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MEETING NOTICE AND AGENDA

MEMBER AGENCIES

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 Chula Vista
 Coronado
 Del Mar
 El Cajon
 Encinitas
 Escondido
 Imperial Beach
 La Mesa
 Lemon Grove
 National City
 Oceanside
 Poway
 San Diego
 San Marcos
 Santee
 Solana Beach
 Vista
 and
 County of San Diego

ADVISORY MEMBERS

Imperial County
 California Department
 of Transportation
 Metropolitan
 Transit System
 North County
 Transit District
 United States
 Department of Defense
 San Diego
 Unified Port District
 San Diego County
 Water Authority
 Southern California
 Tribal Chairmen's Association
 Mexico

SAN DIEGO REGIONAL TRAFFIC ENGINEERS COUNCIL (SANTEC)

The San Diego Regional Traffic Engineers Council (SANTEC) may take action on any item appearing on this agenda.

Thursday, April 21, 2016

9:30 to 11:30 a.m.

SANDAG, 7th Floor Conference Room
 401 B Street, Suite 800
 San Diego, CA 92101-4231

Staff Contact: Peter Thompson
 (619) 699-4813
 peter.thompson@sandag.org

AGENDA HIGHLIGHTS

- REGIONAL ARTERIAL MANAGEMENT SYSTEM UPDATE**

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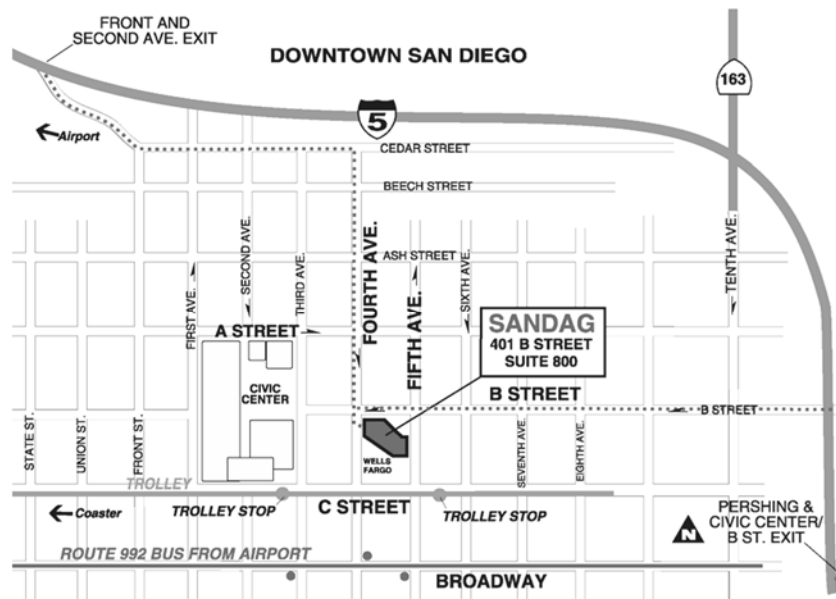
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SAN DIEGO REGIONAL TRAFFIC ENGINEERS COUNCIL

Thursday, April 21, 2016

ITEM NO.	RECOMMENDATION
1. INTRODUCTIONS	
2. PUBLIC COMMENTS	
<p>Members of the public shall have the opportunity to address the San Diego Regional Traffic Engineers Council (SANTEC) on any issue within the jurisdiction of SANDAG that is not on this agenda. Anyone desiring to speak shall reserve time by completing a "Request to Speak" form and giving it to the meeting coordinator prior to speaking. Public speakers should notify the meeting coordinator if they have a handout for distribution to working group members. Public speakers are limited to three minutes or less per person. SANTEC members also may provide information and announcements under this agenda item.</p>	
+3. APPROVAL OF MEETING MINUTES	APPROVE
<p>The SANTEC is asked to review and approve minutes from its February 18, 2016, meeting.</p>	
REPORTS	
4. CITY OF CHULA VISTA – EXPANSION OF ADAPTIVE SIGNAL CONTROL (Frank Rivera)	INFORMATION
<p>City of Chula Vista staff will present on new developments in traffic signal coordination technology that can greatly improve the efficiency of traffic signal operations and more effectively coordinate traffic signals to reduce travel times, delays and congestion along the City's major traffic corridors. This project ensures compliance with the City's Growth Management Oversight traffic threshold standards, and supports the Strong and Secure Neighborhood Strategic Goal by ensuring that the City's roadways are safe.</p>	
5. MARYLAND MOBILITY PROJECT (Husam Hasenin)	INFORMATION
<p>City of Vista Traffic Engineering staff will present on this "Safe Routes to School" project which extends sidewalks along North Drive from N. Melrose Avenue to El Pico Court; W. Los Angeles Drive between North Drive and W. California Avenue; and East Drive between North Drive and Cajon Circle. City of Vista staff will also present on the approach to providing driver speed feedback signs to keep motorists aware of the posted speed limit.</p>	
+6. REGIONAL ARTERIAL MANAGEMENT SYSTEM UPDATE (Stan Glowacki)	DISCUSSION/POSSIBLE ACTION
<p>SANDAG staff will provide an update on the Regional Arterial Management System (RAMS) Regional Maintenance and Support on-going efforts and User Group activities.</p>	
7. CALTRANS UPDATES	INFORMATION
<p>Caltrans will provide an update on various local programs, funding program deadlines, and announcements regarding upcoming conferences</p>	

