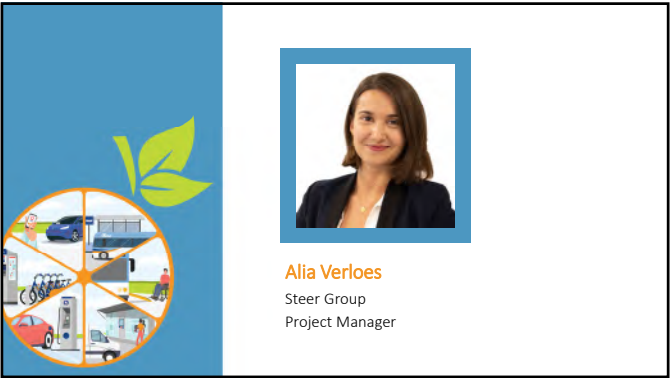
Poll #1: Introduction

Share your opinion...

- How did you learn about the today's meeting?
- Are you familiar with the term "mobility hub" and generally what they may include?



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Alia Verloes
Steer Group
Project Manager

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Overview

Why?

- OCTA is tasked with **creating a transit system that is responsive to changing user needs and regional demands.**
- This *Mobility Hubs Strategy* aims to **address the existing and anticipated future demands** within OC.

Milestones

- Project Completion: Spring 2022
- Public Engagement and Webinar: Fall 2021

What?


- Strategic alignment to local context
 - 2018 OC Transit Vision
 - 2022 Long Range Transportation Plan
- Engage with stakeholders and communities
- Develop a network plan as well as conceptual mobility hub designs at priority locations
- Deliver a Mobility Hubs Strategy

www.octa.net/OCMobilityHubs

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What are Mobility Hubs?

Mobility hub services will be customized based on the needs of the community it serves



SUSTAINABILITY
Encourage use of sustainable/zero emissions modes


LIVABILITY
Create a sense of community

TRANSIT SUPPORT
Improve first/last mile connections

EQUITY
Improve access for those

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What are Mobility Hubs?



SUSTAINABILITY
Encourage use of sustainable/zero emissions modes

LIVABILITY
Create a sense of community

TRANSIT SUPPORT
Improve first/last mile connections

EQUITY
Improve access for those

Callouts: Charging and bike-sharing for electric vehicles and e-bikes; Use existing sites for parking and package delivery; Supporting open space; Integration with transit, walking, wheelchair and other services.

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What could be the main benefits?

This strategy will explore how Mobility Hubs may:

- Equity:** Support a more equitable transport system
- Transit support:** Enhance the public transit experience, improve first and last/mile connectivity to transit (e.g., via shared mobility)
- Sustainability:** Reduce cars dependency and encourage use of sustainable/zero emissions modes
- Livability:** Ensure safe and secure trips while creating a sense of community

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Main Components

A Mobility Hub is clearly identified with...

- Branding and information
- Co-location of public transit & shared mobility
- Safe and secure parking or/and drop-zones
- A place for everybody (good lighting, visibility, accessibility and safety)

The type and number of components vary depending on...

- Location and land use
- Local mobility services available
- Local needs

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Mobility Hubs – Examples

Mobility Hubs...
... are places of connectivity where different modes of travel seamlessly converge

San Diego, Mobility Hub Berlin, Jetzi Station

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Mobility Hubs – Examples

Mobility Hubs...
... provide a focal point in the transportation network that seamlessly integrates different modes of transportation

Los Angeles, Wilshire Grand new mobility hub San Francisco, Caltrain SF Mobility Hub

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Mobility Hubs – Examples

Mobility Hubs...
... are part of a physical/ digital/ policy framework to connect all modes of mobility to encourage multimodal travel.

Transito Mobi Assisi Minneapolis, Mobility Hubs

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Christina Pirruccello
Orange County Transportation Authority
Community Relations Specialist

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Poll #2: Mobility Hubs Services...

Share your opinion...

- Select the #1 service that you would like offered at Mobility Hubs?
- Select the #2 service that you would like offered at Mobility Hubs?


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Poll #3:
How Important are these services & amenities?

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Share your opinion...

- Storage lockers for luggage or package delivery
- Secure bicycle parking
- Bicycle repair stand/station
- Availability of staff at the transit station
- Bathrooms
- Seating and open space
- Dining options (food trucks/carts, vending machines)
- Security features (cameras, lighting, etc.)
- ATM machines
- USB charging stations




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Poll #4:
Preferred Locations for Mobility Hubs

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Mobility Hubs Study

Share your opinion...

- What is your **#1 preferred location** for where Mobility Hubs should be placed in Orange County.
- What is your **#2 preferred location** for where Mobility Hubs should be placed in Orange County.



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Outreach To-date

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- Electronic Notices
- Social Media Advertisements
- MMS/SMS Texting Campaign
- Newspaper Advertisements
- OCTA Website & Social Media Platforms
- Community Based Organization Efforts
- Community Survey



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Question and Answer Session

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You may submit multiple comments/questions, as needed:

Via web:

- Click Participants > "raise hand"
- Click the "Q&A" function
- Include contact information: Name and organization (if any)
- When announced, unmute your audio, you can then ask your question (s)
- You will be re-muted once you complete your comments (s)

Via the phone (calling in):

- Press "*"9" on your keypad to "raise hand"
- You will be announced by the last four digits of your phone number
- Press "*"6" to unmute your audio
- You will be re-muted once you complete your comments (s)



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Stay Connected

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Mobility Hubs Study

Ways to provide further comments and/or questions:

- www.octa.net/OCMobilityHubs
- Christina Pirruccello
 - Community Relations Specialist
 - cpirruccello@octa.net
- Warren Whiteaker
 - Principal Transportation Analyst
 - wwhiteaker@octa.net

Milestones

- Project Completion: Spring 2022
- Public Engagement and Webinar: Fall 2021

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THANK YOU

ORANGE COUNTY MOBILITY HUBS STUDY



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OCTA Mobility Hubs Community Meeting Thursday, October 7, 2021

Attendance:

The meeting was attended by 57 participants including 15 agencies and community organizations.

Name	Organizations
Agencies	
Jennifer Rosales	City of Costa Mesa
Noel Casil	City of Costa Mesa
Brenda Green	City of Costa Mesa
Jaimee Bourgeois	City of Irvine
Mike Davis	City of Irvine
Jonathan Lightfoot	City of San Clemente
Kevin Nord	Caltrans
Serena Liu	Caltrans
Luisa Easter	Caltrans
Alyssa Murakami	Caltrans
Priscilla Freduah-Agyemang	SCAG
Community Organizations	
Dorian Romero	Santa Ana Street Coalition
Alexander Caro	Community Action Partnership of Orange County
Dave Gallo	Mocean Lab
Ruby Nuñez	Human Options

1. Polling

Four polls were conducted during the meeting to gather feedback on the community’s familiarity with Mobility Hubs, preference of amenities and potential mobility hubs locations throughout Orange County.

Poll #1: Introduction

1. How did you learn about the today’s meeting?

There were **32** responses to this poll:

- **47%** of attendees heard about the meeting through an eblast
- **19%** “other”
- **13%** through social media
- **13%**, word of mouth
- **13%** OCTA’s website

2. Are you familiar with the term “mobility hub” and generally what they may include?

A total of **32** attendees participated in this poll. Of those who participated:

- **66%** said that they have heard about mobility hubs
- **35%** selected No or Not Sure as a response

Poll #2: Mobility Hub Services

1. Select the #1 service that you would like offered at Mobility Hubs?

There were **30** attendees who participated in this poll. Below are the top results of the poll, the remaining 4% voted “other.”

- **43%** identified on-demand shuttle services (OC Flex) as their top choice of service
- **20%** of participants who selected bike/e-bike share as their top choice
- **13%** identified ridesharing (Uber/Lyft)
- **10%** of participants picked e-scooters share
- **10%** identified carsharing (Zipcar, Getaround) as their number one service

2. Select the #2 service that you would like offered at Mobility Hubs?

A total of **30** attendees responded to the second part of the poll. Below are the top 3 choices, the remaining percentages voted in small number for the other choices.

- **30%** identified Rideshare (Uber/Lyft) as their second choice
- **24%** of participants selected Bike/e-bike share as their second choice
- **18%** of participants picked Carsharing (Zipcar, Getaround)

Poll #3: How Important are...

There were 30 attendees that responded to the poll question of how important the amenities are provided at a mobility hub. Below are the top two responses for each of the amenities:

1. Storage lockers for luggage or package delivery
 - a. **34%** Neutral
 - b. **30%** Somewhat Important
2. Secure bicycle parking
 - a. **67%** Very Important
 - b. **27%** Somewhat Important
3. Bicycle repair stand/station
 - a. **37%** Neutral
 - b. **36%** Somewhat Important
4. Availability of staff at the transit station
 - a. **37%** Very Important
 - b. **30%** Somewhat Important

5. Bathrooms
 - a. **67%** Very Important
 - b. **20%** Somewhat Important

6. Seating and open space
 - a. **54%** Somewhat Important
 - b. **27%** Very Important

7. Dining options (food trucks/carts, vending machines)
 - a. **50%** Somewhat Important
 - b. **30%** Neutral

8. Security features (cameras, lighting, etc.)
 - a. **84%** Very Important
 - b. **14%** Somewhat Important

9. ATM machines
 - a. **34%** Somewhat Important
 - b. **30%** Neutral

10. USB charging stations
 - a. **44%** Somewhat Important
 - b. **34%** Very Important

Poll #4: Preferred Locations for Mobility Hubs

There were **31 attendees** that responded to the poll question. Below are the top 4 choices, the remaining percentage voted in small numbers for the other choices.

1. What is your #1 preferred location for where Mobility Hubs should be placed in Orange County?

- **26%** identified Rail stations/stops
- **23%** identified Employment Centers
- **19%** Major visitor destinations, and
- **16%** selected near residential areas

2. What is #2 preferred location for where Mobility Hubs should be placed in Orange County?

Of those responding to this question:

- **23%** selected Rail Stations/Stops at their preferred second choice for mobility hub locations.
- **16%** identified Educational Facilities
- **16%** Major Visitor Destinations
- **13%** identified Employment Centers and Neighborhood Shopping Centers

1. Key Takeaways

- A majority of participants have heard or were familiar with the term “Mobility Hubs”
- Concern expressed for bicycle safety and interest in separated bike lanes
- Desire for mobility hubs that provide accessibility for all
- Recommendation to partner with local community organizations
- Interest in connecting John Wayne airport to transit

3. Next Steps

Following the meeting, a thank you e-blast will be sent to the entire database. The thank you eblast will include information on the team’s presentations as well as a video recording of the meeting.



OC Mobility Hubs Study

Community Meeting – Comment Summary

November 30, 2021

I. Meeting Details

Meeting Details	Zoom Webinar Thursday, October 7, 2021 5:30 – 6:30 PM
Zoom Panelists	<ul style="list-style-type: none"> • 11 Total panelists <ul style="list-style-type: none"> ○ 4 OCTA staff ○ 1 Technical consultant ○ 5 Outreach consultants ○ 1 Interpreter: Spanish
Attendance	<ul style="list-style-type: none"> • 52 Total participants <ul style="list-style-type: none"> ○ 7 Non-panelist project team (OCTA & technical consultant) ○ 45 Public attendees online
Zoom Chat **	<ul style="list-style-type: none"> • 4 statements shared with public, including links to sign-in, website, survey, etc.
Poll	<ul style="list-style-type: none"> • 4 Poll questions asked during the meeting
Stakeholder Contacts	<ul style="list-style-type: none"> • 23 New contact emails
Community Based Organization Attendees	<ul style="list-style-type: none"> • Community Action Partnership of Orange County: Alexander Caro • Human Options: Ruby Nuñez • Mocean Lab: Dave Gallo • Santa Ana Street Coalition: Dorian Romero
Agency Attendees	<ul style="list-style-type: none"> • Caltrans: Alyssa Murakami, Kevin Nord, Luisa Easter and Serena Liu • City of Costa Mesa: Brenda Green, Jennifer Rosales and Noel Casil • City of Irvine: Jaimee Bourgeois and Mike Davis • City of San Clemente: Jonathan Lightfoot • SCAG: Priscilla Freduah-Agyemang



II. Meeting Format & Presentation

A. Meeting Format

The OC Mobility Hubs project held one community meeting during the course of the study. The meeting was held on Thursday, October 7, 2021 from 5:30-6:30 p.m. and was presented as a virtual engagement using the Zoom webinar platform.

B. Presentation

Christina Pirruccello, OCTA's Community Relations Specialist on the study, led the webinar by welcoming attendees, reviewing the meeting format and introducing panelists for the meeting.

Alia Verloes from the Steer Group served as the primary presenter for the evening, guiding participants through the purpose and need, providing an understanding of mobility hubs. She also highlighted benefits that mobility hubs can bring and shared examples of current mobility hubs within the state, country and throughout the world.

During the presentation, Christina also facilitated a number of poll questions. Participants were encouraged to answer questions on their method of meeting awareness, familiarity with mobility hubs, preference for services and amenities they would like to see at future mobility hubs, as well as preference for future mobility hub locations in Orange County.

Following the polling session, Christina provided participants with an overview of the public outreach efforts to-date, including range and scope of public notices and where to find more information. She also shared plans for future community events throughout the County.

III. Discussion

Participants were given a number of opportunities to interact with the team and provide input through live polling and a Question and Answer (Q&A) session. Specifically, the team sought feedback on the level of community awareness and mobility hub's applicability to and application for OC residents, businesses, visitors and other key stakeholders, as well as insight that would guide next steps of the study and future development.

A. Meeting Poll

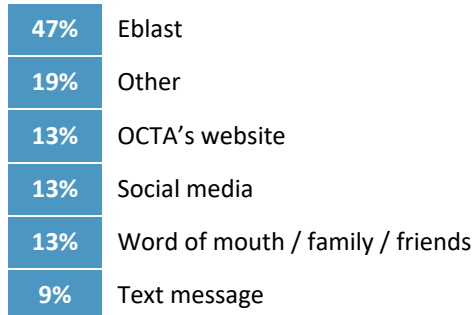
During the presentation, Zoom polling was used to introduce four (4) questions to the participating public. The first question initiated engagement, warming attendees for the poll questions that followed. Subsequent poll questions initiated the interactive Q&A session specific to mobility hubs. Below is a summary of attendee responses for each question.



i. Poll #1: Introduction

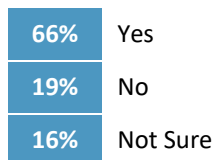
a. How did you learn about today's meeting?

Based upon 32 respondents, poll found the following ways participants learned about the community meeting:



b. Are you familiar with the term "mobility hub" and generally what they may include?

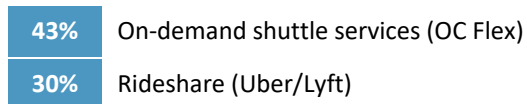
Based upon 32 respondents, poll found the following participant familiarity with the term:



ii. Poll #2: Mobility Hub Services

Select the top two services that you would like offered at mobility hubs.

Based upon 30 participants, poll found the following service preferences:

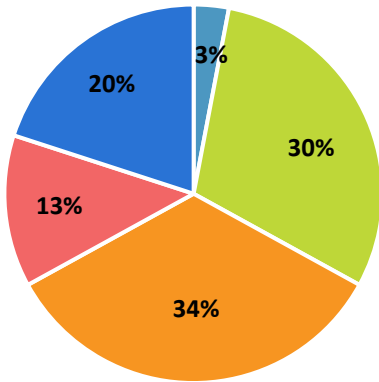


iii. Poll #3: Importance of Services and Amenities

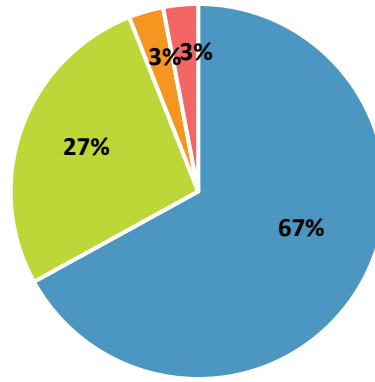
How Important are these services and amenities?

Very Important Somewhat Important Neutral Not Very Important Not Important

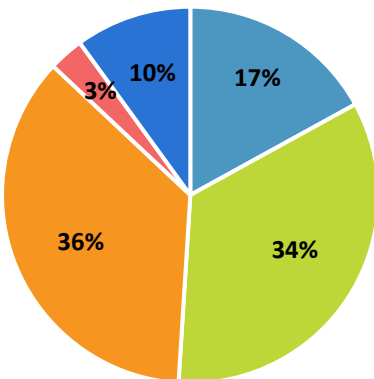
Storage lockers for luggage or package delivery



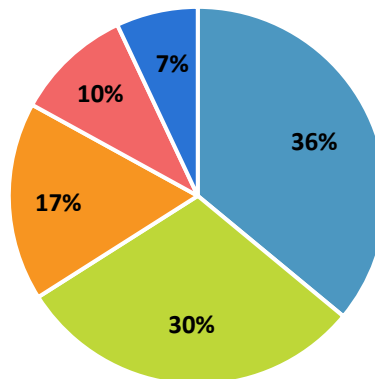
Secure bicycle parking



Bicycle repair stand/station

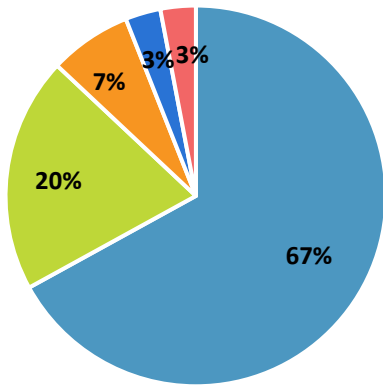


Availability of staff at the transit station

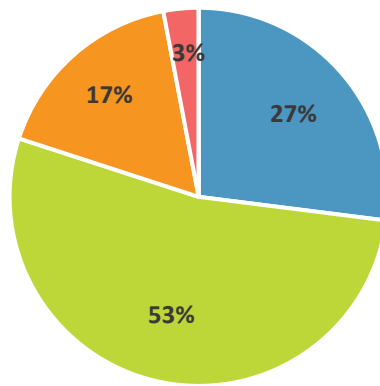


■ Very Important
 ■ Somewhat Important
 ■ Neutral
 ■ Not Very Important
 ■ Not Important

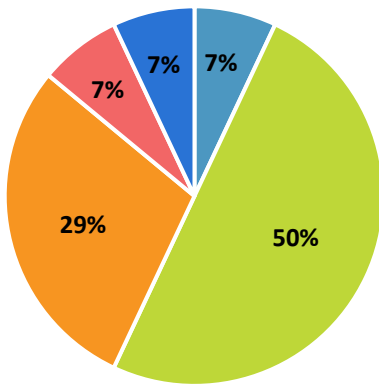
Bathrooms



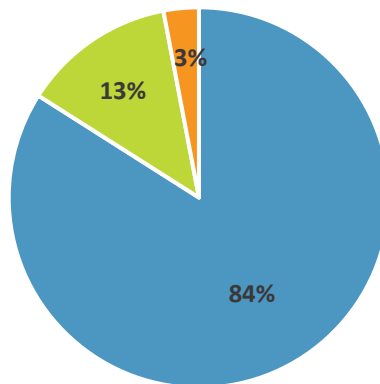
Seating and open space



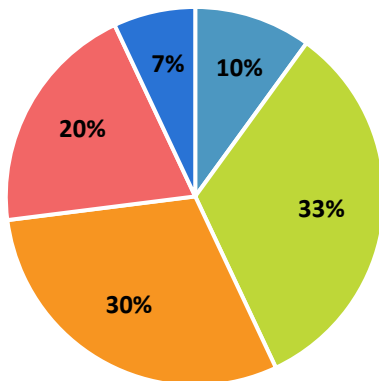
Dining options (food trucks/carts, vending machines)



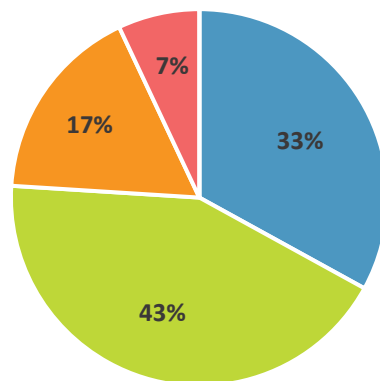
Security features (cameras, lighting, etc.)



ATM machines



USB charging stations



iv. Poll #4: Location of Mobility Hubs

What are your top two preferred locations for where mobility hubs should be placed in Orange County?

Based upon 31 respondents, poll found rail stations/stops a preferred location, with major visitor destinations and educational facilities in a two-way tie for second preference.

26%	At rail stations/stops
16%	At major visitor destinations (amusement parks, shopping malls, beaches, etc.)
16%	Educational Facilities (universities, colleges, etc.)

B. Comment and Q&A Session

Christina and Warren Whiteaker, OCTA Project Manager, led a Q&A session following the presentation and polling session, responding to questions and comments from the public.

Both, verbal and written comments were addressed by the panelists. Participants were encouraged to use the “raise hand” feature in Zoom to provide verbal comments. The meeting also supported call-in users, although there were no call-in attendees. Written comments were also received via the Q&A function. A summary of poll engagement and comments can be found below. A working record of submitted written comments was used to enable team tracking and response ([Mobility Hubs Meeting 10-07-21 - Live Comment Tracker.xlsx](#)).

i. Key Points

- Participants were interested in opportunities for and future locations of mobility hubs at exiting stations, the OC airport, and near hospitals and community clinics.
- Strong interest in greater regional connectivity and increased mobility choices through alternative modes of transportation, such as the application of tunnel technology to ease congestion on freeways (with connections to Ontario and Corona), introduction of aerial tramways, and use of the Santa Ana riverbed.
- Curiosity expressed for the planning and timeline to develop mobility hubs throughout the County, as well as project funding streams and ongoing maintenance of future hubs.
- Interest expressed in developing accessible mobility hub services and amenities for people with disabilities, including improvements to bus and bus stops as well as technological innovation to traffic lights, etc.
- Concern expressed for insufficient, safe bicycle path/trail network and bicycle safety measures, such as barrier protected and dedicated bike lanes, to reduce accidental death and collisions; PCH Newport Coast Drive and Superior Avenue named as high incident corridors of interest.
- Interest voiced in the mix of amenities that hubs would offer, with preference in electric vehicle charging stations, other green technology and alternative modes.
- Curiosity about the type of businesses that might be included at OC mobility hubs.



- Interest in community engagement and the collaboration process with preference for additional outreach to community organizations, local jurisdictions and businesses to increase public participation and survey response.

ii. Q&A Oral Comments

1. Daennis Bress (3)

- Preference for using the Boring Company technology to build a tunnel in order to ease congestion.
 - Tunneling vehicles between Orange County and the counties of LA and San Bernardino could greatly improve congestion on existing freeways, including the 91 and 405 freeways
- Preference for maximizing utility of the Santa Ana Riverbed to connect mobility hubs and alternative modes of transit (e.g. bikes, e-bikes, scooters, etc.) in the cities of Yorba Linda, Fullerton, Santa Ana and Anaheim.
- Preference for expanding the use of e-bikes and scooters at mobility hubs
 - E-bikes have been very successful in Newport Beach because they are safer and can go a bit faster to avoid traffic.

2. Ivan Cortez (1)

- How can mobility hubs and transit stations be more accessible, especially those who are blind?
 - Works with people with disabilities and has seen first hand the difficulties associated with boarding a bus when blind and navigating the interior of a bus when it's full.
 - Could it be possible for OCTA to install traffic lights for blind individuals?

iii. Q&A Written Comments

1. Cecily Burke (2)

- What plans are there to create barriers between bike lanes and traffic in areas that have had numerous bicycle-related deaths?
 - PCH, Newport Coast Drive, and Superior Avenue in Costa Mesa as examples. Everyone seems aware there's a problem, but I never hear about any useful solutions.
- Can we create a mobility hub that includes Orange County Airport?
 - Currently, there's almost no public transit to/from the only major county airport. Other cities have buses and light rail to access airports.
 - There's also almost no transit to/from Tustin Metrolink, and too little/infrequent to both Santa Ana and Irvine Amtrak stations.



2. Daennis Bress (2)

- Can you put in the chat the link to the previous OCTA tunnel study / Riverside? Or email me later dennis@ieei.com. It must have been a while ago and time to revisit this, as the Boring Company technology has changed the metric.
 - Vegas project completed and expanding and this project in Ontario.... The San Bernardino County Transportation Authority has accepted a proposal by The Boring Company to build an underground transit connection between the existing Rancho Cucamonga Metrolink station and Ontario International Airport (ONT).

3. Dave Gallon (2)

- When considering the questions in these survey questions (and generally for this presentation), what time frame should we be thinking about for the development and deployment of these hubs?
 - It would be helpful to know when thinking about other technologies that might come online within or shortly after that timeframe.
- Would that technology include the flexibility to include the infrastructure needs of autonomous vehicles and vertiports to handle Urban Air Mobility vehicles and their EV charging needs?

4. Ivan Cortez (1)

- At medical facilities such as hospitals, clinics, Dr. office, etc.

5. John Devney (2)

- Who has the responsibility for the on-going maintenance of the infrastructure at a Mobility Hub?
 - Is it shared between OCTA and the Local Government? Is there an opportunity for private businesses, such as bicycle repair and sales stores, to be part of the hub or next to it?
 - A cluster of bike stores next to a public square in a city center with a transit center may be a potential location to consider.
- Do you have examples of consistent branding for a Mobility Hub when multi-modal transport services are provided by different agencies and operators?
 - Have you considered using other terms than "Mobility Hub" that the general public would understand in plain language?
 - Mobility Hub is technical jargon for transportation planners that many people may not understand. What other names have been used elsewhere?

6. Justin Wong (1)

- What kind of restaurants will there be at mobility hubs?



7. Kathy Stewart (1)

- We need more miles of safe, dedicated “bike and the like” trails for bikes, e-bikes, scooters, pedestrians etc.
 - These need to be separated by concrete barriers so bicyclists don’t get killed.
 - We already have many bike paths along many roads, but they are not safe.

8. Mike Davis (1)

- Do you anticipate funding or grant opportunities for Cities for Mobility Hub elements in the future?

9. Reem Hashem (3)

- Tunnel technology is being used all over the world, like the English Channel, and Canada/US underwater tunnels.
 - And LA Metro is using that technology for subway systems (despite earthquake dangers). So, I feel it is time for OC to employ such mass scale improvement to traffic conditions and bottlenecks.
- Another aspect that is being implemented in other states recently, is the use of Aerial Trams. Will there be any funding or encouragement for this type of transportation?
- I think tunnels should be used to connect OC and Riverside County, mainly to Corona. Is there a timeline for this tunnel?

10. Ruby Nuñez (1)

- As the program evolves, would it be a possibility to collaborate with family resource centers throughout the county to get clients connected not just to services offered out of family resource centers, but also with agencies we partner with?

11. Susan Ambrose (2)

- Have you contacted City Governments and asked them to ask their Public Works Depts. and Planning and Transportation Commissions or Committees take this survey?
 - A good overview of City (Local) needs, and perceptions are as you review responses from South Orange County to North, East and West Orange County. This input would be valuable to determining what kind of Mobility Hub might be most useful to City and Communities.
- Same question to City Chambers of Commerce Boards and Members – this would bring you input directly from business leaders, owners, employees, all who are also customers at their colleague’s stores and services at times. Valuable input I would think.



Chat Inserts

English	Spanish
OPENING	
Thank you for joining the OCTA Mobility Hubs community meeting today.	Gracias por participar en la reunión comunitaria de Centros de Movilidad de OCTA esta noche.
	Tenemos interpretación en español disponible, si prefiere escuchar la presentación en español, busque el botón "Interpretation" en Zoom y seleccione "Spanish".
We ask for your support to allow ideas and comments to be shared in an open and fair environment.	Pedimos su apoyo para una reunión respetuosa que permita que las ideas y los comentarios se compartan en un ambiente abierto y justo.
<p>If you have a question or comment, please type them using the Q&A function located on the bottom portion of your Zoom screen</p> <p>You can also use the 'Raise Hand' button and you can provide your verbal comment. Questions and comments will be responded to after the presentation during the Q&A session.</p> <p>Questions will be answered in the order received.</p>	<p>Si tiene alguna pregunta o comentario, escríbalo en la función de preguntas y respuestas o puede usar el botón "Raise Hand" y responderemos las preguntas y los comentarios después de la presentación durante la sesión de preguntas y respuestas.</p> <p>Las preguntas serán respondidas en el orden en que se reciban.</p>
Q&A	
<p>If you wish to provide a verbal comment/question use the 'Raise Hand' button or you can type them into the Q&A function.</p> <p>Questions will be answered in the order received.</p>	<p>Si tiene alguna pregunta o comentario, escríbalo en la función de preguntas y respuestas o puede usar el botón "Raise Hand".</p> <p>Las preguntas serán respondidas en el orden en que se reciban.</p>
CLOSING	
To view our project fact sheet (link to a PDF)	Para ver nuestra hoja informativa del proyecto (enlace a PDF)
Did you take the survey? Visit LRTP-Survey.com to take an online survey and share how you would improve transportation in the OC by 10/31 to enter the gift card opportunity drawing.	¿Hiciste la encuesta? Visite LRTP-Survey.com para realizar una encuesta en línea y compartir cómo mejoraría el transporte en el OC antes del 31 de octubre para participar en el sorteo de oportunidades de tarjetas de regalo.
To learn more about this project, visit OCTA.net/OCMobilityHubs	Para obtener más información sobre el proyecto, visite OCTA.net/OCMobilityHubs
For additional questions or to provide your comments via email, please contact the project team Christina Pirruccello cpirruccello@octa.net	Para preguntas adicionales o para enviar sus comentarios por correo electrónico, comuníquese con el equipo del proyecto: Christina Pirruccello cpirruccello@octa.net



Frequently Asked Questions (FOR INTERNAL USE)

Question	Answer
General	
What is a “Mobility Hub” and how do they work?	<i>Mobility Hubs are identifiable places where different travel modes and services meet to encourage multimodal journeys. They allow people to easily switch between different means of travels (bus, rail) and transportation services (rideshare, shared bike/scooter, etc.).</i>
Where will mobility hubs be located (cities and sites)?	<i>That is a key topic of this study. In general, Mobility Hubs will be located where different travel modes come together like rail stations and transportation centers but could also include key destinations.</i>
How many mobility hubs is OCTA planning to develop?	<i>This is to be determined. The focus of the current effort is the strategy for a countywide network of Mobility Hubs, not the specific implementation of any Mobility Hubs themselves. Any subsequent development of Mobility Hubs will require partnership with other parties and that will likely influence the number of hubs over time.</i>
How will you prevent monopolization of car charging stations from residents that live close by?	<i>The needs and challenges that each Mobility Hub addresses will likely vary across the county and even within individual cities. In some locations, it is likely that EV charging may be a high priority. It is important that the strategy reflect the needs of all potential users of the Mobility Hubs not just a subset. Likewise, Mobility Hubs cannot be the only way to charge EVs if we are meet statewide goals for transitioning to a zero-emission fleet in the next few decades.</i>
How will you prevent local neighborhood abuse of the provided mobility hub parking?	<i>At this point in the study, it too early to say if and how much parking might be provided by Mobility Hubs. Typically, one the most effective ways to address parking demand is through charging for it.</i>
If locker amenities are added, how will you prevent monopolization by the homeless?	<i>Like managing demand for parking, one of the most effective ways to manage demand is to charge for its use. Other potential considerations might be that the lockers are restricted to delivery receipt (e.g., Amazon deliveries) or to limit locket amenities to Mobility Hubs that have some staffing presence. Again, it is really too early to say any specifics but key approaches can be included in the strategy that this study will develop.</i>
Safety	

Commented [CP1]: For questions 2-5, I would think it's probably too early to know yet since we are still in the study phase, however, if the technical team has some insights, please add.

How will safety at Mobility Hubs be addressed?	<i>A key consideration in developing the Mobility Hub Strategy is that Mobility Hubs are places for everyone, which means that there is good lighting, visibility, accessibility, and safety just like we would expect for a rail station or transportation center.</i>
Funding	
How will mobility hub projects be funded?	<i>This is to be determined. It will likely differ from location to location, on which amenities are included, and which parties are partnering on the implementation of that specific location.</i>
Do you have the money to build any mobility hubs at this time?	<i>We do not have line item in any current budget that is labelled, "mobility hub construction".</i>
Will funding preclude the incorporation of art elements to show connection to the local community?	<i>There is no reason to assume that art elements will be precluded.</i>
Payment	
What fare payment options will be available?	<i>It is too early to know specifically but should all services that are available at that location and that are typically connected to. Mobility Hubs are also compatible with approaches like Mobility as a Service (MaaS) which aims to integrate trip planning, payment, and routing into a single umbrella or app.</i>
Will fare discounts be offered for combined modes, such as bus and bike sharing?	<i>It is too early to know these types of specifics since it is likely that different locations might have different modes and services but that could be a useful approach to encourage alternatives to driving.</i>
Will local residents be provided a ride incentive at local mobility hubs?	<i>It is too early to know these types of specifics. However, it is conceivable to have such a program and might be something that local agencies pursue as it could be used a way to encourage alternatives to driving.</i>
Outreach	
How can the public and stakeholders stay involved?	<i>The best way to stay up to date is by signing up for our email and text alert database on octa.net/OCMobilityHubs "Stay connected" tab.</i>
When is your next community meeting?	<i>This is a one-year study and this is the only public meeting planned during the study phase. However, if you have any questions or feedback that comes to mind after the meeting, please feel free to email me, my info will be on the next slide.</i>
Where can I find the results of this study?	<i>The results of the study will be available on the project website once the study is complete. We will also notify our database via email.</i>
Construction	
When do you expect to begin constructing the mobility hubs?	<i>This study is about defining the strategy for a network of Mobility Hubs and will not include any construction plans.</i>

Will construction of mobility hubs add to congestion in and around station sites, and if so, how will you mitigate the added congestion?

If Mobility Hubs are added to station sites, empirical evidence indicate that they would reduce congestion by providing safe and convenient ways to travel without a car.

OCTA Mobility Hubs – Public Meeting Zoom Polls

Poll #1: Introduction

1. How did you learn about the today's meeting?

- a) E-blast
- b) Social media
- c) Word of mouth/family/friends
- d) Text message
- e) Newspaper
- f) OCTA Website
- g) Other (type answer in the Q&A)

2. Are you familiar with the term "mobility hub" and generally what they may include?

- a) Yes
- b) No
- c) Not sure

Poll #2: Mobility Hub Services

1. Select the #1 service that you would like offered at Mobility Hubs?

- a) On-demand shuttle services (OC Flex)
- b) Delivery/parcel lockers
- c) Rideshare (Uber/Lyft)
- d) Bike/e-bike share
- e) E-scooter share
- f) Carsharing (Zipcar, Getaround)
- g) Other (type answer in the Q&A)

2. Select the number two service that you would like offered at Mobility Hubs?

- a) On-demand shuttle services (OC Flex)
- b) Delivery/parcel lockers
- c) Rideshare (Uber/Lyft)
- d) Bike/e-bike share
- e) E-scooter share
- f) Carsharing (Zipcar, Getaround)
- g) Other (type answer in the Q&A)

Poll #3: How important are...

1. Storage lockers for luggage or package delivery

1 – Not important

- 2 – Not very important
- 3 – Neutral
- 4 – Somewhat important
- 5 – Very important

2. Secure bicycle parking

- 1 – Not important
- 2 – Not very important
- 3 – Neutral
- 4 – Somewhat important
- 5 – Very important

3. Bicycle repair stand/station

- 1 – Not important
- 2 – Not very important
- 3 – Neutral
- 4 – Somewhat important
- 5 – Very important

4. Availability of staff at the transit station

- 1 – Not important
- 2 – Not very important
- 3 – Neutral
- 4 – Somewhat important
- 5 – Very important

5. Bathrooms

- 1 – Not important
- 2 – Not very important
- 3 – Neutral
- 4 – Somewhat important
- 5 – Very important

6. Seating and open space

- 1 – Not important
- 2 – Not very important
- 3 – Neutral
- 4 – Somewhat important
- 5 – Very important

7. Dining options (food trucks/carts, vending machines)

- 1 – Not important
- 2 – Not very important
- 3 – Neutral
- 4 – Somewhat important
- 5 – Very important

8. Security features (cameras, lighting, etc.)

- 1 – Not important
- 2 – Not very important
- 3 – Neutral
- 4 – Somewhat important
- 5 – Very important

9. ATM machines

- 1 – Not important
- 2 – Not very important
- 3 – Neutral
- 4 – Somewhat important
- 5 – Very important

10. USB charging stations

- 1 – Not important
- 2 – Not very important
- 3 – Neutral
- 4 – Somewhat important
- 5 – Very important

Poll #4: Preferred Locations for Mobility Hubs

1. What is your #1 preferred location for where Mobility Hubs should be placed in Orange County?

- a) At employment centers
- b) Near residential areas
- c) Educational Facilities (universities, colleges, etc.)
- d) At bus stations/stops
- e) At neighborhood shopping centers
- f) At rail stations/stops
- g) At major visitor destinations (amusement parks, shopping malls, beaches, etc.)
- h) Other (type answer in the Q&A)

2. What is your second preferred location for where Mobility Hubs should be placed in Orange County?

- a) At employment centers
- b) Near residential areas
- c) Educational Facilities (universities, colleges, etc.)
- d) At bus stations/stops
- e) At neighborhood shopping centers
- f) At rail stations/stops
- g) At major visitor destinations (amusement parks, shopping malls, beaches, etc.)
- h) Other (type answer in the Q&A)

Mobility Hubs Community Webinar (10/19/21)

Blue Sky Webinar Screenshots

Monica Pader... Warren Whiteaker (OCTA... Alia Verloes (Steer) Christina Pirruccello (... Maria Yanez-F... Leslie Scott (Leslie Sc...

Recording... Live Transcription (Closed Captioning) has been enabled Who can see this transcript? X

Question and Answer Session

ORANGE COUNTY
Mobility Hubs Study

You may submit multiple comments/questions, as needed:

Via web:

- Click Participants > "raise hand"
- Click the "Q&A" function
- Include contact information:
 - Name and organization (if any)
 - When announced, unmute your audio, you can then ask your question (s)
 - You will be re-muted once you complete your comments (s)

Via the phone (calling in):

- Press "*9" on your keypad to "raise hand"
- You will be announced by the last four digits of your phone number
- Press "*6" to unmute your audio
- You will be re-muted once you complete your comments (s)

Ivan Cortez raised hand

Unmute Start Video Participants 46 Chat Share Screen Polls Pause/Stop Recording Raise Hand Q&A Live Transcript Interpretation Leave

Stay Connected

ORANGE COUNTY
Mobility Hubs Study

Ways to provide further comments and/or questions:

- www.octa.net/OCMobilityHubs
- Christina Pirruccello
 - Community Relations Specialist
 - cpirruccello@octa.net
- Warren Whiteaker
 - Principal Transportation Analyst
 - wwhiteaker@octa.net

Milestones

- Project Completion: Spring 2022
- Public Engagement and Webinar: Fall 2021

Appendix C: Comment Log



OCTA 2021 Mobility Hubs Comment Log

	A	B	C	E	F	G	H	I	J
1	Stakeholder	Stakeholder Type	Date Received	Source	Category	Issue / Comment	Lead	Follow up Action	Notes
2	Justin	Interested Party	10/05/21	Website Contact Form	Safety	I think there should be more security at Mobility Hubs.		N/A	
3	Dave Gallon	Interested Party	10/07/21	Public Webinar		When considering the questions in these survey questions (and generally for this presentation), what time frame should we be thinking about for the development and deployment of these hubs? It would be helpful to know when thinking about other technologies that might come online within or shortly after that timeframe.			Mobility Hubs Community Meeting 10-07-21
4	Helia Daigean	Key Stakeholder	10/07/21	Public Webinar		Are there captioning options available for the deaf or hard of hearing?			Mobility Hubs Community Meeting 10-07-21
5	Dennis Bress	Interested Party	10/07/21	Public Webinar		Thank you for all your hard work. This is so very important. :-)			Mobility Hubs Community Meeting 10-07-21
6	Ivan Cortez	Key Stakeholder	10/07/21	Public Webinar		at medical facilities such as hospitals, clinics , dr office etc			Mobility Hubs Community Meeting 10-07-21
7	Justin Wong	Interested Party	10/07/21	Public Webinar		Where kind of restaurants will there be at mobility hubs			Mobility Hubs Community Meeting 10-07-21
8	Dave Gallon	Interested Party	10/07/21	Public Webinar		Warren, would that technology include the flexibility to include the infrastructure needs of autonomous vehicles and vertiports to handle Urban Air Mobility vehicles and their EV charging needs?			Mobility Hubs Community Meeting 10-07-21
9	Brandon Kunicki	Interested Party	10/06/21	Facebook Ad	Safety	I can't think of a better way to be exposed to Covid than to use public transportation.		N/A	FB Ad #2 10-06-21
10	Pedro Gal Alvarez	Interested Party	10/04/21	Facebook Ad		Dios.nos.cuida			FB Ad #1 09-29-21 SPN
11	Pedro Gal Alvarez	Interested Party	10/04/21	Facebook Ad		Hola.buces.cadamedia.horaceria.mejor.condado.de.orange			FB Ad #1 09-29-21 SPN
12	Kurt Freitag	Interested Party	10/05/21	Facebook Ad		Now THAT'S funny! Touche!			FB Ad #1 09-29-21 VT
13	Jonathan Lightfoot	Interested Party	10/08/21	Comment Form (online)		Request to speak to a representative	OCTA	<p>C. Pirruccello Good afternoon, Mr. Lightfoot—</p> <p>My name is Christina Pirruccello, I am the lead on outreach for the OC Mobility Hubs Study at OCTA. I just wanted to thank you for signing up for our database and reach out to follow up since you had selected the "have a representative from the study speak to my organization" box.</p> <p>Let me know if this is something you were interested in or if there is more information on the study that I can provide to you.</p> <p>Please feel free to give me a call or let me know how I can further assist you.</p> <p>Best,</p>	

OCTA 2021 Mobility Hubs Comment Log

	A	B	C	E	F	G	H	I	J
14	Jonathan Lightfoot	Interested Party	10/14/21	Comment Form (online)		<p>[In Response to C. Pirruccello] Hi Christina,</p> <p>We have an informal staff “parking action team” with a couple Planners and Engineers. This could be an interesting topic for us. Our North Beach area is already somewhat of a hub (Metrolink, bus, trolley, pedestrian trail), and I’d be interested in ongoing partnership or funding opportunities especially related to that area. If there are opportunities, I’d love to invite you to a share that info in one of our future team zoom meetings.</p> <p>-Jonathan</p>	OCTA	<p>C. Pirruccello</p> <p>Thanks for the additional information. Please let me know when your group meets next, we should have no problem accommodating a presentation.</p>	

Appendix D: Website



Overview

Resources

Stay Connected



OCTA held a virtual public information meeting about the project on Thursday, Oct. 7, 2021, a link to the recording can be found [here](#).

Overview

The Orange County Transportation Authority (OCTA) is studying mobility hubs as a potential strategy for bringing together various mobility services, amenities, and technologies all in one place to connect travelers more conveniently to their destinations. Mobility hubs improve connectivity and convenience by allowing people to easily switch between transportation services including bus, bike and e-scooters, ridesharing, and rail. They can also offer supporting amenities, such as electric charging stations, secured bike storage, or seating. These hubs are generally located at activity centers near employment, housing, shopping, recreation and other essential destinations and integrated into neighborhoods.

