



Technical Advisory Committee AGENDA

Committee Members

Ken Rosenfield, Chair
Tom Wheeler, Vice-Chair
Akram Hindiyeh, City of Villa Park
Bill Cameron, City of San Clemente
Chris Johansen, City of La Habra
Christina Templeton, City of Laguna Beach
Dave Hunt, City of Los Alamitos
David Jacobs, City of Buena Park
David Webb, City of Newport Beach
Don Hoppe, City of Fullerton
Doug Dancs, City of Cypress
Doug Stack, City of Tustin
E. Maximous, City of Rancho Santa Margarita
Joe DeFrancesco, City of Orange
Khalid Bazmi, County of Orange
Luis Estevez, City of Placentia
Manuel Gomez, City of Irvine
Mark Chagnon, City of Mission Viejo
Mark Denny, City of Dana Point
Mark Lewis, City of Fountain Valley
Marwan Youssef, City of Westminster
Michael Belknap, City of La Palma
Michael Ho, City of Seal Beach
Nasser Abbaszadeh, City of Laguna Niguel
Raja Sethuraman, City of Costa Mesa
Raul Lising, City of Brea
Rick Yee, City of Yorba Linda
Rudy Emami, City of Anaheim
Shaun Pelletier, City of Aliso Viejo
Stephanie Camorlinga, City of Stanton
Steve May, City of San Juan Capistrano
Travis Hopkins, City of Huntington Beach
Vacant, City of Laguna Woods
William Galvez, City of Santa Ana
William Murray, City of Garden Grove

Orange County Transportation Authority
550 South Main Street, Room 09
Orange, California
November 9, 2016 1:30 p.m.

Any person with a disability who requires a modification or accommodation in order to participate in this meeting should contact the Measure M2 Local Programs section, telephone (714) 560-5673, no less than two (2) business days prior to this meeting to enable OCTA to make reasonable arrangements to assure accessibility to this meeting.

Agenda descriptions are intended to give members of the public a general summary of items of business to be transacted or discussed. The posting of the recommended actions does not indicate what action will be taken. The Committee may take any action which it deems to be appropriate on the agenda item and is not limited in any way by the notice of the recommended action.



Technical Advisory Committee AGENDA

All documents relative to the items referenced in this agenda are available for public inspection at www.octa.net or through the Measure M2 Local Programs office at the OCTA Headquarters, 600 South Main Street, Orange, California.

Call to Order and Self Introductions

Consent Calendar Items

All items on the Consent Calendar are to be approved in one motion unless a Technical Advisory Committee member requests separate action on a specific item.

1. **Approval of October 26, 2016 Technical Advisory Committee Minutes** – pg. 4

Discussion Items

2. **Orange County Sidewalk Inventory Results** – Jim Sterling, pg. 8

Regular Items

3. **2017 Technical Steering Committee Members** – Sam Kaur, pg. 24

Overview

The Orange County Transportation Authority Technical Advisory Committee provides feedback and input on many local streets and roads related items and relies on the Technical Steering Committee to provide guidance on major technical issues. Technical Steering Committee members serve two-year terms, with the exception of one-year terms for the chairman and vice-chairman. This year, five positions are open for consideration. Presented is the 2017 roster for review and approval.

Recommendation

Approve the proposed 2017 Technical Steering Committee membership roster.

4. **Correspondence**

OCTA Board Items of Interest

- None

Announcements by Email

- Potential delays in NEPA document approvals due to pending lapse of waiver of sovereign immunity, sent 10/24/16
- October 26, 2016 Technical Advisory Committee Meeting Agenda, sent 10/20/16
- October 18, 2016 Complete Streets Ad Hoc Committee Meeting Notice and Agenda, sent 10/17/16

5. **Committee Comments**



Technical Advisory Committee **AGENDA**

6. Local Assistance Update

7. Staff Comments

- The Complete Streets Ad Hoc Committee will convene after today's Technical Advisory Committee meeting.

8. Items for Future Agendas

9. Public Comments

10. Adjournment

The next regularly scheduled meeting of this Committee will be cancelled due to the upcoming Holidays. An announcement will be sent via email for the January 2017 meeting.



Technical Advisory Committee MINUTES

October 26, 2016

Voting Representatives Present:

Shawn Pelletier	City of Aliso Viejo
Rudy Emami	City of Anaheim
Raja Sethuraman	City of Costa Mesa
Khalid Bazmi	County of Orange
Brad Fowler	City of Dana Point
Mark Lewis	City of Fountain Valley
Travis Hopkins	City of Huntington Beach
Manuel Gomez	City of Irvine
Chris Johansen	City of La Habra
Michael Belknap	City of La Palma
Christina Templeton	City of Laguna Beach
Ken Rosenfield	City of Laguna Hills
Nasser Abbaszadeh	City of Laguna Niguel
Akram Hindiyeh	City of Laguna Woods
Tom Wheeler	City of Lake Forest
Mark Chagnon	City of Mission Viejo
David Webb	City of Newport Beach
Bill Cameron	City of San Clemente
Michael Ho	City of Seal Beach
Akram Hindiyeh	City of Villa Park
Marwan Youssef	City of Westminster
Rick Yee	City of Yorba Linda