8. CITIES/COUNTY TRANSPORTATION ADVISORY COMMITTEE MEETING BRIEFING (SANTEC Members) INFORMATION

SANTEC members will be provided with an overview of the Cities/County Transportation Advisory Committee (CTAC) discussion items presented during the CTAC, February 2016 meeting.

9. MATTERS FROM MEMBERS INFORMATION

SANTEC members are encouraged to discuss additional topics of general interest.

10. UPCOMING MEETINGS/AGENDA ITEMS INFORMATION

The next SANTEC meeting is scheduled for May 19, 2016, at 9:30 a.m.

+ next to an agenda item indicates an attachment

San Diego Association of Governments
SAN DIEGO TRAFFIC ENGINEERING COUNCIL WORKING
GROUP

April 21, 2016

AGENDA ITEM NO.: **3**

Action Requested: APPROVE

FEBRUARY 18, 2016, MEETING MINUTES

File Number 7300500

The meeting of the San Diego Traffic Engineering Council (SANTEC) was called to order by Minjie Mei at 9:42 a.m.

1. INTRODUCTIONS

Members of the Council and Public introduced themselves.

2. PUBLIC COMMENTS

None.

3. APPROVAL OF MEETING MINUTES (APPROVE)

Action: Upon a motion by Zoubir Ouadah (County of San Diego), seconded by Ali Shazad (City of Escondido), the minutes of the December 17, 2015, and January 21, 2016, SANTEC meeting were approved with correction to the January 21, 2016 minutes.

Yes: Chair Mei, Vice Chair Feilen, Dave Kaplan (City of Chula Vista), Jim Newton (City of Coronado), Ryan Zellers (representing City of Del Mar), Ali Shazad (City of Escondido), Kenneth Fernandez (City of National City), David DiPierro (City of Oceanside), Jon Collins (representing City of Poway), Jim Greenstein (City of Solana Beach), Duncan Fraser (City of San Diego), Zoubir Oudah (County of San Diego), Joshua Reese (Caltrans); No: None; Abstain: None; Absent: City of Carlsbad, City of El Cajon, City of Encinitas, City of Imperial Beach, City of Lemon Grove, City of San Marcos, City of Vista, Metropolitan Transit System, and North County Transit District.

REPORTS

4. REVISED SENATE BILL 743 GUIDELINES (INFORMATION)

Mr. Erik Ruehr (ITE West Division - Task Force Chair) provided SANTEC Members a presentation on the progress of the Office of Planning and Research (OPR) efforts towards implementation of Senate Bill 743 (Steinberg, 2013). Mr. Ruehr discussed how SB 743 will require the development of a transportation metrics other than vehicular LOS for use in the preparation of CEQA transportation and traffic analysis, with the intent of revising the transportation analysis methods to promote the state's goals of reducing GHG emissions and traffic-related air pollution; promoting the development of multimodal transportation systems, and providing clean, efficient access to destinations.

Mr. Ruehr made note to SANTEC Members of the current call for review comments on the "Revised Proposal on Updates to the CEQA Guidelines on Evaluating Transportation Impacts in CEQA." In

noting this, Mr. Ruehr highlighted how the concept of level of service (LOS) had been used for many years to assess operational performance for motor vehicle travel in terms of vehicle delay, and how the change under SB 743 towards evaluating transportation impacts under the California Environmental Quality Act (CEQA) is towards vehicle miles traveled (VMT). Mr. Ruehr advised SANTEC Members that the guidelines are available at: https://www.opr.ca.gov/docs/Revised_VMT_CEQA_Guidelines_Proposal_January_20_2016.pdf.

5. FUNDING MEASURE: UPDATE (DISCUSSION)

Based on direction from the Board of Directors, SANDAG staff is conducting public education regarding projects included in San Diego Forward: The Regional Plan (Regional Plan), as well as projects that have been delivered through the *TransNet* transactions and use tax measures. Staff will present highlights of the Regional Plan, describe initial ideas of what could be included in a funding measure, and the opportunities for providing input to the discussion. It is anticipated that a draft expenditure plan for a potential November 2016 ballot measure will go to the Board on March 25, 2016.