The Orange County Mobility Hub Study will explore how mobility hubs might benefit Orange County residents and visitors, how they could be planned and designed, and identify a potential network of locations. This strategy serves as an opportunity to improve connectivity and increase sustainable transportation options throughout the county while addressing traffic congestion and pollution caused by vehicle emissions.

Background

In 2018, OCTA finalized the OC Transit Vision (Transit Master Plan), a 20-year plan for the future of Orange County's public transit system. The Transit Master Plan identified the need for easier connections to transit routes, improvements to walking and biking access, as well as park-and-rides. The Mobility Hubs Study will help address these needs.

Through this study, OCTA will identify communities that could benefit most from mobility hubs and will develop a strategy for locating and designing mobility hubs across Orange County. Conceptual mobility hub designs will be developed for priority locations and potential implementation during a later phase.

Schedule

MILESTONES	APPROXIMATE TIMELINE
Mobility Hubs Assessment	Fall 2021
Public Engagement and Webinar	Fall 2021
Network Plan	Winter 2021 - 2022
Final Mobility Hubs Strategy	Spring 2022

Appendix E: Fact Sheet



OCTA MOBILITY HUBS STUDY



ORANGE COUNTY Mobility Hubs Study

Customizing Mobility for Local Communities

AT A GLANCE

PROJECT MANAGER:	Warren Whiteaker Project Manager (714) 560-5748 wwhiteaker@octa.net
COMMUNITY OUTREACH:	Christina Pirruccello Community Relations Specialist (714) 560-5766 cpirruccello@octa.net
WEBSITE:	octa.net/OCmobilityhubs

Fact Sheet as of 9/20/21

OVERVIEW

The Orange County Transportation Authority (OCTA) is studying mobility hubs as a potential strategy for bringing together various mobility services, amenities, and technologies all in one place to connect travelers more conveniently to their destinations.

Mobility hubs improve connectivity and convenience by allowing people to easily switch between transportation services including bus, bike and e-scooters, ridesharing, and rail. They can also offer supporting amenities, such as electric charging stations, secured bike storage, or seating. These hubs are generally located at activity centers near employment, housing, shopping, recreation and other essential destinations and integrated into neighborhoods.

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BACKGROUND

In 2018, OCTA finalized the OC Transit Vision (Transit Master Plan), a 20-year plan for the future of Orange County's public transit system. The Transit Master Plan identified the need for easier connections to transit routes, improvements to walking and biking access, as well as park-and-rides. The Mobility Hubs Study will help address these needs.

Through this study, OCTA will identify communities that could benefit most from mobility hubs and will develop a strategy for locating and designing mobility hubs across Orange County. Conceptual mobility hub designs will be developed for priority locations and potential implementation during a later phase.

SCHEDULE

MILESTONES	APPROXIMATE TIMELINE
Mobility Hubs Assessment	Fall 2021
Public Engagement and Webinar	Fall 2021
Network Plan	Winter 2021 – 2022
Final Mobility Hubs Strategy	Spring 2022

STAY IN TOUCH

Stay informed with up-to-date study information by signing-up at octa.net/OCmobilityhubs.



Orange County Transportation Authority
550 S. Main Street
P.O. Box 14184
Orange, CA 92863-1584
(714) 560-OCTA
www.octa.net

SUSTAINABILITY

Encourage use of sustainable/
zero emissions modes

Charging and docking
stations for electric
vehicles and
micromobility devices

Bike sharing,
bike parking and
package delivery



TRANSIT SUPPORT

Improve first/last mile
connections

Mobility Hubs

Mobility hub services will be customized based on the needs of the community it serves

LIVABILITY

Create a sense of community

Appealing
open space

Integration with
transit, carshare,
rideshare and
other services

EQUITY

Improve access for those
with limited choices



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ESTUDIO SOBRE LOS CENTROS DE MOVILIDAD DEL CONDADO



Estudio sobre los Centros de Movilidad del CONDADO DE ORANGE

Adaptación de los medios de movilidad a las necesidades
de las comunidades locales

DATOS IMPORTANTES

GERENTE DEL PROYECTO: Warren Whiteaker
Gerente del Proyecto
(714) 560-5748
wwhiteaker@octa.net

ALCANCE COMUNITARIO: Christina Pirruccello
Especialista principal en relaciones con la comunidad
(714) 560-5766
cpirruccello@octa.net

SITIO WEB: octa.net/OCmobilityhubs

Hoja informativa a partir de 9/20/21

RESUMEN

La Autoridad de Transporte del Condado de Orange (OCTA, por sus siglas en inglés) está estudiando los centros de movilidad como una estrategia potencial para reunir varios servicios, instalaciones y tecnologías de movilidad en un solo lugar para conectar a los viajeros de manera más conveniente a sus destinos.

Los centros de movilidad mejoran la conectividad y la comodidad al permitir que las personas transborden fácilmente entre los servicios de transporte, incluidos el autobús, bicicleta y patinetes eléctricos, viajes compartidos y tren. También pueden ofrecer servicios de apoyo, como estaciones de carga eléctrica, almacenamiento seguro para bicicletas o asientos. Estos centros generalmente están ubicados en los lugares donde se concentran las actividades cerca del empleo, la vivienda, compras, recreación y otros destinos esenciales y están integrados en los vecindarios.

El Estudio del Centro de Movilidad del Condado de Orange analizará cómo los centros de movilidad podrían beneficiar a los residentes y visitantes del Condado de Orange, cómo podrían planificarse y diseñarse; e identificará una red potencial de ubicaciones. Esta estrategia sirve como una oportunidad para mejorar la conectividad y aumentar las opciones de transporte sostenible en todo el condado mientras se aborda la congestión del tráfico y la contaminación causada por las emisiones contaminantes de los vehículos.

ANTECEDENTES

En 2018, OCTA finalizó la Visión de Transporte Público del Condado de Orange (Plan Maestro del Transporte Público), un plan de 20 años para el futuro del sistema de transporte público del Condado de Orange. El Plan Maestro de Transporte Público identificó la necesidad de conexiones más fáciles a las rutas de transporte público, mejoras en el acceso para caminar y andar en bicicleta, así como parques y atracciones. El estudio sobre los Centros de Movilidad ayudará a abordar estas necesidades.

A través de este estudio, OCTA identificará las comunidades que podrían beneficiarse más de los centros de movilidad y desarrollará una estrategia para ubicar y diseñar centros de movilidad en todo el Condado de Orange. Se desarrollarán diseños conceptuales de centros de movilidad para ubicaciones prioritarias y una posible implementación durante una fase posterior.

CALENDARIO

PUNTOS DE REFERENCIA	CRONOGRAMA APROXIMADO
Evaluación de los Centros de Movilidad	Otoño de 2021
Participación del público y seminario web	Otoño de 2021
Plan para establecer los puntos de la red	Invierno de 2021-2022
Estrategia final de los Centros de Movilidad	Primavera de 2022

MANTÉNGASE EN CONTACTO

Manténgase informado con datos actualizados del estudio registrándose en octa.net/OCmobilityhubs.



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SOSTENIBILIDAD

Fomentar el uso de modalidades de transporte sostenibles/de emisiones cero

Estaciones de carga y acoplamiento para vehículos eléctricos y dispositivos de micro-movilidad

Uso compartido de bicicletas, estacionamiento de bicicletas y entrega de paquetes

HABITABILIDAD

Crear un sentido de comunidad

Espacio abierto atractivo

APOYO AL TRANSPORTE PÚBLICO

Mejorar las conexiones de la primera/última milla

Integración entre el transporte público, el uso compartido de los automóviles, os viajes compartidos y otros servicios

EQUIDAD

Mejorar el acceso para aquellos con opciones limitadas

Centros de Movilidad

Los servicios de los centros de movilidad se adaptarán en función de las necesidades de la comunidad a la que sirven



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NGHIÊN CỨU VỀ CÁC TRUNG TÂM VẬN CHUYỂN Ở QUẬN CAM



Nghiên Cứu về Các Trung Tâm Vận Chuyển Ở QUẬN CAM

Tùy Chính Khả Năng Vận Chuyển cho Cộng Đồng Địa Phương

TÓM LƯỢC

QUẢN LÝ DỰ ÁN: Warren Whiteaker
Quản Lý Dự Án
(714) 560-5748
wwhiteaker@octa.net

TIẾP CẬN CỘNG ĐỒNG: Christina Pirruccello
Chuyên Gia Chính về Quan Hệ Cộng Đồng
(714) 560-5766
cpirruccello@octa.net

TRANG WEB: octa.net/OCmobilityhubs

Bảng Thông Tin tính đến 9/20/21

TỔNG QUAN

Cơ Quan Giao Thông Vận Tải Quận Cam (tiếng Anh là OCTA) đang nghiên cứu các trung tâm vận chuyển như một chiến lược tiềm năng để tập hợp các dịch vụ vận chuyển, tiện nghi và công nghệ khác nhau, tất cả tại một nơi để kết nối hành khách một cách thuận tiện hơn tới điểm đến của họ.

Các trung tâm vận chuyển cải thiện sự kết nối và sự tiện lợi bằng cách cho phép mọi người dễ dàng chuyển đổi giữa các dịch vụ vận chuyển bao gồm xe buýt, xe đạp và xe hầy điện tử, đi chung xe và đường sắt. Họ cũng có thể cung cấp các tiện nghi hỗ trợ, chẳng hạn như trạm sạc điện, chỗ để xe đạp an toàn hoặc chỗ ngồi. Các trung tâm này thường được đặt tại các trung tâm hoạt động gần nơi làm việc, nhà ở, khu mua sắm, giải trí và các điểm đến thiết yếu khác và được hợp nhất với các khu vực lân cận.

Nghiên cứu về Trung Tâm Vận Chuyển của Quận Cam sẽ khám phá cách các trung tâm vận chuyển có thể mang lại lợi ích cho cư dân và hành khách của Quận Cam, cách các trung tâm có thể được lập kế hoạch, thiết kế, và xác định một mạng lưới các địa điểm tiềm năng. Chiến lược này là cơ hội để cải thiện sự kết nối và gia tăng các lựa chọn giao thông bền vững trong toàn quận đồng thời giải quyết tình trạng tắc nghẽn giao thông và ô nhiễm do khí thải xe cộ gây ra.

NỀN TẢNG

Vào năm 2018, OCTA đã hoàn tất kế hoạch Tầm Nhìn Giao Thông Công Cộng OC (Kế Hoạch Tổng Thể Giao Thông Công Cộng), kế hoạch 20 năm cho tương lai của hệ thống giao thông công cộng Quận Cam. Kế Hoạch Tổng Thể Giao Thông Công Cộng đã xác định nhu cầu kết nối dễ dàng hơn cho các tuyến giao thông công cộng, cải thiện việc tiếp cận cho việc đi bộ và đi xe đạp, cũng như bãi đậu xe kết nối với trung tâm giao thông công cộng. Nghiên Cứu về các Trung Tâm Vận Chuyển sẽ giúp giải quyết những nhu cầu này.

Thông qua nghiên cứu này, OCTA sẽ xác định các cộng đồng có thể được hưởng lợi nhiều nhất từ các trung tâm vận chuyển và sẽ phát triển một chiến lược để xác định vị trí và thiết kế các trung tâm vận chuyển trên toàn Quận Cam. Các thiết kế trung tâm vận chuyển theo ý tưởng sẽ được phát triển cho các địa điểm ưu tiên và triển khai tiềm năng trong giai đoạn sau.

LỊCH TRÌNH

CỘT MỐC	DÒNG THỜI GIAN ƯỚC TÍNH
Đánh Giá Trung Tâm Vận Chuyển	Mùa Thu 2021
Tương Tác Với Công Chúng và Hội Thảo Trực Tuyến	Mùa Thu 2021
Kế Hoạch Mạng Lưới	Mùa Đông 2021 – 2022
Chiến Lược Trung Tâm Vận Chuyển Cuối Cùng	Mùa Xuân 2022

HÃY GIỮ LIÊN LẠC

Cập nhật thông tin nghiên cứu cập nhật bằng cách đăng ký tại octa.net/OCmobilityhubs.



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SỰ BỀN VỮNG

Khuyến khích sử dụng phương thức bền vững/không phát thải

Trạm sạc và để cắm cho xe điện và các thiết bị điều khiển vi động

Chia sẻ xe đạp, nơi đậu xe đạp và giao hàng

KHẢ NĂNG SINH HOẠT

Tạo cảm giác cộng đồng

Không gian mở hấp dẫn

HỖ TRỢ GIAO THÔNG CÔNG CỘNG

Cải thiện kết nối dặm đầu tiên/dặm cuối cùng

Hợp nhất với các dịch vụ giao thông công cộng, đi chung xe, đi cùng tuyến và các dịch vụ khác

CÔNG BẰNG

Cải thiện việc tiếp cận cho những người có lựa chọn hạn chế

Trung Tâm Vận Chuyển

Các dịch vụ của trung tâm vận chuyển sẽ được tùy chỉnh dựa trên nhu cầu của cộng đồng mà trung tâm phục vụ



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Appendix F: Notification Plan





OCTA Mobility Hubs
 Community Webinar Notification Plan
Meeting: Thursday, October 7, 2021

ID	Media Type / Count	Post Date / Timing	Run Time / Cost Purpose / Target	Copy	Graphic
Eblasts to Database Contacts (5)					
1	L RTP Opt-in #1	Thu 9/9 2 week's prior	1 time <ul style="list-style-type: none"> L RTP contact form included option to sign-up for MH project updates AA distribution to prior OCTA project's interested parties 	See left	Prior Projects Opt-in Eblast
2	L RTP Contact Update #1	Thu 9/9 2 week's prior	1 time <ul style="list-style-type: none"> L RTP contact form included option to sign-up for MH project updates To prior/initial L RTP contacts Request to update contact info in order to build MMS/SMS phone list Additional contact info is bonus information 	See left	Contact Update Eblast
3	L RTP Opt-in #2	Tue 9/14 1 week prior	1 time <ul style="list-style-type: none"> L RTP contact form included option to sign-up for MH project updates AA distribution to OCTA's SOCMTA project's interested parties 	See left	SOCMTS Opt-in Eblast



OCTA Mobility Hubs Community Webinar Notification Plan

Meeting: Thursday, October 7, 2021



4	Invitation	Thu 9/23 2 weeks out	1 time • Meeting invitation	TBD	Final Invitation Eblast Content
5	Reminder #1	Thu 9/30 1 week out	1 time • Meeting reminder	TBD	TBD
6	Reminder #2	Wed 10/6 Day before	1 time • Meeting reminder	TBD	TBD
7	Thank You #1	Fri 10/15 Following meeting	1 time • Meeting Thank You	TBD	TBD
Text Messages (MMS 3; SMS 3)					
8	MMS/SMS Text #1	Tue 9/28 1 weeks out	1 time; EN, SP & VT • Meeting Save the Date • MMS (w/ image) Character Limit: 1000 (w/ spaces) • Characters in Text copy: • EN 194	<p>SMS Text Copy: OCTA needs your help to improve future mobility in Orange County. Add the meeting to your calendar (MobilityHubs-Meeting.com). Learn more about the Mobility Hubs study at octa.net/OCmobilityhubs</p> <p>STOP to end.</p> <p>MMS Image Copy: Save the date to join us for a community webinar on Thursday, October 7 at 5:30pm</p> <p>SP translation VT translation</p> <p>www.octa.net/OCmobilityhubs</p>	<p>Save the date to join us for a community webinar on Thursday, October 7 at 5:30 p.m.</p> <p>Reserve la fecha para acompañarnos en un seminario web de la comunidad lueves, 7 de octubre a las 5:30 p.m.</p> <p>Đánh dấu ngày để tham gia cuộc họp trực tuyến cộng đồng với chúng tôi vào Thứ Năm, ngày 7 tháng 10 lúc 5:30 chiều</p> <p>www.octa.net/OCmobilityhubs</p> <p>OCTA necesita su ayuda para mejorar la movilidad futura en Orange County. Añada la reunión a su calendario (MobilityHubs-Meeting.com). Obtenga más información sobre el estudio de los centros de movilidad (Mobility Hubs) en: octa.net/OCmobilityhubs</p> <p>OCTA cần sự giúp đỡ của quý vị để cải thiện khả năng di chuyển trong tương lai ở Quận Cam. Hãy đánh dấu ngày diễn ra cuộc họp vào lịch của quý vị (MobilityHubs-Meeting.com). Tìm hiểu thêm về nghiên cứu Trung Tâm Di Chuyển tại octa.net/OCmobilityhubs</p>



OCTA Mobility Hubs

Community Webinar Notification Plan

Meeting: Thursday, October 7, 2021

9	MMS/SMS Text #2	Sat 10/2 1 week out	<p>1 time; EN, SP & VT</p> <ul style="list-style-type: none"> Meeting reminder MMS (w/ image) Character Limit: 1000 (w/ spaces) Characters in Text copy: EN 77 	<p>SMSText Copy: Learn more and participate in Mobility Hubs Study at octa.net/OCmobilityhubs.</p> <p>SP translation VT translation</p> <p>STOP to end.</p> <p>MMS Image Copy: Save the date to join us for a community webinar on Thursday, October 7 at 5:30pm</p> <p>SP translation VT translation</p> <p>www.octa.net/OCmobilityhubs</p>	<p>Obtenga más información y participe en el estudio sobre los Centros de Movilidad (Mobility Hubs).</p> <hr/> <p>Tìm hiểu thêm và tham gia vào Nghiên Cứu của Trung Tâm Di Chuyển.</p>
10	MMS/SMS Text #3	Thu 10/7 Day of meeting	<p>1 time; EN, SP & VT</p> <ul style="list-style-type: none"> Last chance to take the survey MMS (w/ image) Character Limit: 1000 (w/ spaces) Characters in Text copy: EN 40 	<p>SMS Text Copy: Join the Mobility Hubs webinar at 5:30pm</p> <p>STOP to end.</p> <p>MMS Image Copy:</p> <p>SP translation VT translation</p> <p>www.octa.net/OCmobilityhubs</p>	 <p>Participe en el seminario web sobre los centros de movilidad (Mobility Hubs) a las 5:30 pm.</p> <p>Tham gia cuộc họp trực tuyến của Trung Tâm Di Chuyển lúc 5:30 chiều.</p> <p>www.octa.net/OCmobilityhubs</p> 

Print & Online Ads (Combined with LRTP)



Ethnic Newspapers (2; 1 SP & 1 VT; Combined with LRTP)



OCTA Mobility Hubs

Community Webinar Notification Plan

Meeting: Thursday, October 7, 2021





Facebook Ads (3; 1 EN 1 SP & 1 VT)					
11	Facebook Ad #1	Tue 9/28 – Wed 10/6 1 week out to day before RE-RUN Wed 10/6	9 days; EN; \$600 <ul style="list-style-type: none"> 18 years and older Interest in transit Interest in biking or walking County-wide 	<p>Primary text: OCTA’s Mobility Hubs Study is exploring ways to conveniently connect travelers to their destinations by bringing together different transportation services and amenities all in one place. Help us plan mobility hubs in the region by joining us for a community webinar at 5:30 p.m. Thursday, Oct. 7, at MobilityHubs-Meeting.com. Learn more at octa.net/OCmobilityhubs</p> <p>Display Link: MobilityHubs-Meeting.com</p> <p>Headline: Give feedback on future mobility in OC!</p> <p>Description: How could mobility hubs improve your transportation needs?</p>	 <p>Call to Action: Join us for a community webinar!</p>
12	Facebook Ad #2	Tue 9/28 – Wed 10/6 1 week out to day before	9 days; SP; \$150 <ul style="list-style-type: none"> 18 years and older Interest in transit Interest in biking or walking SP Language Cities (see PPP) 	 SP Translation	TBD SP Translation
13	Facebook Ad #3	Thu 9/30 – Wed 10/6 1 week out to day before	7 days; VT; \$100 <ul style="list-style-type: none"> 18 years and older Interest in transit Interest in biking or walking VT Language Cities (see PPP) 	TBD VT Translation	TBD VT Translation
Social Media Posting					
Facebook Posts (5; 2 @goOCTA & 3 @ocbus)					



OCTA Mobility Hubs

Community Webinar Notification Plan

Meeting: Thursday, October 7, 2021



14	<p>@ocbus Facebook Post #1</p> <p>CANCELLED</p>	<p>Wed 9/22 2 weeks out</p>	<p>1 time</p>	<p>#DYK – Did you know you can help plan the future of mobility in OC? SAVE THE DATE and join our webinar at 5:30 p.m. on 10/7 at MobilityHubs-Meeting.com. Give your feedback on OCTA’s Mobility Hubs Study, which is exploring ways to conveniently connect travelers to their destinations by bringing together different transportation services and amenities all in one place. Learn more at octa.net/OCmobilityhubs</p>	 <p>Call to Action: Join us for a community webinar!</p>
15	<p>@ocbus Facebook Post #2</p>	<p>Thu 9/30 1 week out</p>	<p>1 time</p>	<p>We’re planning to connect travelers more conveniently to their destinations. Join us at 5:30 p.m. on 10/7 (MobilityHubs-Meeting.com) for a discussion about the future. Learn more at octa.net/OCmobilityhubs</p>	 <p>Call to Action: Join us for a community webinar!</p>
16	<p>@ocbus Facebook Post #3</p>	<p>Wed 10/7 Day before</p>	<p>1 time</p>	<p>Join us tonight at 5:30 pm to learn how you can help plan the future of mobility in Orange County. Join by clicking MobilityHubs-Meeting.com. Give your feedback on OCTA’s Mobility Hubs Study, which is exploring ways to conveniently connect travelers to their destinations by bringing together different transportation services and amenities all in one place. octa.net/OCMobilityHubs</p>	 <p>Call to Action: Join us for a community webinar!</p>
17	<p>@goOCTA Facebook Post #1</p>	<p>Fri 9/24 2 weeks out</p>	<p>1 time</p>	<p>Buses, Bikes and E-scooters oh my! Join us for a community webinar at 5:30 p.m. on 10/7 (MobilityHubs-Meeting.com) to learn about OCTA’s Mobility Hubs Study, which is exploring ways to conveniently connect travelers to their destinations by bringing together different transportation services and amenities all in one place. Sign-up for updates at octa.net/OCmobilityhubs.</p>	 <p>Call to Action: Join us for a community webinar!</p>



OCTA Mobility Hubs

Community Webinar Notification Plan

Meeting: Thursday, October 7, 2021

18	@goOCTA Facebook Post #2	Tue 10/5 1 week out; 2 days before	1 time	Help us improve connectivity and convenience for OC residents & visitors and learn more about the potential for future mobility hubs in the region. Join us THURSDAY at 5:30 p.m. Click MobilityHubs-Meeting.com .	 <p>Call to Action: Join us for a community webinar!</p>
Instagram Story (2)					
19	@goOCTA Instagram Post #1	Fri 9/24 2 weeks before	1 time	Which mode of travel do you use daily? [bus emoji] [car emoji] [train emoji] [scooter emoji] [bike emoji]? Join us at 5:30 p.m. on 10/7 for a webinar (MobilityHubs-Meeting.com) to learn about our Mobility Hubs Study, which is exploring ways to conveniently connect travelers to their destinations by bringing together different transportation services and amenities all in one place. Visit octa.net/OCmobilityhubs for more.	<p>Carousel/swipe</p> 



OCTA Mobility Hubs
 Community Webinar Notification Plan
Meeting: Thursday, October 7, 2021



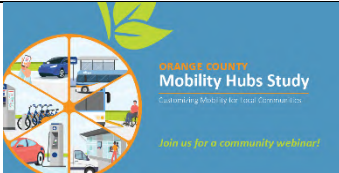
					<p>Call to Action: Join us for a community webinar!</p>
20	<p>@goOCTA Instagram Post #2</p> <p>CANCELLED</p>	<p>Mon 10/4 3 days before meeting</p>	<p>1 time</p>	<p>We're hosting a community webinar THURSDAY! Join us at 5:30 p.m.: MobilityHubs-Meeting.com. Go to octa.net/OCmobilityhubs to learn about the future of improved travel connectivity and convenience in the region.</p>	<p>Carousel/swipe</p>



OCTA Mobility Hubs

Community Webinar Notification Plan

Meeting: Thursday, October 7, 2021



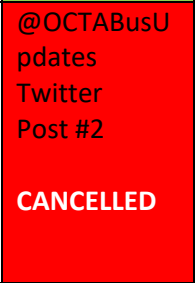

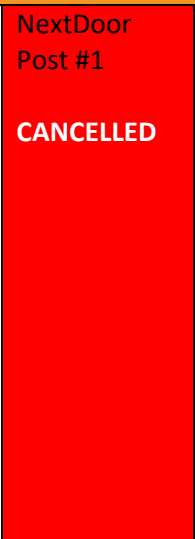

					 <p>Call to Action: Join us for a community webinar!</p>
Twitter Posts (4; 2 @GoOCTA & 2 @OCTABusUpdates)					
21	@GoOCTA Twitter Post #1	Fri 9/24 2 weeks before	1 time	<p>Help plan the future of mobility in OC! Join our webinar on 10/7 at 5:30 p.m. Add MobilityHubs-Meeting.com to your calendar. What is a mobility hub? Learn more here: octa.net/OCmobilityhubs</p>	 <p>Call to Action: Join us for a community webinar!</p>
22	@GoOCTA Twitter Post #2	Tue 10/5 1 week before	1 time	<p>We're working to bring our region together and connect travelers more conveniently to their destination. JOIN US for a webinar on 10/7 @ 5:30 p.m. (MobilityHubs-Meeting.com). More info at octa.net/OCmobilityhubs</p>	 <p>Join us for a community webinar!</p>



OCTA Mobility Hubs

Community Webinar Notification Plan

Meeting: Thursday, October 7, 2021

23		Thu 9/30 1 week before	1 time	<p>We're exploring the benefits of mobility hubs to improve connectivity and convenience for residents & visitors (octa.net/OCmobilityhubs). SAVE THE DATE on 10/7 @ 5:30 p.m. Join at MobilityHubs-Meeting.com</p>	 <p>Call to Action: Join us for a community webinar!</p>
24		Thu 10/7 Day of meeting	1 time	<p>Join us TONIGHT to learn about mobility hubs (octa.net/OCmobilityhubs) and to explore the benefits of improved connectivity in our region. See you there! MobilityHubs-Meeting.com</p>	 <p>Call to Action: Join us for a community webinar!</p>
NextDoor Post (1)					
25		Wed 9/29 1 week before	1 time; EN, SP VT <ul style="list-style-type: none"> To Orange County 	<p>Title: SAVE THE DATE: Help OCTA plan the future of mobility hubs in Orange County!</p> <p>Mobility hubs improve connectivity and convenience by allowing people to switch between transportation services including bus, bike and e-scooters, ridesharing and rail.</p> <p>Join OCTA as we explore mobility hubs as a potential strategy for bringing together mobility services and amenities in one place to connect residents and visitors in our region.</p> <p>We are hosting a community webinar on Thursday, October 7 at 5:30 pm. Visit octa.net/OCmobilityhubs to learn more.</p>	 <p>Call to Action: Join us for a community webinar!</p>



OCTA Mobility Hubs

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				We look forward to your input as we explore and customize the future of mobility in the OC!	
Toolkit (1)					
26	Toolkit #1	Tue 9/28 2 weeks before	1 time; EN, SP & VT	<ul style="list-style-type: none"> OCTA to distribute to stakeholder committees 	EN Tool Kit no VT SP Tool Kit EN Tool Kit VT Tool Kit
Events (5; Combined with LRTP)					
OCTA Additional Media/Noticing					
27	OCTA Project Website	Wed 9/22 2 weeks before	Ongoing	<ul style="list-style-type: none"> AA/OCTA to coordinate updates with links to meeting OCTA to forward website metrics, specifically main page and survey link 	TBD
28	OCTA Press Release #1	Wed 10/5 Week of meeting	1 time	TBD	TBD
29	OCTA Rider Opt-in Eblast #1	Thu 9/16 1 week prior	1 time <ul style="list-style-type: none"> To Rideshare contacts Distributed 3,818 	<ul style="list-style-type: none"> Copy based upon ID#2 (above) OCTA to provide copy	
30	OCTA Rider Opt-in Eblast #2	Thu 9/16 1 week prior	1 time <ul style="list-style-type: none"> To Transit Rider contacts Distributed 24,198 	<ul style="list-style-type: none"> Copy based upon ID#2 (above) OCTA to provide copy	
31	OCTA Rider Opt-in Eblast #3	Thu 9/16 1 week prior	1 time <ul style="list-style-type: none"> To Metrolink contacts Distributed 39,282 	<ul style="list-style-type: none"> Copy based upon ID#2 (above) OCTA to provide copy	
32	OCTA Rider	Wed 9/29	1 time	OCTA to provide copy	



OCTA Mobility Hubs

Community Webinar Notification Plan

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	Eblast #1	1 week prior	<ul style="list-style-type: none"> To Rideshare contacts Distributed 2,532		
33	OCTA Rider Eblast #2	Wed 9/29 1 week prior	1 time <ul style="list-style-type: none"> To Transit Rider contacts Distributed 22,889	OCTA to provide copy	
34	OCTA Rider Eblast #3	Wed 9/29 1 week prior	1 time <ul style="list-style-type: none"> To Metrolink contacts Distributed 30,868	OCTA to provide copy	
35	OCTA On the Move Blog Post #1	Fri 9/24 2 weeks prior	1 time	<ul style="list-style-type: none"> OCTA to forward post metrics, if available 	N/A

Appendix G: Print Advertisements



SANTA ANA

Roxana Kopetman
SCNG / Excelsior

El control de alquileres y las protecciones contra desalojos en Santa Ana recibieron luz verde del Concejo Municipal el pasado miércoles, una decisión que podría convertir a la ciudad en la primera en el condado de Orange en limitar los alquileres de edificios de apartamentos más antiguos.

El consejo votó 4-3 para aprobar las ordenanzas y otras medidas que, tras la aprobación final:

- Limitará los alquileres al 3% anual o al 80% de la inflación, lo que sea menor, para los edificios construidos en 1995 o antes y para los parques de casas móviles establecidos en 1990 o antes

- Limitará cuándo los propietarios pueden expulsar a los inquilinos mediante la promulgación de “desalojos por causa justa”, que cubre a los inquilinos que han vivido en la casa durante al menos 30 días. La ley hará que el propietario proporcione el aviso de desalojo en el idioma que el propietario y el inquilino utilizaron para negociar el contrato de arrendamiento.

- Apartará \$300,000 del dinero de ayuda para la pandemia para crear un “fondo de defensa contra el desalojo” y contratar a un consultor que actuará como puente hasta que la ciudad cree una nueva junta de control de alquileres y un registro de alquileres para apartamentos.

- Indicará al personal de la ciudad que estudie más a fondo cómo se llevarán a cabo estas protecciones

“Comunidad de inquilinos”

“La simple verdad es que tenemos una comunidad muy sensible aquí, una comunidad de inquilinos”, dijo el alcalde Vicente Sarmiento. “Más del 50% de nuestros residentes son inquilinos... Muchas de esas familias viven en condiciones de hacinamiento. Las

Aprueban control de alquileres y protección para inquilinos

La ciudad será la primera en el condado de Orange en limitar los alquileres de apartamentos más antiguos



El control de alquileres y las protecciones contra desalojos en Santa Ana recibieron luz verde del Concejo Municipal el pasado miércoles.

JEFF COLLINS,
ORANGE COUNTY
REGISTER/SCNG

“Las luchas de los inquilinos de Santa Ana son demasiado grandes para seguir ignoradas. Los bajos salarios y los altos alquileres son las abrazaderas que exprimen a la clase trabajadora de sus ingresos”.

— Jessie Lopez, concejal

vez llamaste hogar, tener que traducir un aviso del sheriff para desocupar a tus padres”, dijo al consejero Cecilia Rivas, residente de Santa Ana.

Kayleigh Levitt, voluntaria del grupo de defensa Tenants United Santa Ana, dijo que la propuesta de la ciudad ayudará a los inquilinos, ya que la moratoria de desalojo del estado está programada para expirar el 30 de septiembre. (En años recientes, Tenants United lanzó esfuerzos infructuosos para hacer llegar el control de los alquileres a una boleta de la ciudad).

El residente Manny Escamilla, un urbanista que posee una propiedad de alquiler, calificó las medidas como “una propuesta realmente razonable”.

Los opositores

Otros propietarios y administradores de apartamentos consideraron que

tarifas de alquiler tienen mucho que ver con eso”.

Santa Ana sería la primera ciudad en el condado de Orange en promulgar su propio control de alquileres y leyes de desalojo por causa justa, según la Asociación de Apartamentos de California. San Juan Capistrano ha tenido control de alquiler para parques de casas móviles en la ciudad durante unos 40 años, según Vickie Talley, directora ejecutiva de Manufactured Housing Educational Trust, una asociación dedicada a promover la industria de casas móviles.

En Santa Ana, los concejales consideraron aprobar los artículos como medidas de urgencia, lo que los habría hecho efectivos de inmediato, pero esa idea careció de apoyo. En cambio, es probable que las medidas se ultimen en una reunión del consejo el 5 de octubre.

La votación se produjo alrededor de las 2 a.m., después de que el consejo hubiera escuchado durante horas el testimonio público, a menudo emotivo, de más de 100 personas.

Por un lado estaban decenas de inquilinos y defensores que decían que la vivienda es un dere-

cho humano. Dijeron que quieren vivir con dignidad y pagar un alquiler justo, sin la amenaza de desalojo. Los inquilinos hablaron de dificultades, incluida la pérdida de vidas durante la pandemia, mientras se enfrentaban a la falta de viviendas asequibles. Los jóvenes recordaron haber sido desalojados cuando eran niños y describieron el impacto emocional que esos desalojos tuvieron en sus familias.

“Es devastador tener que decirles a tus hermanos menores que ya no tienen un lugar al que alguna

la propuesta era cualquier cosa menos razonable.

Una gran cantidad de propietarios o sus gerentes, dijeron que las propuestas perjudicarían a los propietarios, la economía de la ciudad, e incluso a los inquilinos que eventualmente tendrían que asumir costos adicionales si los propietarios se ven obligados a apelar por aumentos de alquiler. En repetidas ocasiones, dijeron que la propuesta de Santa Ana es innecesaria porque la ley estatal ya protege a los inquilinos.

El año pasado, el estado implementó la ley AB-1482, la cual limita los aumentos anuales de alquiler al 5% más la inflación para las casas de al menos 15 años. La ley también requiere que los propietarios tengan una “causa justa” para desalojar a los inquilinos.

Un administrador de un parque de casas móviles calificó la propuesta de Santa Ana como “una política pública socialista”. Otros dijeron que no podrán desalojar a los inquilinos criminales, incluso a aquellos que creen que representan una amenaza potencial para otros inquilinos.

Victor Cao, portavoz de la Asociación de Apartamentos de California, dijo: “La ley estatal proporciona protecciones sólidas para los inquilinos y creemos que las propuestas que tienen ante ustedes hoy son excesivas y extremas”.

En apoyo al control de alquileres y otras protecciones a los inquilinos, estuvieron el alcalde Sarmiento y los concejales Thai Viet Phan, Jessie Lopez y Johnathan Hernandez.

“Las luchas de los inquilinos de Santa Ana son demasiado grandes para seguir ignoradas”, dijo López. “Los bajos salarios y los altos alquileres son las abrazaderas que exprimen a la clase trabajadora de sus ingresos”.

El redactor Jeff Collins contribuyó a este informe.

CAL STATE FULLERTON

Busca inspirar a otros a lograr sus doctorados

Nicole Gregory
Especial para SCNG

Inmerso en las primeras semanas de un programa de doctorado en ciencias biomédicas en la Universidad de Michigan, lejos de su familia en Anaheim, Stephen González acredita la ayuda y orientación que recibió en Cal State Fullerton para llegar a este punto crítico de su vida académica.

“Mi mayor apoyo en el camino fue el Programa de Becas McNair”, dijo, refiriéndose al programa nacional diseñado para ayudar a los estudiantes universitarios de primera generación a prepararse para los estudios de doctorado. Lleva el nombre del astronauta afroamericano, Ronald E. McNair, que murió en la explosión del Challenger de 1989.

Ayuda constante

A través del Programa de Becas McNair, González recibió ayuda constante durante el largo proceso de postulación a las escuelas de posgrado.

“Tenían una línea de tiempo en cada paso del camino”, dijo. “Algunos pasos necesarios incluso para considerar escuelas de posgrado toman algunos años de anticipación. Las cartas de recomendación son una gran forma para que los programas de posgrado determinen si eres un candidato digno para ser aceptado”.

Recibió ayuda para identificar los programas adecuados para sus intereses y objetivos. “Nos ayudaron a analizar los programas de posgrado y nos guiaron para tomar la decisión correcta al presentar la solicitud”. Sin esta ayuda, dijo, “no habría podido obtener siete doctorados, programas”.

Sí, González fue aceptado en siete escuelas de posgrado. Pero, cuando comenzó el proceso de soli-



FOTO CORTESIA CSUF

Stephen Gonzalez es un graduado universitario de primera generación y alumno de CSUF que está cursando un doctorado en ciencias biomédicas en la Universidad de Michigan.

cidad, sus logros académicos ya eran impresionantes. Formó parte de la Experiencia de Investigación de Verano del Instituto Médico Howard Hughes y del Programa Preparatorio de Carreras de Investigación. Presentó investigaciones en la Conferencia Nacional de Investigación Emergente y ganó un premio por un póster destacado. Y para el programa McNair, desarrolló y presentó una tesis titulada “Comprensión del papel de la ATPasa Doman en el virus del bacteriófago Lambda”.

González le pidió a Marcos Ortega, profesor asistente de bioquímica, que fuera su mentor en 2017. Ortega se vio en el alumno.

Conexión cultural

“Hablamos sobre la conexión cultural”, dijo el profesor, que ahora enseña en Texas Tech. “Le dije cómo crecí. El término es “desatendido”, pero eso realmente significa una vida llena de delincuencia y pobreza. Así es como abrimos nuestra conversación, siendo yo honesto sobre dónde vengo. Hablamos de nuestras luchas comunes”.

Tener un mentor que entendiera su trasfondo cultural fue esencial para que González pudiera seguir atravesando desafíos y reveses.

“Stephen es muy brillante”, dijo Ortega. “Le gusta la ciencia, pero el aspecto académico no surgió de forma natural al principio. Tuvo que volver a tomar algunas clases y tuvo que aprender de sus errores”.

‘No rendirme nunca’

González creció en la pobreza, pero sus padres eran muy trabajadores. “Lo más importante que aprendí de mis padres fue no rendirme nunca”, dijo González. “El hecho de que estés luchando ahora no significa que la vida siempre será difícil. Aunque trabajé desde que tenía siete años y quería tener una vida “normal” cuando era niño, aprendí que los mejores recuerdos que tenía eran los de estar con mi familia. Otra cosa que aprendí de mis padres fue a ser un gran trabajador, a hacer (las cosas) siempre lo mejor que puedas sin importar si no salen como quieres”.

González asistió a Santiago Canyon College y se transfirió a CSUF en 2015. Tenía mucho que hacer. “Stephen trabajaba en turnos de noche, limpiando oficinas para mantener a su familia”, dijo Ortega. Además, González tenía un trabajo en el campus como asistente del Departamento de Química y Bioquímica.



DIRECCIONES 2045

PLAN DE TRANSPORTE A LARGO PLAZO

Soluciones de transporte sostenibles, equitativas e innovadoras.

A la Autoridad de Transporte de Orange County (OCTA) le gustaría conocer su opinión en este momento en el que está planificando las futuras mejoras al sistema de transporte del condado. Comparta su opinión a través de nuestra encuesta en línea y el próximo seminario web público.

¡Responda a nuestra encuesta en línea hoy mismo!

www.LRTP-Survey.com



Reserve la fecha para acompañarnos en un seminario web de la comunidad.

Martes, 19 de octubre de 2021 a las 5:30 p.m.

Enlace de Zoom: www.LRTP-Meeting.com

Número de llamada: 213-338-8477

ID de reunión: 847 5366 4364

Por teléfono en español: 1-646-749-3335

Código: 373-074-269

www.octa.net/LRTP



ORANGE COUNTY Mobility Hubs Study

Customizing Mobility for Local Communities

El Estudio de los Centros de Movilidad (Mobility Hubs, en inglés) de OCTA examina las formas de conectar convenientemente a los viajeros con sus destinos al reunir diferentes instalaciones y servicios de transporte en un solo lugar. Reserve la fecha para acompañarnos en un seminario web de la comunidad.

Jueves, 7 de octubre de 2021 a las 5:30 p.m.

Enlace de Zoom: www.MobilityHubs-Meeting.com

Numero de llamada: 213-338-8477

ID de reunión: 834 3194 7204

Por teléfono en español: 1-646-749-3335

Código: 373-074-269

octa.net/OCMobilityHubs



Tiếp **THỜI SỰ** trang A3

trưởng Bộ Công an Lê Quốc Hùng cho biết theo thống kê, hiện có khoảng 3,5 triệu công dân của cả nước đang đi làm việc, lao động, sinh sống ở TP HCM, Bình Dương, Đồng Nai và Long An (riêng TP HCM có khoảng 2,1 triệu người). Người dân có nguyện vọng về quê, nhất là các tỉnh phía Nam, các tỉnh Tây Nguyên. Nếu không kiểm soát việc người dân đi lại sẽ có nguy cơ lây lan dịch bệnh rất phức tạp, nguy hiểm. Việc di chuyển tự phát của người dân có nguy cơ làm lây lan dịch bệnh rất cao. Bộ Công an cũng thông nhất phương án tổ chức đưa đón công dân có kế hoạch. Riêng 4 tỉnh, thành phố nói trên cần vận động người dân ở lại, tạo điều kiện tiêm vắc-xin, tiếp cận gói an sinh, tạo việc làm, giảm tiền nhà trọ, khuyến khích doanh nghiệp đón lao động trở lại TP HCM làm việc...

Hải Phòng mở lại nhiều hoạt động: TP Hải Phòng cho phép mở lại các khu, điểm du lịch, danh lam thắng cảnh trên địa bàn nhưng chỉ đón khách nội tỉnh, từ 0h ngày 1/10. Theo văn bản điều chỉnh một số hoạt động phòng, chống dịch ban hành ngày 29/9, TP Hải Phòng yêu cầu khách và người hướng dẫn tham quan phải đảm bảo một trong các điều kiện như: Xét nghiệm âm tính trong 72 giờ; đã tiêm đủ 2 mũi vaccine; F0 khỏi bệnh... Cơ sở lưu trú được tổ chức ăn uống tại chỗ, nhưng chỉ phục vụ khách đang lưu trú. Các cơ sở tôn giáo, tín ngưỡng, thờ tự được hoạt động, tuy nhiên, phải bảo đảm không tập trung quá 20 người cùng một thời điểm hoặc không vượt quá 50% công suất.

Từ 30/9, công dân vào Đà Nẵng chỉ cần đăng ký trực tuyến và âm tính. Đà Nẵng vừa ban hành Hướng dẫn công dân vào thành phố, thời gian thực hiện từ 8 giờ ngày mai (30/9) cho đến khi có thông báo mới. Theo đó, các đối tượng được phép vào thành phố Đà Nẵng khi đảm bảo các điều kiện sau: Công dân đến, về từ các khu vực, tổ, xóm, thôn, ấp... không có ca mắc Covid-19 trong vòng 14 ngày, khu vực không phải là cách ly, phong tỏa, xã phường không đang áp dụng Chi thị 15, Chi thị 16 của Thủ tướng Chính phủ, khu vực không phải nguy cơ cao, nguy cơ rất cao theo quy định của Ban chỉ đạo quốc gia phòng chống dịch Covid-19.