Guests Present:

Joe Parco, City of RSM
Dan Candelaria, City of Garden Grove
Tony Olmos, City of Brea
Temo Galvez, City of Fountain Valley

Staff Present:

Kurt Brotcke
Kia Mortazavi
Sam Kaur
Joseph Alcock
Gary Hewitt
Alice Rogan
Tamara Warren
Archie Tan
Anup Kulkarni
Carolyn Mamaradlo
Andrea West
Dave Simpson
Adriann Cardoso
Harry Thomas
Brianna Martinez

Voting Representatives Absent:

Raul Lising	City of Brea
David Jacobs	City of Buena Park
Doug Dancs	City of Cypress
Don Hoppe	City of Fullerton
William Murray	City of Garden Grove
Dave Hunt	City of Los Alamitos
Joe DeFrancesco	City of Orange
Luis Estevez	City of Placentia
E. Maximous	City of Rancho Santa Margarita
Stephanie Camorlinga	City of Stanton
William Galvez	City of Santa Ana
Steve May	City of San Juan Capistrano
Doug Stack	City of Tustin



Meeting was called to order by Mr. Ken Rosenfield at 1:32 p.m.

Self-Introductions

CONSENT CALENDAR ITEMS

1. **The Minutes for the July 13, 2016 meeting were approved.**

DISCUSSION ITEMS

2. **M2 Delivery - Next 10 Plan** – Tamara Warren

Ms. Warren provided a progress updated for Measure M2, including programs, projects, and future funding concerns.

Mr. Lewis inquired whether the presentation included all projects or only projects with shortfalls.

Ms. Warren responded that more projects exist however the projects that were highlighted have the highest risks in terms of funding. She stated that if excess 91 Toll Road revenues are utilized towards the remaining nine projects as identified in Measure M2, they can all be completed in their entirety.

Mr. Emami stated his concern that there are other projects currently on the 91 implementation plan not currently funded but could be, and wondered if they would be built as well.

Ms. Warren stated that excess revenues from the 91 Toll Roads within Orange County would be used on prioritized projects within the 91 corridor.

Mr. Brotcke stated that in the case an eligible project is located within the 91 corridor it is included in the planning process. OCTA's main priority is to deliver Measure M2 committed projects, specifically projects I and J.

Mr. Lewis expressed his concern that the 405 Express Lanes have yet to be built, and guidelines regarding potential excess revenues have yet to be developed, however potential excess revenue expenditures are already being discussed.

Ms. Warren reiterated that the presentation combined all possible options for future planning. The recommendation to the OCTA Board moving forward will only include the 91 as it is currently the only project bringing in excess revenues.

Mr. Murray asked for clarification on the percent of growth rate built into the program as compared to inflation. He wondered if the dollars would keep up with inflation.

Mr. Brotcke explained that larger freeway projects should be completed early so that inflation does not get out of hand. He stated that universities are adjusting their forecasts to more realistic figures. Mr. Brotcke stated the percentages remain the same.

Mr. Gomez inquired whether the OCTA Board would consider a plan to make up the losses on streets and roads or would only focus on freeways.



Ms. Warren stated that per the ordinance, the Authority should attempt to acquire external revenue whenever possible, and is committed to continue to do so.

Mr. Gomez asked for clarification on the project costs listed.

Ms. Warren clarified that the costs listed are in fact total project costs. She also stated that part of the recommendation includes a collaboration with Caltrans to edit designs where possible and reduce project costs.

There was no further discussion.

3. Local Signal Synchronization Plans Update – Archie Tan

Mr. Tan provided updates to the Local Signal Synchronization Plan.

Mr. Rosenfield had an inquiry regarding the In-kind services that are a part of many projects, including Local Signal Synchronization. Mr. Rosenfield stated that local agencies provide invoices as justification for payment, however recently staff has increased the documentation required prior to providing payment. Mr. Rosenfield asked if staff could review the process and requirements and determine the level of detail required in order to simplify the payment process.

Mr. Brotcke stated that internal staff will discuss this inquiry and follow up.

There was no further discussion.

4. OC Transit Vision – Gary Hewitt

Mr. Hewitt presented the OC Transit Vision, or Transit Master Plan for Orange County. To initiate the discussion Mr. Hewitt asked the members of the committee for their vision for the future of Orange County transportation

Mr. Lewis stated that connectivity to other modes as well as first/last mile solutions are important.