6. ACTIVITY BASED MODEL ENHANCEMENT FOR SERVICE BUREAU ANALYSIS (INFORMATION)

SANDAG staff provided SANTEC members with a presentation on information related to the recent changes within the Service Bureau toolsets. Mr. Calandra spoke of the Service Bureau's capability for delivering customized demographic and economic studies, data and analysis, GIS analysis and mapping, and transportation modeling. Staff discussed the evolution of transportation model within SANDAG, from a traditional four-step model to an activity based model structure. Staff addressed how the use of an activity based model would differ, and how the tool improves the Service Bureau products and services.

7. CALTRANS UPDATES (INFORMATION)

Caltrans DLAE staff provided SANTEC members with an update on various local programs, funding program deadlines, and announcements regarding upcoming events here within the Region.

8. CITIES/COUNTY TRANSPORTATION ADVISORY COMMITTEE MEETING BRIEFING (INFORMATION)

SANTEC members were provided with an overview of the Cities/County Transportation Advisory Committee (CTAC) discussion items presented during the CTAC, February 2016 meeting.

9. MATTERS FROM MEMBERS (INFORMATION)

No matters from members were entered at this meeting.

10. UPCOMING MEETINGS/AGENDA ITEMS (INFORMATION)

SANTEC members were informed that the next meeting of the SANTEC would be scheduled for March 17, 2016.

11. ADJOURNMENT

The Chair, Mr. Minjie Mei (City of Santee) adjourned the meeting at 11:04 a.m.

**SAN DIEGO TRAFFIC ENGINEERS COUNCIL
 MEETING ATTENDANCE FOR JANUARY 21, 2016**

JURISDICTION/ORGANIZATION	NAME	ATTENDED
City of Carlsbad	Doug Bilse	No
City of Chula Vista	Dave Kaplan	Yes
City of Coronado	Jim Newton	Yes
City of Del Mar	Ryan Zellers	Yes
City of El Cajon	Dennis Davies	No
City of Encinitas	Rob Blough	No
City of Escondido	Ali Shazad	Yes
City of Imperial Beach	Arnold Torma	No
City of La Mesa	Kathy Feilen, Vice Chair	Yes (late)
City of Lemon Grove	Pat Lund	No
City of National City	Kenneth Fernandez	Yes
City of Oceanside	David DiPierro	Yes (late)
City of Poway	Jon Collins	Yes
City of San Marcos	[unknown]	No
City of Santee	Minjie Mei, Chair	Yes
City of Vista	Hussan Husenin	No
City of San Diego	Duncan Hughes	Yes
City of Solana Beach	Jim Greenstein	Yes
County of San Diego	Zoubir Ouadah	Yes
CALTRANS	Joshua Reese	Yes
MTS	Mark Thompson	No
NCTD	Bruce Smith	No
OTHER ATTENDEES		
Erik Ruehr – VRPA Technologies Mike Calandra - SANDAG Laurie Gartrell - SANDAG Phil Trom - SANDAG Wishing Lima – Caltrans Maureen Gardiner – City of San Diego Jacob Armstrong – Caltrans		

San Diego Association of Governments
SAN DIEGO REGIONAL TRAFFIC ENGINEERS COUNCIL

April 21, 2016

AGENDA ITEM NO.: **6**

Action Requested: DISCUSSION/POSSIBLE ACTION

REGIONAL ARTERIAL MANAGEMENT SYSTEM UPDATE

File Number 3311000

Introduction

The following report provides an update on current regional maintenance and support efforts for the Regional Arterial Management System (RAMS). At the December 2011 meeting, the San Diego Regional Traffic Engineers Council (SANTEC) members recommended a regional pooled-fund model for on-going RAMS operations for Cities/County Transportation Advisory Committee (CTAC) approval. At the May 2015 meeting, CTAC members recommended support for a fourth year of RAMS operations based on the regional model recommended by staff and SANTEC members. The annual costs for RAMS operations were shared among the 14 participating local agencies, Caltrans, and SANDAG; based on the number of traffic signals within each jurisdiction. Operational costs of supporting and maintaining RAMS cover 1) Application support by McCain, Inc., 2) warranties on the server and network hardware, and 3) telecommunications support.

This staff report will update members on the fourth year of RAMS operations of the current regional model and ask that this report be provided to CTAC for consideration of on-going RAMS support and maintenance .

Discussion

Staff has worked with CTAC and SANTEC on the development of various components of on-going RAMS operations, consisting primarily of the monitoring of RAMS performance, the regional pooling of agency funds, and on-going interagency coordination via a RAMS Users Group.

Regional Fund Pool

The annual cost for regional RAMS operations budgeted for FY 2016 was \$236,000 for the 16 participating agencies. Based on the May 2015 CTAC recommendation, staff worked with local agencies on the transfer of funds into the regional pool established for on-going SANDAG operations. Staff provided local agencies with two options for transferring local funds to SANDAG:

1. Reprogram Local *TransNet* Funds via Regional Transportation Improvement Program (RTIP) Amendment – Agencies may opt to program existing local *TransNet* funds to cover the RAMS cost share. These agencies provided updated project information as part of the 2014 RTIP update cycle.