Khoảng 740.000 liều vắc xin Sputnik V đầu tiên do Nga cung cấp về đến VN. Sau khi về đến sân bay Nội Bài (Hà Nội), chiều 29-9, lô vắc xin Sputnik V với khoảng 740.000 liều đã được Công ty TNHH một thành viên Vắc xin và Sinh phẩm số 1 (Vabiotech) tiếp nhận.

1 triệu liều vắc xin Hayat-Vax (của TQ) đầu tiên sản xuất tại UAE đã về đến Hà Nội. Sáng 29-9, tại sân bay quốc tế Nội Bài (Hà Nội) đã diễn ra lễ bàn giao 1 triệu liều vắc xin Hayat-Vax đầu tiên sản xuất tại UAE giữa G42 Medications Trading LLC (G42) và Công ty cổ phần Y được phẩm Vimedimex.

Bổ sung kinh phí mua 20 triệu liều vắc xin Vero Cell (của TQ). Phó thủ tướng Lê Minh Khái vừa ký quyết định 1639/QĐ-TTg ngày 29-9-2021 về bổ sung kinh phí mua và tiếp nhận 20 triệu liều vắc xin ngừa COVID-19 Vero Cell của Tập đoàn Sinopharm, Trung

Quốc. Hà Nội: Xin cho xe buýt hoạt động trở lại từ 1/10. Ngày 29/9, Hiệp hội Vận tải hành khách công cộng Hà Nội có văn bản kiến nghị UBND thành phố cho xe buýt hoạt động trở lại từ ngày 1/10. Văn bản do Chủ tịch Hiệp hội Vận tải hành khách công cộng Hà Nội Nguyễn Trọng Thông ký cho biết, khi dịch COVID-19 bùng phát trở lại lần thứ 4, xe buýt tại Hà Nội đã dừng hoạt động từ 18/7 đến nay (2 tháng rưỡi).

Thuốc Chích Ngừa Pfizer Cho Trẻ Em Từ 5 Đến 11 Tuổi Phải Đợi Đến Tháng 11 Mới Có Thể Có

WASHINGTON – Pfizer đã nộp bản nghiên cứu cho Cơ Quan FDA Hoa Kỳ về hiệu quả của thuốc chích ngừa Covid-19 của họ trong trẻ em nhưng việc chích ngừa thì có thể sẽ đến tháng 11, theo bản tin của AP tường thuật hôm Thứ Ba, 28 tháng 9 năm 2021.

Công ty này hôm Thứ Ba nói rằng họ đã cung cấp cho các nhà giám sát sức khỏe các tài liệu từ một nghiên cứu gần đây về thuốc chích ngừa của họ trong trẻ em từ 5 tới 11 tuổi. Các viên chức đã cho biết trước đây là họ sẽ nộp hồ sơ xin Cơ Quan FDA trao thẩm quyền sử dụng trong những tuần lễ tới.

Một khi công ty nộp đơn xin, các nhà giám sát Hoa Kỳ và các viên chức sức khỏe công cộng sẽ xem xét chứng cứ và kết quả với các ủy viên cố vấn của họ trong những cuộc họp công khai để quyết định xem việc chích người có an toàn và đủ hiệu quả để đề nghị sử dụng chưa.

Tiến trình này có thể có nghĩa là việc chích ngừa sẽ



Lãnh Đạo Cộng Hòa tại Thượng Viện Mitch McConnell, Cộng Hòa-Kentucky, đi bộ tới phòng bỏ phiếu dự luật chi tiêu của chính phủ, tại Tòa Nhà Quốc Hội Hoa Kỳ tại Washington, hôm Thứ Hai, 27 tháng 9 năm 2021. (https://apnews.com)

không thể thực hiện cho đến gần Lễ Tạ Ôn, theo một người thạo tin về tiến trình này nhưng không có thẩm quyền để nói công khai, cho biết. Nhưng có thể, tùy theo FDA hành động nhanh như thế nào, việc chích ngừa có thể sẵn sàng trong tháng 11, theo người này cho hay.

Thuốc chích ngừa chích 2 mũi của Pfizer hiện có sẵn cho người từ 12 tuổi trở lên. Có khoảng 100 triệu người tại Hoa Kỳ đã chích ngừa đầy đủ với thuốc này, theo Cơ Quan CDC cho biết.

Bị 2 Nghị Sĩ Cùng Đảng Chống, Dân Chủ Phải Cắt Giảm Thêm Kế Hoạch Tái Thiết Nước Mỹ 3.5 Ngàn Tỉ MK Để Có Thể Thông Qua

WASHINGTON – Áp lực đang gia tăng, Tổng Thống Joe Biden và các nhà lập pháp Dân Chủ tại Quốc Hội đã căng thẳng hôm Thứ Ba, 28 tháng 9 năm 2021, để cắt giảm kế hoạch đại tu bộ của chính phủ trị giá 3.5 ngàn tỉ đô la nhiều nhất trong lịch sử để giành sự ủng hộ từ 2 thượng nghị sĩ quan trọng trước thời hạn chót để bỏ phiếu, theo Hãng Thông Tấn Mỹ AP tường thuật hôm Thứ Ba.

Với Cộng Hòa mạnh mẽ chống đối và không có lá phiếu nào, Biden đã bãi bỏ chuyến đi Chicago vào Thứ Tư mà đã dự định tập trung vào việc chích ngừa Covid-19 để ông có thể tiếp tục làm việc với thương lượng này, theo một viên chức Bạch Ốc được đầu tên để nói về kế hoạch.

Dân Chủ đã sẵn sàng điều chỉnh các đề nghị thuế và các mục tiêu chi tiêu của đại dự luật để đáp ứng tâm cơ được yêu cầu bởi các nhà lập pháp cùng đảng DC Joe Manchin của West Virginia và Kyrsten Sinema của Arizona. Hai nhà lập pháp này nói rằng kế hoạch của Biden quá lớn nhưng lại im

lặng một cách công khai về con số mà họ có thể sống cùng.

Tổng thống đã gặp riêng họ hôm Thứ Ba tại Bạch Ốc, tạo tiền bộ rõ ràng trước cuộc bỏ phiếu thử vào Thứ Năm.

Khi lập pháp chú tâm đến, những điều chỉnh sẽ cho phép – các tài trợ chăm sóc trẻ em có thể được cung cấp cho nhiều năm, hay chỉ một vài. Việc tài trợ để mở rộng các chương trình chăm sóc sức khỏe có thể bắt đầu trễ hơn hay chấm dứt sớm hơn. Tăng thuế lên các công ty và giới giàu có thể bị điều chỉnh. Và các điều khoản chống biến đổi khí hậu hay cắt giảm giá thuốc theo toa có thể thay đổi.

Không khẳng định điều gì, Chủ Tịch Hạ Viện Nancy Pelosi nói với các phóng viên tại Tòa Nhà Quốc Hội, “Vào ngày kế tiếp hay cỡ đó chúng tôi hy vọng sẽ tới nơi mà tất cả chúng tôi đều có thể đi tới nữa.”

Các Thượng Nghị Sĩ Cộng Hòa Đã Bỏ Phiếu Ngăn Chận Thông Qua Dự Luật Tài Trợ Cho Chính Phủ và Thúc Đẩy Kế Hoạch 3.5 Ngàn Tỉ MK Của Biden

WASHINGTON – Các thượng nghị sĩ Cộng Hòa đã ngăn chặn một dự luật vào tối Thứ Hai để giữ cho chính phủ hoạt động và cho phép liên bang vay tiền, nhưng Dân Chủ nhằm ngăn chặn sự đóng cửa đã cam kết sẽ thử lại – cùng lúc thúc đẩy các kế hoạch lớn của Tổng Thống Joe Biden để tái định hình lại chính phủ, theo AP tường thuật hôm Thứ Hai, 27 tháng 9 năm 2021.

Các nỗ lực không nhất thiết được liên đới, nhưng hạn chót cuối năm tài khóa đề tài trợ cho chính phủ hôm Thứ Năm tuần rồi đang đi ngược lại ước muốn của Dân Chủ để đạt được tiến

bộ cho cuộc đại tu bộ của liên bang trị giá 3.5 ngàn tỉ đô la.

Tất cả đang tạo ra một thời khắc hỗn loạn cho Biden và đảng của ông, với các hệ quả nhất định ảnh hưởng tới nhiệm kỳ tổng thống của ông và tương lai chính trị của các nhà lập pháp.

“Các bạn biết tôi, tôi là người vốn lạc quan,” theo Biden nói với các phóng viên hôm Thứ Hai, khi ông vén tay áo để chích liều thuốc Covid-19 bổ sung. “Chúng tôi sẽ làm cho nó xong.”

Tỉ số phiếu 50-48 hôm Thứ Hai chống lại việc thông qua dự luật đã thiếu 60 phiếu cần thiết để xúc tiến việc vượt qua sự chống đối của Cộng Hòa.

Hãng Xe Ford Sẽ Tuyển 10,800 Công Nhân Cho Các Hãng Xương Khé Tạo Xe Điện Mới Đầu Tư Tại Kentucky và Tennessee

GLENDAL, Ky. – Công Ty Xe Hơi Ford và một công ty đối tác nói rằng họ có kế hoạch xây dựng các hãng lớn sản xuất pin xe điện và nhà máy lắp ráp xe hơi tới năm 2025 – một đầu tư lớn trong tương lai của kỹ thuật xe EV mà sẽ tạo ra khoảng 10,800 việc làm và chuyên việc sản xuất trong tương lai của công ty chế tạo xe hơi này xuống Miền Nam, theo bản tin của Hãng Thông Tấn Mỹ AP tường thuật hôm Thứ Hai, 27 tháng 9 năm 2021.

Các hãng, sẽ được xây dựng tại các địa điểm ở Kentucky và Tennessee, sẽ chế tạo các bình điện cho thể hệ kế tiếp của xe điện Ford và Lincoln mà sẽ được sản xuất tại Bắc Mỹ. Tổng hợp, chúng đánh dấu sự đầu tư vào việc sản xuất lớn nhất mà công ty có tuổi thọ 118 năm đã từ trước hiện từ trước tới nay và nằm trong số

Xem tiếp **THỜI SỰ** trang A5

Bác Sĩ Nha Khoa
NGUYỄN MẠNH HÙNG, D.D.S.

15671 Brookhurst St., Westminster, CA 92683
(714) 839-3891

- Giảng viên đại học Nha Khoa, University of Southern California.
- Tốt nghiệp thủ khoa đại học Nha Khoa USC.
- Giải thưởng Nha Khoa USC, International Program Award.
- Hội viên Omicron Kappa Epsilon Zeta Chapter (hội các nha sĩ ưu tú Hoa Kỳ).
- Tốt nghiệp thủ khoa đại học Nha Khoa Sài Gòn.
- Cựu nội trú khu giải phẫu hàm mặt, đại học Nha Khoa Sài Gòn.

Với sự cộng tác của
Bác Sĩ Nha Khoa

NGHIÊM THỊ ĐẠT, D.D.S.

- Tốt nghiệp đại học Nha Khoa USC.
- Hội viên Omicron Kappa Epsilon.
- Tốt nghiệp thủ khoa đại học Nha Khoa Saigon.

<p>Mc Fadden</p> <p>Margo</p> <p>Edinger</p>	<p>Brookhurst</p> <p>NHẬN BẢO HIỂM</p> <p>Xin gọi lấy hẹn 10AM - 7PM</p> <p>Monday through Saturday</p>
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PHƯƠNG HƯỚNG NĂM 2045

KẾ HOẠCH VẬN CHUYỂN DÀI HẠN

Những giải pháp giao thông bền vững, công bằng và sáng tạo

Sở Giao Thông Vận Tải Quận Cam (OCTA) mong muốn nhận được ý kiến đóng góp của quý vị khi lập kế hoạch cho những cải tiến trong tương lai trong hệ thống giao thông của quận. Chia sẻ ý kiến đóng góp của quý vị qua cuộc khảo sát trực tuyến của chúng tôi và buổi họp trên web công khai sắp tới.

Tham gia cuộc khảo sát trực tuyến của chúng tôi ngay hôm nay!

www.LRTP-Survey.com

Hãy giữ ngày này để tham gia buổi họp trực tuyến của cộng đồng vào

Thứ Ba, ngày 19 tháng 10 lúc 5:30 chiều

Vào mạng Zoom: www.LRTP-Meeting.com

Số điện thoại: 213-338-8477

ID Cuộc họp: 847 5366 4364

www.octa.net/LRTP

Nghiên Cứu về Các Trung Tâm Vận Chuyển Ở QUẬN CAM

Tùy Chỉnh Khả Năng Vận Chuyển cho Cộng Đồng Địa Phương

Nghiên cứu về Trung Tâm Di Chuyển của OCTA đang tìm cách để kết nối người đi lại với điểm đến của họ thuận tiện hơn bằng cách tập hợp các dịch vụ và tiện nghi giao thông khác nhau vào một nơi.

Giữ ngày để tham gia cuộc họp trực tuyến cộng đồng với chúng tôi vào

Thứ Năm, ngày 7 tháng 10 lúc 5:30 chiều

Vào mạng Zoom:

www.MobilityHubs-Meeting.com

Số điện thoại: 213-338-8477

ID Cuộc họp: 834 3194 7204

octa.net/OCMobilityHubs

Appendix H: Online Advertisements



OCTA's Mobility Hubs Study is exploring ways to conveniently connect travelers to their destinations by bringing together different transportation services and amenities all in one place. Help us plan mobility hubs in the region by joining us for a community webinar at 5:30 p.m. Thursday, Oct. 7, at MobilityHubs-Meeting.com. Learn more at octa.net/OCmobilityhubs



ORANGE COUNTY
Mobility Hubs Study
Customizing Mobility for Local Communities

Join us for a community webinar!

MOBILITYHUBS-MEETING.COM

Give feedback on future mobility in OC!

How could mobility hubs improve your transportation needs?

[Learn More](#)

 10

1 Comment 2 Shares

Most Relevant ▾



Brandon Kunicki

I can't think of a better way to be exposed to Covid than to use public transportation.

2w



OCTA

Published by Gwen Lester · September 28 at 6:24 PM ·



OCTA's Mobility Hubs Study explores ways to conveniently connect travelers to their destinations by bringing together different facilities and transportation services in one place. Help us plan mobility hubs in the region by participating in a community webinar on Thursday, October 7, at 5:30 p.m. at MobilityHubs-Meeting.com. Learn more at octa.net/OCmobilityhubs

See original · Rate this translation

Estudio sobre los Centros de Movilidad del CONDADO DE ORANGE

Adaptación de los medios de movilidad a las necesidades de las comunidades locales

¡Acompáñenos en un seminario web de la comunidad!

MOBILITYHUBS-MEETING.COM

¡Envíe sus comentarios sobre la movilidad futura en OC!

Learn More

¿Cómo podrían los centros de movilidad (Mobility Hubs) mejorar sus nec...

12

2 Comments

Most Relevant



Pedro Gal Alvarez

Hola.buces.cadamedia.horaceria.mejor.condado.de.orange

See Translation · 2w



Pedro Gal Alvarez

Dios.nos.cuida

See Translation · 2w



OCTA

Published by Gwen Lester · October 1 at 9:15 AM · 🌐



Nghiên cứu về Trung Tâm Di Chuyển của OCTA đang khám phá các cách để thuận tiện kết nối người đi lại với điểm đến của họ bằng cách tập hợp các dịch vụ và tiện nghi giao thông khác nhau vào một nơi. Hãy giúp chúng tôi lập kế hoạch cho các trung tâm di chuyển trong khu vực bằng cách tham gia cuộc họp cộng đồng trực tuyến vào lúc 5:30 chiều, Thứ Năm, ngày 7 tháng 10, tại [MobilityHubs-Meeting.com](https://mobilityhubs-meeting.com). Tìm hiểu thêm tại octa.net/OCmobilityhubs

See Translation

Nghiên Cứu về Các Trung Tâm Vận Chuyển Ở QUẬN CAM

Tùy Chính Khả Năng Vận Chuyển cho Cộng Đồng Địa Phương

Hãy cùng chúng tôi tham gia cuộc họp cộng đồng trực tuyến!

MOBILITYHUBS-MEETING.COM

Đưa ra phản hồi về việc di chuyển trong tương lai ở OC!

[Learn More](#)

Làm thế nào các trung tâm di chuyển có thể cải thiện nhu cầu vận chuyển...

👍❤️ 8

1 Comment

Most Relevant ▾



Kurt Freitag

Now THAT'S funny! Touche!

2w

Appendix I: Social Media Posts





OCTA

September 24 · 🌐



Buses, Bikes and E-scooters oh my! Join us for a community webinar at 5:30 p.m. on 10/7 MobilityHubs-Meeting.com to learn about OCTA's Mobility Hubs Study, which is exploring ways to conveniently connect travelers to their destinations by bringing together different transportation services and amenities all in one place. Sign-up for updates at octa.net/OCMobilityHubs

ORANGE COUNTY Mobility Hubs Study

Customizing Mobility for Local Communities



*Join us for a
community webinar!*



3

1 Share



Like



Comment



Share



Write a comment...





OCTA

October 5 · 🌐



Help us improve connectivity and convenience for OC residents & visitors and learn more about the potential for future mobility hubs in the region. Join us Thursday, October 7, at 5:30 p.m. Click [MobilityHubs-Meeting.com](https://www.mobilityhubs-meeting.com).

ORANGE COUNTY
Mobility Hubs Study

Customizing Mobility for Local Communities

Join us for a community webinar!



1



Like



Comment



Share



Write a comment...





OC Bus

October 7 · 🌐



Join us tonight at 5:30 pm to learn how you can help plan the future of mobility in Orange County. Join by clicking [MobilityHubs-Meeting.com](https://www.mobilityhubs-meeting.com). Give your feedback on OCTA's Mobility Hubs Study, which is exploring ways to conveniently connect travelers to their destinations by bringing together different transportation services and amenities all in one place. octa.net/OCMobilityHubs



2



Like



Comment



Share



Write a comment...





Studies 1w



ORANGE COUNTY

Sep 24, 2021

Mobility Hubs Study

Customizing Mobility for Local Communities

*Join us for a
community webinar!*

**Which mode of travel do
you use daily?**



Reply to goocta...



**OCTA**

2,748 Tweets

Follow**OCTA** @goOCTA · Sep 24

Help plan the future of mobility in OC! Join our webinar on 10/7 at 5:30 p.m. Add [MobilityHubs-Meeting.com](https://www.mobilityhubs-meeting.com) to your calendar. What is a mobility hub? Learn more here: octa.net/OCMobilityHubs

ORANGE COUNTY
Mobility Hubs Study
Customizing Mobility for Local Communities

Join us for a community webinar!





OCTA

2,748 Tweets

Follow



OCTA @goOCTA · Oct 5

We're working to bring our region together and connect travelers more conveniently to their destination. JOIN US for a webinar on 10/7 at 5:30 p.m. at MobilityHubs-Meeting.com. Learn more at octa.net/OCMobilityHubs

ORANGE COUNTY
Mobility Hubs Study
Customizing Mobility for Local Communities

Join us for a community webinar!





OC Bus

2,300 Tweets

Follow



OC Bus @RideOCBus · Sep 30

We're exploring the benefits of mobility hubs to improve connectivity and convenience for residents & visitors octa.net/OCMobilityHubs. SAVE THE DATE on 10/7 at 5:30 p.m. Join at MobilityHubs-Meeting.com

ORANGE COUNTY
Mobility Hubs Study
Customizing Mobility for Local Communities

Join us for a community webinar!



Appendix J: Electronic Mail Notices



Jason Jackson

From: Orange County Transportation Authority <mespino@octa.net>
Sent: Thursday, September 23, 2021 5:34 PM
To: Jason Jackson
Subject: OCTA Mobility Hubs - Attend Our First Public Meeting



Help improve connectivity and increase sustainable transportation options!

The Orange County Transportation Authority (OCTA) is exploring ways to increase accessibility and the range of transportation options for county residents and visitors. This effort is part of the Mobility Hubs Study that will look at bringing together various transportation services, amenities and technologies in one place to conveniently connect travelers to their destinations. Join the project team for a virtual community meeting to learn about the study and share your feedback about potential mobility hub services and amenities.

Join our community webinar:

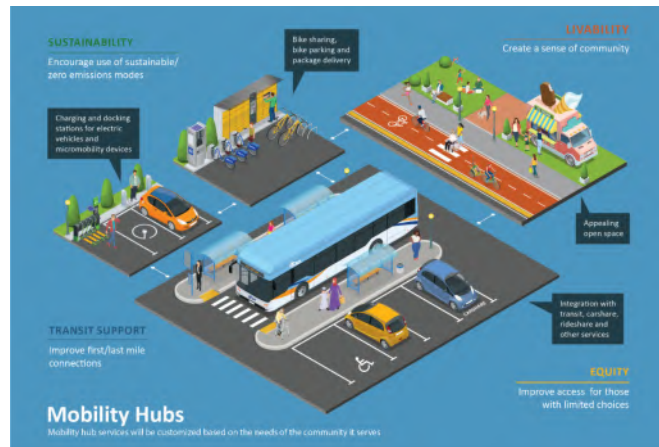
**Thursday, October 7, 2021
5:30 – 6:30 p.m.**

Attend the meeting!

Spanish interpretation will be provided. Special accommodations and additional interpretations are available by calling 714-560-5766. Requests must be made at least 72 hours in advance of the scheduled meeting.

What is a mobility hub?

Mobility hubs improve connectivity and convenience by allowing people to easily switch between transportation services including bus, bike and e-scooters, ridesharing and rail. They can also offer supporting amenities, such as electric charging stations, secured bike storage or seating. These hubs are generally located at activity centers near employment, housing, shopping, recreation and other essential destinations.



Stay connected

If you'd like to receive notices via text, sign-up by sharing your phone number.

[Sign me up!](#)

Do you want to know more?

Visit octa.net/OCmobilityhubs.



If you would like to unsubscribe from receiving emails about this project, please [click here](#).

Orange County Transportation Authority

Arellano Associates | 5851 Pine Ave., Suite A, Chino Hills, CA 91709

[Unsubscribe jjackson@arellanoassociates.com](mailto:jjackson@arellanoassociates.com)

[Update Profile](#) | [Constant Contact Data Notice](#)

Sent by mespino@octa.net

Jason Jackson

From: Orange County Transportation Authority <cpirruccello@octa.net>
Sent: Thursday, September 30, 2021 2:04 PM
To: Jason Jackson
Subject: REMINDER: OCTA Mobility Hubs - Attend Our First Public Meeting

Follow Up Flag: Flag for follow up
Flag Status: Flagged



Help improve connectivity and increase sustainable transportation options!

The Orange County Transportation Authority (OCTA) is exploring ways to increase accessibility and the range of transportation options for county residents and visitors. This effort is part of the Mobility Hubs Study that will look at bringing together various transportation services, amenities and technologies in one place to conveniently connect travelers to their destinations. Join the project team for a virtual community meeting to learn about the study and share your feedback about potential mobility hub services and amenities.

Join our community webinar:

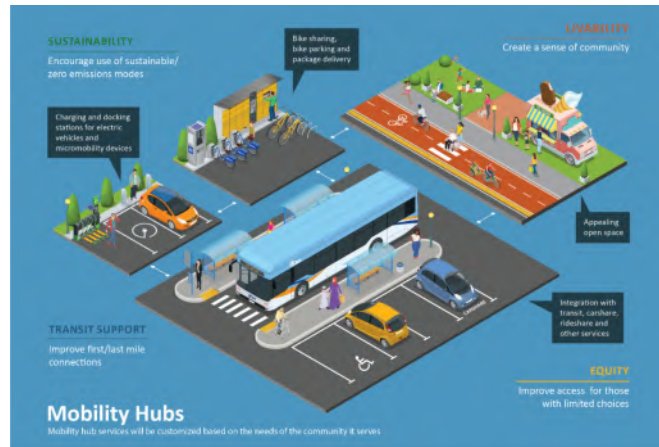
Thursday, October 7, 2021
5:30 – 6:30 p.m.

Attend the meeting!

Spanish interpretation will be provided. Special accommodations and additional interpretations are available by calling 714-560-5766. Requests must be made at least 72 hours in advance of the scheduled meeting.

What is a mobility hub?

Mobility hubs improve connectivity and convenience by allowing people to easily switch between transportation services including bus, bike and e-scooters, ridesharing and rail. They can also offer supporting amenities, such as electric charging stations, secured bike storage or seating. These hubs are generally located at activity centers near employment, housing, shopping, recreation and other essential destinations.



Stay connected

If you'd like to receive notices via text, sign-up by sharing your phone number.

Sign me up!

Do you want to know more?

Visit octa.net/OCmobilityhubs.



If you would like to unsubscribe from receiving emails about this project, please [click here](#).

Orange County Transportation Authority

Arellano Associates | 5851 Pine Ave., Suite A, Chino Hills, CA 91709

[Unsubscribe jjackson@arellanoassociates.com](mailto:jjackson@arellanoassociates.com)

Jason Jackson

From: Orange County Transportation Authority <cpirruccello@octa.net>
Sent: Tuesday, October 5, 2021 11:08 AM
To: Jason Jackson
Subject: JOIN US THURSDAY: OCTA Mobility Hubs - Attend Our First Public Meeting

Here is the MH reminder with the proper title.



Help improve connectivity and increase sustainable transportation options!

The Orange County Transportation Authority (OCTA) is exploring ways to increase accessibility and the range of transportation options for county residents and visitors. This effort is part of the Mobility Hubs Study that will look at bringing together various transportation services, amenities and technologies in one place to conveniently connect travelers to their destinations. Join the project team for a virtual community meeting to learn about the study and share your feedback about potential mobility hub services and amenities.

Join our community webinar:

**Thursday, October 7, 2021
5:30 – 6:30 p.m.**

Attend the meeting!

Spanish interpretation will be provided. Special accommodations and additional interpretations are available by calling 714-560-5766. Requests must be made at least 72 hours in advance of the scheduled meeting.

What is a mobility hub?

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Stay connected

If you'd like to receive notices via text, sign-up by sharing your phone number.

[Sign me up!](#)

Do you want to know more?

Visit octa.net/OCmobilityhubs.



If you would like to unsubscribe from receiving emails about this project, please [click here](#).

Orange County Transportation Authority

Arellano Associates | 5851 Pine Ave., Suite A, Chino Hills, CA 91709

[Unsubscribe {recipient's email}](#)

[Update Profile](#) | [Constant Contact Data Notice](#)

Sent by cpirruccello@octa.net

Jason Jackson

From: Orange County Transportation Authority <cpirruccello@octa.net>
Sent: Friday, October 15, 2021 11:43 AM
To: Jason Jackson
Subject: Thanks for Your Participation

Follow Up Flag: Flag for follow up
Flag Status: Flagged



Thank you for participating in our community webinar!

Thank you to everyone that had participated in our community webinar on Thursday, October 7, 2021.

For those that could not attend the webinar, we hope you'll visit the study website at octa.net/OCMobilityHubs to watch the recorded presentation and stay connected. For your convenience, we've included links to the webinar presentation and study fact sheet below:

- Webinar Presentation ([English](#))
- Study Fact Sheet ([English](#) | [Spanish](#) | [Vietnamese](#))

There is still time to participate!

If you would still like to provide input on the Mobility Hubs Study, we encourage you to participate in the OCTA Long-Range Transportation Plan (LRTP) survey, which includes questions focused on the development of mobility hubs.

[Take the Survey!](#)

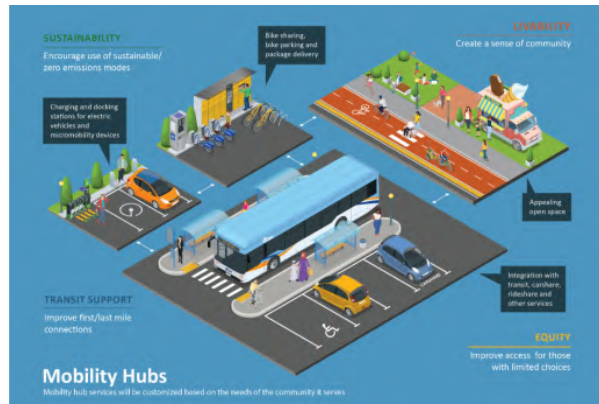
You can also submit additional comments to Christina Pirruccello, Principal Community Relations Specialist at cpirruccello@octa.net or by visiting the webpage and submitting your opinions online.

[Submit a Comment](#)

Next Steps

The OC Mobility Hubs Study aims to improve connectivity and convenience by allowing people to easily switch between transportation services including bus, bike, e-scooters, ridesharing and rail. Mobility hubs can also offer supporting amenities, such as electric charging stations, secured bike storage or seating. These hubs are generally located at activity centers near employment, housing, shopping, recreation and other essential destinations.

Public feedback plays an important role in setting the stage for siting, designing and function of future Mobility Hub projects throughout Orange County. Input gathered will be used to help formulate the plan forward by informing the development of the Final Mobility Hubs Strategy which is scheduled to complete in spring 2022.



If you would like to unsubscribe from receiving emails about this project, please [click here](#).

Orange County Transportation Authority

Arellano Associates | 5851 Pine Ave., Suite A, Chino Hills, CA 91709

[Unsubscribe jjackson@arellanoassociates.com](mailto:jjackson@arellanoassociates.com)

[Update Profile](#) | [Constant Contact Data Notice](#)

Sent by cpirruccello@octa.net

Appendix K: MMS-SMS Texts





ORANGE COUNTY Mobility Hubs Study

Customizing Mobility for Local Communities

Save the date to join us for a community webinar on
Thursday, October 7 at 5:30 p.m.

*Reserve la fecha para acompañarnos en un seminario web de
la comunidad **Jueves, 7 de octubre a las 5:30 p.m.***

Đánh dấu ngày để tham gia cuộc họp trực tuyến cộng đồng với
chúng tôi vào **Thứ Năm, ngày 7 tháng 10 lúc 5:30 chiều**

www.octa.net/OCMobilityHubs



OCTA necesita su ayuda para mejorar la movilidad futura en Orange County. Añada la reunión a su calendario (*MobilityHubs-Meeting.com*). Obtenga más información sobre el estudio de los centros de movilidad (*Mobility Hubs*) en: octa.net/OCmobilityhubs

OCTA cần sự giúp đỡ của quý vị để cải thiện khả năng di chuyển trong tương lai ở Quận Cam. Hãy đánh dấu ngày diễn ra cuộc họp vào lịch của quý vị (*MobilityHubs-Meeting.com*). Tìm hiểu thêm về nghiên cứu Trung Tâm Di Chuyển tại octa.net/OCmobilityhubs

Obtenga más información y participe en el estudio sobre los Centros de Movilidad (Mobility Hubs).

Tìm hiểu thêm và tham gia vào Nghiên Cứu của Trung Tâm Di Chuyển.



ORANGE COUNTY Mobility Hubs Study

Customizing Mobility for Local Communities

Participe en el seminario web sobre los centros de movilidad (Mobility Hubs) a las 5:30 pm.

Tham gia cuộc họp trực tuyến của Trung Tâm Di Chuyển lúc 5:30 chiều.

www.octa.net/OCMobilityHubs



Appendix L: Electronic Communications Toolkit





Orange County Transportation Authority OC Mobility Hubs Study

E-communications Outreach Tool Kit

The Orange County Transportation Authority (OCTA) is studying mobility hubs as a potential strategy for bringing together various mobility services, amenities and technologies all in one place to connect travelers more conveniently to their destinations. Mobility hubs improve connectivity and convenience by allowing people to easily switch between transportation services including bus, bike and e-scooters, ridesharing, and rail. They can also offer supporting amenities, such as electric charging stations, secured bike storage or seating. These hubs are generally located near employment, housing, shopping, recreation and other essential destinations and integrated into neighborhoods.

OCTA is asking for your help to share our community webinar invitation with your community using this tool kit to help promote the meeting. The tool kit is easy to use and provides copy-ready text and links with details regarding the study's survey and Zoom webinar. Please visit octa.net/OCMobilityHubs for more information.

We appreciate your consideration in sharing the study survey and webinar with your community by way of:

- 1. Social media (Facebook, Twitter & Instagram):** Copy and paste the image and content of choice to your Facebook, Twitter or Instagram pages.
- 2. Eblast/Newsletter Article:** Distribute the provided image and content to your e-mail contacts or via your organization's newsletter or bulletin.
- 3. Website:** Connect the study with your community by updating your webpage calendar for the webinar and/or program news to include the graphic and an informative blurb.
- 4. Nextdoor/Neighborhood Blog:** Post the content and graphic as an announcement on your community's page.
- 5. Phone Recording:** Record the provided script as part of your call-waiting or share it as an informational announcement.

The community webinar is scheduled for Thursday, October 7, 2021, at 5:30 p.m. We hope you will be able to attend the webinar and share your voice. Thank you for helping to promote the OCTA OC Mobility Hubs Study.



FACEBOOK

Image Option 1: [Link to English Graphics](#)



Text Option 1:

[@goOCTA](#) is exploring ways to conveniently connect travelers to their destinations by bringing together different transportation services and amenities all in one place. Help them plan future mobility hubs in the region. Join their community webinar on Thursday, October 7 at 5:30pm at [MobilityHubs-Meeting.com](#). Learn more at [octa.net/OCMobilityHubs](#)

Image Option 2: [Link to English Graphics](#)



Text Option 2:

Learn how [@goOCTA](#) is planning to connect travelers more conveniently to their destinations. Join OCTA on 10/7 at 5:30pm for a community webinar at [MobilityHubs-Meeting.com](#) for a discussion about the future. Learn more at [octa.net/OCMobilityHubs](#)

Alternative Language Options:

[Spanish Text](#)



TWITTER

Image Option 2: [Link to English Graphics](#)



Text Option 1:

Help plan for convenient and connected transportation services and amenities in the County! Join [@goOCTA](#) for a Zoom webinar on 10/7 at 5:30pm. Add [MobilityHubs-Meeting.com](#) to your calendar. Check-out their website at [octa.net/OCMobilityHubs](#) to learn more.

Image 2: [Link to English Graphics](#)



Text Option 2:

[@goOCTA](#) is exploring the benefits of mobility hubs to improve connectivity and convenience for residents & visitors ([octa.net/OCMobilityHubs](#)). SAVE THE DATE on 10/7 @ 5:30pm. Attend [MobilityHubs-Meeting.com](#).

Alternative Language Options:

[Spanish Text](#)



INSTAGRAM STORY

Image: [Link to English Graphics](#)



Text:

Which mode of travel do you use daily [bus emoji] [car emoji] [train emoji] [scooter emoji] [bike emoji]? @goOCTA is exploring the future of mobility hubs in Orange County. Learn all about these adaptive transportation solutions. Attend their webinar on 10/7 @ 5:30pm and help plan the future of local travel ([MobilityHubs-Meeting.com](#)). Visit octa.net/OCMobilityHubs for more.

Alternative Language Options:

[Spanish Text](#)



NEXT DOOR

Image: [Link to English Graphics](#)



Title: **SAVE THE DATE:** Help OCTA plan the future of mobility hubs in Orange County!

Body:

What are they? [Mobility hubs](#) improve connectivity and convenience by allowing people to easily switch between transportation services including bus, bike and e-scooters, ridesharing and rail.

Join [OCTA](#) as they explore the potential for mobility hubs as a strategy for bringing together mobility services and amenities in one place to connect residents and visitors in our region. OCTA is hosting a community webinar on Thursday, October 7 at 5:30pm. Attend the meeting at [MobilityHubs-Meeting.com](#). You may also join directly on Zoom (Webinar ID: 834 3194 7204 or call-in 213-338-8477). To listen to the presentation in Spanish, dial 1-646-749-3335 (passcode: 373-074-269). Find fact sheets and more at [octa.net/OCMobilityHubs](#).

Help explore and customize the future of mobility in the OC!

Alternative Language Options:

[Spanish Text](#)



EMAIL BLAST OR NEWSLETTER

Image: [Link to English Graphics](#)



Subject: **Help improve connectivity and increase sustainable transportation options!**

Body:

The Orange County Transportation Authority ([OCTA](#)) is exploring ways to increase accessibility and the range of transportation options for County residents and visitors. This effort is part of the OC Mobility Hubs Study that will look at bringing together various transportation services, amenities and technologies in one place to conveniently connect travelers to their destinations. Join them for a virtual community meeting to learn about the study and share your feedback about potential transportation services and amenities.

Join the community webinar!

Get involved by attending a Zoom community webinar on Thursday, October 7 at 5:30pm. Participate at [MobilityHubs-Meeting.com](#). You may also join directly on Zoom (Webinar ID: 834 3194 7204 or call-in 213-338-8477). To listen to the presentation in Spanish, dial 1-646-749-3335 (passcode: 373-074-269). Visit [octa.net/OCMobilityHubs](#) to find the project schedule, fact sheets and more.

Spanish interpretation will be provided. Special accommodations and additional interpretations are also available by calling 714-560-5766. Requests must be made 72 hours in advance of the scheduled meeting.

Alternative Language Options:

[Spanish Text](#)



WEBSITE POST

Image: [Link to English Graphics](#)



Join [OCTA](#) for the OC Mobility Hubs community webinar on October 7th at 5:30pm. Be sure to invite your family, friends and coworkers, so they can share their thoughts on how to improve future mobility in Orange County. Click [MobilityHubs-Meeting.com](#) to attend.

They want your feedback about potential mobility hub services and amenities. Visit their website at [octa.net/OCMobilityHubs](#) to learn more about the plan to improve connectivity and convenience in Orange County.

Alternative Language Options:

[Spanish Text](#)

PHONE SCRIPT

Do you want to improve transportation connectivity and convenience in Orange County? Then help the Orange County Transportation Authority (OCTA) identify goals and priorities for future mobility hubs throughout the County. Visit their project website at [OCTA dot net forward slash OC Mobility Hubs](#) for links to the upcoming meeting on October 7th, fact sheets and more.

Alternative Language Options:

[Spanish Text](#)

Appendix M: OCTA Blog & Press Release





Public Input Sought on Mobility Hubs in Orange County

BACK

October 05, 2021

Webinar at 5:30 p.m. Thursday, Oct. 7 will discuss integrated transportation hubs

ORANGE – The public is invited to learn more and give input about mobility hubs – places near where people live, work or play to conveniently access walking or biking trails, rent a scooter, take public transportation or access a shared ride without having to get behind the wheel of a car to reach a destination.

The Orange County Transportation Authority is studying the idea of creating these integrated transportation hubs in various parts of the county to help residents, workers and visitors access a range of seamless transportation services, amenities, and technologies to keep them moving safely and efficiently.

A community webinar is scheduled from 5:30 to 6:30 p.m. on Thursday, Oct. 7. For more information and to join the webinar, visit octa.net/ocmobilityhubs.

Spanish translation will also be available for the webinar.

In March, the OCTA board approved the selection of a consultant to develop a strategy for determining where mobility hubs should be located, what they should look like and what features they should include.

The objectives of creating mobility hubs include:

- Increasing transit ridership on OC Bus, OC Flex, OC Streetcar, rideshare and other public options
- Providing convenient alternatives to single-occupancy vehicle trips and reducing car dependency
- Increasing the amount of shared rides
- Reducing air pollution and encouraging active transportation
- And providing equitable transportation solutions that meet the needs of all communities.

The Orange County Mobility Hubs Strategy is in the initial stages and the webinar is part of the effort to get public input. Results of the study, which will go back to the board for further consideration and direction, are expected in mid-2022.

Jason Jackson

From: OCTA On the Move <onthemove@email-octa.net>
Sent: Friday, September 24, 2021 11:31 AM
To: Jason Jackson
Subject: OCTA on the Move - September 24, 2021



Working with its federal partners, OCTA reset the interest rate to 1.95 percent on its \$629 million federal loan for the I-405 Improvement Project. This first-of-its-kind reset will help save an additional \$158 million for Orange County taxpayers. Innovative financing is critical to delivering major infrastructure projects and OCTA is maximizing available funding to continue making improvements for everyone who lives, works and drives near the 405 Freeway.



Darrell E. Johnson
Chief Executive Officer

[Find recent Board Actions here](#)

About OCTA



Update on South County Transportation Study

The study looks at a wide range of transportation needs and solutions over the next 25 years, including improvements to streets, transit, highways and bikeways.



Learn about Mobility Hubs at Webinar

On October 7, find out more about these locations that bring transportation options and services together in one place.



Diverse Community Leaders Meet with OCTA CEO

The group received an update on OC Go funding and commemorated Hispanic/Latinx Heritage Month.



OCTA Marks 30th Anniversary, Pushes Ahead Toward Future

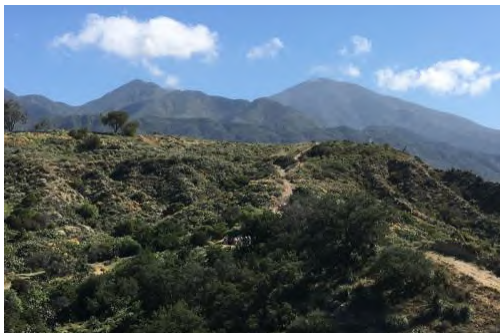
Metro Magazine interviewed OCTA CEO Darrell Johnson about OCTA's vision, the 30-year anniversary and upcoming projects.

Sustainability



Hiking and Riding Events Return to OCTA Preserves

Later this year, OCTA will host hikes and equestrian rides on some of the county's most pristine landscapes.



Celebrate the Environment on California Earth Day

The California Clean Air Day goal is to spread the message throughout California about air pollution and how it directly impacts the health of all Californians.

Freeways & Streets



Orange County Taxpayers Will Save \$158M Thanks to 405 Project Loan Reset

This first-of-its-kind reset lowered the interest rate to 1.95 percent on OCTA's \$629 million federal loan for the I-405 Improvement Project.

Bus



OCTA Offers Free Bus Rides for All OC Youth

The Youth Ride Free pass allows passengers ages 6 to 18 years to ride any OCTA fixed-route bus in Orange County for free during the six-month program.



It's Back! Service Animal Training Day Is October 2

Participants can ride OC Buses and Metrolink trains again and again to increase independence and confidence for less stressful journeys.

Rail



Metrolink Service Temporarily Suspended in South Orange County

An extended closure of tracks between Mission Viejo/Laguna Niguel and Oceanside is underway so construction crews can stabilize tracks south of the San Clemente Pier Station.



Get Info about Proposed Train Maintenance Facility in Irvine

On October 5, learn about the proposed facility that will help meet rail vehicle servicing and storage needs to accommodate current and future operations to better serve the public's transportation needs.



OC Streetcar Progress Shared with Neighbors

During a recent virtual open house, OCTA shared information about OC Streetcar with those affected by work from Bristol to Parton on Santa Ana Boulevard.

Rideshare & Active



Go Green, Have Fun and Pledge for Prizes during Rideshare Week

Rideshare Week from October 4-8 is a great time to try a different kind of transportation, have some fun and pledge for the chance to win prizes.