Mr. Gomez asked whether the OC Transit Vision was a Board initiative. Mr. Gomez stated that current efforts seem to mainly gear towards bus initiatives and show a reluctance to other modes. He followed up stating that when reaching out to the general public, instead of creating excitement about transit overall, should there instead be a focus on asking how to improve the bus transit system and make it more efficient and desirable.

Mr. Hewitt stated that this initiative is in the early planning stages, and as such it is an ideal time to gauge the real needs of the community. He stated now is an ideal time to explore alternate modes to get a better idea of the bigger picture for the future of OC transit.

Ms. Rogan added that surveys have been conducted with the Citizens Advisory Committee as well as the Special Needs Advisory Committee and alternate modes such as rideshare, on demand service, autonomous vehicles, and others have been suggested. She stated that this initiative involves planning for 20 to 30 years in the future the door is open to develop a vision and could allow for a paradigm shift in transportation. Ms. Rogan stated that transit, not only bus transit, is now ranking slightly higher for improvements than freeways and roads.



Mr. Frank stated that utilizing technology, services such as Uber and Lyft, and other innovations is important to the growth and continued success of transit.

Mr. Rosenfield stated that during the October 2016 service change, he noticed that local school districts were concerned about bus service changes, specifically how the changes affected continuation schools. Mr. Rosenfield suggested future stakeholder groups include local school district representation.

Mr. Hewitt stated that OCTA has identified local school districts as stakeholders, and is in the process of determining the best method for combining the group and facilitating collaboration at the countywide level.

Mr. Rosenfield stated that private shuttle buses currently in operation should also be identified as stakeholders.

There was no further discussion.

REGULAR ITEMS

5. September 2016 Semi-Annual Review – Sam Kaur

Ms. Kaur provided an overview of the semi-annual review item as it relates to the project updates and presented staff recommendations. Members of the TAC approved the item unanimously with no further discussion.

6. Correspondence

- OCTA Board Items of Interest – See Agenda
- Announcements Sent by Email – See Agenda

7. Committee Comments

- **Local Streets & Roads Oversight Committee** – Updates on the California Statewide Local Streets & Roads Needs Assessment 2016

8. Local Assistance Update

- Introduction of Tifini Tran, the new District 12 Local Assistance contact. Ms. Tran provided the following contact information:

Phone: (657) 328-6275
Address: 1750 E. 4th Street, Suite #100
Santa Ana, CA 92705

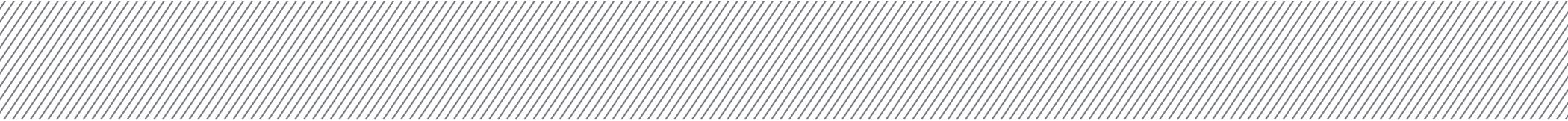
9. Staff Comments – None

10. Items for Future Agendas

- TSSP Presentation
- Report depicting the impacts on Projects O and P due to lower projections

11. Public Comments – None

12. Adjournment at 2:33 p.m.



OCTA GIS Sidewalk Inventory

Active Transportation Program Funded Project



Project Notes

- OCTA's first Active Transportation Program grant funded project
- OCTA's first countywide pedestrian infrastructure inventory
 - Made cost-effective by availability of aerial imagery
 - High-resolution (< 3-inch resolution)
 - Up-to-date (captured multiple times each year)
 - Favorable agreement with new imagery vendor 
 - Similar efforts elsewhere usually limited to presence/absence of sidewalks
 - In addition, OCTA collected some data about each sidewalk
 - And, on-street parking and other features
 - Data acquisition contracted for \$148,659.50 with 

Project Purpose

- Provide geographic data to support:
 - Analysis of pedestrian and other active transportation modes in planning studies;
 - Development of priorities and funding criteria for active transportation projects;
 - Assessment of pedestrian access to transit facilities
- Not intended to meet requirements for evaluating compliance or specifying ADA Access improvements

Data Needs

- Main data gap
 - Sidewalk presence / absence
- Supplemental data
 - On-Street Parking – allowed or not allowed
 - Sidewalk separation from curb-line
 - Driveway locations (intersecting sidewalks)
 - Ramps and curb-cut locations
 - Possible obstructions