2. Direct Payment – Agencies may also opt to fund their respective RAMS cost share with other local funds and pay SANDAG directly. Direct payment by local agencies requires entering into an interagency funding agreement with SANDAG.

The agency cost shares and fund transfer options for FY 2016 RAMS Operations are shown on Attachment 1. Regional RAMS operations efforts were included in the approved FY 2016 SANDAG Budget and Overall Work Program (OWP) under ITS Operations (OWP No. 3311000).

RAMS Operations Overview and Update

FY 2016 has seen a continued decrease in open issues and nominal bug fixes. In general issues have been resolved during the quarterly McCain site visits or by phone support.

Staff has determined FY 2017 maintenance agreement provisions will not see a cost increase in the software support agreement, network communications, or hardware warranty support.

Transparency and Hardware Replacement

FY 2016 has focused on the software deployment and upgrade to McCain's QuicNet 4+ replacement, Transparency. Hardware procurement has been completed and staff anticipates all base configurations will be complete by May 2016. In parallel, staff is continuing negotiations with the Internet Service Provider (ISP) to update communications for migration off of the legacy T1/Frame Relay service. Staff acknowledges that the anticipated contract for communications was delayed due to the ISP not being able to provide support at all locations. In turn an alternative product was selected for implementation that is the same cost and better performing as the current legacy frame relay network. Completion of installation is estimated for June 2016. Due to the delays in the deployment of the network the following high level schedule is now the anticipated Transparency implementation for the remainder of FY 2016 and into FY 2017:

Quarter 4 (April – June 2016) - Continuation of Active working groups - To familiarize users with the new features and aspects of Transparency, ongoing focus groups and demonstration meetings will be scheduled. This initial set of meetings will transition from recurring to informal as requested by the participating agencies and led by the McCain team for further training and education of users.

Quarter 1 (July – September 2016) - Application integration - Started during Quarter 4 of FY 2016 the application installation, and database migrations will continue at each agency location. This will not interfere with ongoing QuicNet4+ production or operations.

Quarter 2 (October – December 2016) - Active testing of Transparency – Quarter 2 will see the beginnings of the transition of production and operations from QuicNet4+ to Transparency. Staff foresees both systems running side by side for comparison and continued familiarization of the Transparency application.

Quarter 3 (January – March 2017) - Decommissioning of QuicNet4+ - The final step for the schedule will be the final acceptance of the Transparency software and, in turn, the decommissioning of each agency's QuicNet4+ software and associated hardware and network equipment.

Action

It is asked that the SANTEC members send the Regional Arterial Management System Update to the CTAC on the next available meeting agenda, and that CTAC members provide consideration of their support for ongoing operations and maintenance allocations listed in Attachment 1: Regional Support Model Cost Sharing Breakdown.

Next Steps

This report provided an overview of year four of RAMS operations and is being presented to SANTEC to capture performance input and discussion comments, which will then be provided to the CTAC to consider continued support of the current regional funding model, at which staff will discuss and request continued support of the on-going RAMS support and maintenance cost sharing model for Fiscal Year 2017 during their May 5, 2016 CTAC meeting.

Attachment: 1. Regional Support Model Cost Sharing Breakdown

Key Staff Contacts: Stan Glowacki, (619) 699-1913, Stan.Glowacki@sandag.org
Alex Estrella, (619) 699-1928, Alex.Estrella@sandag.org
Ellison Alegre, (619) 699-0729 Ellison.Alegre@sandag.org

**Regional Arterial Management System (RAMS) Operations
Regional Support Model Cost Sharing Breakdown**

Agency	Signal Count	Signal %	Total Annual Costs	Cost Share %
City of San Diego	1,520	43%	\$67,600	29%
Caltrans District 11	470	13%	\$24,400	10%
City of Chula Vista	253	7%	\$15,500	7%
County of San Diego	182	5%	\$12,500	5%
City of Carlsbad	161	5%	\$11,700	5%
City of Escondido	152	4%	\$11,300	5%
City of Oceanside	149	4%	\$11,200	5%
City of San Marcos	141	4%	\$10,800	5%
City of El Cajon	113	3%	\$9,700	4%
City of Vista	93	3%	\$8,800	4%
City of National City	73	2%	\$8,000	3%
City of Encinitas	58	2%	\$7,400	3%
City of La Mesa	57	2%	\$7,400	3%
City of Santee	57	2%	\$7,400	3%
City of Poway	55	2%	\$7,300	3%
SANDAG	0	0%	\$15,000	6%
Grand Total	3,534	100%	\$236,000	100%