Copyright © 2021 Orange County Transportation Authority
550 S. Main Street. PO Box 14184
Orange, CA, 92863-1584, USA
Click [here](#) to update your preferences or opt-out



ORANGE COUNTY Mobility Hubs Study

Customizing Mobility for Local Communities

Learn about Mobility Hubs at Webinar

Wednesday, September 22, 2021

[f Share](#)
[t Tweet](#)
[< Share](#)

Mobility hubs are locations that bring transportation options and services together in one place. They improve connectivity and convenience by allowing people to easily switch between transportation services including bus, bike and e-scooters, ridesharing and rail. They can also offer supporting amenities, such as electric charging stations, secured bike storage or seating. These hubs are generally located at activity centers near employment, housing and shopping.

The Orange County Mobility Hubs Study will explore how mobility hubs might benefit Orange County residents and visitors, how they could be planned and designed, and identify a potential network of locations. This strategy serves as an opportunity to improve connectivity and increase sustainable transportation options throughout the county while addressing traffic congestion and pollution caused by vehicle emissions.

To inform Orange County residents about mobility hubs and what they can look like in the community, OCTA will conduct a webinar on Oct. 7, 2021 from 5:30 to 6:30 p.m. Attendees will have the opportunity to ask questions and weigh in on what they would like to see in mobility hubs.

Learn more about mobility hubs and sign up for the webinar [here](#).

Appendix N: Earned Media



A search bar with a rectangular border and a magnifying glass icon on the right side.

[About Us](#) ▾ [Grants and Opportunities](#) ▾ [News](#) ▾ [Mobility Management](#) ▾ [Training](#) ▾
[Knowledge Center](#) ▾

OCTA to study mobility hubs for more seamless transportation

03/20/2021

[Innovation](#) / [Shared Use](#)

Imagine a place near where you live, work or play to conveniently access walking or biking trails, rent a scooter, take public transportation or access a shared ride without having to get behind the wheel of a car to reach your destination.

That's the idea behind a mobility hub. And the Orange County Transportation Authority board this month took the first step toward creating these integrated transportation hubs in various parts of the county to help

residents, workers and visitors access a range of seamless transportation options to keep moving safely and efficiently.

[Open Article](#)

Share:



Twitter



LinkedIn



Email

More from the knowledge Center:

 Mobility News

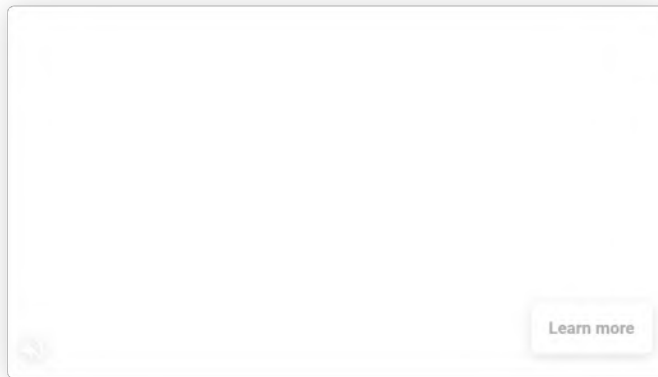
How mobility startups can help

 Blog

What We're Reading: Big

 Blog

What We're Reading:



Your Community Credit Union Proudly Serving Orange County



Orange County Transportation Authority



(Click above for more information.)

OCTA to study mobility hubs for more seamless transportation

By: courtesy / On: March 20, 2021 / In: Transportation / Tagged: OCTA, Orange County Transportation Authority

Imagine a place near where you live, work or play to conveniently access walking or biking trails, rent a scooter, take public transportation or access a shared ride without having to get behind the wheel of a car to reach your destination.

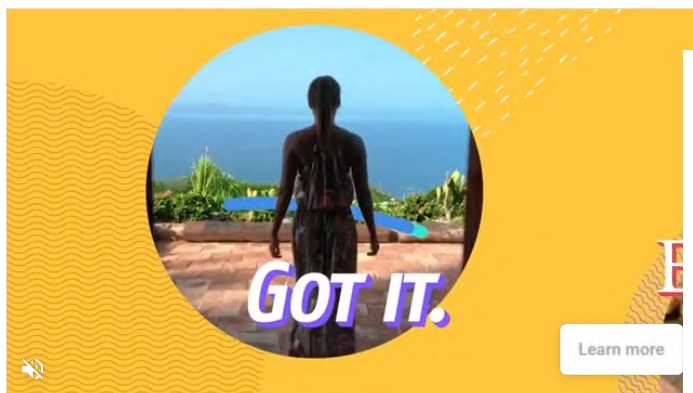
That's the idea behind a mobility hub. And the Orange County Transportation Authority board this month took the first step toward creating these integrated transportation hubs in various parts of the county to help residents, workers and visitors access a range of seamless transportation options to keep moving safely and efficiently.

Plant-based meal kits delivered to your door

ORDER NOW

SEARCH OC-BREEZE.COM

ENTER TEXT TO SEARCH FOR AT OC-BREEZE.COM IN THE FORM ABOVE,



THEN CLICK THE MAGNIFYING GLASS
BUTTON

"OCTA's mission is to provide a variety of travel options that add up to a balanced and sustainable transportation system," said OCTA Chairman Andrew Do, also the county's First District Supervisor. "Future mobility hubs will help make those options more accessible and convenient for the people who live and work in our county. In the process, I hope these hubs will help us to provide critical connections, reduce the cost of transportation and curb pollution."

At its March 8 meeting, the board approved the selection of global consultant Steer Davies & Gleave, which has offices in Los Angeles and international experience developing transportation solutions, to develop a strategy for determining where mobility hubs should be located, what they should look like and what features they should include.

Users would be able to access more options for getting where they need to be while navigating a more seamless process of accessing various transportation options. Mobility hubs, flexible in their size and design, tend to be situated within activity centers with high concentrations of jobs, housing and/or recreation.

The objectives of creating mobility hubs include:

- Increasing transit ridership on OC Bus, OC Flex, OC Streetcar, Metrolink, rideshare and other public options
- Providing convenient alternatives to single-occupancy vehicle trips and reducing car dependency
- Increasing the amount of shared rides
- Reducing air pollution and encouraging active transportation
- And providing equitable transportation solutions that meet the needs of all communities.

The Orange County Mobility Hubs Strategy is in the first stage, and part of the study will be outlining next steps once the concept is further refined. Those concepts will require more detailed planning, engineering and coordination between partners to move forward.

Every four minutes,
a baby is saved.

Learn more...

 An advertisement for Heartbeat International. It features the text "Every four minutes, a baby is saved." and "Learn more...". Below the text is the Heartbeat International logo, which consists of a stylized heart shape formed by two hands.

(Click above for more information.)

Precious Life Shelter *Thrift and Gift*

All proceeds from the Shop
directly fund the
Precious Life Shelter Program
for pregnant women and babies

**THRIFT STORE
CLOSED 7/30-8/3**

FOR INTERIOR PAINTING

Store Hours: M-F 10a-4p

LOOK
Blow-out Sale
July 26 to 29
NO DONATIONS
July 26
to August 3

562-430-7309
www.preciousliveshelter.org

 An advertisement for Precious Life Shelter. It features the shelter's logo and name, followed by text stating that all proceeds from the shop fund the program for pregnant women and babies. The main message is "THRIFT STORE CLOSED 7/30-8/3 FOR INTERIOR PAINTING". It also lists store hours (M-F 10a-4p) and a "Blow-out Sale" from July 26 to 29, with a note that there are "NO DONATIONS" during this period. Contact information (562-430-7309 and www.preciousliveshelter.org) is provided at the bottom.

(Click above for more information.)



Google Fiber 2 Gig internet

Your internet. Even faster. With Wi-Fi 6 included.

Results of the study, which will go back to the board for further consideration and direction, are expected in mid-2022.

(Click above for more information.)



[HOME \(/\)](#) >
 [NEWS \(/NEWS\)](#) >
 [MOBILITY AS A SERVICE \(/MOBILITY-SERVICE\)](#) >
 ORANGE COUNTRY ASSESSES MOBILITY HUB

Orange Country assesses mobility hub

Integrated transportation hubs would allow people to rent scooters or share rides

Mobility as a Service (/mobility-service) / March 26, 2021

SHARE
 [\(/#facebook\)](#)
[\(/#twitter\)](#)
[\(/#linkedin\)](#)
[\(/#email\)](#)


[\(https://www.addtoany.com/share?url=https%3A%2F%2Fwww.itsinternational.com/its17/its8/its9/news/orange-country-ass](https://www.addtoany.com/share?url=https%3A%2F%2Fwww.itsinternational.com/its17/its8/its9/news/orange-country-assesses-mobility-hub)

By Ben Spencer



Octa is hoping the hubs reduce car dependency (© Ducdao | Dreamstime.com)

The Orange County Transportation Authority (<https://www.itsinternational.com/orange-county-transportation-authority>) (Octa) is studying the possibility of introducing mobility hubs to provide access to more transportation options.

The Californian agency wants these integrated transportation hubs to provide a place that allows people to rent a scooter, take public transportation or access a shared ride without having to get behind the wheel of a car to reach a destination.

Octa is hoping the hubs will increase transit ridership on OC Bus and Metrolink while also providing equitable transportation solutions that meet the needs of all communities.

Chairman Andrew Do says the authority works to provide a variety of travel options that add to a balanced and sustainable transportation system.

“Future mobility hubs will help make those options more accessible and convenient for the people who live and work in our county,” he continues.

“In the process, I hope these hubs will help us to provide critical connections, reduce the cost of transportation and kerb pollution.”

Global business consultancy Steer Davies & Gleave (<https://www.itsinternational.com/steer-davies-gleave-0>) is developing a strategy for determining where the mobility hubs should be located and their appearance.

The study will also assess whether the hubs should range in sizes depending on the needs of a particular community and their infrastructure.

As the concept develops, Octa is to work with individual cities to determine how to move forward with implementing the hubs.

Results of the study are expected in mid-2022.

FOR MORE INFORMATION ON COMPANIES IN THIS ARTICLE

Orange County Transportation Authority
(/orange-county-transportation-authority)

Steer Davies & Gleave (/steer-davies-gleave-0)

RELATED ARTICLES

[VIEW ALL ARTICLES \(/FEATURES\)](#)

July 27, 2021

Moovit digitises Irish CityLink transit



(<https://www.itsinternational.com/its17/its5/news/moovit-digitises-irish-citylink-transit>)

July 26, 2021

Two wheels good for TransLink in Canada



(<https://www.itsinternational.com/its17/its3/news/two-wheels-good-translink-canada>)

July 22, 2021

SkedGo platform targets Japan MaaS



July 16, 2021

Tier board calls for e-scooter speed limit



Appendix O: Meeting & Events Log



OCTA Mobility Hubs Meetings Events Log

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Q	
1	Meeting / Event Name	Start Date	End Date	Time	Project	Meeting/ Event Type	Location	Contact Information	Stakeholder Desc	Lead / Schedules	OCTA Staff	Technical S	AA Staff	Notes / Other	Category / Purpose	# of Stakeholder Participants
7	COMPLETED															
8	OCTA Diversity Community Leaders Committee (DCL)	05/27/21			L RTP Mobility Hubs	Briefing - OCTA Advisory Group	Webinar		Diversity Leaders	OCTA	J.Hill M.Espino				Diverse Community Outreach - Informational	
9	OCTA Diversity Community Leaders Committee (DCL)	07/07/21			L RTP Mobility Hubs	Briefing - OCTA Advisory Group	Webinar		Diversity Leaders	OCTA	J.Hill M.Espino				Diverse Community Outreach - Informational	
10	OCTA Citizens Advisory Committee (CAC)	07/20/21		Noon	L RTP Mobility Hubs	Briefing - OCTA Advisory Group	Public Meeting (Zoom) Broadcasted on YouTube http://www.octa.net/pdf/CAC_Agenda_202107.pdf	Jared Hill	Diversity Leaders	OCTA	G.Nord J.Hill M.Espino				Diverse Community Outreach - Informational	34
11	Mobility Hubs: Community Meeting	10/07/21		5:30pm - 6:30pm	Mobility Hubs	Meeting - Community Webinar	Zoom Public Webinar: https://www.youtube.com/watch?v=9g_jV_dj6Y		General Public	AA	C.Pirruccello W.Whitaker		B.Lopez M.Paderanga M.Yanez-Forgash N.Verduzco	Zoom platform with Zoom poll	Diverse Community Outreach - Informational	57
12	L RTP-Mobility Hubs: Community Leaders Roundtable Meeting	10/14/21		1:00pm - 2:30pm	L RTP Mobility Hubs	Meeting - Community Leaders Roundtable	Zoom Webinar		Diversity Leaders	AA	C.Pirruccello G.Nord M.Espino T.Nguyen W.Whitaker		B.Lopez M.Paderanga M.Yanez-Forgash N.Verduzco	Zoom platform with Typeform poll for L RTP and Zoom poll for Mobility Hubs portions of the presentation	Diverse Community Outreach - Informational	11
13	L RTP: Community Meeting	10/19/21		5:30pm - 6:30pm	L RTP	Meeting - Community Webinar	Zoom Webinar: https://www.youtube.com/watch?v=LLtzXOH6bM		General Public	AA	G.Nord M.Espino		J.Jackson M.Paderanga M.Yanez-Forgash N.Verduzco	Zoom platform with Typeform poll	Diverse Community Outreach - Informational	27
14	L RTP: Community Leaders Roundtable Meeting	10/21/21		10:00am - 12:30pm	L RTP Mobility Hubs	Meeting - Community Leaders Roundtable	Zoom Webinar		Diversity Leaders	AA	C.Pirruccello G.Nord M.Espino T.Nguyen W.Whitaker		B.Lopez M.Paderanga M.Yanez-Forgash N.Verduzco	Zoom platform with Typeform poll for L RTP and Zoom poll for Mobility Hubs portions of the presentation	Diverse Community Outreach - Informational	8
15	Garden Grove Local Harvest Farmer's Market	10/17/21		9:00am - 2:00pm	L RTP Mobility Hubs	Community Event/ Pop-up	12939 Main St, Garden Grove, CA 92840		General Public	AA			M.Paderanga		Diverse Community Outreach - Informational	45
16	Downtown Fullerton Farmer's Market	10/21/21		4:00pm - 8:00pm	L RTP Mobility Hubs	Community Event/ Pop-up	121 E Wilshire Ave, Fullerton, CA 92832		General Public	AA			G.Lester		Diverse Community Outreach - Informational	75
17	Revive Santa Ana SK	10/23/21		8:00am - 11:00am	L RTP Mobility Hubs	Community Event/ Pop-up	602 N Flower St, Santa Ana, CA 92703		General Public	AA					Diverse Community Outreach - Informational	30
18	Dia de Los Muertos -Bowers Museum	10/24/21		11:00am - 3:00pm	L RTP Mobility Hubs	Community Event/ Pop-up	2002 N Main St, Santa Ana, CA 92706		General Public	AA			B.Lopez		Diverse Community Outreach - Informational	40
19	Garden Grove Senior Resources Fair	10/27/21		11:00am - 1:00pm	L RTP Mobility Hubs	Community Event/ Pop-up	11300 Stanford Ave, Garden Grove, CA 92840		General Public	AA			G.Lester M.Yanez-Forgash		Diverse Community Outreach - Informational	50
20	Tustin Metrolink Pop-Up	10/28/21		7:00am - 10:00am	L RTP Mobility Hubs	Community Event/ Pop-up	2975 Edinger Ave, Tustin, CA 92780		General Public	AA			G.Lester M.Paderanga		Diverse Community Outreach - Informational	15
21	Westminster Halloween Movie Night	10/29/21		5:30pm - 6:30pm	L RTP Mobility Hubs	Community Event/ Pop-up	8200 Westminster Blvd., Westminster, CA 92683		General Public	AA			M.Paderanga		Diverse Community Outreach - Informational	8

Appendix P: Community Leader Roundtable Meetings





Community Leaders Stakeholder Roundtable 1 & 2

Meeting Summary – Virtual Meetings via Zoom

October 14 & 21, 2021

I. MEETING DETAILS

MEETING DETAILS	ROUNDTABLE 1 Thursday, October 14, 2021 1:00 – 2:30 PM	ROUNDTABLE 2 Thursday, October 21, 2021 10:30 AM – 12:00 PM
Zoom Panelists	<ul style="list-style-type: none"> • 9 Total Panelists <ul style="list-style-type: none"> ○ 6 OCTA ○ 3 Outreach consulting staff 	<ul style="list-style-type: none"> • 9 Total Panelists <ul style="list-style-type: none"> ○ 6 OCTA ○ 3 Outreach consulting staff
Attendance	<ul style="list-style-type: none"> • 13 Total Participants <ul style="list-style-type: none"> ○ 2 Non-panelist project team (OCTA) ○ 11 Non-team attendees <ul style="list-style-type: none"> ▪ 11 Online 	<ul style="list-style-type: none"> • 14 Total Participants <ul style="list-style-type: none"> ○ 6 Non-panelist project team (OCTA) ○ 8 Non-team attendees <ul style="list-style-type: none"> ▪ 8 Online
Chat **	<ul style="list-style-type: none"> • 8 statements shared with public, including links to sign-in, website, etc. 	<ul style="list-style-type: none"> • 8 statements shared with public, including links to sign-in, website, etc.
Poll	<ul style="list-style-type: none"> • LRTP Poll included 3 Typeform survey questions • Mobility Hubs Poll included 3 Zoom polling questions 	<ul style="list-style-type: none"> • LRTP Poll included 2 Typeform survey questions • Mobility Hubs Poll included 3 Zoom polling questions • OC Loop Poll included 1 Zoom polling question
Stakeholder Contacts	<ul style="list-style-type: none"> • 9 New contact emails 	<ul style="list-style-type: none"> • 2 New contact emails

DETAILS	ROUNDTABLE 1	ROUNDTABLE 2
Community Leader Attendees	<ul style="list-style-type: none"> • Alex Kim, California State Assemblywoman Cottie Petrie-Norris, District Director • Becky Nguyen, Vietnamese American Cancer Foundation • Doug Mckay, OC United Way • Elva Rubalcava, CSUF • Linda Nguyen • Paul Hoang, Moving Forward Psychological Institute • Reuben Franco, OC Hispanic Chamber of Commerce • Robin Rockey, RockSpark Communications • Tanya Salcido, Latina Geeks • Tracy Pham 	<ul style="list-style-type: none"> • Ali Edwards, OC Human Relations Council • Laarni Rosca Dacanay, PBS SoCal KCET Community Advisory Board and Asian Pacific Islander Community Council • Lala Castro, Latina Geeks • Mario Ortega, Abrazar Westminster & Midway City • Melanie Scholetterbeck, Friends of Harbors, Beaches, and Parks • Tammy Tran, Public Affairs SCE and Diverse Community Advocate • Teresa Mercado, Santa Ana College

II. WELCOME & PRESENTATION

A. Welcome/Introductions

Two meetings were held to engage community leaders in the Long Range Transportation Plan (LRTP) process, and the Mobility Hubs Study. The OCTA team also provided a brief update on the Bikeways Gap Closure Study. Alice Rogan welcomed the group, introduced the team and spoke about the importance of the LRTP and Mobility Hubs studies. Ted Nguyen then welcomed participants, led introductions and shared the importance of their role as community leaders in the planning process.

B. Presentation

Project team members for LRTP, Mobility Hubs and the Bikeways Gap Closure Study presented on their respective project. Each team provided an overview of the project and an update on the outreach conducted to date. A survey poll and question and answer session followed each project presentation. Participants were encouraged to provide comments and ask questions about the projects. Below are the presenting team members.

- LRTP – Greg Nord, Marissa Espino and Ted Nguyen
- Mobility Hubs Study – Warren Whiteaker, Christina Pirruccello and Ted Nguyen
- Bikeways Gap Closure Study – Warren Whiteaker and Ted Nguyen (on behalf of the project team)

III. DISCUSSION

Participants were given the opportunity to provide comments and engage in discussion following each of the presentations. Participants also provided feedback and asked questions as part of the question-and-answer sessions.

A. LRTP Interactive Session

Session began with a short poll proceeded by a robust dialogue with attending community leaders led by Marissa and Ted.

a. LRTP Meeting Poll

For LRTP, a 3-question Typeform poll was introduced via an external link and QR code. Participants provided input by responding to questions related to transportation improvements and traffic congestion. Below are the questions and responses.

1. Please rank the following transportation improvements in order of importance.

Based upon 17 poll respondents, here are the following improvement priorities:

1. Pothole repairs, signal synchronization, and intersection improvements.
2. Bus, streetcar, light rail, shuttle, trolley, vanpool, and other transit services.
3. Freeway maintenance, on- and off-ramp enhancements, and projects to improve overall traffic flow.
4. Bike lanes, bikeway and sidewalk networks, and pedestrian pathways.
5. Enhanced infrastructure to accommodate autonomous, driverless vehicles.

2. Select your two strategies to help decrease traffic congestion and reduce how much people need to drive in the future.

Based upon 16 poll respondents, there was a tie between the top three selections:

- 38% Encourage policies to allow employees to work from home at least one day per week, whenever possible.
- 38% Offer transit riders access to shuttles, shared bikes/scooters, and rideshare services at transit stations to get to their final destination (i.e. mobility hubs).
- 38% Create a network of light rail streetcars serving key destinations and activity centers.

3. Which transit improvements do you think could help relieve congestion the most in orange county? (select top three)

Based upon 9 poll respondents, there was a two-way tie for the top transportation improvement (56%) and a three-way tie for the second most important improvement (44%).

- 56% Create local community shuttle services that get people to and around major activity centers.
- 56% Enhance local bus service in areas with high ridership potential.
- 44% Create on-demand shared ride services (Uber/Lyft/Microtransit).
- 44% Provide flexible shuttle services that can move away or deviate from set routes during less busy travel times.
- 44% Provide transit only lanes with high quality services (e.g. light rail or bus rapid transit) to connect activity centers through high traffic areas.

a. LRTP Comment Session

Following the LRTP poll, participants were called upon by Ted Nguyen and asked to provide comments based on their individual responses to the survey. Participants provided comments and insight on topics related to the survey questions. Below is a summary of the comments received:

i. Comment Themes

- Strong support expressed for continued focus on equity, diversity and inclusion in order to increase transit access and improvements for those most in need, namely disadvantaged communities, such as those with disabilities, language barriers as well as those without reliable transportation of their own.
- Support offered to maintain and foster relationships with and cross-promote local non-profits, agencies and others that work on behalf of underserved communities to improve engagement, with one even suggesting including alternative shuttle services in survey questions as they are a viable solution for many.
- Interest expressed for ongoing consideration for issues relating to sustainability and solutions that benefit users and the whole of the community.
- Support shared for continued focus on reliable bus and shuttle service, with calls to expand.
- Concerns raised for issues of safety and inaccessible cost of ridesharing.
- Concern expressed for transit fares and interest for policy solutions for low-income individuals, with specific praise for youth and student pass programs.
- Both concern and support received regarding freeway maintenance and routine street repairs, specifically potholes.

ii. Comment Summary

1. Laarni Rosca

- For the poll, selected potholes and Amtrak/Metrolink service.
- She commutes daily between Orange and Los Angeles County and values connection/transit points. Would like to see better transit connections between Orange County and LA County.
- Supports more partnership between public transit agencies to provide greater access.
 - For example, offering a single ride from Downtown LA and points of interest in Orange County.
- Represents Asian Pacific Islander community and appreciates/supports diversity equity, inclusion initiatives. Supports more outreach, especially in-language outreach and values the importance of providing transportation to diverse communities. This is important for no vehicle or one vehicle households.

2. Mario Ortega

- Microtransit services and rideshare services like Uber and Lyft were widely mentioned in the survey, however non-profit organizations including Abrazar and Age Well currently provide transportation services to seniors. Suggests also including these and other transit service providers in future services as they currently account for over 18% senior medical appointment trips.
- Does not believe monolingual Spanish and Vietnamese speaking population, seniors and recently arrived refugees will use services like Uber/Lyft to travel. They typically turn to non-profit who provide and/or connect diverse communities to the services they need. It will be important to bring these non-profits to address transportation needs.
- Also suggest working with trusted partners to reach diverse communities. Suggest capitalizing on partnership efforts formed during the pandemic to better serve these communities

3. Tammy Tran

- Top poll selection was modifying streets to provide all modes of transit services and offering transit rider options.
- Appreciates the inclusion of climate risk (extreme weather and wildfires) in the plan as they do impact transportation infrastructure. Supports incentives for electric vehicles.
- Based on personal experience believes there is less demand on cars among multigenerational Asian households; individuals need a car but perhaps not full-time.
- Public transportation cost is a factor as low-income communities struggle to meet basic needs. How is the cost of transportation shared? What subsidies can be increased to help those who cannot afford a vehicle and want to take transit?
- Suggested working with trusted community partners to better reach diverse communities. This includes these formal and informal communications – newsletters, social media, in-person, word of mouth, promotional materials, in-person community outreach is still very important.

4. Alisson Edwards

- Poll response included modifying streets to provide all modes of transit services.
- While she lives a few miles from work, finds it difficult to use public transit or to use a bike. The infrastructure to safely ride bicycles is not in place. Expressed reluctance to use a bicycle with her kids because of safety.
- As an individual, would like to make more sustainable choices, but it is not convenient at the moment.
- Works with non-profits who serve diverse communities. These non-profits selected their headquarters with easy access to transit in mind.
- To attract non-traditional riders, it will require public transit to be more accessible and conveniently located.
- Transportation is a struggle for you and expressed support for OCTA program offering youth and student free bus passes.

5. Melanie Schlotterbeck

- Works with a suite of organizations focusing on sustainability, land use and transportation.
- Poll selections included modifying streets to accommodate all forms of transportation.
- Supportive of sustainable transportation solutions that address equity and climate change.
- Orange County is job rich, and we need to consider local impacts of land use decision by other counties, especially the Inland Empire. Impacts such as traffic and fee-based programs.
- Supports a hub system or more transit points that allows people to choose a mode of transportation. However, recommends ensuring that these connection points provide adequate shelter.
- Exceedingly impressed by OCTA's response to the pandemic promoting staff and customer safety. The nimbleness that the agency embraced during the pandemic should be included in future LRTPs.
- Encouraged OCTA to be inclusive of ADA needs beyond wheelchairs. This also includes the accessibility of information online and on social media. Suggested connecting with the Dayle McIntosh Center for ideas on suggested improvements.

6. Karen Phan

- Increasing transit reliability and providing more direct routes would increase ridership and decrease reliability on vehicles.

7. Teresa Mercado-Cota

- Echoed the importance of in-language outreach to reach diverse communities.
- Supports promoting the use of the bus system
- Encourages OCTA to continue gathering diverse community groups (Diversity Council and Community Leaders roundtable) and expand that concept at the Board and management levels)
- Also, encourages OCTA to promote all of its partners and sees it as a win-win for all parties.
- Expressed concern for "No Mask, No Ride" campaign as it can be perceived as too negative.

8. Ruben Franco

- Expressed preference for freeway maintenance, particularly on the I-5 and I-405 freeways.
- Buses are important because they alleviate traffic on freeways and surface streets
- Pothole repairs because of car maintenance
- Bike lanes and bikeways are also important in residential areas.

9. Becky Nguyen

- Expressed preference for freeway maintenance and pothole repair for communities that drive on surface streets.
- How are those with technological challenges able to participate in the webinars?
 - How do you outreach to people that are not technologically involved? What in-person events are you hosting?

10. Tanya Salcido

- Expressed concerned for the cost of rideshare services. Light rail cars and access to shuttles can help women in the community travel safely.
- Recognized that where you live influences you transit priorities.

11. Linda Nguyen

- Supports policies allowing employees to work from home.
- Telecommuting can greatly decrease congestion.

12. Paul Hoang

- Preference for a streetcar network. A common theme for seniors is a lack of access to transportation and a network of streetcars where seniors can hop on and off would be beneficial. This is important as the senior population will continue to increase.
- Ridesharing cost is an issue for seniors. A program like OC Flex would help the senior population.
- Parking in high density areas is an issue, more access to transit should help congestion

10 Robin Rockey

- Preference for mobility hubs, specifically for community centered mobility hubs.
- Address the high cost of ridesharing by looking at pilot programs that provide subsidies for transit riders.
- Expressed preference for microtransit and local community shuttle services to overcome the first-last mile challenge.

11 Alex Kim

- Preference for on-demand shuttle services to reduce dependency on ridesharing and offset the cost.
 - OC Flex should be expanded in other areas.
 - Communities in Garden Grove, Santa Ana Westminster have a high number of multifamily units with limited parking. These communities would benefit from on demand rideshare services.

12 Tracy Pham

- Preference for expanding bus services to alleviate the need for more cars on the road.
- Expresses concern for safety of seniors when taking the bus and suggest improvements of infrastructure around bus stops.
- The biggest challenge is first-last mile connections.
- Preference for remote work options to ease congestion.
- Recognizes individual circumstances will dictate public input.

13 Elva Rubalcava

- Expressed preference for bus, shuttle and share ride services.
- Support for OCTA’s free bus program for students.

14 Doug McKay

- Expressed preference to improving bus services for students, including adding amenities such as Wi-Fi and comfortable seating.
- Suggested audio component for app to support people with disabilities.

B. Mobility Hubs Interactive Session

Session began with a short poll proceeded by a robust dialogue with attending community leaders led by Christina and Ted.

a. Mobility Hubs Poll

Following the LRTP presentation and comment session, a 3-question interactive Zoom poll was introduced. Below is a summary of the responses:

1. Select the top two services that you would like offered at Mobility Hubs.

Based upon 14 poll respondents, here are the following service preferences:

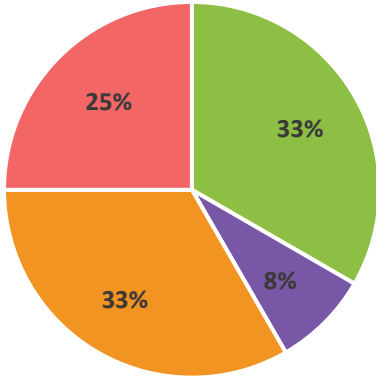
- | | |
|---|------------|
| 1. On-demand shuttle services (OC Flex) | 66% |
| 2. Bike/e-bike share | 42% |

* Question was presented as two questions: select first preference and select second preference from options.

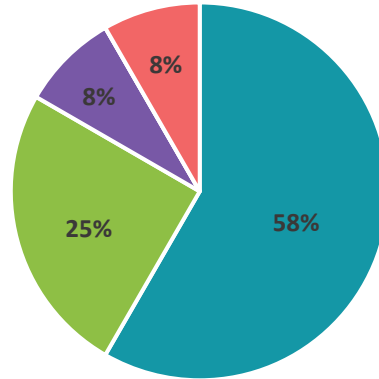
2. How important are the following amenities at Mobility Hubs?

Very Important Somewhat Important Neutral Not Very Important Not Important

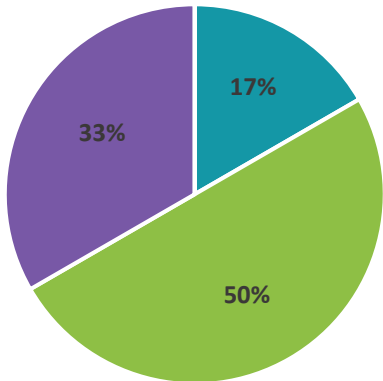
Storage lockers for luggage or package delivery Percent



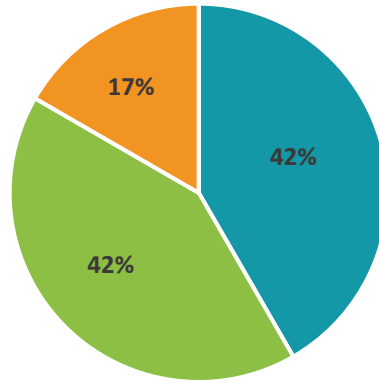
Secure bicycle parking



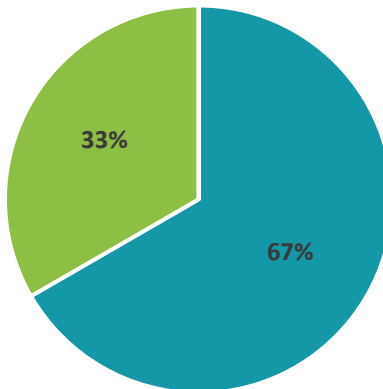
Bicycle repair stand/station



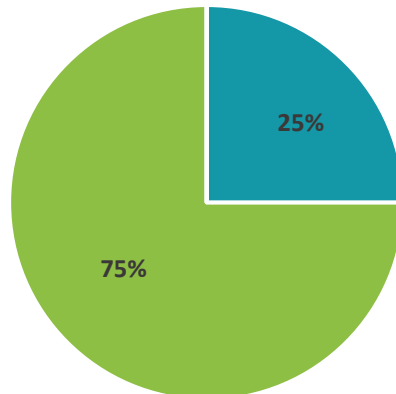
Availability of staff at the transit station



Bathrooms

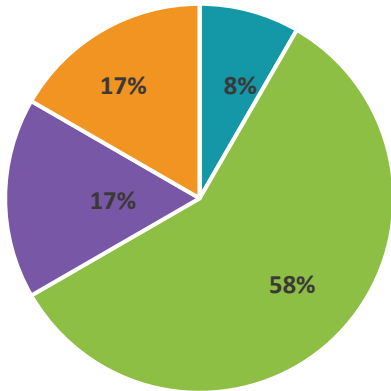


Seating and open space

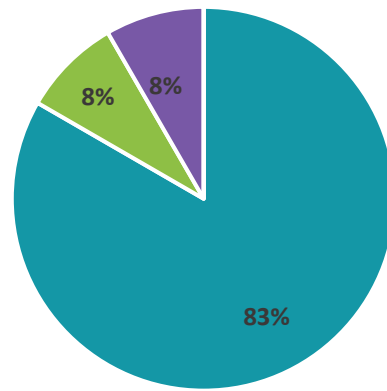




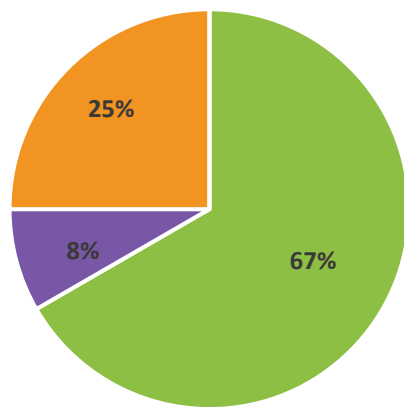
Dining options (food trucks/carts, vending machines)



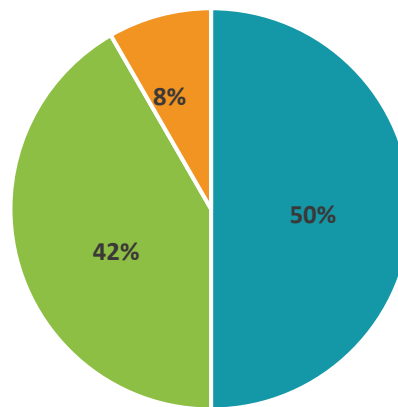
Security features (cameras, lighting, etc.)



ATM machines



USB charging stations



3. Select the Top Two Preferred Locations for Mobility Hubs

Based upon 12 poll respondents, here are the following location preferences:

1. At major visitor destinations (amusement parks, shopping malls, beaches, etc.) **58%**
2. Near residential areas **42%**

* Question was presented as two questions: select first preference and select second preference from options.

b. Mobility Hubs Comment Session

Following the Mobility Hubs polling session, Ted Nguyen, led the question answer session. Participants provided comments and insight on topics related to the survey questions. Below is a summary of the comments provided:

i. Comment Themes

- Curiosity and favorable reception of Mobility Hubs to address equity in accessing all modes of transportation, specifically, bus, rideshare, e-bikes and scooters, etc.
- Requests shared to locate mobility hubs in frequently traveled areas, such as local shopping centers, residential areas and beaches, to best serve seniors, youth and others with limited access to personal vehicles, as well as to consider relocating bus stops in the process.
- Support expressed for equity, diversity and inclusive public engagement to better assess the needs of the public, including non-digital methods, such as community events.
- Interest expressed in favor of staffed Mobility Hubs, preferably with bi-lingual individuals that match the cultural identity of the location's community, and a focus on amenities, namely bathrooms and directional signage in multi-lingual formats.

ii. Comment Summary

1. Mario Ortega

- What is OCTA doing to reach those who don't have access to cell phones or technology?

2. Tammy Tran

- Bathrooms and staffing are the most important amenities at Mobility Hubs
 - Having a live person to answer questions can make people feel comfortable.

3. Alisson Edwards

- Selected e-bikes and scooters as her top choice. Families like having the flexibility and access to these types of facilities.
 - People will use these facilities if they are readily available.

4. Melanie Schlotterbeck

- Selected car and rideshare as her top choice at future mobility hubs. Distances can be a factor when traveling by bicycle.
- Mobility hubs should be located at shopping centers because this is where the majority of travel happens.
- Mobility Hubs should also be at residential areas to address the changes in housing.

5. Ruben Franco

- Mobility hubs should be convenient for people with limited access to cars.
- Strategy of bus stop placement would make a difference in the use of public transit.

6. Becky Nguyen

- Expressed a preference for mobility hubs to be at residential areas, specifically where there is a large population of seniors.

7. Paul Hoang

- Preference for mobility hubs around residential areas.
 - High density and senior residential areas would benefit the most from mobility hubs.
- What is OCTA doing to reach out to communities in-person?
 - Would like to see more in-person events to reach communities that are technologically disadvantaged.
- Are there any plans to focus on the human aspect, for instance staffing? It is important to have bilingual, bicultural staff and to match driver language expertise with the communities they serve.
- Would like to see more bilingual signage on buses that travel in ethnically diverse communities.

8. Robin Rockey

- Preference for mobility hubs at key destinations/tourist areas, including beaches, which will attract the younger population.

9. Tracy Pham

- Expressed concern for better placement of bus stops.

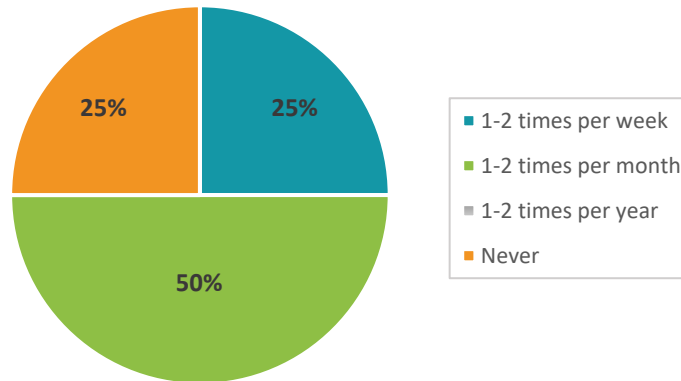
C. OC Loop Interactive Session

Session began with a short poll proceeded by a dialogue with attending community leaders led by Warren and Ted.

a. OC Loop Poll

Following the Mobility Hubs presentation and comment session, a single interactive Zoom poll was introduced during the second Community Leaders Roundtable. A total of 4 participants took part in the poll. Below is a summary of the comments and responses received on the poll.

1. How frequently do you bike ride?



b. OC Loop Comments

Following a small poll, participants were given the opportunity to provide comments based on their responses to the survey. One participant provided comments on the topic via the chat function.

1. Alisson Edwards

- Approval for Class I and IV bike lanes. These types of bikeways are safer and better suited for driver and bikers alike.
 - These bike lanes can also provide peace of mind parents when biking with children.



Long Range Transportation Plan & Mobility Hubs Study

October 14 and 21, 2021





How to Participate

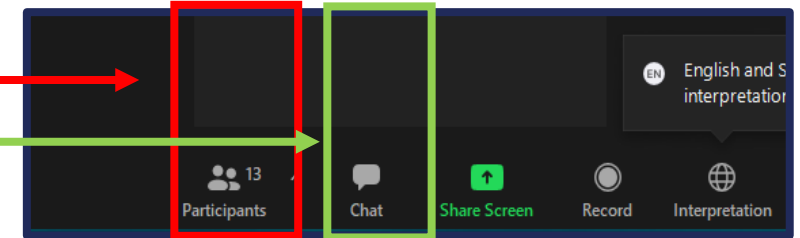
Today's meeting is being recorded.

You may submit multiple comments/questions, as needed:



Via web

- Click Participants > “raise hand”
- Click the “chat” function
- Include contact information:
Name and organization (if any)
- When announced, unmute your audio, you can then ask you question (s)
- You will be re-muted once you complete your comment (s)



Via the phone (calling in):

- Press “*9” on your keypad to “raise hand”
- You will be announced by the last four digits of your phone number
- Press “*6” to unmute your audio
- You will be re-muted once you complete your comment (s)



Today's Agenda

- Welcome and Introductions
- Long Range Transportation Plan
 - Project Overview
 - Question & Answer Session
 - Stay Connected
- Mobility Hubs Study
 - Project Overview
 - Question & Answer Session
 - Stay Connected
- Bikeways Gap Closure Study Update
- Raffle





DIRECTIONS 2045

LONG RANGE TRANSPORTATION PLAN

Community Leaders Roundtable

October 14, 2021

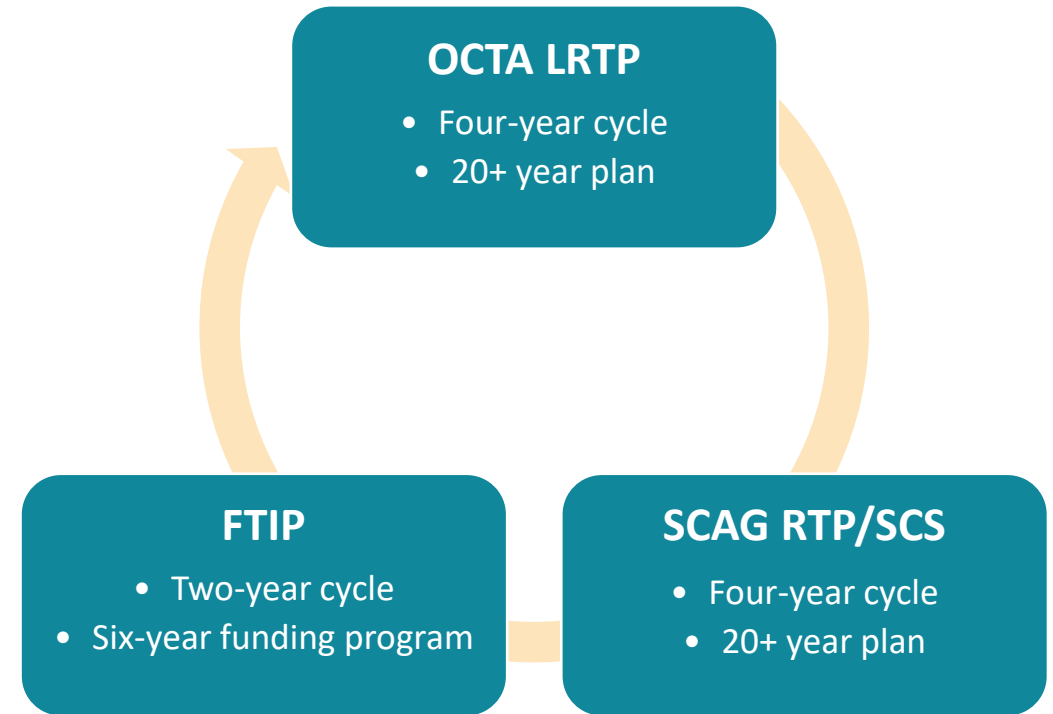
Sustainable, equitable, and innovative transportation solutions.