Data Sources

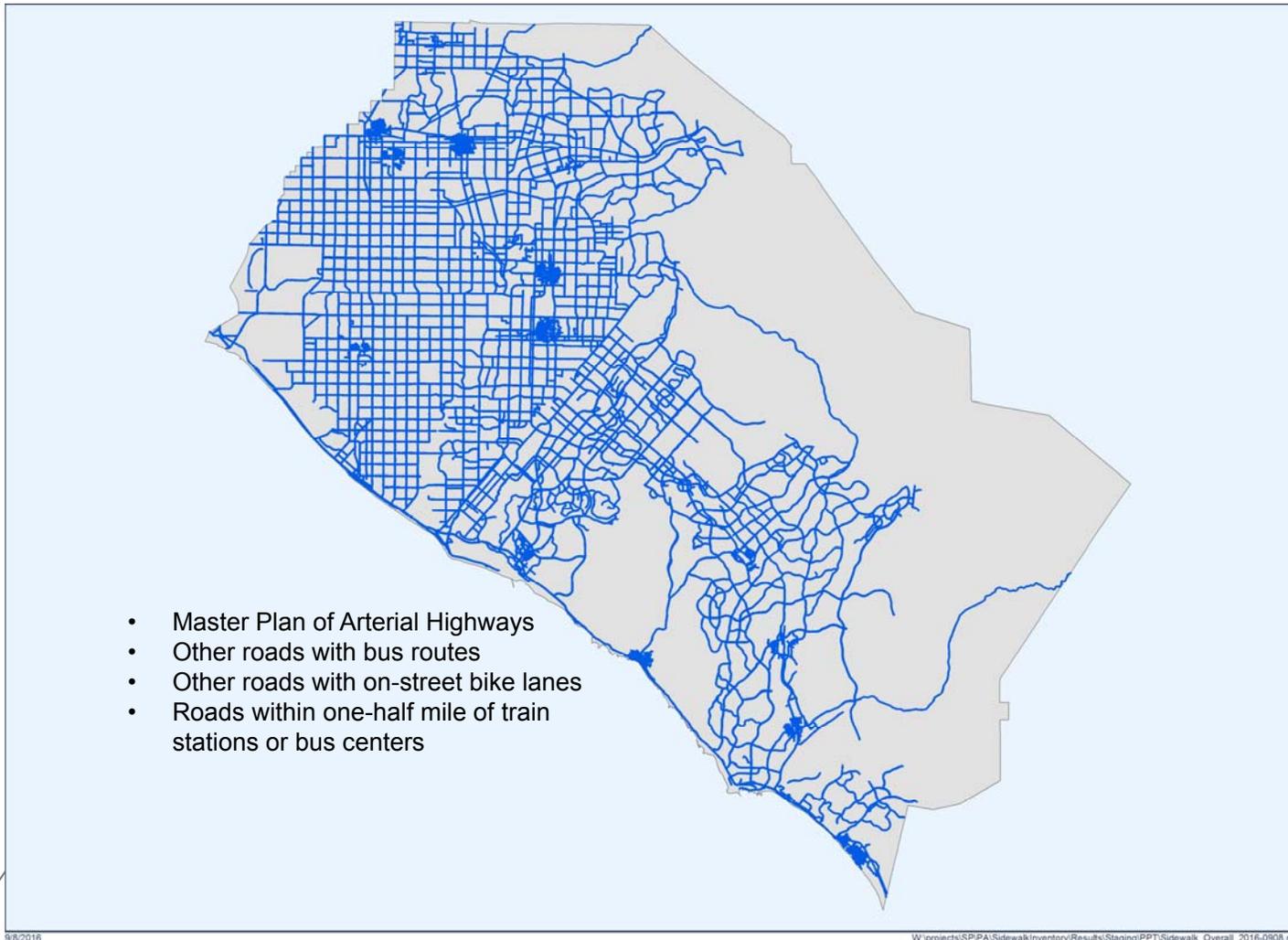
- Aerial Orthophoto Imagery
 - Nearmap
 - May 2015 – Apr 2016
 - Resolution is < 3-inches
 - US Geological Survey
 - 2014
 - Resolution ~12-inches
- Supplemental imagery
 - Google Street-View