Long Range Transportation Plan

- OCTA's LRTP serves to:
 - Evaluate current plans and policies
 - Identify new initiatives and priorities
 - Define projects in the RTP
- Must consider:
 - Stakeholder input
 - Revenue forecasts
 - Current commitments
 - Population/employment forecasts
 - Key challenges



LRTP – Long Range Transportation Plan
OCTA – Orange County Transportation Authority
RTP – Regional Transportation Plan
FTIP – Federal Transportation Improvement Program
SCAG – Southern California Association of Governments
SCS – Sustainable Communities Strategy



Current Commitments

OCTA core functions:

Delivery of Measure M2 (OC Go)



- A total of 2% of the overall OC Go Program funds is allocated to the Environmental Cleanup Program.
- A total of 5% of OC Go Freeway Program funds is allocated to the Freeway Environmental Mitigation Program.

Provide Public Transit





Demographic Growth (2019-2045)

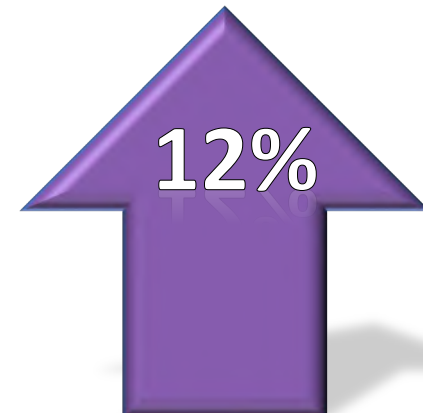
	Population	Housing	Employment
2019	3,250,357	1,057,355	1,760,986
2045	3,534,620	1,154,416	1,980,433
Total Change	+284,263	+97,061	+219,447



Population



Housing



Employment



Key Challenges

- Growing travel demand and limited land
- Evolving travel trends
- Increasing climate-related risks
- Changing funding outlook
- Diversity, Equity, and Inclusion



Diversity, Equity, & Inclusion Considerations

Defining Communities (example for discussion)

- Top X% of communities that rank highest in OC for:
 - Lower Income households
 - Diverse population households
 - Households without vehicles
 - Non-English-speaking households

Measuring Equity (example for discussion)

- Access to transit
- Access to jobs
- Access to other key destinations
- Average travel time



Draft Goals and Objectives

Deliver on Commitments

- Prioritize M2 commitments consistent with the Next 10 Delivery Plan
- Provide safe and reliable transit services

Improve System Performance

- Improve efficiency of transit, highways, and roadways
- Leverage emerging technologies and services

Expand System Choices

- Support options to single-occupant vehicle trips
- Improve equitable access to key destinations
- Enhance connectivity between travel modes

Support Sustainability

- Identify strategies to address climate-related risks
- Explore opportunities to improve financial sustainability
- Deliver a financially constrained LRTP



Next Steps

Fall 2021/Winter 2022

- Develop financial forecast
- Alternatives development & analysis

Spring 2022

- Prepare the Draft LRTP

Summer/Fall 2022

- Public review period

Fall 2022

- Final LRTP



Public Engagement

- Public Outreach in Fall 2021
 - Online survey
 - Public webinar
 - CL roundtables
 - Digital media
 - Helpline
 - Multilingual outreach
 - Communications toolkit
- Today
 - We want to hear from you!

DIRECTIONS 2045
LONG RANGE TRANSPORTATION PLAN
Sustainable, equitable, and innovative transportation solutions.

TRANSPORTATION CHALLENGES & OPPORTUNITIES
The Long Range Transportation Plan (LRTP) is a blueprint for transportation improvements in Orange County over the next 20 years.
Below are some of the transportation challenges and opportunities identified from the 2019 LRTP.

GROWING TRAVEL DEMAND & LIMITED LAND
As population, housing and employment grows, so do daily trips and congestion.
Housing and mobility solutions are limited by land availability, and potential economic impacts.

EVOLVING TRAVEL TRENDS
Long-term projections of 2040-45.

INCREASING CLIMATE RELATED RISKS
Orange County residents and businesses are impacted by high heat, wildfires, drought, coastal flooding and inland flooding.
State and regional plans and policies include strategies to meet California's greenhouse gas emissions reduction goals.
The state is facing more than \$1 billion in budget cuts to reduce greenhouse gas emissions.

DIVERSITY, EQUITY & INCLUSION
Historically, disadvantaged populations have historically been disproportionately burdened by transportation inequities that have limited access to transportation services.
Policies and practices must be developed to address these inequities.

OCTA
Sponsored · 🌐

OCTA wants to hear from you! Help shape the future of OC's transportation system and set a direction forward by taking a short survey at [LRTP-Survey.com](https://www.l RTP-Survey.com). Be... See More

DIRECTIONS 2045
LONG RANGE TRANSPORTATION PLAN
Sustainable, equitable, and innovative transportation solutions.

We want your input
Take our survey and attend

[WWW.LRTP-SURVEY.COM](https://www.l RTP-Survey.com)
Take our survey on transp

11
Like

Community Leaders Roundtable

You're invited to help influence the future of transportation in Orange County

As a key leader in the community, you are invited to represent your organization as a roundtable participant to provide your unique guidance and feedback on how to improve the future of transportation in Orange County. The Orange County Transportation Authority (OCTA) is conducting two important studies this fall, and we want to hear from you and your communities.



Community Leaders Input

- Typeform
 - Link to survey will be dropped in the chat
 - 3 Question Survey



Welcome to the OCTA Long Range Transportation Plan (LRTP) Community Leaders Poll

The LRTP is a blueprint for transportation improvements in Orange County over the next 20+ years. Your input will help to develop a vision for OC's transportation system as well as identify goals and priorities.



Question & Answer Session

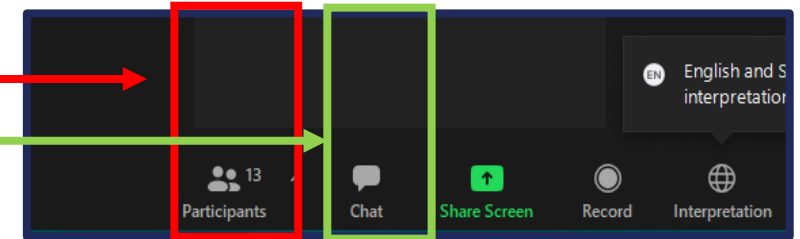
Today's meeting is being recorded.

You may submit multiple comments/questions, as needed:



Via web

- Click Participants > **“raise hand”**
- Click the **“chat”** function
- Include contact information:
Name and organization (if any)
- When announced, unmute your audio, you can then ask you question (s)
- You will be re-muted once you complete your comment (s)



Via the phone (calling in):

- Press **“*9”** on your keypad to **“raise hand”**
- You will be announced by the last four digits of your phone number
- Press **“*6”** to unmute your audio
- You will be re-muted once you complete your comment (s)



Stay Connected

- www.octa.net/LRTP
- Online Survey: LRTP-Survey.com
- Helpline: (800) 501-9266

Marissa Espino

Principal Community Relations Specialist

Mespino@octa.net

Greg Nord

LRTP Project Manager

Gnord@octa.net

**DIRECTIONS 2045**
LONG RANGE TRANSPORTATION PLAN
Sustainable, equitable, and innovative transportation solutions.

Save the date to join us for
a community webinar on
Tuesday, October 19 at 5:30 p.m.

[CLICK HERE](#) to attend.





THANK YOU

DIRECTIONS 2045 LONG RANGE TRANSPORTATION PLAN





ORANGE COUNTY
Mobility Hubs Study

Customizing Mobility for Local Communities

Mobility Hubs Community Leaders Meeting
October 14, 2021



Overview



Why?

- OCTA is tasked with creating a transit system that is responsive to changing user needs and regional demands.
- This *Mobility Hubs Strategy* aims to address the existing and anticipated future demands within OC.

Milestones

- Project Completion: Spring 2022
- Public Engagement and Webinar: Fall 2021



What?

- Strategic alignment to local context
 - 2018 OC Transit Vision
 - 2022 Long Range Transportation Plan
- Engage with stakeholders and communities
- Develop a network plan as well as conceptual mobility hub designs at priority locations
- Deliver a Mobility Hubs Strategy

www.octa.net/OCMobilityHubs



What are Mobility Hubs?

Mobility Hubs

Mobility hub services will be customized based on the needs of the community it serves

SUSTAINABILITY

Encourage use of sustainable/ zero emissions modes



LIVABILITY

Create a sense of community



TRANSIT SUPPORT

Improve first/last mile connections



EQUITY

Improve access for those with limited choices

What could be the main benefits?

This strategy will explore how Mobility Hubs may:



Equity: Support a more equitable transport system



Transit support: Enhance the public transit experience, improve first and last/mile connectivity to transit (e.g., via shared mobility)



Sustainability: Reduce cars dependency and encourage use of sustainable/zero emissions modes



Livability: Ensure safe and secure trips while creating a sense of community



Main Components

A Mobility Hub is clearly identified with...

- Branding and information
- Co-location of public transit & shared mobility
- Safe and secure parking or/and drop-zones
- A place for everybody (good lighting, visibility, accessibility and safety)

The type and number of components vary depending on...

- Location and land use
- Local mobility services available
- Local needs



Mobility Hubs – Examples

Mobility Hubs...

... are places of connectivity where different modes of travel seamlessly converge



San Diego, Mobility Hub



Berlin, Jelbi Station



Mobility Hubs – Examples

Mobility Hubs...

.. provide a focal point in the transportation network that seamlessly integrates different modes of transportation



Los Angeles, Wilshire Grand new mobility hub



San Francisco, Caltrain SF Mobility Hub



Mobility Hubs – Examples

Mobility Hubs...

... are part of a physical/ digital/ policy framework to connect all modes of mobility to encourage multimodal travel.



Tranzito Mobi kiosks



Minneapolis, Mobility Hubs





Outreach To-date

- Electronic Notices
- Social Media Advertisements
- MMS/SMS Texting Campaign
- Newspaper Advertisements
- OCTA Website & Social Media Platforms
- Community Based Organization Efforts
- Community Survey



ORANGE COUNTY
Mobility Hubs Study
Customizing Mobility for Local Communities

Save the date to join us for a community webinar on
Thursday, October 7 at 5:30 p.m.

*Reserve la fecha para acompañarnos en un seminario web de la comunidad **Jueves, 7 de octubre a las 5:30 p.m.***

Đánh dấu ngày để tham gia cuộc họp trực tuyến cộng đồng với chúng tôi vào **Thứ Năm, ngày 7 tháng 10 lúc 5:30 chiều**

www.octa.net/OCMobilityHubs



Community Leaders Input

Share your opinion...

- Zoom Poll – 3 questions





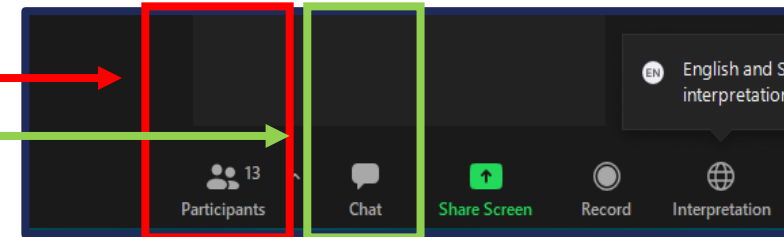
Question & Answer Session

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- Press **"*6"** to unmute your audio
- You will be re-muted once you complete your comments (s)





Stay Connected

Ways to provide further comments and/or questions:

- www.octa.net/OCMobilityHubs
- Christina Pirruccello
 - Community Relations Specialist
 - cpirruccello@octa.net
- Warren Whiteaker
 - Principal Transportation Analyst
 - wwhiteaker@octa.net

Milestones

- Project Completion: Spring 2022
- Public Engagement and Webinar: Fall 2021





THANK YOU

ORANGE COUNTY MOBILITY HUBS STUDY



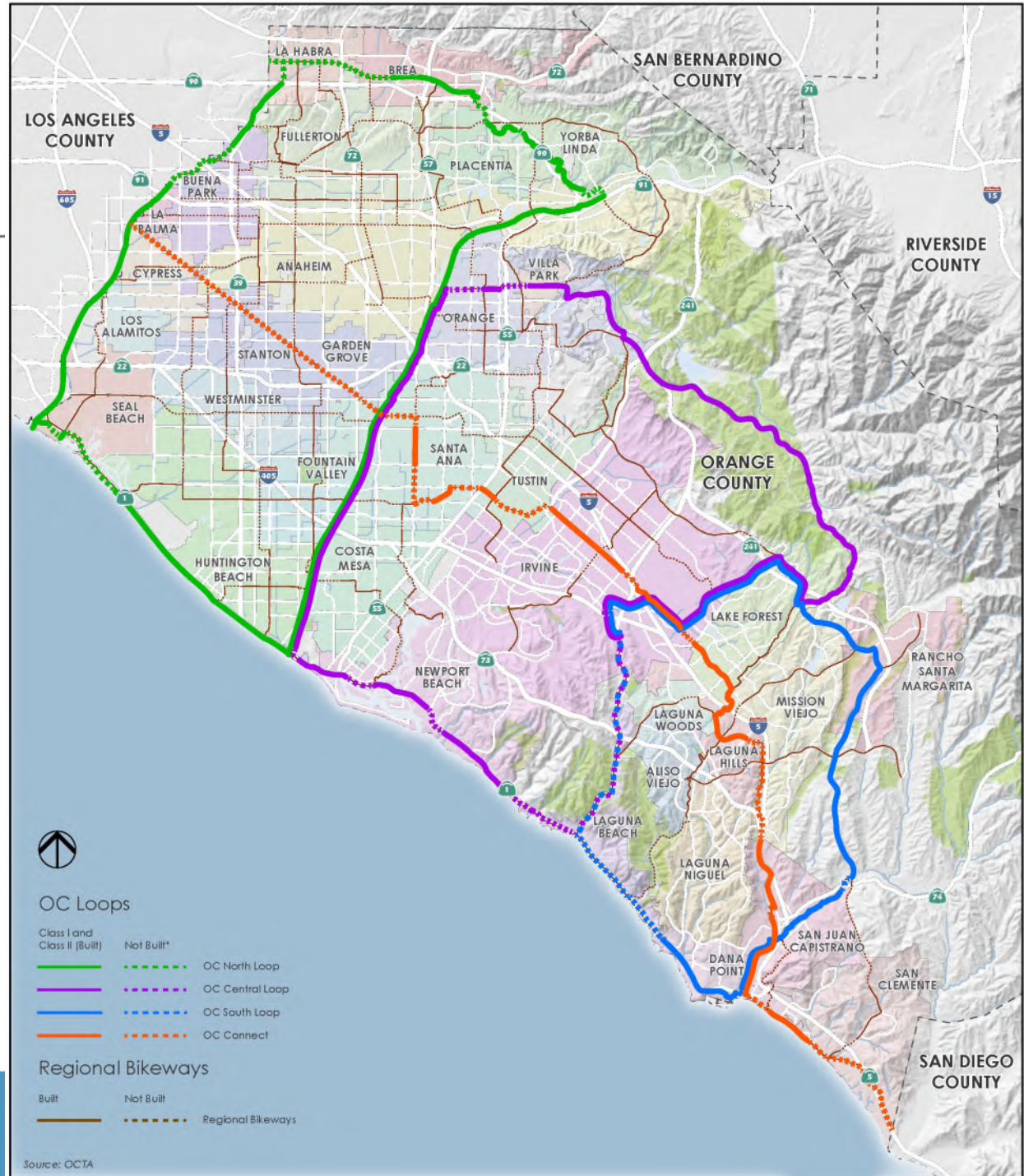


Bikeways Gap Closure Study

- Refine Naming from “OC Loop” to: “OC Loops”



- Establish Partnerships with Community Organizations
- Engage Disadvantaged Communities





Raffle

Thank you for participating!



OCTA LRTP

Community Leaders Roundtable Meeting

Meeting Program and Staff Assignments

Thursday, October 21, 10:30am – 12:00pm

1. Zoom Details

Team check-in: 10:00 AM for audio and microphone check and final questions. **NO UNIQUE PANELIST LINK NEEDED**

Meeting	Date/Time	Zoom Details
Meeting #1	Thurs., Oct. 21, 2021 10:30 – 12:00 PM Meeting time: 10:30am – 12:00 PM Debrief - Teams Link: 12:00-12:30PM	Meeting Link: https://bit.ly/3u1POdO Meeting ID: 838 5453 1603 Passcode: 5851 Call-in: (213) 338-8477

Important Notes for Staff

- **Rename yourself** to show your name and organization (or title).
- Keep your **microphone muted** unless you are presenting.
- **Turn off your cameras** unless you are presenting (multiple cameras can be on during Q&A and comment period).
- **While presenting**, speak directly into your laptop/desktop.
 - Avoid turning your head away from your PC while speaking.
- **Do not use the chat function of the virtual meeting.** This function will only be utilized by outreach staff to communicate with participants. Staff are encouraged to text when communicating with each other.

Pre-meeting check list – Day of meeting

- Sound** – Check speakers and mics to ensure sound quality is clear. Turnoff any background sounds, including fans, TV's, radio, etc.
- Lighting** – Ensure enough lighting is available. Keep in mind the time of day and proximity to windows and light sources.
- Background** – Use project background.
- Avoid sharing ceiling fans, televisions, frequently used doors, or any other potentially distracting items.
- Internet connection** – Use the most stable internet source possible.
- Remove any unused devices from your network prior to logging on.
- Pro Tip:** Test your internet connection speed and capabilities at the exact time of a future scheduled meeting to ensure local internet speeds are sufficient (See Ookla Speedtest App).



2. Meeting Format & Presenters

#	Presentation Section	Format / Speakers (s)	Time	Notes
I.	A. WELCOME/INTRODUCTIONS *Panelists should have cameras ON during the intro* PPT Slide (1) <ul style="list-style-type: none"> Welcome Introductions of team Why LRTP and MH's 	<ul style="list-style-type: none"> Maria Yanez-Forgash Alice Rogan <i>(Slides 1)</i> 	(5 min.) 10:30-10:35 am	<ul style="list-style-type: none"> Maria welcomes the group and announces the wait time (1-2) minutes for attendees to join meeting Alice welcomes participants Project team introductions Share importance of LRTP & MH studies
II.	B. COMMUNITY LEADERS ROUNDTABLE OVERVIEW PPT Slides (2 & 3) <ul style="list-style-type: none"> Participant self-introductions CLR Overview Housekeeping slides Agenda 	<ul style="list-style-type: none"> Ted Nguyen <i>(Slides 2 & 3)</i> 	(5 min.) 10:35-10:40 am	<ul style="list-style-type: none"> Welcome/call on participants to begin self-introductions (name and org) Review housekeeping slides-including meeting format and how to participate Brief overview of agenda Provide overview of CL Roundtable Raffle will take place at end of meeting - \$50 gift card
III.	C. LRTP PRESENTATION / TYPEFORM SURVEY / STAY CONNECTED & THANK YOU PPT Slides (4–16) <ul style="list-style-type: none"> Overview of LRTP Typeform Survey Q&A Session Stay Connected/Thank you Typeform Link: https://survey.typeform.com/to/ng680IVV	<ul style="list-style-type: none"> Greg Nord – LRTP <i>(Slides 4-11)</i> Marissa Espino & Ted– Typeform Survey <i>(Slides 12 & 13)</i> Ted Nguyen – Q&A* & Stay Connected/Thank you <i>(Slides 14-16)</i> *Marissa, Greg & Ted - cameras ON during Q&A*	(10 min.) 10:40-10:50 am (10 min.) Polls 10:50-11:00 am (20 min.) Q&A 11:00-11:20 am	<ul style="list-style-type: none"> Greg to provide LRTP presentation Marissa will moderate Typeform survey, encourage participation, and review real-time results; Ted will support - Ted co-host? Ted will facilitate the Q&A session Participants will be directed to the Chat function or the “raise hand” function on Zoom to provide comments Call participants by name and allow them to speak

IV.	D. MOBILITY HUBS PRESENTATION & ZOOM POLLS PPT Slides (17- 26) <ul style="list-style-type: none"> Overview of Mobility Hubs Zoom Polls Q&A Session 	<ul style="list-style-type: none"> Warren Whiteaker – Mobility Hubs (<i>Slides 17-24</i>) Christina Pirruccello – run Zoom Polls (<i>Slides 25 & 26</i>) (Co-host access) Ted Nguyen – Q&A* (Co-host access) <p>*Christina, Warren & Ted - cameras ON during Q&A*</p>	(10 min.) 11:20-11:30 am (10 min.) Polls 11:30-11:40 pm (10 min.) Q&A 11:40 -11:50 pm	<ul style="list-style-type: none"> Warren will provide the Mobility Hubs presentation Christina will facilitate Zoom polls, encourage participation, and review real-time results AA will launch polls Ted will facilitate the Q&A session Participants will be directed to the Chat function or the “raise hand” function on Zoom Call participants by name and allow them to speak
	E. BIKEWAYS GAP CLOSURE STUDY / ZOOM POLL / Q&A <ul style="list-style-type: none"> Update on the study Zoom Poll Open ended question Q&A Session 	<ul style="list-style-type: none"> Warren Whiteaker Gap Closure Study presentation (<i>Slides 27 & 28</i>) Zoom Poll (<i>Slide 29</i>) Open-ended question – Warren to lead with support from Ted (<i>Slides 30 &31</i>) Ted Nguyen – Q&A* (<i>Slide 32</i>) *Warren & Ted - cameras ON during Q&A* 	(5 min.) 11:50-11:55 am	<ul style="list-style-type: none"> Warren to provide overview of Gap Closure Study Warren to lead Zoom poll question Warren to ask open ended question and Ted to support facilitation Ted to lead Q&A and allow participants to ask their own questions Push questions are available in case participants do not ask their own questions
V.	F. RAFFLE PPT Slides (32)	<ul style="list-style-type: none"> Ted Nguyen – Raffle 	(5 min.) 11:55am – 12:00pm	<ul style="list-style-type: none"> Wheel of names will be used to select the winner Raffle (LINK) Winner will be e-mailed a \$50 Amazon gift card
VI.	G. CLOSING & THANK YOU PPT Slide (32)			
VII.	H. DEBRIEF	<ul style="list-style-type: none"> All Panelists & AA Staff Members 	Post Meeting	<ul style="list-style-type: none"> Use MS Teams debrief link to join

Project Team Roles/Assignments

No	Staff Roles	Location	Assignments	Notes
OCTA				
1	Alice Rogan	Remote	Meeting Panelist, Presenter	Will be on camera
2	Warren Whiteaker	Remote	Meeting Panelist, Presenter	Will be on camera
3	Marissa Espino	Remote	Meeting Panelist, Presenter	Will be on camera
4	Ted Nguyen	Remote	Meeting Panelist, Presenter	Will be on camera
5	Greg Nord	Remote	Meeting Panelist, Presenter	Will be on camera
6	Christina Pirruccello	Remote	Meeting Panelist, Presenter	Will be on camera
AA Outreach				
7	Nancy Verduzco	AA Office/Remote	Zoom Meeting Host Controls PPT, meeting functions, Q&A, moderating	<ul style="list-style-type: none"> • Controlling participant audio during public comment session • Share screen for Typeform Survey results - LRTP • Launch Zoom Polls - MH
8	Benjamin Lopez	AA Office/Remote	Zoom Co-Host Chat monitoring, Zoom support	<ul style="list-style-type: none"> • Monitor Q&A session • Manage chat inserts • Take notes
9	Maria Yanez-Forgash	Remote	Outreach Lead	<ul style="list-style-type: none"> • Only on camera if necessary • Outreach Team Representative • Meeting Notes

3. Meeting Details

Introduction / Welcome (Alice)

- Alice will welcome all meeting participants and thank them for joining.
- Additional time (no more than 2 min.) will be allotted to ensure all participants are able to successfully join the meeting. The meeting will then commence. Meeting title slide will be displayed during waiting period.
- Alice will lead project team introductions.
- Brief overview of LRTP/MH studies and their importance
- **All presenting project team members will need to be on camera.**

Roundtable Overview (Ted)

- Reference to the meeting being recorded for note taking purposes should be clearly stated.
- Lead self-introductions – participants will be asked to provide their name and organization.
- Ted will provide a Roundtable overview. He will also review housekeeping slides, meeting format, and purpose of meeting.

LRTP Main Presentations, Zoom Polls and Q&A (Greg, Marissa and Ted)

- The main meeting presentation for LRTP will be conducted by Greg.
- The PPT presentation will be shared by outreach staff member and meeting host or co-host Nancy Verduzco/Benjamin Lopez (Arellano Associates).
- While presenting assigned slides, presenters should say “next slide” to initiate slide transitions
- Marissa will lead the Typeform survey following the LRTP presentation.
- AA will insert the Typeform link in the “chat” and will share screen with results
- Marissa will elaborate on the results in real time, **results will only be available after submitting all questions.**
- Ted will lead the Q&A discussion. Maria will assist in calling out attendees who raised their hand.

Mobility Hubs Main Presentations, Zoom Polls and Q&A (Warren, Christina and Ted)

- Warren will conduct the main meeting presentation for Mobility Hubs.
- The PPT presentation will be shared by outreach staff.
- While presenting assigned slides, presenters should say “next slide” to initiate slide transitions.
- Christina will lead the Zoom polls following the MH presentation.
- AA will launch the polls and Christina will share a summary of the results real time.
- Christina will prompt AA to close the polls.
- Ted will lead the Q&A discussion. Maria will assist in calling out attendees who raised their hand.

Bikeways Gap Closure Study Update

- Warren will present the Bikeways Gap Closure Study update

Raffle, Closing and Thank you (Ted)

- AA staff will support Ted with the raffle by displaying the wheel of names.
- Ted will follow the raffle with a closing statement and thank participants for joining the meeting.

Team Debrief (Team)

- Team members will stay on the line for team debrief

Community Leaders Roundtable

Slide 1: Cover Slide

Alice to do Welcome and staff introductions

- Good afternoon and thank you for joining us for this Community Leaders Roundtable. My name is Alice Rogan and I'm the Dir. of Marketing & Public Outreach. Our objective today is to discuss how to improve transportation in Orange County through long range transportation planning. It also will give us a chance to look at new ways to make mobility services more convenient and accessible for everyone.
- It's really great to have your participation today. Your input and the input from your community is critical to this effort. I strongly encourage you to jump in with questions and comments along the way. Our goal is to have this be a conversation and we look forward to your thoughts and questions.
- We do many things at the Orange County Transportation Authority like provide bus service, implement freeway improvement projects, and we are currently building Orange County's first modern streetcar, but today we are talking about planning for the future and we want you to be part of that conversation.
- Since we are covering multiple projects today we have several staff that will be presenting. They include Greg Nord and Warren Whiteaker from OCTA's Planning Division and Ted Nguyen, Marissa Espino and Christina Pirruccello from our Public Outreach Department.
- In a moment I will be handing off the presentation to Manager of Diversity Outreach & Inclusion Ted Nguyen who will review today's agenda and how you can participate throughout this virtual roundtable.
- As I noted before, we are here today to hear from you.
- I want to personally thank you for your time today as we look to further improve transportation in Orange County for all communities.
- And with that, I would like to turn it over to Ted.

Slide 2: How to Participate

Ted to also provide welcome, ask attendees to state their name and organization and explain how to participate.

Slide 3: Today's Agenda

Ted to review today's agenda and then handover to Greg Nord, who is the Manager for Long-Range Planning & Corridor Studies

Slides 4 to 11: LRTP Presentation

Greg will present; handover to Marissa

Slide 12 to 13: Public Engagement and Poll Qs

Marissa to present; handover to Ted

- 1) Please rank the following transportation improvements in order of importance. (1 = most important; 5 = less important)

- a) Freeway maintenance, on- and off-ramp enhancements, and projects to improve overall traffic flow
 - b) Bus, streetcar, light rail, shuttle, trolley, vanpool, and other transit services
 - c) Pothole repairs, signal synchronization, and intersection improvements
 - d) Bike lanes, bikeway and sidewalk networks, and pedestrian pathways
 - e) Enhanced infrastructure to accommodate autonomous, driverless vehicles
- 2) Select your top **two** strategies to help decrease traffic congestion and reduce how much people need to drive in the future. (*Select Top Two*)
- a) Encourage carpooling, vanpooling, and ridesharing
 - b) Improve bike lanes, sidewalks, and pedestrian safety, etc.
 - c) Modify streets to safely accommodate all forms of transportation (driving, transit, walking, bicycling, etc.)
 - d) Create a network of light rail streetcars serving key destinations and activity centers
 - e) Encourage policies to allow employees to work from home at least one day per week, whenever possible
 - f) Improve and expand commuter rail services including Metrolink and Amtrak
 - g) Improve and expand bus services
 - h) Offer transit riders access to shuttles, shared bikes/scooters, and rideshare services at transit stations to get to their final destination (i.e. mobility hubs)

Slide 14: Q&A

Ted to facilitate Q&A

Push questions:

-What do you think would encourage greater use of transit in Orange County?

-OCTA is looking to improve and introduce more technology into transportation. What do you think we should focus on? (like e-bikes, rideshare, synchronized traffic signals, etc.)

-Greg touched on how the LRTP will be including Diversity, Equity and Inclusion considerations. What kind of characteristics should we look for to identify vulnerable communities? [we can refer back to slide 9]

-Do you have any ideas on how to get people to drive less? (reduce the cost of transit passes and tickets to encourage more transit use, tolling, encourage policies to allow employees to work from home at least one day per week, etc.)

Slide 15-16: Stay Connected/Thank you

Ted to cover this slide. Suggested talking points:

- You can learn more about the LRTP by visiting octa.net/LRTP
- There, you will be able to take the online survey which is offered in English, Spanish and Vietnamese
- As a reminder, we have a helpline for those who have questions and may prefer to leave a comment over the phone instead of online.
- We have also provided the contact information for both Greg and Marissa. This PPT will be shared after today's meeting so you will have all of this information at your fingertips.

- I will now hand it over to Principal Transportation Analyst Warren Whiteaker, who will present our OC Mobility Hubs Study.

Slides 17 to 21: MH Presentation

Warren to present; handover to Christina

Slide 22 to 23: Public Engagement and Poll Qs

Christina to present; handover to Ted

Poll #1: Mobility Hub Services

1. Select the #1 service that you would like offered at Mobility Hubs?

- a) On-demand shuttle services (OC Flex)
- b) Delivery/parcel lockers
- c) Rideshare (Uber/Lyft)
- d) Bike/e-bike share
- e) E-scooter share
- f) Carsharing (Zipcar, Getaround)
- g) Other (type answer in the Q&A)

2. Select the number two service that you would like offered at Mobility Hubs?

- a) On-demand shuttle services (OC Flex)
- b) Delivery/parcel lockers
- c) Rideshare (Uber/Lyft)
- d) Bike/e-bike share
- e) E-scooter share
- f) Carsharing (Zipcar, Getaround)
- g) Other (type answer in the Q&A)

Poll #2: How important are...

1. Storage lockers for luggage or package delivery

1 – Not important; 2 – Not very important; 3 – Neutral; 4 – Somewhat important; 5 – Very important

2. Secure bicycle parking

1 – Not important; 2 – Not very important; 3 – Neutral; 4 – Somewhat important; 5 – Very important

3. Bicycle repair stand/station

1 – Not important; 2 – Not very important; 3 – Neutral; 4 – Somewhat important; 5 – Very important

4. Availability of staff at the transit station

1 – Not important; 2 – Not very important; 3 – Neutral; 4 – Somewhat important; 5 – Very important

5. Bathrooms

1 – Not important; 2 – Not very important; 3 – Neutral; 4 – Somewhat important; 5 – Very important

6. Seating and open space

1 – Not important; 2 – Not very important; 3 – Neutral; 4 – Somewhat important; 5 – Very important

7. Dining options (food trucks/carts, vending machines)

1 – Not important; 2 – Not very important; 3 – Neutral; 4 – Somewhat important; 5 – Very important

8. Security features (cameras, lighting, etc.)

1 – Not important; 2 – Not very important; 3 – Neutral; 4 – Somewhat important; 5 – Very important

9. ATM machines

1 – Not important; 2 – Not very important; 3 – Neutral; 4 – Somewhat important; 5 – Very important

10. USB charging stations

1 – Not important; 2 – Not very important; 3 – Neutral; 4 – Somewhat important; 5 – Very important

Poll #3: Preferred Locations for Mobility Hubs

1. What is your #1 preferred location for where Mobility Hubs should be placed in Orange County?

- a) At employment centers
- b) Near residential areas
- c) Educational Facilities (universities, colleges, etc.)
- d) At bus stations/stops
- e) At neighborhood shopping centers
- f) At rail stations/stops
- g) At major visitor destinations (amusement parks, shopping malls, beaches, etc.)
- h) Other (type answer in the Q&A)

2. What is your second preferred location for where Mobility Hubs should be placed in Orange County?

- a) At employment centers
- b) Near residential areas
- c) Educational Facilities (universities, colleges, etc.)
- d) At bus stations/stops
- e) At neighborhood shopping centers
- f) At rail stations/stops
- g) At major visitor destinations (amusement parks, shopping malls, beaches, etc.)
- h) Other (type answer in the Q&A)

Slide 24: Q&A

Ted to facilitate Q&A; handover to Warren

Push Questions:

-What would encourage you to use a mobility hub?

-Where would you like to see the mobility hubs located in OC?

-Is there anything else you would like to share about Mobility Hubs?

-How do you travel around the OC region and what are your main challenges while traveling?

Slide 25 and 26: Stay Connected/Thank You

Warren to present

Slide 27 and 28: Bike Gap Closure

Warren to present

Slide 29 to 31: Community Input

Warren to ask both the Zoom poll question and then the open-ended Bikeway Type question; Ted to help facilitate

Poll Question

1) How frequently do you bike ride?

- A) 1-2 times per week
- B) 1-2 times per month
- C) 1-2 times per year
- D) Never

Open-ended Question

2) Which bikeway type do you prefer (following presentation of the 4 types in the PPT)

Handover to Ted to close.

Slide 32: Raffle and Closing

Ted to announce raffle winner (\$50 Amazon card) and close the roundtable



Long Range Transportation Plan & Mobility Hubs Study

October 14 and 21, 2021

How to Participate

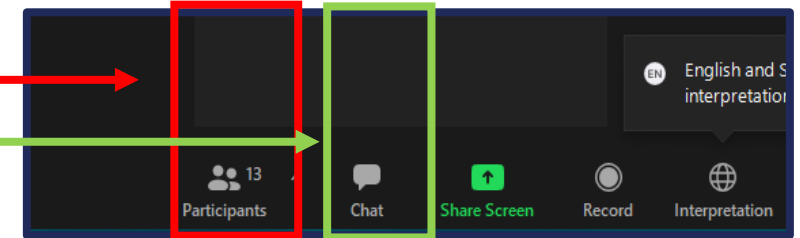
Today's meeting is being recorded.

You may submit multiple comments/questions, as needed:



Via web

- Click Participants > “raise hand”
- Click the “chat” function
- Include contact information:
Name and organization (if any)
- When announced, unmute your audio, you can then ask you question (s)
- You will be re-muted once you complete your comment (s)



Via the phone (calling in):

- Press “*9” on your keypad to “raise hand”
- You will be announced by the last four digits of your phone number
- Press “*6” to unmute your audio
- You will be re-muted once you complete your comment (s)

Today's Agenda

- Welcome and Introductions
- Long Range Transportation Plan
 - Project Overview
 - Question & Answer Session
 - Stay Connected
- Mobility Hubs Study
 - Project Overview
 - Question & Answer Session
 - Stay Connected
- Bikeways Gap Closure Study Update
- Raffle



DIRECTIONS 2045

LONG RANGE TRANSPORTATION PLAN

Community Leaders Roundtable

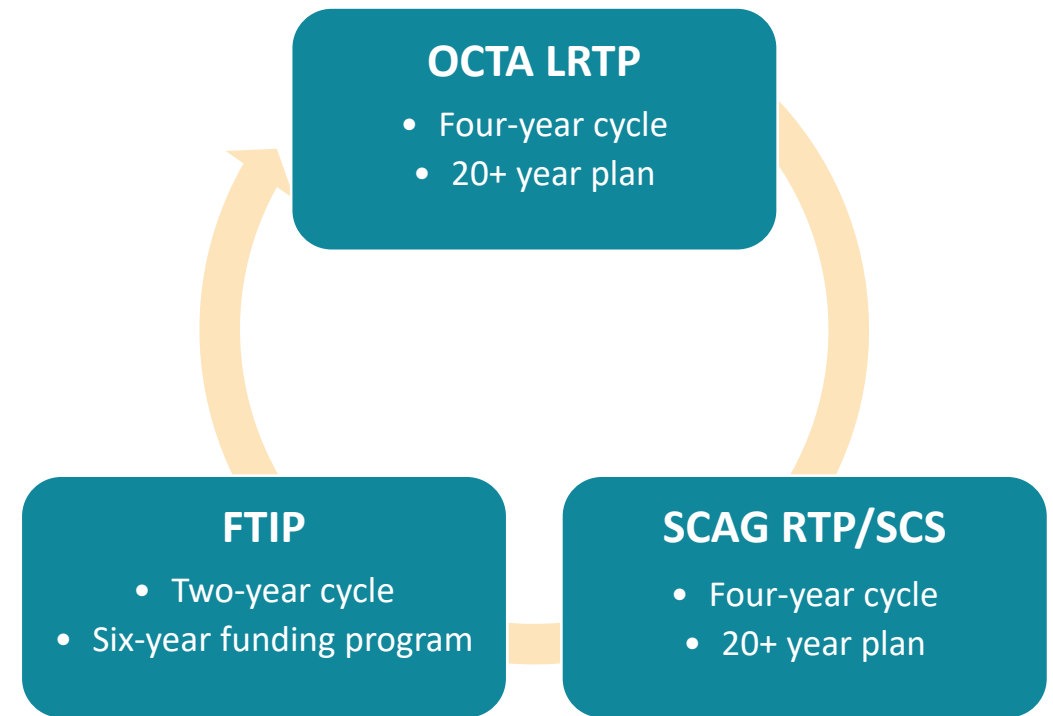
October 21, 2021

Sustainable, equitable, and innovative transportation solutions.



Long Range Transportation Plan

- OCTA's LRTP serves to:
 - Evaluate current plans and policies
 - Identify new initiatives and priorities
 - Define projects in the RTP
- Must consider:
 - Stakeholder input
 - Revenue forecasts
 - Current commitments
 - Population/employment forecasts
 - Key challenges



LRTP – Long Range Transportation Plan
OCTA – Orange County Transportation Authority
RTP – Regional Transportation Plan
FTIP – Federal Transportation Improvement Program
SCAG – Southern California Association of Governments
SCS – Sustainable Communities Strategy

Current Commitments

OCTA core functions:

Delivery of Measure M2 (OC Go)



- A total of 2% of the overall OC Go Program funds is allocated to the Environmental Cleanup Program.
- A total of 5% of OC Go Freeway Program funds is allocated to the Freeway Environmental Mitigation Program.

Provide Public Transit



Demographic Growth (2019-2045)

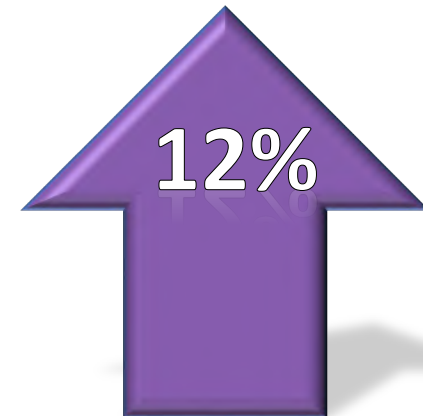
	Population	Housing	Employment
2019	3,250,357	1,057,355	1,760,986
2045	3,534,620	1,154,416	1,980,433
Total Change	+284,263	+97,061	+219,447



Population



Housing



Employment

Key Challenges

- Growing travel demand and limited land
- Evolving travel trends
- Increasing climate-related risks
- Changing funding outlook
- Diversity, Equity, and Inclusion

Diversity, Equity, & Inclusion Considerations

Defining Communities (example for discussion)

- Communities that rank highest in OC for:
 - Lower Income households
 - Diverse population households
 - Households without vehicles
 - Non-English-speaking households

Measuring Equity (example for discussion)

- Access to transit
- Access to jobs
- Access to other key destinations
- Average travel time

Draft Goals and Objectives

Deliver on Commitments

- Prioritize M2 commitments consistent with the Next 10 Delivery Plan
- Provide safe and reliable transit services

Improve System Performance

- Improve efficiency of transit, highways, and roadways
- Leverage emerging technologies and services

Expand System Choices

- Support options to single-occupant vehicle trips
- Improve equitable access to key destinations
- Enhance connectivity between travel modes

Support Sustainability

- Identify strategies to address climate-related risks
- Explore opportunities to improve financial sustainability
- Deliver a financially constrained LRTP

Next Steps

Fall 2021/Winter 2022

- Develop financial forecast
- Alternatives development & analysis

Spring 2022

- Prepare the Draft LRTP

Summer/Fall 2022

- Public review period

Fall 2022

- Final LRTP

Public Engagement

- Public Outreach in Fall 2021
 - Online survey
 - Public webinar
 - CL roundtables
 - Digital media
 - Helpline
 - Multilingual outreach
 - Communications toolkit
- Today
 - We want to hear from you!

DIRECTIONS 2045
LONG RANGE TRANSPORTATION PLAN
Sustainable, equitable, and innovative transportation solutions.

TRANSPORTATION CHALLENGES & OPPORTUNITIES
The Long Range Transportation Plan (LRTP) is a blueprint for transportation improvements in Orange County over the next 20 years.
Below are some of the transportation challenges and opportunities identified from the year 2045.

GROWING TRAVEL DEMAND & LIMITED LAND
As population, housing and employment grows, so do daily trips and congestion.
Real and timely walking opportunities are limited by land availability, and potential economic impacts.

EVOLVING TRAVEL TRENDS
Long-term implications of COVID-19

INCREASING CLIMATE RELATED RISKS
Orange County residents and businesses are impacted by high heat, wildfires, drought, coastal flooding and inland flooding.
State and regional plans and policies include strategies to meet California greenhouse gas emissions reduction goals.
The state is more than 50% below budget to meet greenhouse gas emissions reduction goals.

DIVERSITY, EQUITY & INCLUSION
Historically, disadvantaged populations have historically been disproportionately burdened by transportation inequities that have limited access to economic opportunities and quality of life.
Policies and practices ensure transportation equity.

OCTA
Sponsored · 🌐

OCTA wants to hear from you! Help shape the future of OC's transportation system and set a direction forward by taking a short survey at [LRTP-Survey.com](https://www.l RTP-Survey.com). Be... See More

DIRECTIONS 2045
LONG RANGE TRANSPORTATION PLAN
Sustainable, equitable, and innovative transportation solutions.

We want your input
Take our survey and attend

[WWW.LRTP-SURVEY.COM](https://www.l RTP-Survey.com)
Take our survey on transp

11

Like

Community Leaders Roundtable

You're invited to help influence the future of transportation in Orange County

As a key leader in the community, you are invited to represent your organization as a roundtable participant to provide your unique guidance and feedback on how to improve the future of transportation in Orange County. The Orange County Transportation Authority (OCTA) is conducting two important studies this fall, and we want to hear from you and your communities.

Community Leaders Input

- Typeform
 - Link to survey will be dropped in the chat
 - 2 Question Survey



Welcome to the OCTA Long Range Transportation Plan (LRTP) Community Leaders Poll

The LRTP is a blueprint for transportation improvements in Orange County over the next 20+ years. Your input will help to develop a vision for OC's transportation system as well as identify goals and priorities.

Question & Answer Session

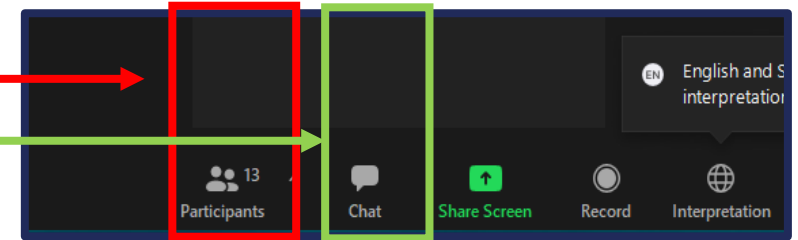
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- You will be re-muted once you complete your comment (s)

Stay Connected

- www.octa.net/LRTP
- Online Survey: LRTP-Survey.com
- Helpline: (800) 501-9266

Marissa Espino

Principal Community Relations Specialist

Mespino@octa.net

Greg Nord

LRTP Project Manager

Gnord@octa.net



DIRECTIONS 2045
LONG RANGE TRANSPORTATION PLAN
Sustainable, equitable, and innovative transportation solutions.

Save the date to join us for
a community webinar on
Tuesday, October 19 at 5:30 p.m.

[CLICK HERE](#) to attend.





THANK YOU

DIRECTIONS 2045 LONG RANGE TRANSPORTATION PLAN





ORANGE COUNTY
Mobility Hubs Study

Customizing Mobility for Local Communities

Mobility Hubs Community Leaders Meeting
October 21, 2021



Overview



Why?

- OCTA is tasked with **creating a transit system that is responsive to changing user needs and regional demands.**
- This *Mobility Hubs Strategy* aims to **address the existing and anticipated future demands** within OC.

Milestones

- Project Completion: Spring 2022
- Public Engagement and Webinar: Fall 2021



What?

- Strategic alignment to local context
 - 2018 OC Transit Vision
 - 2022 Long Range Transportation Plan
- Engage with stakeholders and communities
- Develop a network plan as well as conceptual mobility hub designs at priority locations
- Deliver a Mobility Hubs Strategy

www.octa.net/OCMobilityHubs



What are Mobility Hubs?

Mobility Hubs

Mobility hub services will be customized based on the needs of the community it serves

SUSTAINABILITY

Encourage use of sustainable/ zero emissions modes



LIVABILITY

Create a sense of community



TRANSIT SUPPORT

Improve first/last mile connections



EQUITY

Improve access for those with limited choices



What could be the main benefits?

This strategy will explore how Mobility Hubs may:



Equity: Support a more equitable transport system



Transit support: Enhance the public transit experience, improve first and last/mile connectivity to transit (e.g., via shared mobility)



Sustainability: Reduce cars dependency and encourage use of sustainable/zero emissions modes



Livability: Ensure safe and secure trips while creating a sense of community



Main Components

A Mobility Hub is clearly identified with...

- Branding and information
- Co-location of public transit & shared mobility
- Safe and secure parking or/and drop-zones
- A place for everybody (good lighting, visibility, accessibility and safety)

The type and number of components vary depending on...

- Location and land use
- Local mobility services available
- Local needs



Outreach To-date

- Electronic Notices
- Social Media Advertisements
- MMS/SMS Texting Campaign
- Newspaper Advertisements
- OCTA Website & Social Media Platforms
- Community Based Organization Efforts
- Community Survey



ORANGE COUNTY
Mobility Hubs Study
Customizing Mobility for Local Communities

Save the date to join us for a community webinar on
Thursday, October 7 at 5:30 p.m.

*Reserve la fecha para acompañarnos en un seminario web de la comunidad **Jueves, 7 de octubre a las 5:30 p.m.***

Đánh dấu ngày để tham gia cuộc họp trực tuyến cộng đồng với chúng tôi vào **Thứ Năm, ngày 7 tháng 10 lúc 5:30 chiều**

www.octa.net/OCMobilityHubs



Community Leaders Input

Share your opinion...

- Zoom Poll – 3 questions



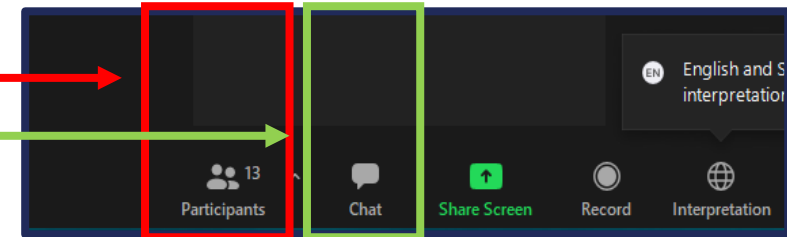
Question & Answer Session

You may submit multiple comments/questions, as needed:



Via web:

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- You will be re-muted once you complete your comments (s)



Stay Connected

Ways to provide further comments and/or questions:

- www.octa.net/OCMobilityHubs
- Christina Pirruccello
 - Community Relations Specialist
 - cpirruccello@octa.net
- Warren Whiteaker
 - Principal Transportation Analyst
 - wwhiteaker@octa.net

Milestones

- Project Completion: Spring 2022
- Public Engagement and Webinar: Fall 2021





THANK YOU

ORANGE COUNTY MOBILITY HUBS STUDY

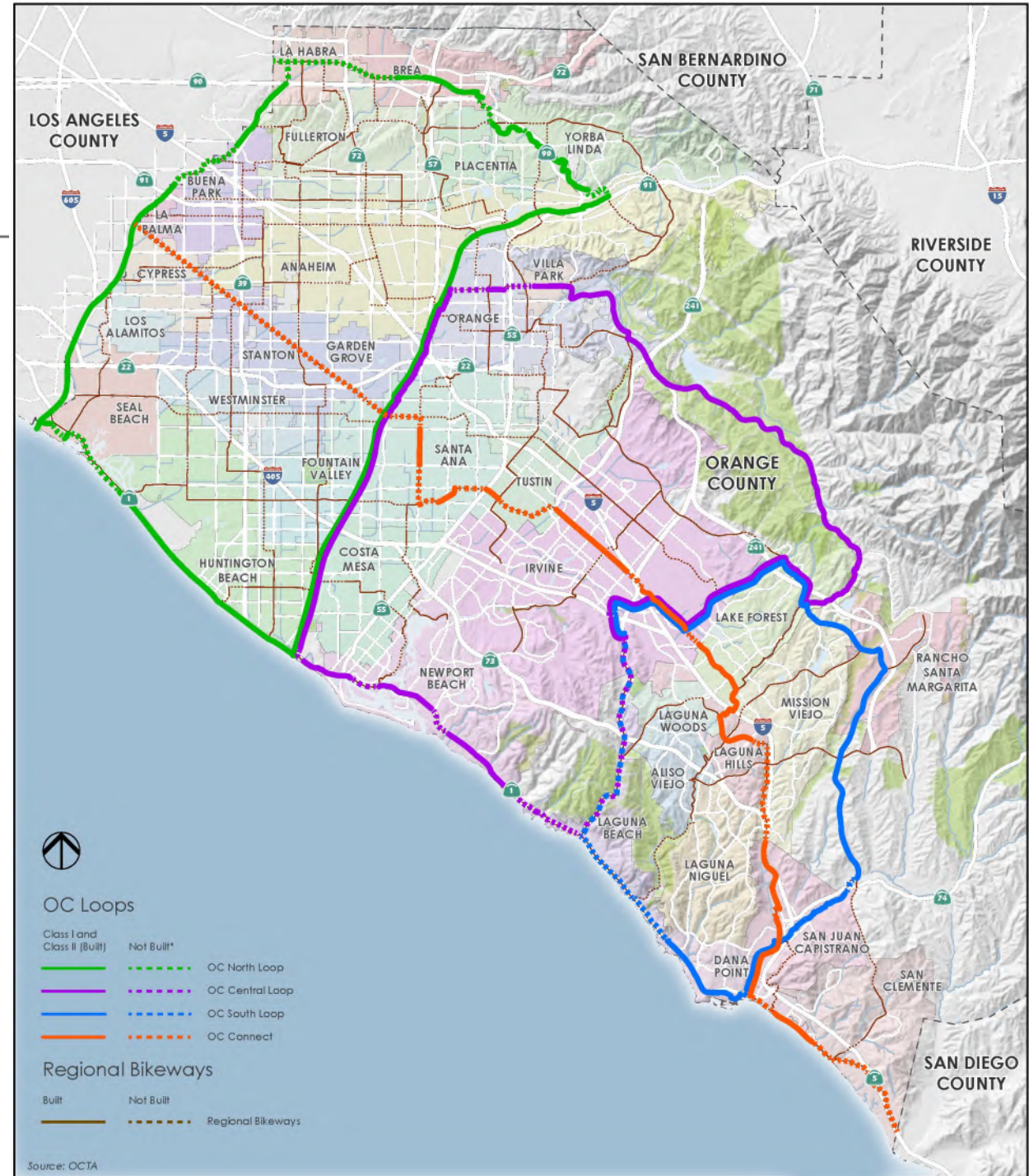


Bikeways Gap Closure Study

- Advance Concept of Regional Connector Type Bikeways (similar to OC Loop)



- Caltrans Grant Funded Project
- Collaborate with Agencies & Public
- Develop Feasible Engineering Recommendations for Gap Closure
- Position for Grants & Implementation

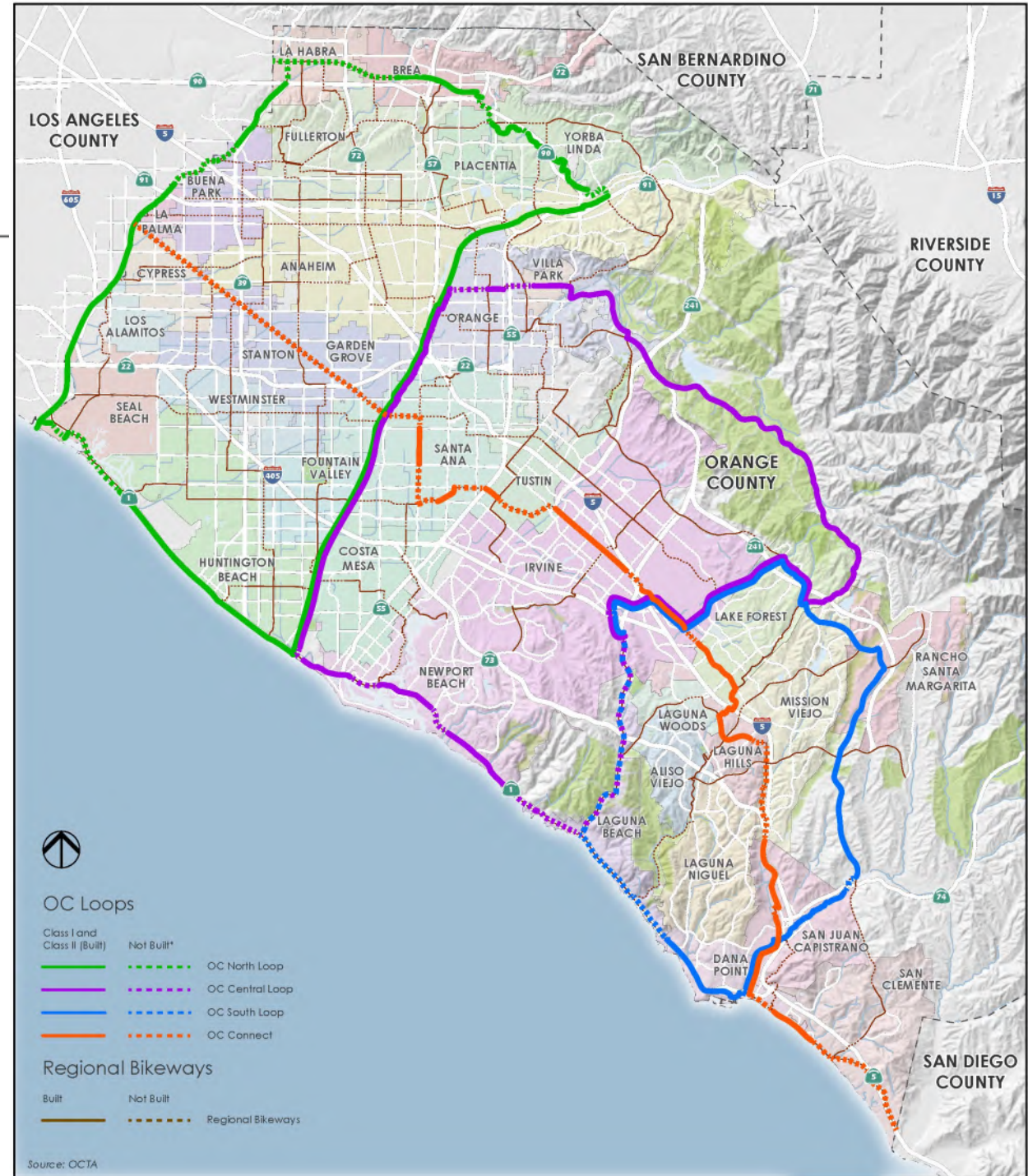


Bikeways Gap Closure Study

- Refine Naming from “OC Loop” to: “OC Loops”



- Establish Partnerships with Community Organizations
- Engage Disadvantaged Communities



Community Leaders Input

Share Your Opinion

- Zoom poll

Class II – Bicycle Lane



Class II – Buffered Bicycle Lane



Class IV – Median Separated Bikeway



Class I – Off-Street Route



Which Bikeway Type do you prefer?



Class II
Bicycle Lane



Class II
Buffered Bicycle Lane



Class IV
Median Separated Bikeway



Class I
Off-Street Route

Raffle

Thank you for participating!



OCTA LRTP

Community Leaders Roundtable Meeting

Meeting Program and Staff Assignments

Thursday, October 21, 10:30am – 12:00pm

1. Zoom Details

Team check-in: 10:00 AM for audio and microphone check and final questions. **NO UNIQUE PANELIST LINK NEEDED**

Meeting	Date/Time	Zoom Details
Meeting #1	Thurs., Oct. 21, 2021 10:30 – 12:00 PM Meeting time: 10:30am – 12:00 PM Debrief - Teams Link: 12:00-12:30PM	Meeting Link: https://bit.ly/3u1POdO Meeting ID: 838 5453 1603 Passcode: 5851 Call-in: (213) 338-8477

Important Notes for Staff

- **Rename yourself** to show your name and organization (or title).
- Keep your **microphone muted** unless you are presenting.
- **Turn off your cameras** unless you are presenting (multiple cameras can be on during Q&A and comment period).
- **While presenting**, speak directly into your laptop/desktop.
 - Avoid turning your head away from your PC while speaking.
- **Do not use the chat function of the virtual meeting.** This function will only be utilized by outreach staff to communicate with participants. Staff are encouraged to text when communicating with each other.

Pre-meeting check list – Day of meeting

- Sound** – Check speakers and mics to ensure sound quality is clear. Turnoff any background sounds, including fans, TV's, radio, etc.
- Lighting** – Ensure enough lighting is available. Keep in mind the time of day and proximity to windows and light sources.
- Background** – Use project background.
- Avoid sharing ceiling fans, televisions, frequently used doors, or any other potentially distracting items.
- Internet connection** – Use the most stable internet source possible.
- Remove any unused devices from your network prior to logging on.
- Pro Tip:** Test your internet connection speed and capabilities at the exact time of a future scheduled meeting to ensure local internet speeds are sufficient (See Ookla Speedtest App).



2. Meeting Format & Presenters

#	Presentation Section	Format / Speakers (s)	Time	Notes
I.	<p>A. WELCOME/INTRODUCTIONS</p> <p>*Panelists should have cameras ON during the intro*</p> <p>PPT Slide (1)</p> <ul style="list-style-type: none"> Welcome Introductions of team Why LRTP and MH's 	<ul style="list-style-type: none"> Maria Yanez-Forgash Alice Rogan (Slides 1) 	<p>(5 min.)</p> <p>10:30-10:35 am</p>	<ul style="list-style-type: none"> Maria welcomes the group and announces the wait time (1-2) minutes for attendees to join meeting Alice welcomes participants Project team introductions Share importance of LRTP & MH studies
II.	<p>B. COMMUNITY LEADERS ROUNDTABLE OVERVIEW</p> <p>PPT Slides (2 & 3)</p> <ul style="list-style-type: none"> Participant self-introductions CLR Overview Housekeeping slides Agenda 	<ul style="list-style-type: none"> Ted Nguyen (Slides 2 & 3) 	<p>(5 min.)</p> <p>10:35-10:40 am</p>	<ul style="list-style-type: none"> Welcome/call on participants to begin self-introductions (name and org) Review housekeeping slides-including meeting format and how to participate Brief overview of agenda Provide overview of CL Roundtable Raffle will take place at end of meeting - \$50 gift card
III.	<p>C. LRTP PRESENTATION / TYPEFORM SURVEY / STAY CONNECTED & THANK YOU</p> <p>PPT Slides (4–16)</p> <ul style="list-style-type: none"> Overview of LRTP Typeform Survey Q&A Session Stay Connected/Thank you <p>Typeform Link:</p> <p>https://survey.typeform.com/to/ng680IVV</p>	<ul style="list-style-type: none"> Greg Nord – LRTP (Slides 4-11) Marissa Espino & Ted– Typeform Survey (Slides 12 & 13) Ted Nguyen – Q&A* & Stay Connected/Thank you (Slides 14-16) <p>*Marissa, Greg & Ted - cameras ON during Q&A*</p>	<p>(10 min.)</p> <p>10:40-10:50 am</p> <p>(10 min.)</p> <p>Polls</p> <p>10:50-11:00 am</p> <p>(20 min.)</p> <p>Q&A</p> <p>11:00-11:20 am</p>	<ul style="list-style-type: none"> Greg to provide LRTP presentation Marissa will moderate Typeform survey, encourage participation, and review real-time results; Ted will support - Ted co-host? Ted will facilitate the Q&A session Participants will be directed to the Chat function or the “raise hand” function on Zoom to provide comments Call participants by name and allow them to speak

IV.	D. MOBILITY HUBS PRESENTATION & ZOOM POLLS PPT Slides (17- 26) <ul style="list-style-type: none"> Overview of Mobility Hubs Zoom Polls Q&A Session 	<ul style="list-style-type: none"> Warren Whiteaker – Mobility Hubs (<i>Slides 17-24</i>) Christina Pirruccello – run Zoom Polls (<i>Slides 25 & 26</i>) (Co-host access) Ted Nguyen – Q&A* (Co-host access) <p>*Christina, Warren & Ted - cameras ON during Q&A*</p>	(10 min.) 11:20-11:30 am (10 min.) Polls 11:30-11:40 pm (10 min.) Q&A 11:40 -11:50 pm	<ul style="list-style-type: none"> Warren will provide the Mobility Hubs presentation Christina will facilitate Zoom polls, encourage participation, and review real-time results AA will launch polls Ted will facilitate the Q&A session Participants will be directed to the Chat function or the “raise hand” function on Zoom Call participants by name and allow them to speak
	E. BIKEWAYS GAP CLOSURE STUDY / ZOOM POLL / Q&A <ul style="list-style-type: none"> Update on the study Zoom Poll Open ended question Q&A Session 	<ul style="list-style-type: none"> Warren Whiteaker Gap Closure Study presentation (<i>Slides 27 & 28</i>) Zoom Poll (<i>Slide 29</i>) Open-ended question – Warren to lead with support from Ted (<i>Slides 30 &31</i>) Ted Nguyen – Q&A* (<i>Slide 32</i>) *Warren & Ted - cameras ON during Q&A* 	(5 min.) 11:50-11:55 am	<ul style="list-style-type: none"> Warren to provide overview of Gap Closure Study Warren to lead Zoom poll question Warren to ask open ended question and Ted to support facilitation Ted to lead Q&A and allow participants to ask their own questions Push questions are available in case participants do not ask their own questions
V.	F. RAFFLE PPT Slides (32)	<ul style="list-style-type: none"> Ted Nguyen – Raffle 	(5 min.) 11:55am – 12:00pm	<ul style="list-style-type: none"> Wheel of names will be used to select the winner Raffle (LINK) Winner will be e-mailed a \$50 Amazon gift card
VI.	G. CLOSING & THANK YOU PPT Slide (32)			
VII.	H. DEBRIEF	<ul style="list-style-type: none"> All Panelists & AA Staff Members 	Post Meeting	<ul style="list-style-type: none"> Use MS Teams debrief link to join

Project Team Roles/Assignments

No	Staff Roles	Location	Assignments	Notes
OCTA				
1	Alice Rogan	Remote	Meeting Panelist, Presenter	Will be on camera
2	Warren Whiteaker	Remote	Meeting Panelist, Presenter	Will be on camera
3	Marissa Espino	Remote	Meeting Panelist, Presenter	Will be on camera
4	Ted Nguyen	Remote	Meeting Panelist, Presenter	Will be on camera
5	Greg Nord	Remote	Meeting Panelist, Presenter	Will be on camera
6	Christina Pirruccello	Remote	Meeting Panelist, Presenter	Will be on camera
AA Outreach				
7	Nancy Verduzco	AA Office/Remote	Zoom Meeting Host Controls PPT, meeting functions, Q&A, moderating	<ul style="list-style-type: none"> Controlling participant audio during public comment session Share screen for Typeform Survey results - LRTP Launch Zoom Polls - MH
8	Benjamin Lopez	AA Office/Remote	Zoom Co-Host Chat monitoring, Zoom support	<ul style="list-style-type: none"> Monitor Q&A session Manage chat inserts Take notes
9	Maria Yanez-Forgash	Remote	Outreach Lead	<ul style="list-style-type: none"> Only on camera if necessary Outreach Team Representative Meeting Notes

3. Meeting Details

Introduction / Welcome (Alice)

- Alice will welcome all meeting participants and thank them for joining.
- Additional time (no more than 2 min.) will be allotted to ensure all participants are able to successfully join the meeting. The meeting will then commence. Meeting title slide will be displayed during waiting period.
- Alice will lead project team introductions.
- Brief overview of LRTP/MH studies and their importance
- **All presenting project team members will need to be on camera.**

Roundtable Overview (Ted)

- Reference to the meeting being recorded for note taking purposes should be clearly stated.
- Lead self-introductions – participants will be asked to provide their name and organization.
- Ted will provide a Roundtable overview. He will also review housekeeping slides, meeting format, and purpose of meeting.

LRTP Main Presentations, Zoom Polls and Q&A (Greg, Marissa and Ted)

- The main meeting presentation for LRTP will be conducted by Greg.
- The PPT presentation will be shared by outreach staff member and meeting host or co-host Nancy Verduzco/Benjamin Lopez (Arellano Associates).
- While presenting assigned slides, presenters should say “next slide” to initiate slide transitions
- Marissa will lead the Typeform survey following the LRTP presentation.
- AA will insert the Typeform link in the “chat” and will share screen with results
- Marissa will elaborate on the results in real time, **results will only be available after submitting all questions.**
- Ted will lead the Q&A discussion. Maria will assist in calling out attendees who raised their hand.

Mobility Hubs Main Presentations, Zoom Polls and Q&A (Warren, Christina and Ted)

- Warren will conduct the main meeting presentation for Mobility Hubs.
- The PPT presentation will be shared by outreach staff.
- While presenting assigned slides, presenters should say “next slide” to initiate slide transitions.
- Christina will lead the Zoom polls following the MH presentation.
- AA will launch the polls and Christina will share a summary of the results real time.
- Christina will prompt AA to close the polls.
- Ted will lead the Q&A discussion. Maria will assist in calling out attendees who raised their hand.

Bikeways Gap Closure Study Update

- Warren will present the Bikeways Gap Closure Study update

Raffle, Closing and Thank you (Ted)

- AA staff will support Ted with the raffle by displaying the wheel of names.
- Ted will follow the raffle with a closing statement and thank participants for joining the meeting.

Team Debrief (Team)

- Team members will stay on the line for team debrief

OCTA LRTP
Community Leaders Roundtable
Thursday, October 21, 2021 10:30 AM – 12 PM

Chat Inserts

English
Welcome
Thank you for joining the OCTA LRTP / Mobility Hubs Community Leaders Roundtable today. The presentation will begin in a few moments.
If you have a question or comment, please type them using the "Chat" function located on the bottom portion of your Zoom screen.
You can also use the 'Raise Hand' button and you can provide your verbal comment. Questions and comments will be responded to after the presentation during the Q&A session.
Please introduce yourself and provide your name and organization you represent.
LRTP Survey
Click on the follow link to take the LRTP survey during the meeting. https://sur-vey.typeform.com/to/ng680IVV
Stay Connected
We welcome your support to promote the LRTP survey. Please use this toolkit to share information about the LRTP survey Toolkit (Trilingual: English, Spanish & Vietnamese)
To learn more about LRTP, visit OCTA.net/LRTP
To learn more about Mobility Hubs, visit OCTA.net/MobilityHubs
For additional questions or to provide your comments via email, please contact the project team Marissa Espino mespino@octa.net Or Christina Pirruccello cpirruccello@octa.net

Commented [BL1]: Link updated

2021 Mayors Forums | Community Leaders Roundtable 1 & 2 | Community Webinar
LRTP Survey Questions – October 2021

- 1) Please rank the following transportation improvements in order of importance. (1 = most important; 5 = less important)
 - a) Freeway maintenance, on- and off-ramp enhancements, and projects to improve overall traffic flow
 - b) Bus, streetcar, light rail, shuttle, trolley, vanpool, and other transit services
 - c) Pothole repairs, signal synchronization, and intersection improvements
 - d) Bike lanes, bikeway and sidewalk networks, and pedestrian pathways
 - e) Enhanced infrastructure to accommodate autonomous, driverless vehicles

- 2) Select your top **two** strategies to help decrease traffic congestion and reduce how much people need to drive in the future. (*Select Top Two*)
 - a) Encourage carpooling, vanpooling, and ridesharing
 - b) Improve bike lanes, sidewalks, and pedestrian safety, etc.
 - c) Modify streets to safely accommodate all forms of transportation (driving, transit, walking, bicycling, etc.)
 - d) Create a network of light rail streetcars serving key destinations and activity centers
 - e) Encourage policies to allow employees to work from home at least one day per week, whenever possible
 - f) Improve and expand commuter rail services including Metrolink and Amtrak
 - g) Improve and expand bus services
 - h) Offer transit riders access to shuttles, shared bikes/scooters, and rideshare services at transit stations to get to their final destination (i.e. mobility hubs)

- 3) Which transit improvements do you think could help relieve congestion **the most** in Orange County? (*Select Top Three*)
 - a) Enhance local bus service in areas with high ridership potential
 - b) Create local community shuttle services that get people to and around major activity centers
 - c) Create on-demand shared ride services (Uber/Lyft/Microtransit)
 - d) Provide flexible shuttle services that can move away or deviate from set routes during less busy travel times
 - e) Add streetcar services in areas with high ridership potential
 - f) Enhance commuter rail services (Metrolink/Amtrak)
 - g) Provide transit only lanes with high quality services (e.g. light rail or bus rapid transit) to connect activity centers through high traffic areas
 - h) Enhance connections to and from bus stops and rail stations by developing Mobility Hubs (multiple services in one location)

Jason Jackson

From: Orange County Transportation Authority <mespino@octa.net>
Sent: Friday, October 1, 2021 8:03 AM
To: Jason Jackson
Subject: Join the OCTA LRTP CBO Roundtable – October 14th & 21st

Follow Up Flag: Flag for follow up
Flag Status: Flagged



You're invited to help influence the future of transportation in Orange County

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Thursday, October 14, 2021
1:00pm – 2:30pm

RSVP Here

Stakeholder Roundtable #2

Thursday, October 21, 2021
10:30am – 12:00pm

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If you would like to unsubscribe from receiving emails about this project, please [click here](#).

Orange County Transportation Authority

Arellano Associates | 5851 Pine Ave., Suite A, Chino Hills, CA 91709

[Unsubscribe jjackson@arellanoassociates.com](mailto:jjackson@arellanoassociates.com)

[Update Profile](#) | [Constant Contact Data Notice](#)

Sent by mespino@octa.net

Jason Jackson

From: Orange County Transportation Authority <mespino@octa.net>
Sent: Thursday, October 7, 2021 1:47 PM
To: Jason Jackson
Subject: Last Chance: Share Your Views as a Leader



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To: Jason Jackson
Subject: Join the first meeting tomorrow: Share Your Views as a Leader



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From: Jason Jackson
Sent: Thursday, October 14, 2021 11:08 AM
To: acazaes@rcocdd.com; alexander.kim@asm.ca.gov; Becky.Nguyen@vacf.org; Paul.Hoang@mfpinstitute.com; pramod@nakunj.com; linda@lindanguyen.com; robin@rockspark.com; Yumiko@projectkinship.org; mlimon@oceaa.org; Reubenfranco@ochcc.com; Dougm@unitedwayoc.org; erubalcava@fullerton.edu; tanya.salcido@gmail.com
Cc: Marissa Espino (OCTA); Ted Nguyen (OCTA - Events); Christina Pirruccello (OCTA); Maria Yanez-Forgash; Benjamin Lopez
Subject: Community Leaders Roundtable

Good morning,

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Thank you and talk soon.



Jason S. Jackson

Deputy Project Manager

5851 Pine Avenue, Suite A | Chino Hills, CA 91709

P • 909.627.2974 Ext. 2791

E • JJackson@arellanoassociates.com

www.arellanoassociates.com



Jason Jackson

From: Jason Jackson
Sent: Wednesday, October 20, 2021 11:59 AM
To: Jason Jackson
Cc: Ted Nguyen - OCTA (tednguyen@octa.net); Marissa Espino (OCTA); Elia Verduzco (OCTA); Maria Yanez-Forgash; Benjamin Lopez
Subject: Thank you for attending our Community Leaders Roundtable!



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Sent: Wednesday, October 20, 2021 2:41 PM
To: Jason Jackson
Subject: Join tomorrow's second meeting: Share Your Views as a Leader



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COMPLETED

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Jason Jackson

From: Marissa Espino <mespino@octa.net>
Sent: Thursday, October 21, 2021 8:57 AM
To: Maria Yanez-Forgash; Benjamin Lopez; Jason Jackson
Subject: Fwd: OCTA MEETING THIS MORNING?

FYI

Sent from my iPhone

Begin forwarded message:

From: Ted Nguyen <tnguyen1@octa.net>
Date: October 21, 2021 at 8:55:21 AM PDT
To: "Mercado-Cota, Teresa" <Mercado_Cota_Teresa@sac.edu>, Melina Cabrera <mcabrera@octa.net>, Elia Verduzco <everduzco@octa.net>
Cc: Marissa Espino <mespino@octa.net>
Subject: Re: OCTA MEETING THIS MORNING?

Hi, Teresa.

We have a virtual roundtable via Zoom at 10:30 a.m. today.

Here is a link to register and you'll receive a link to join other community leaders.

<https://us06web.zoom.us/meeting/register/tZclcu2trTosGtcenMiHqT1cvfan-u5LWRSi>

See you in a bit!

Thanks!
Ted

Get [Outlook for iOS](#)

From: Mercado-Cota, Teresa <Mercado_Cota_Teresa@sac.edu>
Sent: Thursday, October 21, 2021 8:51:15 AM
To: Melina Cabrera <mcabrera@octa.net>; Elia Verduzco <everduzco@octa.net>; Ted Nguyen <tnguyen1@octa.net>
Subject: OCTA MEETING THIS MORNING?

Partners, I may be off but is there an OCTA Diversity Advisory Committee meeting later this morning? I have it on my calendar but don't have to Zoom details. Thank you, Teresa

Teresa Mercado-Cota, M.S.
Santa Ana College President's Office
Public Affairs | Governmental Relations
Professional Development

www.sac.edu | 714.564.6105
Cell: 949-278-1682

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Jason Jackson

From: Jason Jackson
Sent: Tuesday, October 26, 2021 12:46 PM
To: Jason Jackson
Cc: Ted Nguyen - OCTA (tednguyen@octa.net); Marissa Espino (OCTA); Elia Verduzco (OCTA); Maria Yanez-Forgash; Benjamin Lopez
Subject: Thank you for attending our Community Leaders Roundtable!



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We also want to congratulate our meeting raffle winners, Paul Hoang (from meeting #1) and Melanie Schlotterbeck (from meeting #2). Both received \$50 gift cards in their email on Monday for participating in these leadership meetings!

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Appendix Q: Key Stakeholder Roundtable Meetings



Jason Jackson

From: Orange County Transportation Authority <mespino@octa.net>
Sent: Friday, October 1, 2021 8:03 AM
To: Jason Jackson
Subject: Join the OCTA LRTP CBO Roundtable – October 14th & 21st

Follow Up Flag: Flag for follow up
Flag Status: Flagged



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RSVP Here

Let us hear from you!

We welcome you to take the LRTP online survey, available in English, Spanish and Vietnamese. We also hope you'll share the survey with your family, friends and coworkers. The more opinions we have the better the process. Those that complete it by 10/31 will be entered into a drawing for a chance to win one of four \$50 gift cards!

Take the Survey

Stay Connected

Please contact Marissa Espino, Principal Community Relations Specialist, at MEspino@octa.net with any questions. We look forward to collaborating with you and planning a direction forward!

For more information on the projects, visit octa.net/LRTP and octa.net/OCMobilityHubs

Jason Jackson

From: Marissa Espino <mespino@octa.net>
Sent: Thursday, October 21, 2021 8:57 AM
To: Maria Yanez-Forgash; Benjamin Lopez; Jason Jackson
Subject: Fwd: OCTA MEETING THIS MORNING?

FYI

Sent from my iPhone

Begin forwarded message:

From: Ted Nguyen <tnguyen1@octa.net>
Date: October 21, 2021 at 8:55:21 AM PDT
To: "Mercado-Cota, Teresa" <Mercado_Cota_Teresa@sac.edu>, Melina Cabrera <mcabrera@octa.net>, Elia Verduzco <everduzco@octa.net>
Cc: Marissa Espino <mespino@octa.net>
Subject: Re: OCTA MEETING THIS MORNING?

Hi, Teresa.

We have a virtual roundtable via Zoom at 10:30 a.m. today.

Here is a link to register and you'll receive a link to join other community leaders.

<https://us06web.zoom.us/meeting/register/tZclcu2trTosGtcenMiHqT1cvfan-u5LWRSi>

See you in a bit!

Thanks!
Ted

Get [Outlook for iOS](#)

From: Mercado-Cota, Teresa <Mercado_Cota_Teresa@sac.edu>
Sent: Thursday, October 21, 2021 8:51:15 AM
To: Melina Cabrera <mcabrera@octa.net>; Elia Verduzco <everduzco@octa.net>; Ted Nguyen <tnguyen1@octa.net>
Subject: OCTA MEETING THIS MORNING?

Partners, I may be off but is there an OCTA Diversity Advisory Committee meeting later this morning? I have it on my calendar but don't have to Zoom details. Thank you, Teresa

Teresa Mercado-Cota, M.S.
Santa Ana College President's Office
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Jason Jackson

From: Jason Jackson
Sent: Tuesday, October 26, 2021 12:46 PM
To: Jason Jackson
Cc: Ted Nguyen - OCTA (tednguyen@octa.net); Marissa Espino (OCTA); Elia Verduzco (OCTA); Maria Yanez-Forgash; Benjamin Lopez
Subject: Thank you for attending our Community Leaders Roundtable!



Thank you to those who participated in last week's Community Leaders Roundtable. Your input and perspective as key community leaders are critical in guiding the direction of transportation in Orange County. The information gathered during our meeting will serve to inform multiple Orange County Transportation Authority (OCTA) studies currently underway – Long Range Transportation Plan, Mobility Hubs Study, and the Bike Gap Closure Study.

As we shared during the meeting, we are seeking to engage community members from across Orange County on these important studies. We encourage community members to complete the LRTP community survey, which is available until October 31.

Below are links to the meeting materials we shared in last week's meeting as well as links to the LRTP survey and our electronic communications toolkit. If you were not been able to attend either meeting, please be sure to review the presentation to see what you missed. The toolkit has information ready for your use on social media, eblasts, websites, etc. We hope you consider sharing information about these opportunities with your stakeholders.

Meeting Material Links:

- [Webinar PPT Presentation](#)
- [Toolkit \(Trilingual: English, Spanish & Vietnamese\)](#)
- [LRTP-Survey.com](#)

Project Fact Sheets:

- LRTP ([English](#), [Spanish](#) & [Vietnamese](#))
- OC Mobility Hubs Study ([English](#), [Spanish](#) & [Vietnamese](#))
- Bike Gap Closure Study ([English](#))

We also want to congratulate our meeting raffle winners, Paul Hoang (from meeting #1) and Melanie Schlotterbeck (from meeting #2). Both received \$50 gift cards in their email on Monday for participating in these leadership meetings!

If you have additional thoughts about these studies, please contact Marissa Espino at mespino@octa.net. We look forward to additional collaboration efforts as we work to develop the Draft LRTP and continue to improve transportation in Orange County.

Report
October 2021

Stakeholder Group #1 Summary Report

OCTA
23997301

steer

Report
October 2021

Stakeholder Group #1 Summary Report

Prepared by:

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23997301

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The logo for Steer, featuring the word "steer" in a bold, lowercase, sans-serif font.

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A Slides Deck

Executive Summary

Overview

The first Stakeholder Groups Roundtable, Framework, was conducted on August 31, 2021, with 18 participants from OCTA, Caltrans, SCAG, and SCRRRA (Metrolink). The main purpose was to gain a shared definition of mobility hubs through education and discussion, and also to learn stakeholders' views, goals, and expectations for this project.

Key information that was gleaned from this roundtable include:

- 1. There's a wide variance in understanding what mobility hubs are and why they are needed.** While the concept of mobility hubs is looked upon favourably, it remains just that, a concept. The interplay of mobility hubs with the greater transportation network, specifically with public transit, needs to be explored. Further discussion and education on Purpose - Need and Definition is required.
- 2. Mobility hubs in Orange County must be relevant to the communities they serve.** Relevance and fit within both the neighborhoods in which they reside and public transit users they serve are very important, specifically for low-income and transit-dependent populations. Topics such as equity and sense-of-place were consistently brought up as important goals for mobility hubs. Mode choices should also match local needs and realities.
- 3. Stakeholders want actionable recommendations and guidelines for deployment.** Phrases such as "toolbox of recommendations", "kit of parts", and "interagency coordination" were repeated. Specific guidelines for all aspects of mobility hubs development -- from funding to coordination to on-the-ground implementation -- are desired, going beyond generalizations into specifics.
- 4. Determining key locations is tricky.** Our team determined 42 key locations; stakeholders added 19 additional locations not on our initial list. Furthermore, even within many locations are sub-locations, some with vastly different typologies. We will use location information that we gathered to refine the typologies and siting criteria.

The recommended next step starts with probing deeper into Purpose - Need and Definition analysis, not so much on what mobility hubs are as a concept, but how mobility hubs enhance and connect with the larger transportation network in Orange County, the surrounding neighborhoods they reside in, and people they serve.

1 Introduction

Background

- 1.1 While every region is unique in its own way, and on-the-ground realities can often contradict generalized descriptions, Orange County is truly as diverse as it comes.
- 1.2 A mobility hub strategy that accommodates such a diverse community is an immense challenge, made all the more challenging given the wider region's car-centric culture. As Orange County continues to grow and evolve, OCTA is tasked with creating a transit system responsive to changing user needs and regional demands and mobility hubs can be part of a solution. It is clear that a coordinated approach is required to help facilitate greater planning, coordination, and execution to develop an integrated and holistic solution to getting around Orange County using alternative means.
- 1.3 The Orange County Mobility Hub Study explores how mobility hubs might benefit Orange County residents and visitors, how they could be planned and designed, and identify a potential network of locations. This strategy serves as an opportunity to improve connectivity and increase sustainable transportation options throughout the county while addressing traffic congestion and pollution caused by vehicle emissions.
- 1.4 Collaboration will be key for this study and we have started engaged in an extensive stakeholder and public engagement through Fall 2021. The stakeholder Outreach (Task 2.2) is led by Tranzito, with oversight from Steer, to facilitate activities and discussions with core stakeholders in Orange County.

Main Approach

Stakeholder Roundtables Main Goals

- 1.5 There are three key objectives of Stakeholder Engagement, all of which will be achieved through Stakeholder Groups:
 - Goal 1: Educate stakeholders on the concept of mobility hubs. Define what mobility hubs could become in Orange County and how they could contribute to resolving access and traffic challenges.
 - Goal 2: Collaborate and provide a user-centric perspective to the OC Mobility Hubs project, final deliverables, and recommendations.
 - Goal 3: Buy-In and a sense of ownership from stakeholders on the OC Mobility Hubs project and final deliverables.
- 1.6 Four consecutive stakeholder groups are designed to build upon each other in a progressive format, each with distinct topics to allow stakeholders the ability to participate to the appropriate

extent. A fourth stakeholder group is used to share results and offer a final opportunity for input and validation:

Roundtable 1: Framework	Roundtable 2: Network	Roundtable 3: Location	Roundtable 4: Results
What do OC Mobility Hubs look like, who do they serve, and what do they address?	What is the process to roll out a unified network that works with location-specific realities?	What are the real location-specific challenges we need to overcome to gain mass adoption?	We will present our results and get final feedback for our final report and deliverables.

1.7 Each Stakeholder Group (and each topic) will be approximately one month in duration. PDT members are invited to a pre-Stakeholder Group meeting (for PDT members only) and attend the Stakeholder Group meetings. Stakeholder Group members are composed of key stakeholders throughout Orange County, and are designated by tiers 1-4:

- Tier 1: OCTA PDT members and other directly relevant staff.
- Tier 2: Public agencies with direct real estate, infrastructure, and assets.
- Tier 3: Key CBOs and property owners.
- Tier 4: Key mobility operators (NOTE: not a part of outreach exercise).

Meeting Format

1.8 Meetings are ninety minutes in duration and are designed to maximize collaboration and insights. Roundtable meetings begin with a brief introduction, with the majority of time devoted to eliciting feedback -- alternating between Discussion, Brainstorm, and Analysis exercises -- along with information dispersal and validation of key findings and statements. Meetings conclude with Next Steps, to encourage ongoing participation and learning opportunities. A follow-up email is sent to solicit additional feedback.

Stakeholder Roundtable Framework

Planning

1.9 The roundtable was held on August 31, 2021, between 10 am - 11:30 am on the Microsoft Teams video conferencing platform and had an estimated 18 participants made up of:

- 13 members of OCTA
- 5 members from Caltrans (2), SCAG (1), and SCRRRA (2)

1.10 The workshop was planned and hosted by Tranzito in collaboration with staff from Steer. Collaborative tools Google Forms, Google Sheets, and Mural were used. A post-meeting email was sent to solicit further feedback.

1.11 The main goal of this first roundtable was to present an overview of the project, the main objectives for OCTA and introduce the different approaches and concepts that will be used during to create the mobility hubs strategy. The roundtable was the occasion to create a shared language to define what mobility hubs are in Orange County.