High-Resolution



Extent of Project



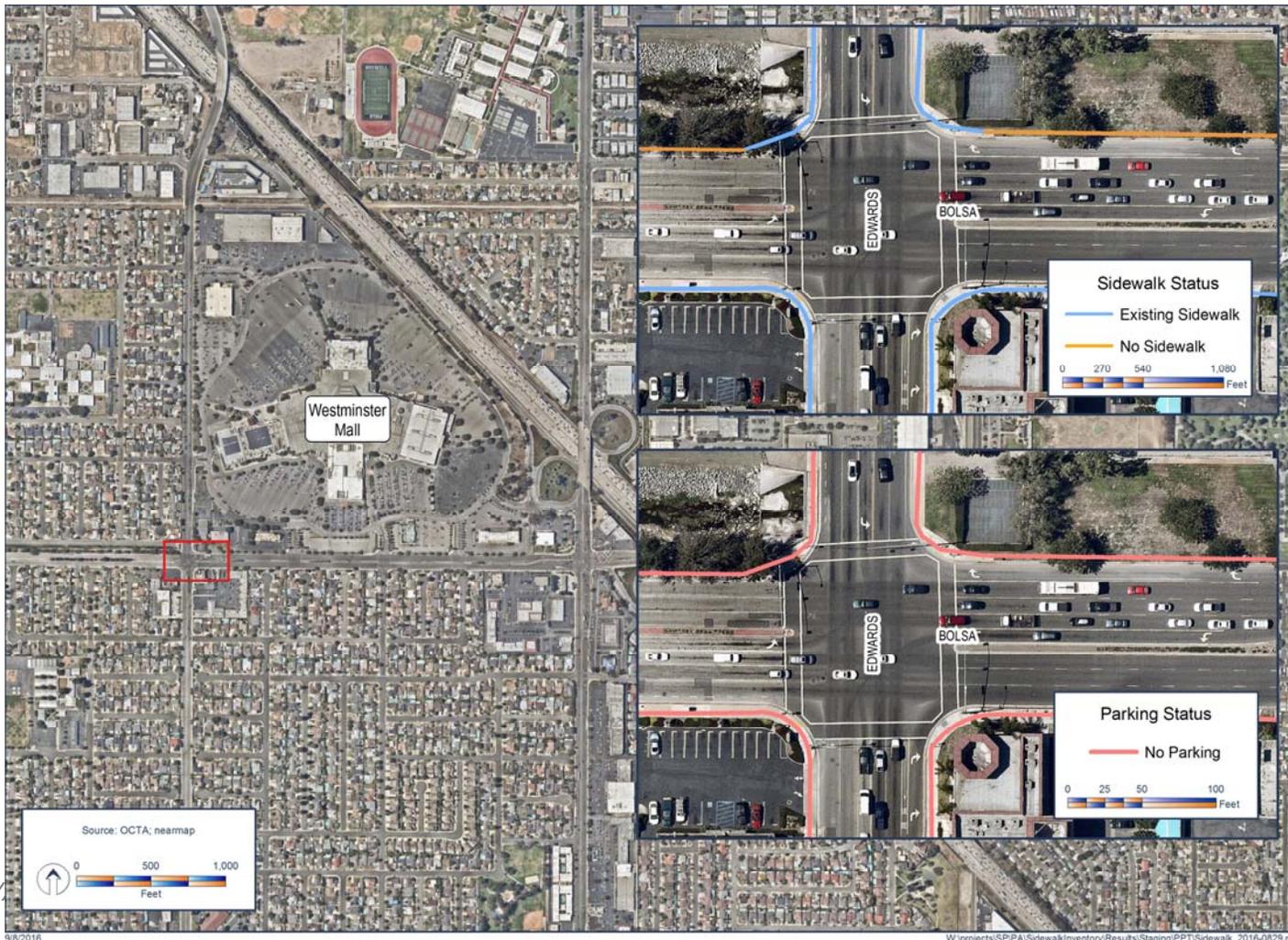
Data Collected

Data was collected for over 1,700 miles of roadway (both sides)