1.12 The slides have been attached for reference as an Appendix of this document.

Attendees

The following Table presents the Roundtable One attendees list:

Table 1 Attendees

Tier 1: PDT and key OCTA staff		Tier 2: Public Agencies	
Charlie Larwood	OCTA	Irene Hou	Caltrans
Christina Pirruccello	OCTA	Cole Iwamasa	Caltrans
George Olivo	OCTA	Priscilla Freduah-Agyemang	SCAG
Gregory Nord	OCTA	David Huang	SCRRA
Kevin Khouri	OCTA	Rory Vaughn	SCRRA
Kim Tucker	OCTA		
Kyle Poff	OCTA	Consultant Team	
Marissa Espino	OCTA	Gene Oh	Tranzito (Facilitator)
Megan Taylor	OCTA	Adam Shapiro	Tranzito (Facilitator)
Peter Sotherland	OCTA	Alia Verloes	Steer
Sam Sharvini	OCTA	Matthew Clark	Steer
Stephanie Chan	OCTA		
Warren Whiteaker	OCTA		

2 Part 1: Project Vision

Overview

2.1 OCTA and the consultant team progressed on many definitional aspects of the OC Mobility Hubs Strategy prior to the Roundtable. As a result, the focus was to present findings, seek validation, and solicit feedback rather than beginning the process anew. Main key points included:

- Detail on the main components of mobility hubs (branding, co-location of vehicles, safe and inclusive) and varying types of components (based on land-use, local mobility options, local needs, location-specific realities).
- Detail on how the definition of “mobility hubs” differs based upon the lens or application used: Regional planning, Local integration, On-the-ground Implementation.
- Presentation of the OCTA’s Work-in-Progress definition of mobility hubs: Identifiable places that encourage multimodal travel, Co-location of modes with complementary amenities & info, Flexible and adaptable to respond to community needs. It was made clear that the working definition is a work-in-progress.

Mobility Hubs Definition - OCTA (WIP*)

“**Mobility Hubs** are identifiable places where different transport modes and services meet to encourage multimodal journeys.

Mobility Hubs co-locate modes and complement them with amenities, digital services and information aimed at facilitating more seamless, sustainable, and inclusive journeys and travel choices.

Mobility Hubs are scaled and designed in a flexible and adaptable manner in response to local community needs and to create a sense of place.”

* Work in Progress

Objective: Share OCTA’s Work-in-Progress definition of mobility hubs:

- Identifiable places that encourage multimodal travel.
- Co-location of modes with complimentary amenities & info.
- Flexible and adaptable to respond to community needs.

Overall Expectations Feedback for the project

2.2 After sharing mobility hubs definitions from the consultant team and OCTA, the facilitator invited stakeholders to share their thoughts on what they heard, and also share personal goals and expectations for this stakeholder group process. Stakeholders had a lot to share, especially regarding project goals and expectations, and what mobility hubs can do to address personal problems. Utilizing a guided-dialogue approach and Google Forms, the following questions were asked:

- What are your expectations for this roundtable?
- What would you like to see in the OC Mobility Hubs Strategy final submission?
- What are your personal goals for mobility hubs?

2.3 Responses were grouped according to relevance, and formatted into three sections:

- i. Questions / Concerns raised: Besides correcting for spelling or gross grammatical errors, stakeholder responses were transcribed as entered via Google Forms or open dialogue.
- ii. Responses (from the facilitator or OCTA staff): For the sake of time, Google Forms responses were not discussed during the Roundtable. Dialogue responses were lightly edited for clarity.
- iii. Suggested next steps for the Team: Facilitator's commentary.

The table below summarizes the overall feedback stakeholders shared regarding the project:

Table 2 Project Approach feedback summary

Questions/Concerns Raised	Responses	Suggested next steps for the Team
Fully grasp the concept of a mobility hub and how they may impact and/or shape the future of transportation in Orange County.	Google Forms submission	Some of the questions will be address during RT#2 and within the MH Vision Statement Consider sending OCTA's a vision statement with challenges and opportunities -- Create a public FAQ on the website. The objective of this is to generate true definitional buy-in of how mobility hubs address their problems.
Define and obtain better understanding of purpose and need of the development; and Define scope and delivery approach, for example will there be a uniform hub platform.	Google Forms submission	
Better understand purpose and need of mobility hubs and high-level defining of scope	Google Forms submission	
Understand what mobility hubs are; purpose and need; identify locations of existing mobility hubs in OC; identify potential future locations; how they fit in to the rest of our transportation improvements	Google Forms submission	
Understand the goals and purpose for the study and how it fits into SCAG.	Google Forms submission	
Defining of scope at a very high level	Google Forms submission	
How do participants SEE a mobility hub, what's similar/different? Can we make a consensus?	Google Forms submission	

Questions/Concerns Raised	Responses	Suggested next steps for the Team
Can locations be both a mobility hub and something else - train station or storefront.	Yes -Mobility hubs are frequently colocated with public transit. Vending and other private business ventures alongside mobility hubs have been concepted	pictures in octa.net/ocmobilityhubs and final document. Consider grouping examples by lens (i.e. regional vs. local, station-based vs. curbside, public vs. private).
Can we be two things at once? multi use / purpose space	Google Forms submission	
Would like to see what others see as mobility hubs, in order to get a consensus	Google Forms submission	
Develop framework for Mobility Hubs across Orange County, build support for advancing Mobility Hubs	Google Forms submission	This is to be determined through the typology approach and prototype propositions
Are we planning for the creation of a mobility hub network, and if so, are we identifying existing locations that are used as mobility hubs informally?	Our study will examine locations that are being used as informal mobility hubs; we'll also delve further to understand "why" the locations are appealing.	This is to be determined. The focus of the current effort is the strategy for a countywide network of Mobility Hubs, not the specific implementation of any Mobility Hubs themselves. Any subsequent development of Mobility Hubs will require partnership with other parties and that will likely influence the number of hubs over time.
Grow bus ridership	Google Forms submission	Make sure the strategy integrates other OCTA's project, especially the OCTA Bus Redesign Plan
Do well at getting people between cities, but not as good with small local movement; bridge local/regional travel gaps	Google Forms submission	Typologies will be composed of primary and satellite hubs - whereby primary hubs are located at Passenger Rail stations / major transit centers and satellite hubs are located within a one-mile radius of primary hubs.

What essential elements should the strategy be focus on?

2.4 The table below summarizes the main elements stakeholder suggested the technical team to pay attention while preparing this strategy:

Table 3 Key insights to prepare the strategy

Questions/Concerns Raised	Responses	Suggested next steps for the Team
Intrigued in the phrase "Sense of Place" - what are people doing here besides travel? Can it be an activity center as well, in and of itself?	There has been a lot of discussion about activity centers, community space, vending, etc. These ancillary uses are being considered in other regions; whether these ancillary uses are applicable in Orange County remains to be seen. It's something we can explore. A big consideration is ensuring that mobility hubs blend in naturally with their surroundings, so a natural fit for ancillary uses is vital.	Provide more details in the Action Plan related to potential activities at mobility hubs (e.g. via use cases) Emphasize the importance of amenities such as low-income services, cash payment kiosks, free wifi, etc. may end up being shared benefits.
It's important that mobility hubs demonstrate a sense of livability to it. We can create a space that ties into the lifestyle of the people nearby. For example, if we're creating a mobility hub next to a Metrolink station, we want to be sure to create a space that's still usable regardless if Metrolink is running or not... so that it's a usable space whether I'm using the Metrolink or not, it could be park, or have screens there or has informational screens. We want to encourage a space where people can find utility even when not using it for mobility per se.	Incorporating additional amenities or comfort items that can benefit non-riders and riders alike can encourage greater activation from the broader community while also benefiting transit users. It also can make a difference in converting members of the community that don't use public transit.	
Strategy that incorporates bus stops into a design that works for everyone in the community.	Google Forms submission	
That tailors to the different mobility needs and especially in low-income and transit dependent neighborhoods. Create a framework that incorporates collaboration with other mobility options. Includes amenities to attract other people to the hub	Google Forms submission	

Questions/Concerns Raised	Responses	Suggested next steps for the Team
Locations and project specific implementation strategies. Infrastructure and costs. Stronger inter-agency partnerships.	Google Forms submission	Consider including in the final document both identified elements and recommendations for all three elements of mobility hubs networks: physical, digital, policy. Policy should address stakeholders, pertinent regulations and resources, and funding.
Implementation recommendations, policy/funding considerations, discussion about scalability/pilot, kit of parts	Google Forms submission	
Clear vision for county-wide Mobility Hubs; how it might work as a network to support multimodal mobility	Google Forms submission	
I would like to see an implementable plan that creates a network of first/last mile options for commuters who wish to leave their car at home or at the mobility hub, whether they are traveling locally or cross county using the bus or Metrolink. A plan that embraces all forms of commute from OC Bus to TNCs to active transportation and improves safety and the user experience. Lastly, some of the hubs themselves could be considered a point of interest depending on their location.	Google Forms submission	Consider articulating a strategy/ vision for how disparate mobility hubs projects can fit into a unified and countrywide mobility hubs network by addressing key questions: what elements should be shared (i.e. signage and street markings, digital elements, regulatory framework, governance, data standards), how can agencies coordinate and grant applications?
Identified funding	Google Forms submission	
I'd like it to be visual - illustrations of mobility hub components; maps; steps to coordinate and execute; important stakeholders/partnerships for OCTA's consideration (public and private); funding opportunities	Google Forms submission	See suggestion above re: visuals.
We do a pretty good job getting people across the region, but passengers need to get to someplace local that's not near a train station. Hoping the mobility hubs approach can bridge the regional and local travel gaps.	We believe the bus and train should remain the backbone of smart cities mobility. The purpose of public agencies and cities is to utilize its resources, such as real estate and grid power, to allow private industry to enhance rather than compete with public transit. The goal is to make transitions from one mode to another as frictionless as possible.	See suggestion above re primary and satellite mobility hubs.

Questions/Concerns Raised	Responses	Suggested next steps for the Team
Stops and Zones (bus stops) must have enough sidewalk ROW to accommodate multi-use (bicycle rack, bus shelter, etc.)	Google Forms submission	Consideration to be taken for the prototype Task 4.
If there is taxi service, then there should be enough road length to accommodate all modes at the bus stop. (it's generally seen as not ideal for bus operations to mix the two as it often leads to issues of cars blocking the bus). Case example at SB Harbor-East Shuttle Way (Disneyland). Often taxi would park for extended periods of time mid stop, blocking most of the ingress to the bus stop. Eventually the taxi pickup/drop off was moved to a different location.	Google Forms submission	Consider adding recommendations for curb length minimums and targets in the final prototype.
Reviewing complements/issues with the MPAH	Google Forms submission	To be considered for the MH Vision Statement
Serving existing travelers that utilize multiple modes, supporting shift away from SOVs	Google Forms submission	To be considered for the MH Vision Statement
VMT reduction. High usage rates by the OC public, travelers, and/or those working in OC. Stronger connections between transit and businesses, points of interest, and even residential communities for commuters that rely on transit.	Google Forms submission	To be considered for the MH Vision Statement
I hope with mobility hubs we can better understand the needs of the people, and where services are lacking. Personally, I'm working on a MaaS whitepaper, so I'm looking forward to integrating the two projects.	Excited by the attendance, which validates that the region understands the importance of collaboration.	Consider one-on-one interview and request draft of SCAG MaaS white paper to analyze potential crossover and synergies of studies.
This ties into a Mobility as a Service Feasibility whitepaper SCAG is working on and would be great to see how these can be tied into the framework we developed for the study and the MaaS implementation	Google Forms submission	

=

3 Part 2: Typology Approach

3.1 This section of the report provides a summary of the main elements discussed during the typology approach exercise. The main objectives of this section of the roundtable were to:

- Introduce mapping tool created and used by the consultant team to identify ideal mobility hub's locations, group locations by user type and purpose. The tool overlays various heat maps, placemaking, and corridor characteristics based upon current and future planned improvements.
- Introduce preliminary findings from mapping tool - codifying OC into seven location types: Downtown, University, Transit Center, Entertainment Center, Park & Ride/ Parking Garage, Residential Neighborhood, and Neighborhood Centers.
- Get feedback on potential locations to consider.

3.2 The mapping tool provides spatial analysis to estimate the suitability of mobility hubs in Orange County, considering land use and transportation factors as well as entertainment, tourism, and education destinations. The Project Team can use this tool to begin to identify areas where demand may be sufficient to warrant further exploration of mobility hubs and associated services. Various data layers have been provided to help the team better understand potential policy implications for mobility, accessibility, and equity. The use of this tool is only the first step in a broader analysis that will include public/stakeholder outreach (including outreach to private mobility service providers) and site analysis.

Feedback on the classification approach

3.3 For this exercise, we ask people what key factors should be considered when classifying hubs? The below table is summarizing the discussion:

Table 4 Classification approach feedback

Questions/Concerns Raised	Responses	Suggested next steps for the Team
The first factor is the network fit and how mobility hubs fit into the network design. If mobility hubs are meant to fit into the broader mobility network, then how does it fit into the network?	This question will be addressed in Roundtable Two: Network.	Consider fit of all public and quasi-public transit options (i.e. Metrolink, OCTA bus, OCFlex, FRAN, etc.), and offer recommendations for how to incorporate them into a mobility hubs network in the final document.
What's the potentiality of future sites and alternative sites as Orange County continues to exist into the future -- new developments, people move, people go to school -- what will be the conditions for new mobility hub will be established, or change its nature, or graduate into a bigger role?	We need to think dynamic, not static, because locations and needs will change. But also people in policy because staff will also change.	To be considered in the clustering approach Consider using a 3-5 year time horizon for the final document. This may entail specific recommendations based upon future realities in land-use, funding sources, and technological realities.
Characteristics and demographics of potential users and geographic locations, both existing and planned land uses should be considered. The residential demand in Orange County may provide opportunities for low-hanging fruit to make small changes to nearby bus stops, for example, to improve its function to the surrounding area. Also want to note opportunities to plan around new developments and make mobility hubs a part of the site plan or route plan.	It's really about inserting the idea of mobility hubs early in the process, when it is easy to implement, rather than playing catch up when it's more expensive and difficult.	
We should consider existing modes, and how to incorporate them into mobility hub locations. For example, if we have a Metrolink or bus stops, how can we make sure other modes that are added consider them. We also want to consider interoperability and how to solidify partnership with public / private operators.		Existing modes will be considered in the component's analysis
We can also think about design and ask what we're trying to achieve. There's lots of designs that can be incorporated and tailored to local communities.	Every city has its own unique design, the trick is trying to create a unified look and identity amongst heterogeneous neighborhoods.	See suggestions above re: strategy/ vision for how disparate mobility hubs projects can fit into a unified and countrywide mobility hubs

Questions/Concerns Raised	Responses	Suggested next steps for the Team
	(1:12:10) We are taking into consideration design guidelines from planning documents from OCTA Complete Streets Guidelines and other planning documents.	
How are we going to incorporate equity, especially as we look to go into low-income and transit-dependent communities.	The equity lens is being considered in the mapping exercise; we are using datasets to help us add to the suitability map. This is where stakeholder roundtables and community outreach are being performed, as data and quantitative analysis are not enough.	Better communicate about the equity approach the project has at each step of the tasks
Who is going to lead the main elements that are going to be proposed at mobility hub locations? Are you going to rely on public or private sector? Or whoever owns the land?	We will discuss this in more detail in future roundtables.	See suggestions above re: strategy/ vision for how disparate mobility hubs projects can fit into a unified and countrywide mobility hub

3.4 The participants were then introduced to the initial seven Typologies of Mobility Hubs in Orange County as presented in the figure below:

<p>1. Downtown areas</p> <ul style="list-style-type: none"> • City core areas – small businesses and destinations clustered together • Connections to high-frequency transit • Used by employees, visitors, residents • Space and parking could represent a constraint for identifying areas <p>Examples (in and out of OC)</p> <ul style="list-style-type: none"> • LADOT Mobility Hub @Wilshire Grand • Downtown Santa Ana 	<p>2. University</p> <ul style="list-style-type: none"> • High population density, important trip attractor but also high density living • Less access to a vehicle, non-regular trips, more open to alternative modes, early technology adopters, cost conscious • High number of faculty and staff, expensive to supply sufficient parking <p>Examples (in and out of OC)</p> <ul style="list-style-type: none"> • UCLA • University Town Center (UCI) 	<p>3. Transit Center</p> <ul style="list-style-type: none"> • Metrolink/Amtrak Stations • Multimodal interchange and transfer hubs • MH is adjunct to existing transit station • Larger scale, higher demand, larger range of services <p>Examples (in and out of OC)</p> <ul style="list-style-type: none"> • Caltrain SF Mobility Hub • Platinum Triangle / ARTIC 	
<p>4. Entertainment Center</p> <ul style="list-style-type: none"> • Occasional visitors, relevant/accessible info for first time users • Event centers experience high spikes in demand • Similarities/overlaps with university or transit center <p>Examples (in and out of OC)</p> <ul style="list-style-type: none"> • Staples Center • Newport Beach Marina Park 	<p>5. Park & Ride/ Parking Garage</p> <ul style="list-style-type: none"> • Important for first/last mile interchange • Modal interchange with public transit • Potentially good to pilot in South Orange County <p>Examples (in and out of OC)</p> <ul style="list-style-type: none"> • San Antonio Via Transit • The Anaheim Resort with FRAN 	<p>6. Residential Neighborhood</p> <ul style="list-style-type: none"> • Accessible interchange from 1st Mile to shared/ pooled rides. • Trip origins - homes • Should be identified with local-representatives and be connected to larger hubs <p>Examples (out of OC)</p> <ul style="list-style-type: none"> • Sacramento Regional Transit 	<p>7. Neighborhood Centers</p> <ul style="list-style-type: none"> • Local Core • Grocery stores, medical centers, parks, schools, gyms, schools/daycares • Should be identified with local-representatives and be connected to larger hubs

Feedback on the preliminary typologies

3.5 We then opened up the discussion to ascertain what typologies resonated with the stakeholders. The table below summarized their main comments:

Table 5 Typologies feedback

Questions/Concerns Raised	Responses	Suggested next steps for the Team
On the spectrum of nodes in a mobility universe, what's the expanse of things we're considering in mobility hubs? For example, are big transit centers too big to include in a mobility hub? Or a hub at a campus or major intersection, or at a smaller level at individual bus stops or scooter drop-zones, are they too small?	<p>This goes back to the definition of mobility hubs. Per definition, we need to talk about flexibility to what the needs are. In summary, YES, we want to consider transit centers and universities.</p> <p>Regarding smaller form factors like scooter drop-zones if we were to decide that in a specific hub where we have bike share or micromobility parking that's going real well, and demand confirms this, then YES we want to consider these locations.</p>	Typologies Approach will cover that question
I think a lot of those places can be mobility hubs. For this study, you really want to define the problem you want to solve first -- what is the purpose and need of the study. First, defining what the problem is, and what the goal of the study is, then we can determine locations based on that.	<p>This is the exactly right, and it's a conundrum that a lot of cities are grappling with. Another vernacular being used is primary and secondary hubs, with the same purpose of identifying problem and solving purpose/ need based on existing built environments.</p> <p>It also depends upon the lens... for SANDAG, their purpose is to solve regional mobility, so their definition of mobility hubs are much larger As we get closer to the ground-level, another question is posed.. are mobility hubs physical or digital? They are both... some mobility hubs will have physical components will be digital</p>	To include in the Purpose-Need Definitions section
Who are we trying to serve? This needs to be defined in this project, to be better defined as part of this study. That will best identify ideal locations. What are the challenges of people we are trying to serve?	We will focus on these issues more in future roundtables two and three.	
Who do we want to serve, equity, and how do we address the homeless? How can we design locations -- bathrooms, shade, enforcement -- to best attract users. While we don't want to preclude people from using it, but we do want to make sure they're used in a proper and respectful manner as well.		To be considered in the MH Vision Statement

4 Part 3: Suitable location Exercise

Major attractors and new locations

- 4.1 We conducted a location exercise using Google Sheets. Our initial Mobility Hub Suitability Analysis yielded 42 high value locations and were listed in alphabetical order. Stakeholders were asked to rank locations on a 1-3 scale (1 equals a low-priority site, 3 equals a high-priority site) and encouraged to add locations as they see fit.
- 4.2 Below are the results of the Top 20 locations in descending order, as well as a list of 19 new locations that stakeholders submitted:

Table 6 High-valued and new locations to consider

High Value Locations	New Locations
Downtown Fullerton	Laguna Hills Mall / Transportation Center
Downtown Santa Ana	UCI Medical Center - Orange
CSU Fullerton	Saddleback Community College
Platinum Triangle / ARTIC	El Modena
University of California Irvine	Laguna Niguel Metrolink Station
Laguna Beach Downtown	Buena Park Metrolink Station
John Wayne Airport / UCI North Campus / Irvine Business Complex	San Juan Capistrano Metrolink Station
Downtown Brea	Disneyland Resort - East
Irvine Spectrum	Fullerton Park and Ride
San Clemente Pier Metrolink/Amtrak Station	Old Town Tustin / Larwin Square
Brea Mall	Golden West Transportation Center
Downtown Huntington Beach	Disneyland Resort - West
Santa Ana City Hall / Downtown Plaza	Tustin Metrolink Station
The Anaheim Resort	Anaheim Canyon Metrolink Station
University Town Center (UCI adjacent)	Irvine Metrolink Station
Downtown Orange (Orange Plaza Square / "The Circle"/Metrolink Station)	Santa Ana Metrolink Station
South Coast Plaza	Santa Ana College
Dana Point Harbor	
San Clemente (North) Metrolink Station	
UCI / University Research Center	

4.3 This exercise helped in three ways:

- Revised the priority of our original high value locations.
- Added an additional 19 high value locations.
- Shifted our focus from locations themselves into location clusters.

Further feedback on specific locations and local mobility offers

4.4 This section concluded with a Google Forms to ascertain tidbits of information regarding opportunities and challenges of some locations and vehicles that were used in the cluster approach analysis. Below are the results of the Forms:

Table 7 Locations and local mobility offers feedback

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
Good - Metrolink/Amtrak station, OCTA transit	Google Forms submission	This confirms our team's studies on top location types.
Good - Train stations, highly traveled destinations	Google Forms submission	
Good - Areas near universities, high transit ridership/active transportation areas, employment centers, rail/bus stations	Google Forms submission	
Good - Community locations	Google Forms submission	
Bad - SB Harbor-East Shuttle Way (Disneyland), Orange County. Often taxi would park for extended periods of time mid stop, blocking most of the ingress to the bus stop. Eventually the taxi pickup/drop off was moved to a different location.	Google Forms submission	Consider using SB Harbor-East Shuttle Way as a case study, specifically to highlight problem-solution and identify insights and recommendations for modelling this at future locations.
Some of these locations -- Westminster, Little Saigon -- are entire blocks. Locations need more specificity..	This is exactly right. Each locations can have many mobility hub locations. The interplay of travel between nearby mobility hubs is vital, and will be discussed in future roundtables.	Consider ranking locations by number of location types held within it, and studying location clusters rather than locations.
A note about OC Vibe, near the Anaheim Ducks or Stadium has three planned mobility hubs as part of their development project; this is something to consider.	Very helpful, we will consider these locations.	Study these locations, and consider adding recommendations for how to incorporate future private mobility hubs locations.

Questions/Concerns Raised	Responses	Suggested next steps for the Team
General - Seems like this is specific to the location and place in the larger network (e.g., TNC later in day/evening, shared bikes near beach communities, etc.)	Google Forms submission	Merits further consideration; vehicle relevance not only by location type and location setting, but also time-of-day considerations, including how this may affect or re-purpose land-use.
General - Type of vehicle (s) depends on the location - you can't have a bike hub in a community that doesn't use bikes	Google Forms submission	
Good - Bike station at bus stop seems more feasible.	Google Forms submission	
Good - Seems like mobility hubs focus on transit, TNCs, microtransit, shared mobility options, etc.	Google Forms submission	Consider being more explicit about colocation of mobility hubs with public transit.
Bad - Very difficult mixing bus and uber, lyft, taxi services, etc. due to operational issues.	Google Forms submission	Consider simplifying the message (i.e. do's and don'ts of colocation).
Bad - Mobility hubs located in low-density land use areas. Easier for travelers to utilize vehicle use for first-/last-mile connections. Hubs with a large amount of parking would also disincentivize rideshare use as an alternative.	Google Forms submission	Consider a specific section on first-mile or residential mobility hubs, especially since a large swath of Orange County qualify as bedroom communities.

Table 8 Relevant initiatives and pilots to consider

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
Connections to Project V shuttles, special events	Google Forms submission	Study Project V shuttles and list recurring special events. Consider a section on "ad-hoc" or digital-only mobility hubs.
Transit agency-led bike share programs (LA Metro bike share, Biki in Honolulu)	Google Forms submission	
Metrolink, public transit stop, on-demand services, bike ride	Google Forms submission	

5 Next Steps

Roundtable Session Two

- 5.1 Participation during Stakeholder Group One demonstrated a clear need to devote additional time to identify Problem/ Solution of mobility hubs. As a result, Stakeholder Group Two: Network will adjust its emphasis to identify:
- WHY are mobility hubs needed in Orange County?
 - WHAT does an integrated mobility hub network look like?
 - HOW can mobility hubs address big problems for Orange County?
- 5.2 Date is set for October 6th - 9am to 11:30am PT
- 5.3 Stakeholders from Tier One and Tier Two are invited - this is the same list of invitees as the last Roundtable to reduce the need for re-introductions.

Appendix

Report
December 2021

Stakeholder Group #2 Summary Report

OCTA
23997301

steer

Report
December 2021

Stakeholder Group #2 Summary Report

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The logo for Steer, featuring the word "steer" in a bold, lowercase, sans-serif font.

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Appendix

A Slides Deck

Executive Summary

The second Stakeholder Groups Roundtable, Network, was conducted on October 6, 2021, with 16 participants from OCTA, Caltrans, SCAG, and SCRRRA (Metrolink). The main purpose was to probe deeper into Purpose / Need and Problem / Solution by asking three key questions:

1. **WHY** are mobility hubs needed in Orange County?
2. **WHAT** does an integrated mobility hub network look like?
3. **HOW** can mobility hubs address Orange County's key challenges?

Key insights that were gleaned from this roundtable are:

1. **Multi-jurisdictional land-use control is the most cited problem.** This can result in inconsistent policies and enforcement between the local and regional level (i.e. Metrolink stations; ROW)
2. **Policy often lags behind on-the-ground realities.** Policies are often outdated or do not address new and emerging issues related to technology-led innovations, such as: California vehicle codes that do not address the proliferation of delivery vehicles and funding misalignment or gaps that prevent addressing emerging issues.
3. **Growing opportunity gap.** Some communities are lacking equitable access to mobility options especially in low-income and transit dependent neighborhoods.

Cooperation is important early in the design process. This applies to both publicly owned and privately financed projects. Input from all stakeholders early in the design process is recommended.

1 Introduction

Background

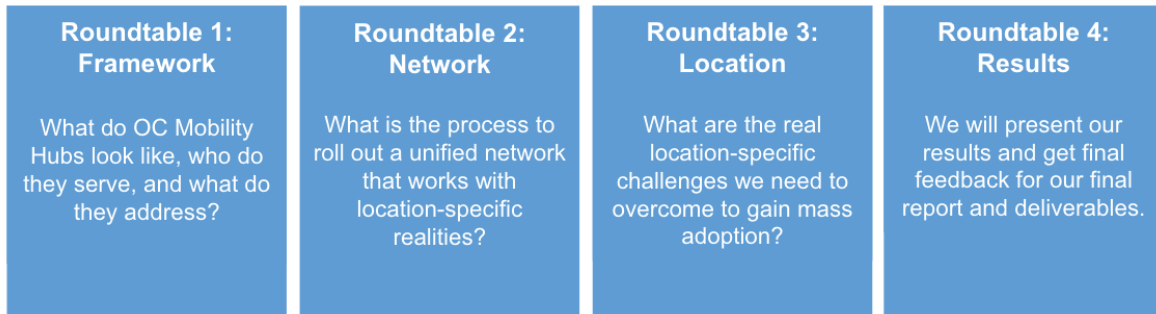
- 1.1 While every region is unique in its own way, and on-the-ground realities can often contradict generalized descriptions, Orange County is truly as diverse as it comes.
- 1.2 A mobility hub strategy that accommodates such a diverse community is an immense challenge, made all the more challenging given the wider region's car-centric culture. As Orange County continues to grow and evolve, OCTA is tasked with creating a transit system responsive to changing user needs and regional demands. Mobility hubs can be part of a solution. A coordinated approach is required to help facilitate greater planning, coordination, and execution to develop an integrated and holistic solution to getting around Orange County using alternative means.
- 1.3 The Orange County Mobility Hub Study explores how mobility hubs might benefit Orange County residents and visitors, how they could be planned and designed, and identify a potential network of locations. This strategy serves as an opportunity to improve connectivity and increase sustainable transportation options throughout the county while addressing traffic congestion and pollution caused by vehicle emissions.
- 1.4 Collaboration will be key for this study and we have started an extensive stakeholder and public engagement through Fall 2021. The stakeholder Outreach (Task 2.2) is led by Tranzito, with oversight from Steer, to facilitate activities and discussions with core stakeholders in Orange County.

Main Approach

Stakeholder Roundtables Main Goals

- 1.5 There are three key objectives of Stakeholder Engagement, all of which will be achieved through Stakeholder Groups:
 - Goal 1: Educate stakeholders on the concept of mobility hubs. Define what mobility hubs could become in Orange County and how they could contribute to resolving access and traffic challenges.
 - Goal 2: Collaborate and provide a user-centric perspective to the OC Mobility Hubs project, final deliverables, and recommendations.
 - Goal 3: Foster buy-in and a sense of ownership from stakeholders on the OC Mobility Hubs project and final deliverables.
- 1.6 Four consecutive stakeholder groups are designed to build upon each other in a progressive format, each with distinct topics to allow stakeholders the ability to participate to the appropriate

extent. A fourth stakeholder group is used to share results and offer a final opportunity for input and validation:



1.7 Each Stakeholder Group (and each topic) will be approximately one month in duration. PDT members are invited to a pre-Stakeholder Group meeting (for PDT members only) and attend the Stakeholder Group meetings. Stakeholder Group members are composed of key stakeholders throughout Orange County, and are designated by tiers 1-4:

- Tier 1: OCTA PDT members and other directly relevant staff.
- Tier 2: Public agencies with direct real estate, infrastructure, and assets.
- Tier 3: Key CBOs and property owners.
- Tier 4: Key mobility operators (NOTE: not a part of outreach exercise).

Meeting Format

1.8 Meetings are ninety minutes in duration and are designed to maximize collaboration and insights. Roundtable meetings begin with a brief introduction, with the majority of time devoted to eliciting feedback -- alternating between Discussion, Brainstorm, and Analysis exercises -- along with information dispersal and validation of key findings and statements. Meetings conclude with Next Steps, to encourage ongoing participation and learning opportunities. A follow-up email is sent to solicit additional feedback.

Stakeholder Roundtable Framework

Planning

1.9 The roundtable was held on October 6, 2021, between 9:30 am - 11 am (PST) on the Microsoft Teams video conferencing platform and had 16 participants:

- 12 members of OCTA
- 4 members from Caltrans (2), SCAG (1), and SCRRRA (1)

1.10 The workshop was planned and hosted by Tranzito in collaboration with staff from Steer. Collaborative tools Google Forms and Mural were used. A post-meeting email was sent to solicit further feedback.

1.11 The main goal of this second roundtable was to probe deeper into Purpose - Need and Problem - Solution of mobility hubs. While the first roundtable began with defining mobility hubs in general and how mobility hubs can be defined for Orange County, the second roundtable took this

definition and showed how mobility hubs fit into the broader transportation network in Orange County. Specific questions that we looked to answer were:

- **WHY** are mobility hubs needed in Orange County?
- **WHAT** does an integrated mobility hub network look like?
- **HOW** can mobility hubs address big problems for Orange County?

1.12 The slides have been attached for reference as an Appendix of this document.

Attendees

The following Table presents the Roundtable One attendees list:

Table 1 Attendees

Tier 1: PDT and key OCTA staff		Tier 2: Public Agencies	
Warren Whiteaker	OCTA	Irene Hou	Caltrans
Cliff Thorne	OCTA	Cole Iwamasa	Caltrans
Megan Taylor	OCTA	Priscilla Freduah-Agyemang	SCAG
Lloyd Sullivan	OCTA	Rory Vaughn	SCRRA
Stephanie Chhan	OCTA		
Christina Pirruccello	OCTA	Consultant Team (Tranzito, Steer, Arellano)	

2 Part 1: Why are Mobility Hubs Needed in Orange County

Overview

2.1 To set a baseline for this concept, we began with a restatement of the purpose/need of mobility hubs in Orange County, specifically within the greater transportation network. We approached this with a discussion exercise around four topics:

- Re-state our team’s thoughts on how mobility hubs can benefit the region: equity, transit support, sustainability, and liveability.
- Solicit key challenges that stakeholders face based around the following lenses: physical, digital, policy, funding, interagency.
- Solicit planned opportunities and projects in the following areas: infrastructure, transit projects, policy plans, funding, innovations.
- Re-state OCTA’s current purpose/need statement for mobility hubs.

2.2 Stakeholder discussion focused on the challenges in the “physical’ and “interagency” realms. Responses are grouped in the below table according to relevance, and formatted into three sections:


- Questions / Concerns raised: Stakeholder responses were transcribed as entered via Google Forms or open dialogue (with light spelling/grammar edits as needed)
- Responses (from the facilitator team or OCTA staff)
- Suggested next steps for the Team: Facilitator’s commentary







Key challenges highlighted


The table below summarizes the overall feedback stakeholders shared regarding main challenges:

Table 2 Key Challenges feedback summary

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
Physical challenges, we should think about infrastructure that is needed to address challenges at a Metrolink station or bus station or Uber/Lyft pick up zone or EV charging station, what do we have to do in terms of expansion and traffic navigation in	Mobility hubs can be flexibly designed to work in any physical environment, and the modes offered should make sense given the built environment and use-cases required.	Consider building mobility hub typologies that are relevant to Orange County. These typologies can be classified in multiple ways, but the most actionable may be location-based (i.e.

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
<p>and out of (Metrolink station for example). Infrastructure is key and design in general is critical. We need to make sure different land-uses speak to each other in mobility hubs.</p>	<p>Curbside mobility hubs -- sometimes called satellite or secondary hubs -- re-purpose existing on-street parking spaces along with adjacent furniture-zone sidewalk space. A kit-of-parts approach can then augment this framework to be consistently applied to multiple physical spaces and their inherent constraints and realities.</p>	<p>Metrolink stations, bus stops, curbside, university, park and ride lots), and offer a kit-of-parts menu of key amenities, elements, vehicle modes, funding sources, and stakeholders.</p> <p>Consider a mobility hubs kit-of-parts with standardized dimensions of each element (bike parking options, EV charging stations, shared lockers, etc), to allow planners to easily consider different options.</p>
<p>Physical, space ROW is an issue - is there actually space to accommodate things like secure bike parking and others.</p>	<p>Mobility hubs can take the form of park and ride lots (at the first mile) and surface-level parking lots (at the last-mile), with each playing very different roles. First-mile solutions act as traditional parking for SOVs, whereas last-mile solutions may also act as micro fulfillment delivery depots.</p>	<p>To be considered in the prototype design</p>
<p>Physical, if SOV is being used for transportation, how is parking considered? It makes sense for mobility hubs at a Metrolink station, but in a community where people drive, where do mobility hubs play a part?</p>	<p>First-mile issues remain the most difficult challenge for intermodal travel.</p>	<p>Inter-agency collaboration from the start of the implementation will be key to identify solutions for .</p> <p>It is also important to recognize land-use holistically with mobility/travel considerations. For example, a park & ride lot that is far from the next leg in the trip journey (public transit stop, final destination, etc.) may be underutilized and not solve existing land-use problems.</p>
<p>Physical: I don't see taxis and ride-share with bus stops. They are conflicting and I don't see them ever working very well, they should be separate.</p>	<p>Co-location of various use-cases might create a stacking approach to land-use - increasing utilization and occupancy - which theoretically would result in a net reduction in land required for mobility purposes. This of course</p>	<p>Bus stop integration, if it happens at all, will be much later in the mobility hubs rollout. Re-allocation of on-street parking will come first.</p>


Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
	is contingent upon tight coordination, otherwise issues like the SB Harbor-East Shuttle Way (Disneyland) will result.	
<p>Interagency coordination, with public transit like buses and trains, but also private operators as well... How can we coordinate data and make sure they're working together? It has to be coordinated from a policy standpoint, because public agencies and private operators want different things, before we begin with design we need to coordinate policy and how all these things work together at one location.</p>	<p>Mobility hubs create a shared focal point for both public and private operators. This shared focal point, given its ability to increase the sum of its parts in regard to usage and visibility -- and its ability to reduce expenses for all, provides a natural incentive for participants to cooperate. Mobility hubs are all three things: physical, digital, and policy.</p>	<p>Lesson to learn from stakeholders that are currently working on MaaS (e.g. SCAG), general inputs from OCTA on their data management  policy, and from other P3  projects regarding data, such as Open Mobility Foundation (OMF) and Open Transportation Initiative (OTI).</p>
<p>Sometimes we get into agreements with local cities on areas where we can implement a park & ride, but when we get into project level negotiations on issues like enforcement and amenities they hope to see, our hands are a bit tied.</p>	<p>Land-use control is often multi-jurisdictional, as are the modes that use the land. Mobility hubs is the framework to address this issue. By developing a shared definition of mobility hubs and codifying rules of engagement and enforcement, future bottlenecks can be  ted. It's important to refer  back to mobility hubs serving local community needs. This may help mitigate local concerns and engender greater cooperation.</p>	
<p>Interagency, oftentimes we're working with city ROW and they have the ultimate say.</p>		
<p>Policy often needs to be updated to today's challenges (i.e. we have to fall back on CA vehicle code, and sometimes the codes are written X-years ago and haven't been updated) for enforcement.</p>	<p>The speed of innovation will only increase in the years ahead as technology increasingly becomes embedded into mobility and smart infrastructure. Therefore, a framework-based approach rather than a strict codification-based approach, may be more relevant. While this inevitably brings up concerns of different interpretations and  ications, a performance-based  metrics-based application may offset these concerns.</p>	

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
<p>Funding is top-of-mind, since there isn't specific dedicated funding for mobility hubs. (i.e. requires creativity, state highways operation protection program - but takes some justification and cajoling to get people on our side).</p>	<p>Mobility hubs should be seen as a tool/ potential solution to larger transportation network issues (i.e. access, equity, land-use, intermodal travel). And identifying funding sources that are not directly for mobility hubs, but to address problems that mobility hubs can solve, is key.</p>	<p>Consider an a la carte approach to final mobility hubs network development, matching policy goals with specific elements and funding ces.</p>
<p>Institutional, the job and housing dichotomy highly impacts the uptake of non-SOV mobility - especially in our region where multi-modal options take much longer than sitting a SOV in congestion to make your daily commute. Political interests of decision makers may not align with non-SOV mobility (some cities still seem to be stuck on LOS analysis).</p>	<p>Google Forms submission</p>	<p>Consider focusing on two distinct mobility hubs scenarios:</p> <ol style="list-style-type: none"> 1. Location clusters that allow non-SOV travel within a defined neighborhood or district. 2. Longer distance commutes with readily accessible public transit; these commutes will likely reduce the delta between driving (especially during rush hour times) and public transit and/or multimodal travel. <p>Also, while some cities may still consider LOS as it is embedded in their General Plans, for CEQA purposes, they will still need to consider VMT impacts – which is not limited to commute travel.</p>
<p>Biggest challenges: Safety; interagency interest; interagency coordination/interagency vision & goals; funding; comfort; reliability; ease of use; speed; Equity, language barriers, technology/economic barriers, ableism in design/mode options</p>	<p>Google Forms submission</p>	

What are the main opportunities?

2.3 The table below summarizes the main elements stakeholder suggested the technical team in terms of potential opportunities offered by the OC:

Table 3 Main Opportunities summary

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
Park and Rides are an opportunity.	Agreed, Park and Rides are a practical solution to encourage intermodal trips using Metrolink as the mid-mile solution in Orange County.	Given the high prevalence of SOV travel, Park and Ride mobility hubs typology is highly recommended.
MaaS. Right now, there's a lot of misconceptions of MaaS and what kind of opportunities they present. In order for these modes to cohabitate, we have to think about how these things will be coordinated. I believe having mobility hubs and MaaS is going to be great - it would be great to see all these services on one app. In this whitepaper, we're looking into how MaaS can be implemented, including challenges like physical and funding. We're looking at case studies to understand best practices (i.e. Berlin's mobility hubs with MaaS). Of course these two things work together, and it would be great to capture our findings from the white paper and incorporate them into Mobility Hubs strategy.	MaaS and mobility hubs are absolutely related, and in fact, the carrot approach of allowing use of mobility hubs (such as curb space, access to grid power, etc) in exchange for data integration is a promising strategy to consider. This strategy works regardless of which MaaS program(s) is used - white label transit-led MaaS app or private MaaS apps - and actualizes the Physical - Digital - Policy nature of mobility hubs.	MaaS is an enabler of Mobility Hubs and should be considered in the Action Plan
I think that we need to consider the goal/vision for this study and focus on who the mobility hubs will serve. I think the way this roundtable and the discussion framed seems like we are intending for mobility hubs to  ce SOV trips. This implies that we're looking at ways to provide mobility hubs in areas where it may be harder to implement - e.g. as a daily commute option or for short trips within a community. It doesn't sound like the focus is for areas where a mobility hub wouldn't affect the number of SOV trips (but may be super successful) such as a downtown area or nearby schools. It may also be important to	Google Forms submission	Personas analysis will be created for the final document, demonstrating the various use-cases of where mobility hubs play a role. For example: 1. Point-to-point user journey: Utilizing a park and ride mobility hub to Metrolink to station-based mobility hub. 2. Location cluster user journey: Utilizing multiple mobility hubs to travel around a downtown district without a car.

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
reconsider the framing of mobility hubs in relation to SOV trips, because those who are transit dependent may benefit even more from a mobility hub.		Re: "I think the way this roundtable and the discussion framed seems like we are intending for (MHs) to reduce SOV trips" – Yes, this is a goal, but so is the goal to increase access, which the later point addresses.

3 Part 2: Mobility Hubs Ecosystem

3.1 This part of the roundtable was devoted to two brainstorming exercises in Mural, a digital whiteboard to facilitate group collaboration (Mural maps submitted in Appendix):

- Brainstorm One: Mobility hub ecosystem mapping
- Brainstorm Two: Connections in a mobility hub network

Brainstorm One: Mobility Hub Ecosystem Mapping


3.2 The mobility hub ecosystem mapping exercise solicited stakeholders to fill out all elements of a transportation network, split into six groups: funding, agencies/cities, policies, vehicles, locations, and physical/digital components. Listed elements were general by default (for example, ride-share), and the purpose was to quickly list elements without regard to applicability or value.

3.3 The explicit function of this exercise was two-fold: to act as a warmup and building block for later exercises, which required more mental exertion and analysis. However, the implicit function was to nudge stakeholders to view the entire mobility network as interrelated and interdependent; mobility hubs then act as the connecting fabric to the network.

3.4 If the stakeholders started by focusing on Funding/Policies inputs, the more discussions they had the more they started adding insights regarding land use, vehicles, physical/digital components, etc. It also led to a shared sense of importance for education and signage.

Table 4 OC Mobility Hubs Ecosystem Summary

Funding	Agencies/Cities	Policies
<ul style="list-style-type: none"> • Federal (e.g., CMAQ) • Caltrans (e.g., SHOPP) • Other State sources (e.g., AHSC) • SCAQMD • Private businesses/ developers, etc. 	<ul style="list-style-type: none"> • Cities (including Public Works Departments) • OCTA • Neighborhood transit operators • Caltrans • Utilities 	<ul style="list-style-type: none"> • State/ Local • Minimum standards for hubs/ visual and wayfinding standards • Environmental • SCAQMD • Regional consistency • ADA requirements • Data standards, coordination, public-private partnerships • Competition issues • Lease agreements
Vehicles	Locations	Physical/Digital Components
<ul style="list-style-type: none"> • Shared micromobility, including shared e-scooters • Privately owned bikes/ scooters 	<ul style="list-style-type: none"> • Large visitor attractions • OCTA transit centers • Neighborhood centers • Curb loading zones 	<ul style="list-style-type: none"> • Signage identifying a mobility hub • Signage identifying the location (e.g. city/neighborhood, what's there)

<ul style="list-style-type: none"> • Metrolink / Amtrak • OCTA Bus • Other transit vehicles • All (bike, bus, car) • EVs (both shared and privately owned) 	<ul style="list-style-type: none"> •  and Rides • Park and Rides • Metrolink Stations • Can it successfully be done at bus stops? 	<ul style="list-style-type: none"> • Wayfinding signage (how to navigate through the hub) • Ticket kiosks • MaaS • Real-time information • Mobile app • ROW to accommodate all vehicles • Bike lane • ADA pathways/ boarding areas • Bike parking • Lockers/ bike racks • Safety • EV charging • Amenities (e.g. retail, kiosks, coffee, device charging) • Shelters, waiting amenities • Curbspace management tools
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Brainstorm Two: Connections in a Mobility Hub Network


- 3.5 With content in place, stakeholders were quickly guided to an analytical exercise, considering connections between the six element groups, specifically to identify problems that prevent the network from operating smoothly.
- 3.6 The purpose of this exercise was to identify specific problems related to elements in the network. Given the brainstorming nature of this exercise, stakeholders were encouraged to mention problems without regard to their perceived value or ability to solve them. For now, the purpose - besides garnering problems to be used in the later exercise - was to unearth problems on a more granular level.

Table 5 Network connection

Funding	Agencies/Cities	Policies
<ul style="list-style-type: none"> • Opportunities for networks as part of VMT mitigation exchange? • Competitive environment • Capital projects vs ability to pay for ongoing Ops/maintenance • New subscription-based options for farebox? • Availability - collaboration between public and private sector? • Is funding sustainable? • ARTIC example: project funded but ongoing maintenance may be unsustainable • Often, funding is not on-going • Restrictive funding criteria • Fare revenue squabbles 	<ul style="list-style-type: none"> • Equity • Non-profit (public agency) vs. profit making (private sector) • Local-ish engineering/ design standards may hobble or preclude improvements • Environmental • Conflicting policies • Opportunities move and pass too quickly for environmental processes to accommodate • EV charging just a grant to local nearby residents? 	<ul style="list-style-type: none"> • “I think policy dictates everything” • Limited right of way • Low-income discounts • Constraints from legal concerns • Agency fragmentation • Insurance/Attorneys • Optimize ‘ease of use for rider’ vs ‘optimal bus operations’ • What policies qualify as mitigation? • Curbside management • Accessibility for bikes and pedestrians • Who controls the property (local interests vs broad initiatives) • Orphaned station • Ops - must think early in design
Vehicles	Locations	Physical/Digital Components
<ul style="list-style-type: none"> • Enforcement • Cueing of vehicles • Can’t afford it • Accessibility of vehicle types to users (e.g. are bikes one size fits all?) • Lack of access to digital services - including digital payments (equity) • Understanding the needs of the users with the least options • Cost of access to new mobility vs. traditional transit, need to subsidize services? 	<ul style="list-style-type: none"> • Competing use of transit spaces/ curbside • Truckers using Park and Ride as truckstop • Misuse of parking space • Development built around new mobility • Clear land use control responsibility? • New opportunities from legacy services or land uses (like freight rail yards, etc) • Competing over land use control • Space management at location with multiple services 	<ul style="list-style-type: none"> • Signage is hidden • Outdated/ damaged signage • Don’t know how to use components • Incomplete MaaS • Limited access to MaaS, tech or data • Does the customer know how to use the system? Can the customer use the system? (Equity, multi-lingual, education, smartphone use) • Training of new users



3.7 The below table summarizes the main elements of the discussion that took place during the brainstorm exercises:

Table 6 What are the enablers / challenges to implement OC Mobility Hubs

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
<p>Beyond providing a system that is connected, reliable, comfortable, safe, etc. - the way to encourage people to use mobility hubs requires a targeted approach specific to the generation/audience/community. For some, it may be encouraging the use of multi-modal options and a reminder of their own role and morals in sustainability/environmentalism. For others it may be teaching them how to utilize the system/technology. Employee reimbursement and benefits for multi-modal travel may also encourage the use of mobility hubs.</p>	<p>Google Forms submission</p>	<p>A stakeholder approach will be considered in the Action Plan to understand how to best create a unified or template-based education packet</p>
<p>Policies are not keeping up with current mobility challenges; statewide we're facing a truck parking shortage, which is resulting in truckers using park & ride locations as rest-stops, which is not identified in the CVC as an authorized use.</p>	<p> Demand delivery, package delivery and rideshare vehicles is a new reality that will only increase in demand.</p> <p>Re: allocation of parking spaces for long-haul trucks, Caltrans is starting a Mobility Hubs study to ascertain how it can use its surface-level spaces (many of which are located in and around downtowns underneath and adjacent to freeways). These may provide the long-term solution for overnight parking.</p>	<p>See suggestions below re: cueing stations.</p>

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
<p>Conflicting agendas. Trade-offs, when it comes to big transit hubs (i.e. train station where you want local bus routes to stop at) there's a trade-off between detouring the vehicle into the station (making walking path bus to bus and train to train more pleasant and convenient) vs. having a stop at the street (requires more of a walk and less amenities) but saves a lot of time on a bus detour making it much easier to manage for operators to serve that connection. Do I want to add 5 minutes to my thru passengers in order to make this connection to the train station? When designing mobility hubs, oftentimes that trade-off is not acknowledged until it's too late. It's worth thinking these things through earlier in the design process.</p>	<p>Trade-offs are always present. The important thing is to consider all stakeholders and their respective POV and agendas, then set priorities based upon the greatest value. But who is in charge of setting these priorities, and how can we ensure that they are predictable and consistent across the entire network? Because mobility hubs are by design locations with multiple stakeholders, they are an ideal framework to encourage a shared policy mindset.</p>	<p>The interesting point that both comments make is to consider total user trip time. This should be a prime consideration for all recommendations in the final document.</p>
<p>Conflicting agendas. Another example is a bus turnout. It gets the bus out of traffic, but it may also slow the bus down because it has to wait to get back into traffic. Versus an in-lane bus stop where it's faster for the schedule but may cause more backup on the street.</p>		
<p>Conflicting agendas. For example, Anaheim Canyon was an ADA-issue, which goes back to ROW, and who gets what in a limited area. It becomes competitive.</p>	<p>ADA-issues are often-times overlooked in the planning process, which ends up being confronted in design/permit phase.</p>	<p>Consider incorporating ADA-established guidelines in the prototypes</p>
<p>Conflicting agendas. I think of attorneys and who controls the property, lease agreements, insurance, how is property enforced. There are certain policies where amenities bring up issues of homeless, and when is the public allowed on-site, use agreements.</p>	<p>This brings up a larger question, namely: are mobility hubs inherently a part of the transportation network, or a part of the community where they reside? Or put another way, are mobility hubs serving users</p>	<p>Consider recommendations for how mobility hubs can act as a unifying policy framework based on the Vision Statement, with step by step planning for the implementation plan. This may include governance recommendations, splitting</p>

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
<p>Conflicting agendas. Take EV charging at stations, is that going to be an opportunity for local residents to use it, especially at locations where they live in apartments? How can we ensure they are available for customers of public transit, and it's not just facilitating a lack of parking and lack of EV charging in the local area?</p>	<p>of mobility services first, or residents that live nearby the mobility hubs?</p>	<p>up issues that can be binding and non-binding, and prioritization recommendations.</p> <p>Pivot tables can be established that prioritize recommendations based upon location-specific realities. For example, social enterprise location may be prioritized in a location with ample space but eliminated in those without ample space.</p>
<p>Conflicting agendas. What commercial advantage would it be to bring in customers by supplying things that have co-benefits - whether that's food, mobility services, information, commercial office spaces, etc - it seems there's symbiotic relationships. Does that relate to policy?</p>		
<p>One of the biggest issues is asking who we are trying to serve. For example, the target users of these mobility services have limited access to technology. There's also the issue of boosting confidence that intermodal travel can be relied upon. At the end of the day, we don't want to create a system that is tailored to those that already have access and use new mobility services.</p>	<p>There's a few examples of mobility hubs in Europe that provide training for services that are available or in Minneapolis with the Mobility Hubs champions program. This is important because there are communities that are not familiar with new services.</p>	
<p>Multi-jurisdictional land. Whose responsibility is maintenance and operations, day-to-day operations of land-use. You may have 10-15 different types of users that are using that land-use differently. In the case of the state, there's times when they own it, when it's leased, and no one knows who's using it and for what.</p>	<p>Land-use management is often multi-jurisdictional, as are the modes that use the land. Mobility hubs is the framework to address this issue. By developing a shared definition of mobility hubs and codifying rules of engagement and enforcement, future bottlenecks can be averted.</p> <p>An interesting thought may be to study a joint-powers-authority (JPA) model with Orange County mobility hubs.</p>	<p>Consider follow-up interviews with one or more stakeholders with control of Metrolink station land to ascertain their experience and goals.</p> <p>Then consider researching successful interagency agreements, potentially JPAs, and incorporate recommendations in the final document.</p>
<p>Multi-jurisdictional land. For example, at Metrolink stations, it's mostly local cities controlling those. So OCTA may have recommendations on things that are there (at Metrolink stations), and we may operate buses that are at those facilities, and we may be working with regional partners but</p>		

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
<p>a lot of that is controlled by local agencies. It's another set of elected officials that are making decisions.</p>		
<p>Multi-jurisdictional land. Take the Placentia Station (it has aspirations to be a Metrolink station). It's mainly an issue because it requires a freight rail agreement, so even if the station and Metrolink and other regional partners are on the same page, if one of the partners has an issue it stalls out.</p>		
<p>Land-use issues. We're looking at how Placentia can be a mobility hub. What we originally envisioned as a Metrolink station, but because of various issues that may take a while. So we're considering what other uses we can use this for without a Metrolink stop.</p>	<p>Beyond considerations for whether or not a location is supported by public transit, the location itself plays a crucial factor -- is it a first-mile or last-mile location? This can determine which elements and vehicles will be utilized.</p>	<p>We will list main elements (vehicles and amenities) for each of the typologies created. Typologies will consider origin and destination. For example, scooters are a great choice for last-mile hubs when final destinations are less than 1.5 miles. Beyond that, their utility drops-off, whereas electric bike share's utility extends to 3 miles and beyond.</p>
<p>Funding. Having a bus stop there or not having one there could result in either people transferring or having to rely on first-mile / last-mile solutions. For example, Anaheim Canyon is a private installation that didn't provide space for buses, so the bus stop was sited a block away.</p>		
<p>Funding. Is funding sustainable (capital vs. maintenance)? Is there any type of charge/ fee to use the facility to generate revenue? For example, when you're talking about train service 80% is federal/ state/ local funding and 20% is through the user. Can we generate use fees in the same way? If you're only relying on public  ing then you're in a real precarious situation, unless you  something earmarked.</p>	<p>There's a few examples in Europe - incorporating MaaS - where they create specific fare integration and subscription plans to use the mobility hubs network. Thinking Switzerland and Germany specifically for these two things. The strategy will pay more attention to US-based examples, but we'll also have a look at private-public partnerships and the</p>	<p>Consider listing revenue generation elements in the business plan in the final document. This list should also include speculative or experimental opportunities. For example, shared-use mobility (SUM) zones are considered a likely revenue generating concept, as evidenced by delivery companies' willingness to pay for double-parking tickets as a cost of doing business and the</p>

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
	implication it can have on potential revenue streams.	plethora of venture-backed companies that are entering this space.
Funding. If we could get some funding for capital projects such as EV charging and bike lockers, then we can use them to generate revenues to make it cost-neutral (i.e. cover energy costs and maintenance costs). At OCTA we'll install bike lockers, and the revenue that's generated will pay for the eLocker system.	Capital projects that pay for ongoing OpEx is a big point.	
Funding. Delaying issues in anticipation of future funding streams. For example, a potential for a statewide or regional vehicle miles travelled mitigation bank. A lot of agencies are considering having issues that deal with VMT mitigation on the side, to address them when funds are available; if they address these issues too soon, they won't be able to use future funding sources. So maybe I shouldn't invest until I have to (or when funding sources are available).		Consider adding pre-implementation steps that can be performed prior to agencies devoting funds and immense human resources to a project.

4 How Can Mobility Hubs Solve Orange County Regional And Local Challenges?

4.1 We remained in Mural and moderated a hybrid Brainstorm and Discussion exercise. While collaboration on Mural was still encouraged, the following two exercises were facilitator-led, with analysis and discussion emphasized over active participation.

- Discussion Two: Identifying ideas to increase integration
- Discussion Three: Prioritization exercise


Discussion Two: Identifying Ideas To Increase Integration

4.2 We selected top *challenges that prevent the network from operating smoothly* - taken from Brainstorm Two - and clustered them into related groups. This resulted in five problem clusters: Competing over land use, Coordination, Funding, Equity, and Sustainability. We then facilitated a discussion on solutions to these problem groups. Challenges are shown in blue circles, and solutions are shown in yellow rectangles:



Figure 1 Exercise format

Table 7 Problem Clustering

Problem Cluster: Competing over land use	Problem Cluster: Coordination
<ul style="list-style-type: none"> • Overflow cue parking lot • Charging space creates 'designated space' • Space allocated based on use, % of road divided between modes. • Aligning of benefits to create 'win-wins' • Carrot vs stick for enforcement 	<ul style="list-style-type: none"> • No car zones, centralized parking • Schedule coordination • Design coordination • Communication between mobility operators
Problem Cluster: Funding	Problem Cluster: Equity
<ul style="list-style-type: none"> • Lease agreement for shared mobility • Master agreement templates • Tolls - switch to HOT3+ - apply those funds to non-SOV solutions • 1-fare transfer pilots • Interagency revenue agreements for "transfers" • Clear agreement between public/ private • MOUs • Developer mobility fees • BID funding opportunities • Flexible funding for capital and O&M • Private mobility hub model • Renewables to reduce long-term O&M 	<ul style="list-style-type: none"> • Training • Subsidies (but who?) • Addressing the needs of people with mobility challenges • Intuitive design reduces reliance on written/ verbal communication • Need for intuitive service design and physical design -- getting between mobility hubs is easy
Problem Cluster: Sustainability	
<ul style="list-style-type: none"> • Get transit to those who need it • Reduce VMT • Dynamic auto parking pricing • Congestion pricing/ tolling • Health value scoring • Responsive transit • Keep speed in mind -  make things quicker (but not SOV travel, or at least not directly). 	

Discussion Three: Prioritization Exercise

4.3 Proposed solutions were transposed into a fourth Mural exercise, plotting "chance of success" against "value" to visualize prioritization. The chart was split into quadrants; the quadrant on the top right expressed solutions with a high chance of success and high value.¹

4.4 The top-right quadrant (high value and high chance of success) is displayed below (all quadrants are displayed in the Appendix):

¹ For the sake of this exercise, the definition of "value" was left intentionally vague.

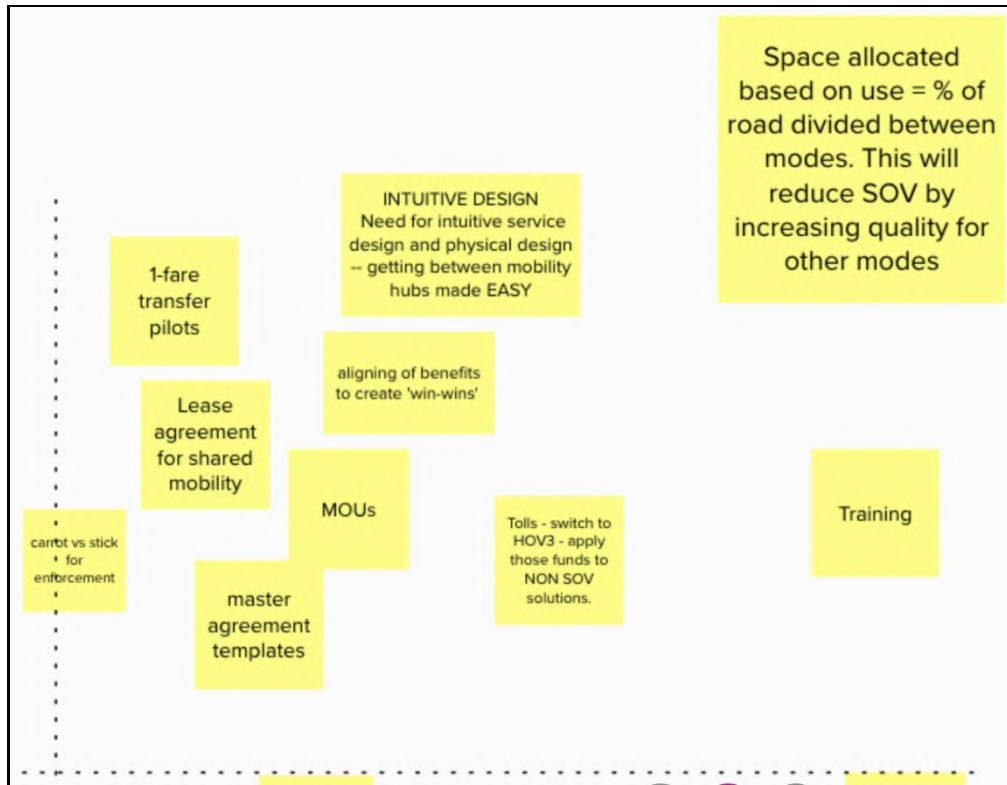


Figure 2 Prioritization Exercise




Discussion: How can mobility hubs address big problems in Orange County

4.5 The following is a discussion compilation from the two aforementioned discussion exercises:

Table 8 Brainstorm discussion feedback

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
Offering land-use management in a strategic way to encourage greater colocation, to bring things together into a centralized location.	Policymakers can consider a carrot approach to encourage cooperation with private operators, vs. a more traditional stick approach (enforcement, fines, etc.). This carrot approach to land-use in exchange for actions that aid in broad policy (like offering discounts to low-income riders or voluntary compliance to local codes) may take the form of offering semi-exclusive land-use or charging capabilities.	Consider developing a matrix of municipal resources with operators that may desire them. For example, resources like curbspace, grid power, high-speed data, in-ground sensors, traffic cameras, data rights, etc. are typically within the jurisdiction of public agencies and can be used by multiple parties with little incremental cost. But these resources may be cost-prohibitive or even not permissible otherwise.
Mobility hubs make a good framework for schedule coordination between all the different agencies.		Rather than considering a publicly funded program for schedule coordination, consider a strategy of submitting public data feeds into open-source projects like Open Trip Planner, MDS, and OpenStreetMap. This allows private companies the ability to opt-in and include public programs and vehicles into their private phone apps, displays, etc.
Could there be localized private mobility hubs vs larger districtwide mobility hubs network? You could have a privatized mobility hub at large apartment complexes with shared vehicles and EV charging, for example. Where do public/private networks intersect and share vehicles and users, for example?	In speaking with various carshare operators, this is exactly the model that they are looking for. During COVID-19, they realized that a larger subset of users was low-income than pre-COVID.	The Action plan will consider public-private partnership options of mobility hubs networks. This section may include visual diagrams of how the networks intersect, policy recommendations for what's expected of private landowners and what they can materially achieve through such partnerships

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
Setting up policies to facilitate private mobility hubs.	Different business models are available and could be considered: relying on privately-funded mobility hubs to interplay with the larger mobility hubs network is a creative alternative to traditional funding. Hybrid approaches (such as Affordable Housing Sustainable Communities pilot programs) may afford the opportunity to leverage public funds to augment a private installation. In exchange for public agencies sponsoring these grant opportunities, various public incentives and policy objectives may be garnered.	The car share industry has many examples of land-use sharing and publicly-funded projects on private land. Bike parking rooms also have examples of PPP.
Another challenge is land-use overflow. For example, one station gets so full that parking overflows into a private mall parking lot. In a vanpool, 7 or 8 cars can park to use that vanpool. So perhaps the carrot approach can incentivize partnerships with private landowners who can provide overflow parking.	This is similar to an airport methodology with cueing stations for those waiting for arriving passengers.	
Ensure capital investment makes use of renewable energy (i.e. solar panels) to offset ongoing maintenance and operations expenses.	This is a general strategy that should be pursued given the prevalence of capital vs operations funding sources available.	Adding to the recommendation listed above re: a la carte approach to funding, consider listing ideal sustainable equipment.
To reduce SOV, we need to make it more fair across the board. The space that's allocated heavily favors SOV, so if we re-allocate that space for mobility hubs, it re-frames the debate completely.	Agreed, the post-COVID response of re-allocating on-street parking for temporary uses like parklet dining has altered (perhaps permanently) previously held convictions. Tactical urbanism approaches that utilize	Car-free zones are quickly evolving from city planners' vision to reality, especially with tactical urbanism pilots in response to COVID. Examples include Oakland Slow Streets, San Francisco Market Street, Paris car-free city center, and a growing list of car-

Questions/Concerns Raised	Responses (from the facilitator or OCTA staff)	Suggested next steps for the Team
<p>Intentional design to reduce SOV  ship. For example, no-car zones in key destinations (i.e. Mission San Luis Obispo) that are instituted to centralize parking. Transit services are then used to get to the core areas. Current travel patterns also suggest the potential success of shared rides.</p>	<p>temporary pilots are a smart and timely strategy to pursue.</p>	<p>free cities in the United States and  nd. Furthermore, increasing temporary car-free events – such as CicLAvia in Los Angeles and pilot-based car-free streets – have the potential to attract tourism while altering local minds about what is possible and/or desirable.</p> <p>Consider a callout in the final document.</p>
<p>Some of the key challenges we'd be interested in looking at include researching areas with higher per capita VMT and how to offset that.</p>	<p>It comes down to quantifiable data to measure VMT and GHG reduction.</p>	<p>Merits further consideration; a standardized GHG-reduction calculator may play a crucial role in mobility hubs development, as it may create a direct link to grant and pilot programs.</p>
<p>Smart pricing models based on toll-based fees, express lanes, mileage-based user fees, congestion pricing, and/or BID-led and tax increment financing are typically not instruments used in Southern California to support transit related activities but should be considered and applied to mobility .</p>		<p>Adding to the recommendation listed above re: policy framework for mobility hubs, consider a framework to incorporate revenues from smart pricing models and financing strategies into said mobility hubs policy framework. Pricing-based revenues are a wholly different funding source from traditional financing strategies, which are typically from local/state/federal sources.</p>
<p>One area that has a high value is the health aspects of using public transit and how it affects society in general, if you're walking more vs. taking SOV.</p>	<p>Assessing the value to health benefits should be considered.</p>	<p>Similar to the recommendation above re: GHG-reduction calculator, consider recommendations for a health-benefit calculator with mobility hubs vs. SOV travel.</p>
<p>Mobility hubs can help bring more transit to the people.</p>	<p>Common sense solutions are often-times overlooked, but they're also oftentimes the easiest to implement. Get more transit to the people that use it most.</p>	<p>See recommendation above re: listing modes and elements based on first-mile and last-mile mobility hubs.</p>
<p>It's important to keep in mind the speed of transit. Mobility hubs may decrease the interchange between modes. Keep speed in mind.</p>	<p>Mobility hubs should help reduce the need for circuitous one-way bus services, and provide more responsive, shorter journey times to connect neighborhoods to get to transit.</p>	

5 Next Steps

Roundtable Session Two

- The topic is Location. As stakeholders journeyed from Definition to Network, with progressing exercises to focus in greater on implementation, we now go to Location.
- Date is set for TBD
- Stakeholders from Tier One and Tier Two (and Tier Three)

Appendix

Appendix R: One-on-One Interviews



To OCTA
Cc Leslie Scott
From Steer Team
Date 14 February 2022
Project OCMH

Memo

Project No.

Stakeholder Interview Report – Greater Irvine Use Case

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Interview Purpose

1. The purpose of the Mobility Hub stakeholder interviews is to get a sense of the real location-specific challenges and opportunities for a greater Irvine Use Case. It also presented as part of Roundtable Series #3 on January 11, 2022.

Interview Overview

2. Mobility Hub stakeholder interviews were conducted in the winter of 2021/2022, as small focus groups or one/one sessions. There were eleven stakeholder groups, representing a variety of agencies, businesses or community-based organizations within the Greater Irvine. The interviews provided insights, common themes and priorities for Mobility Hubs in the greater Irvine area.
3. In general, the concept of a **Mobility Hub is met with positive responses:**
 - The ideal hub would be community based, with a park-like feel.
 - Most stakeholders believed that the people using Mobility Hubs would be employees, customers/clients or community/residents.
 - Popular transportation modes mentioned for mobility include auto or electrified transport, as well as some priority for expanded transit, rail and shuttles.
 - The results of the interviews identified a potential location for the greater Irvine Case Use at the University of California, Irvine.

Interview Methodology

4. The interview methodology carefully organized the sessions with 11 stakeholder groups in December 2021 and January 2022. Stakeholder conversations were guided by 9 questions for a one-hour period (see Table 2). More importantly, the context of the interviews involved an inclusive approach that built upon relationships with key stakeholders in Orange County.

Approach Logistics

- 60-minutes interviews
- Interview platform on Zoom/Google Meet
- Guided conversation (9 questions, project webpage and fact sheet shared)
- Interviews period: December 16 – 29, 2021 and January 24, 2022
- 11 stakeholder interview agencies or organizations (see Table 1 for details)

Approach Style

- **Inclusivity** is important to hear different voices from CBO's to users from business/employers and transportation providers.
- **Relationships** are key to gaining insights with long standing stakeholders, such as CBO's Santa Ana Active Streets, OC Health Care Agency, Providence Health/St Jude Medical Center, Spectramotion TMA and University of California, Irvine.

Stakeholders Representation

5. As part of the methodology, the interviews were carefully chosen to represent different fields, including transportation, community-based organizations, business, tourism, employers, healthcare and education. The list of stakeholders interviewed can be found in Table 1.

Table 1 Mobility Hub Stakeholder Representation

Organization (sorted in alphabetical order)	Representation
City of Irvine/ iShuttle	Transportation
Dayle McIntosh Center	Community Based Organization
Irvine Chamber of Commerce/Destination Irvine	Business/Tourism
Irvine Company	Business/Employers
Jax Bicycles	Community Based Organization
Orange County Airport/John Wayne Airport	Transportation
Orange County Health Care Agency	Community Based Organization
Saint Jude / St Joseph Medical	Business/Healthcare
Santa Ana Active Streets (SAAS)	Community Based Organization
Spectramotion Transportation Management Association (TMA)	Business/Employers
University of California, Irvine	Education/Employer

Interview Guide

Table 2 Interview Questions

Q.#	Topic	Description
1	Introduction/Agency	Would you like to introduce yourself and your organization?
2	Familiarity with Mobility Hubs	Are you familiar with the concept of Mobility Hubs? Rank your knowledge 1 – 5, 5 being most familiar with Mobility Hubs.
3a	Mobility Hub Audience or Group	For your organization which audience/group do you think would be most interested in Mobility Hubs: employees/residents/students/members/patients/customers.
3b	Transportation Challenges and Opportunities	Considering how your [employees/residents/students/members/patients/customers] travel in Orange County, what do you think are they main transportation challenges/opportunities?
4	Mobility Hub Locations	Where do you think mobility hubs should be placed in Irvine as priority?
5	Mobility Hub Forms of Transportation	What forms of transportation would you like mobility hubs to offer in priority?
6	COVID 19 Transportation Changes	With Covid-19 is there anything about transportation options that have changed your audience/group travel patterns
7	Mobility Hub Amenities	What amenities would you like mobility hubs to provide?
8	Mobility Hub Vision	What does an ideal mobility hub look like for you?
9	Insights not raised or covered?	Are there any other insights relevant to this topic that you have come across thus far and have not been raised or covered yet?

Interview Notes

Participants Recap

A comprehensive list of stakeholder participants was interviewed as one/one sessions or small focus groups is presented in Table 3.

Table 3 Mobility Hub Interview Stakeholder Titles and Names

Organization	Title	First Name	Last Name
City of Irvine/ iShuttle	Supervising Transportation Planner	Melissa	Dugan
City of Irvine/ iShuttle	Deputy Director, Transportation	Jaimee	Bourgeois
City of Irvine/ iShuttle	Assistant Director, Transportation	Mike	Davis
Dayle McIntosh Center	Mobility Specialist	Ivan	Cortez
Irvine Chamber of Commerce/Destination Irvine	Chief Executive Officer	Bryan	Starr
Irvine Company	Human Resources, Benefits	Alan	Derow
Jax Bicycles	Bicycle Shop Owner, Vice President of Operations	Brian	Cox
Orange County Airport/John Wayne Airport	Landside Management	Robert	Holden
Orange County Health Care Agency	Health Educator and Safe Routes to School Coordinator	Maria	Minaglia
Saint Jude / St Joseph Medical	Healthy Communities Initiative, Manager	Tracy	Bryars
Santa Ana Active Streets (SAAS)	Executive Director, Transportation	Kris	Fortin
Santa Ana Active Streets (SAAS)	Member, Policy Advocate Planner	Peter	Garcia
Santa Ana Active Streets (SAAS)	Member, Policy Advocate	Maria	Ceja
Santa Ana Active Streets (SAAS)	Member, Policy Advocate	Marilynn	Montano
Spectramotion Transportation Management Association (TMA)	Employee Transportation Coordinator	Kelly	Vasquez
University of California, Irvine	Transportation Sustainability Manager	Erika	Hennon Rule

Familiarity with the concept of Mobility Hubs

- Stakeholders were asked to rank their familiarity with Mobility Hubs on a scale of 1-5, with 5 being the most knowledge. A majority or seven (7) of the stakeholders have an average knowledge ranking of 3 out 5. The opposite ends of the ranking include two (2) interviewees ranking 1 and one (1) interviewee ranking 4.5, with another (1) interviewee having no answer.

Insight: Some stakeholders are already familiar with the concept without calling it a mobility hub.

Table 4 Stakeholder Knowledge About Mobility Hubs (Ranked 1- 5, 5 being most knowledge)

Organization	Rank Average
City of Irvine/ iShuttle	3
Dayle McIntosh Center	3
Irvine Chamber of Commerce/Destination Irvine	1
Irvine Company	3
Jax Bicycles	No answer
Orange County Airport/John Wayne Airport	3
Orange County Health Care Agency	1
Saint Jude / St Joseph Medical	4.5
Santa Ana Active Streets (SAAS)	3
Spectramotion Transportation Management Association (TMA)	3
University of California, Irvine	3

7. Key Verbatims:

- Jax Bicycle Center: *“I have a broad overview (of Mobility Hubs) by getting involved with the Claremont Bikestation, adjacent to Metrolink.”*
- Spectramotion TMA : *“The Irvine Transportation Center, by definition may already be a mobility hub with Amtrak, OCTA buses, iShuttle, bike storage and EV chargers.”*
- University of California, Irvine: *“UCI has a bus hub (at Campus and West Park) ... OCTA Route 79 and 59, plus Anteater Express which is student run.” ... “We are looking at enhanced bicycle parking, more buses, vanpool and carshare.”*
- City of Irvine/iShuttle: *“I (Mike) learned about mobility hubs organically while working on college campuses. I worked with carshare, bike parking, and carpool services a great deal, even with Zimride (forerunner to Lyft.”*

Mobility Hubs Audience or Group in Greater Irvine

8. When asking the question about Orange County travel, the top three audiences/groups that the stakeholders represent include:

- Employees
- Customers/Clients
- Community/Residents

Insight: these are the top tier audiences, but do not represent all groups.

9. Key Verbatims:

- Santa Ana Active Streets (SAAS): *“Most people who use transit are captive riders or underserved populations who are using it to get to work, day care, stores, etc.”*

Mobility Hubs Challenges and Opportunities

10. Insights for challenges and opportunities include the fact that there is a need to balance technology with grass roots solutions, for the wide range of communities and user groups. In addition, equity of investments related to service, access and affordability are important.
11. **The most common transportation challenges in Orange County begins with the car culture and traffic, along with general transit service issues, and safety:**
 - General transit service, connections and frequency issues
 - Car culture and auto centric community
 - Traffic with midday peaks and multiple trips
 - Safety elements
12. Key Verbatims:
 - City of Irvine/iShuttle *"Irvine was a master planned community that provisioned huge roads to get a large amount of cars through, but now we're approaching capacity."*
 - Santa Ana Active Streets: *"Transit should be seamless and fast, ie Bus Rapid Transit, should be going faster."*
 - Santa Ana Active Streets: *"Most people who use transit are captive riders or underserved populations who are using it to get to work, day care, stores, etc."*
 - University of California, Irvine. *"From experience, we believe in fare payment, to show that transportation has a cost and a value."*
 - Dayle McIntosh Center: *"Bus stops are too far and perceived as not safe."*
13. **There are opportunities for transportation improvements that expand on the existing transit system as well as introduce new mobility options:**
 - Opportunity to expand on existing transit (Metrolink, OC Flex, iShuttle and other new transit)
 - Alternative transportation includes micromobility and other future modes
 - Technology for transportation may be an option in some scenarios
14. Key Verbatims:
 - Spectramotion TMA: *"TMA is moving into more technology opportunities, online services and apps."*
 - Dayle McIntosh Center: *"They (disabled younger consumers) are familiar with technology and apps ... are friendly for them because of tiktok videos."*
 - University of California, Irvine *"The University was part of a pilot program for driverless vehicles for OCTA."*

Mobility Hubs Potential Locations

15. The most favorable mobility hub location, with seven (7) suggestions for the site, is the University of California, Irvine. Another destination includes the Irvine Spectrum and Irvine Business Center, for a combined total of five (5) tallies.
16. It has often been mentioned by stakeholders that Metrolink stations are examples of existing mobility hubs. Thus, Metrolink Stations in Fullerton, Irvine, Placentia and Laguna Niguel were mentioned as potential locations. Other locations that received a few (3 to 4) tallies include residential/senior housing, elementary/middle schools and OC's Great Park.

17. Although the Orange County Airport tallied 2, it did not get a commitment from the stakeholder interviewee as a potential mobility hub site.
18. The below Table 5 summarizes potential areas for mobility hubs locations in greater Irvine, including:
 - University of California, Irvine
 - Metrolink Stations
 - Irvine Spectrum and Irvine Business Center
 - Residential and Senior Housing
 - Elementary and Middle Schools
 - Great Park, Orange County
 - Orange County Airport (Airport Stakeholder did not commit)
19. Insights are that University of California; Irvine is interested in a location for OCTA's Mobility Hub pilot program. While some of the other major locations (Airport, Medical Center and Irvine Company) seems to like the concept but could not commit to an answer about a possible mobility hub at their site.

Table 5 Mobility Hub potential locations

Tally #	Location (sorted by type/land use)	Type
2	Orange County Airport	Airport
2	Irvine Business Center	Business Center
1	Orange County Airport Business District	Business Center
3	Irvine Spectrum	Business Center
1	Senior Centers	Community
1	Senior Services (Dayle McIntosh Center Laguna Hills)	Community
1	Orange County Fair Grounds	Event Center
1	City Halls	Government
1	Downtown Santa Ana	Government
1	University of California Irvine Hospital (Jamboree and Campus)	Hospital
1	Along bicycle and walking trails	Recreation
1	Caltrans Right of Way (flood control riverbeds)	Recreation
2	Great Park	Recreation
4	Los Alivos Residents, Jamboree and Main Apartments, Trabuco Canyon Area and Senior Housing	Residential
1	Bristol Food Court	Retail
1	Diamond Jamboree	Retail
1	Swap Meet	Retail
3	Elementary/Middle/Junior High (Mesa View Middle School)	Schools
3	Transit Stations (Metrolink)	Train Station
1	Chapman University	Univeristy/College
1	California State University at Fullerton	University/College

1	Orange Coast College	University/College
1	Santa Ana College	University/College
1	University Mass Global	University/College
7	University of California, Irvine	University/College

20. Key Verbatims:

- City of Irvine/iShuttle: *“These are the places where mobility hubs have the best chance of success due to their density and clustering of multiple mode options.”*
- City of Irvine/iShuttle: *“Parking may continue to be challenging, which may allow mobility hubs to flourish.”*

Mobility Hubs Forms of Transportation

21. The most popular transportation modes are auto or electrified transport, while active transportations are not mentioned as priorities. However, there is a priority for transit, rail and shuttle. These include services by Metrolink, OCTA buses or public and private shuttles. Table 6 summarizes the findings.
22. Note that some new forms of transportation such as micromobility services are not perceived positively by all stakeholders. University of California Irvine for example mentioned that they’re not allowing e-scooters on campus.
23. In addition, according to the South Coast Air Quality Management District (AQMD), telecommuting is considered a mode choice, to reduce trips, and thus it is listed as a form of transportation.

Table 6 Mobility Services

Tally #	Transportation Mode
1	Access Service Pick up/Drop Off
2	Bikeshare
2	Carpool
4	Carshare (Commercial and Community)
1	Electric Vehicles
3	E-Scooters or E-Bikes
4	Lyft/Uber
1	Multimodal
1	Park and Ride
1	Private Bus
2	Shuttles/Courtesy Vehicles (Hotel)
3	Shuttles (Public)
1	Skate
1	Taxi
3	Telecommute/Workspace

4	Train/Rail
4	Transit/Bus
2	Vanpool
2	Walk
1	No E-scooter
1	No Uber/Lyft

68. Key Verbatims:

- University of California, Irvine: *“Scooter policies have “no go zones” and do not allow for private scooter operators on campus.”*
- Providence Health/St Jude Medical Center: *“Multimodal transportation is important; train and bus transit connections with riding bikes, walking and skating at the mobility hubs.”*
- Irvine Chamber of Commerce/Destination Irvine; *“Irvine has a unique type of sports tournament travel ... where a corporate bus or sports bus staging area could be at a mobility hub.”*
- Spectramotion TMA: *“Priorities are commuter rail (Metrolink) with first and last mile shuttles, on demand Lyft or Uber, plus a carpool or carshare.”*
- Santa Ana Active Streets: *“A community carshare, where people can use fleet cars, that are affordable.”*

Mobility Hubs Amenities

69. Mobility hubs go beyond the traditional transportation and can reduce trips by offering amenities. More importantly the stakeholder interviews revealed that amenities should be culturally sensitive to the community, which may be ethnic, economic or disability.

70. Amenities include a wide variety of features, that have prioritized the top six (6) services as well as ways to use mobility hubs:

- Food, café or mini market
- Park setting with seating, lighting and shade
- Lockers for storage or e-commerce
- Remote workspace for adults and students
- Electric charging for vehicles and phone/computers
- Ambassadors and security staff

Table 7 Mobility Hub Amenities

# Tally	Amenities
1	Bathrooms
2	Bicycle Parking
1	Bicycle Repair Shop
1	Bus Staging area (Private and Access Services)
4	Café or Grab/Go Food
1	Change Machine
1	Community Center/Afterschool

1	Dry Cleaning
5	Electric charge vehicles, bicycle and computers
1	Ethnic Grocery or Panaderia
1	Farmers Market
2	Food Delivery (Grub Hub)
2	Food Trucks
1	Information Kiosk
3	Lighting
4	Lockers/Package Delivery(Amazon)
1	Mobile Tienda
1	Open Space
2	Outdoor study pods/work stations
1	Park
1	Real Time Live Updates
1	Retail shops
3	Seating
1	Security Cameras
4	Security Personnel
2	Sense of Place/Sanctuary
4	Shade/Trees
2	Signage (Multiple Languages)
2	Storage Lockers
2	Street Vendors
1	Swap Meet
1	Voice Activated Assistance (crosswalks)
1	Wifi (public)

139. Key Verbatims

- University of California, Irvine: *“Sustainability goal is to reduce cars on campus...UCI’s long range planning policies to reduce single occupancy trips, whether it is gas or electric, by 10%, since 2015.”*
- Santa Ana Active Streets; *“Flexible space for farmers market, street vendors and swap meet ... and retail ethnic grocery stores, bike repair, etc.*
- Dayle McIntosh Center: *“Free Lyft rides to the bus stop/transit station (similar to Ontario Metrolink Pilot Program). “*

Mobility Hub Vision in Greater Irvine

140. An ideal mobility hub should reflect the community, and includes descriptions of the look and feel of the place. It is referred to as a community gathering space with access for all to different modes of

transportation. There is also an emphasis on education, that teaches people about transportation’s benefits for health and the environment.

- Sense of place and community gathering space
- Ensuring access for all people (age, ability, income, etc)
- Educational opportunities (posters, billboards, etc)
- Variety of connections, where each location can have different modes

141. Key Verbatims:

- Dayle McIntosh Center: *“Once you train someone to ride the bus and get to the bus as a result of the mobility hub, they can be more independent.”*
- Orange County Health Care Agency: *“People may agree that mobility hubs are good, but it will take a culture shift, over time.*
- Jax Bicycle: *“It looks like a mini gas station.”*

Covid-19 Transportation Changes in Greater Irvine

142. The interviews were conducted during the COVID 19 pandemic. Thus, it was wishful thinking that there would be behavior changes for transportation modes; but the only result was telecommuting and workspace options.

143. The stakeholders shared some observations about travel patterns during the pandemic:

- Perception of less traffic in the beginning of the pandemic, but the congestion is increasing, to date.
- Remote work and telecommuting for office complexes and traditional business, range from 30% to 100%
- Walking and biking is being used for recreation; with a higher desire to get outside
- E-scooters were being used, when OCTA transit was reduced

144. The insight is that there is potential for remote workspace, community after school programs or outdoor learning pods (Cal State University, Fullerton and University of California, Irvine).

Other relevant information shared by stakeholders

145. The discussions with stakeholders also included miscellaneous topics that may impact decisions for mobility hubs. There are 16 comments, ranging from types of services, to planning considerations and other general inquires.

Table 8 Mobility Hub Other Topics

Topic Areas
All ADA accommodations for braille, low vision, hearing impairments - ramps, wide sidewalks, etc
Community based planning, neighborhoods should have a say in the Mobility Hub
Curb based mobility hubs don't work, space considerations
Demand for more OC Flex from Costa Mesa and Huntington Beach to UCI
Enhancing safety infrastructure, traffic calming, bulb outs and crosswalks, around mobility hubs
Irvine Company offers Envoy carshare at residential properties
Irvine is a destination with sports tourism
LAX for Uber/Lyft is not a good Mobility Hub model
Mobility Hubs should be adjacent to Class 1 bike paths

Multimodal transportation with active and healthy transportation options
Opportunity for education about transportation modes; relation to health, environment and safety
Remote baggage check in (Aloha Airlines) is complicated and not operating in region
Safe Routes to School drop off location could be at a Mobility Hub
UCI Anteater Shuttle is student funded and operated
What about homeless issues at Mobility Hubs
Why does I shuttle not go to the UCI bus hub?