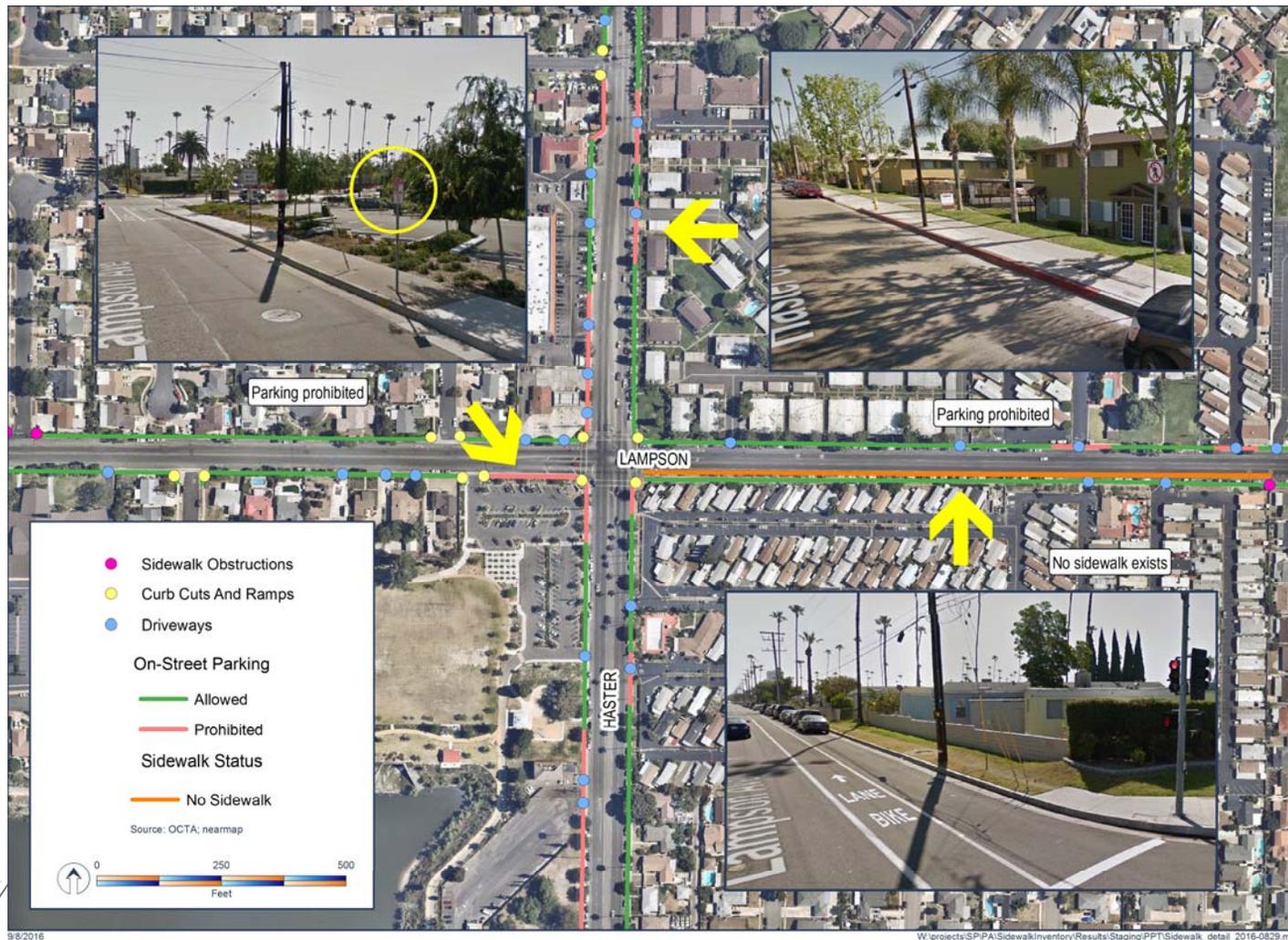
Data Layer	Features	Mileage
Sidewalks	39,391	3,357.59
On-Street Parking	38,317	3,394.52
Ramps / Curb-cuts	35,637	
Driveways	50,478	
Possible Obstructions	3,635	
Total	167,458	6,752

There are ~2,852 miles of sidewalk and ~506 miles of roadside without sidewalks.

Photo Interpretation



Aerial Photos & Street View



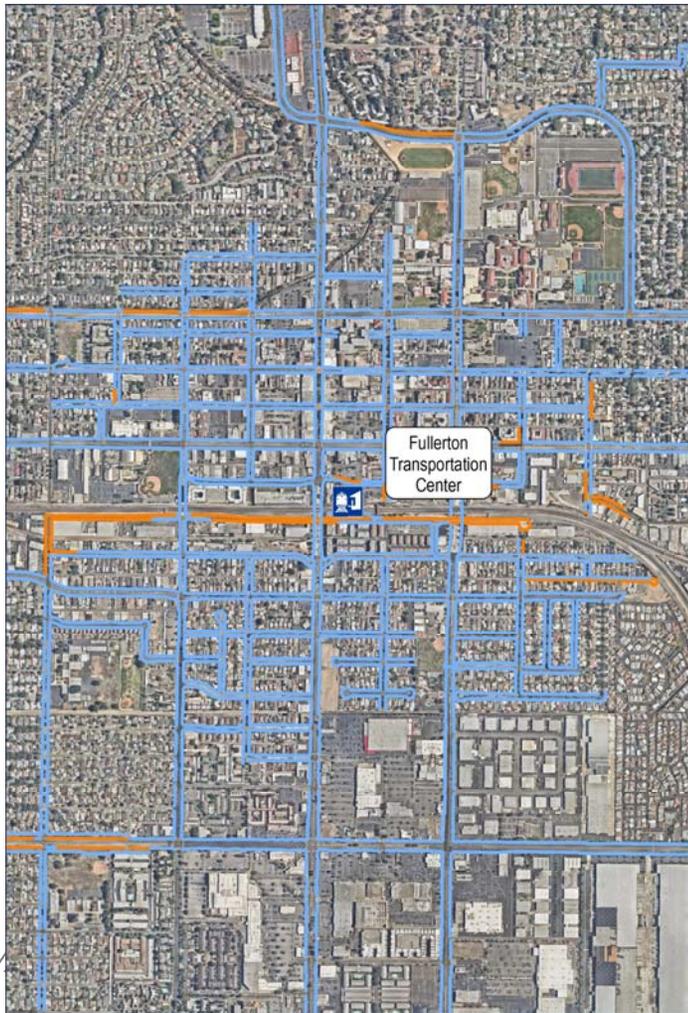
Features and Attributes



9/8/2016

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Rail Station Pedestrian Access



9/8/2016

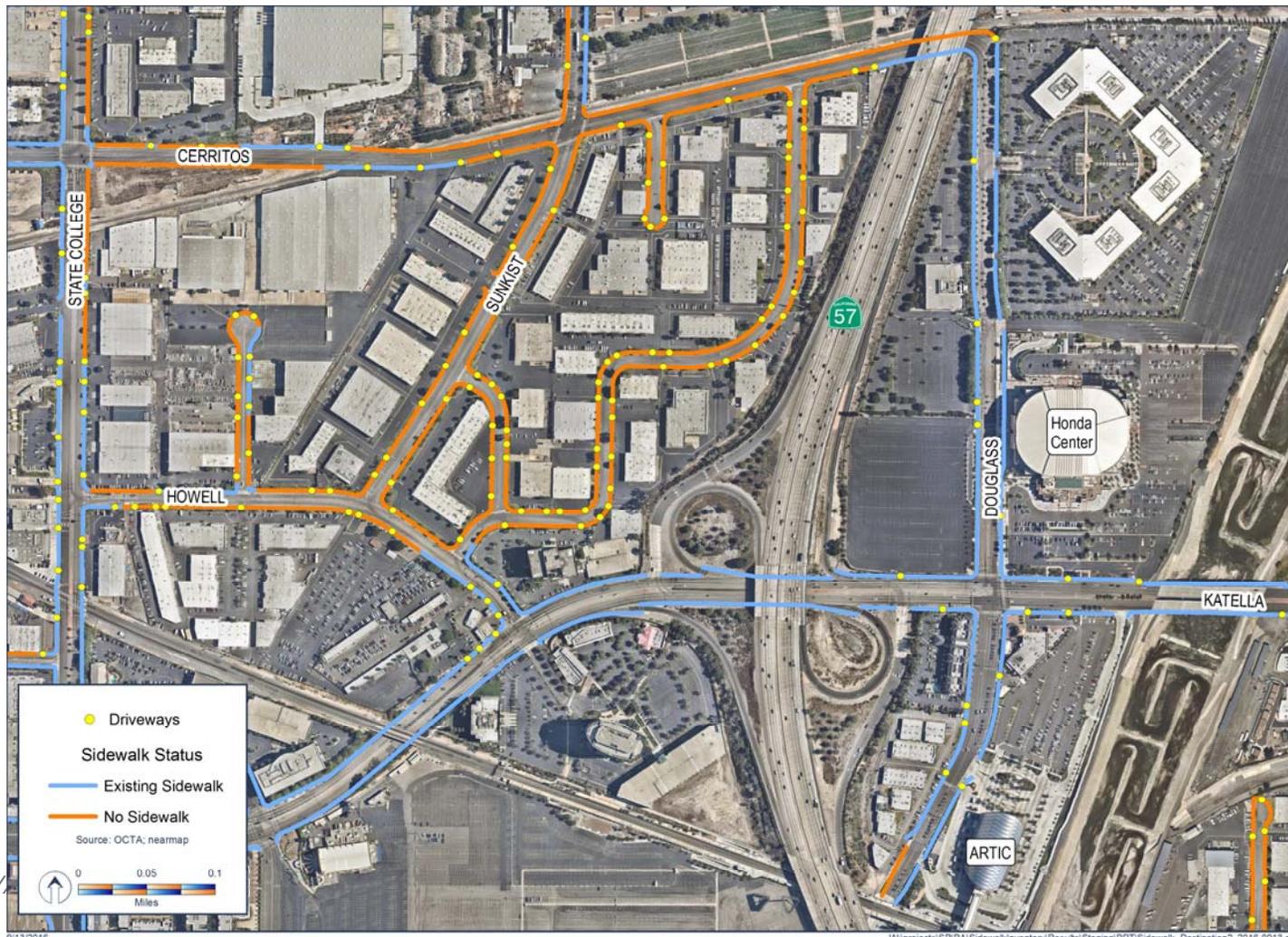


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Bus Stop Pedestrian Access



Employment Area Pedestrian Access



Next Steps

- Make data available
 - Loaded into central GIS repository
 - Publish a Web-based map of the inventory
 - Provide data for planning studies and external agencies, as needed
 - Available in ESRI-compatible GIS format
- Use in countywide Active Transportation Plan (early 2017)
 - New data is one of many components (bikeways, land-use, transit, socioeconomics, etc.)
 - Evaluate needs, identify, and prioritize active transportation recommendations and potential infrastructure improvements

Contact

Jim Sterling
Geographic Information Systems
jsterling@octa.net



November 9, 2015

To: Technical Advisory Committee
From: Orange County Transportation Authority Staff
Subject: Proposed 2017 Technical Steering Committee Membership

Overview

The Orange County Transportation Authority Technical Advisory Committee provides feedback and input on many local streets and roads related items and relies on the Technical Steering Committee to provide guidance on major technical issues. Technical Steering Committee members serve two-year terms, with the exception of one-year terms for the chairman and vice-chairman. This year, five positions are open for consideration. Presented is the 2017 roster for review and approval.

Recommendation

Approve the proposed 2017 Technical Steering Committee membership roster.

Background

The Orange County Transportation Authority (OCTA) Technical Advisory Committee (TAC) was established under enabling legislation for the former Orange County Transportation Commission. The TAC provides technical advice on issues related to streets and roads funding programs. The TAC also provides input regarding the allocation of Measure M2 (M2) competitive grant funds. The TAC is comprised of representatives from all Orange County cities, the County of Orange, the California Department of Transportation (Caltrans), and the Transportation Corridor Agencies. The TAC uses a Technical Steering Committee (TSC) to review and discuss major technical issues prior to submittal to the full TAC.

The TSC consists of nine voting members nominated by the TAC and approved by the OCTA Board of Directors (Board), as well as one ex-officio member appointed by the Caltrans District Director. There is one position for each of Orange County's five supervisorial districts, two at-large positions, and the TAC chair and vice-chair. The TSC membership process is coordinated through the City Engineers Association of Orange County, the TAC chair, and reviewed by the

2017 Proposed Technical Steering Committee Membership

TAC. In selecting TSC members, priority is given to maintaining a balance between small and large jurisdictions (small jurisdictions currently defined as those with populations less than 64,836), as well as consideration for a balance among supervisorial districts. Balance between north and south Orange County jurisdictions is considered to the extent practicable.

During the past year, the TSC provided guidance and policy direction on a number of issues related to the annual call for projects for the M2 Regional Capacity Program and Regional Traffic Signal Synchronization Program. The input of the TSC is essential for the M2 call for projects and project selection.

Discussion

This year, five of the nine regular TSC positions are open for consideration: Chair, Vice-chair, Second District, Fourth District, and one At-Large position. Historically, the vice-chair has moved to chair. The Second District, Fourth and At-Large positions will be selected for two-year terms; the chair and vice-chair serve for one-year terms.

In September 2016, OCTA solicited letters of interest from local jurisdictions to fill the vacancies for 2017. Five letters nominating eligible TAC members were received. In accordance with the OCTA Board-approved guidelines for administering the TSC, the president of the City Engineers Association of Orange County and the chair of the TAC reviewed these candidate letters of interest and a list of proposed nominations is provided.

Consistent with the guidelines and the past practice of the vice-chair assuming the chair position, staff presents a recommended 2017 TSC membership roster (Attachment A) for review and approval. The recommended roster strikes a balance between both the small/large as well as north/south cities.

Summary

The Technical Steering Committee provides guidance and direction on major technical issues before presentation to the full Technical Advisory Committee. The Technical Steering Committee members serve two-year terms with the exception of the chair and vice-chair (one-year terms). There are five positions up for reappointment in the current year. Presented for approval is a recommended roster for the 2017 Technical Steering Committee.

Attachment

- A. 2017 Proposed Technical Steering Committee Membership List

Proposed 2017 Technical Steering Committee Membership List†

NAME	AGENCY	2014* POPULATION	MEDIAN POPULATION SIZE	DISTRICT	NORTH/ SOUTH	SEAT EXPIRES
<i>Tom Wheeler</i>	<i>Lake Forest</i>	<i>80,070</i>	<i>Large</i>	<i>Chair</i>	<i>South</i>	<i>December 31, 2017</i>
<i>Manuel Gomez</i>	<i>Irvine</i>	<i>250,384</i>	<i>Large</i>	<i>Vice Chair</i>	<i>South</i>	<i>December 31, 2017</i>
Marwan Youssef	Westminster	92,106	Large	1	North	December 31, 2017
<i>Mark Lewis</i>	<i>Fountain Valley</i>	<i>57,201</i>	<i>Small</i>	<i>2</i>	<i>North</i>	<i>December 31, 2018</i>
<i>Doug Stack</i>	<i>Tustin</i>	<i>78,327</i>	<i>Large</i>	<i>3</i>	<i>North</i>	<i>December 31, 2018</i>
<i>Don Hoppe</i>	<i>Fullerton</i>	<i>141,407</i>	<i>Large</i>	<i>4</i>	<i>North</i>	<i>December 31, 2018</i>
E. Maximous	Rancho Santa Margarita	49,125	Small	5	South	December 31, 2017
<i>Steve May</i>	<i>San Juan Capistrano</i>	<i>34,208</i>	<i>Small</i>	<i>At-Large</i>	<i>South</i>	<i>December 31, 2018</i>
Rudy Emami	Anaheim	351,433	Large	At-Large	North	December 31, 2017

† Shading indicates positions recommended for consideration for the 2017 Technical Steering Committee roster.

* State of California, Department of Finance, *E-1 Population Estimates for cities, counties, and the state with annual percent change — January 1, 2014 and 2015*. Sacramento, California, May 2015.