



401 B Street, Suite 800
 San Diego, CA 92101-4231
 (619) 699-1900
 Fax (619) 699-1905
 www.sandag.org

MEETING NOTICE AND AGENDA

SAN DIEGO REGIONAL TRAFFIC ENGINEERS COUNCIL

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

Thursday, September 19, 2013

9:30 to 11:30 a.m.

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

CHAIR: Ali Shahzad, City of Escondido

VICE CHAIR: Sam Hasenin, City of Vista

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

AGENDA HIGHLIGHTS

- **REGIONAL ARTERIAL DETECTION SYSTEM DEPLOYMENT STRATEGY**

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SAN DIEGO REGIONAL TRAFFIC ENGINEERS COUNCIL

Thursday, September 19, 2013

ITEM #		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 SANTEC coordinator prior to speaking. Public speakers should notify the SANTEC 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.	MEETING SUMMARY OF JULY 18, 2013	APPROVE
<p>SANTEC is asked to review and approve the meeting summary of July 18, 2013.</p>		
REPORTS (4 through 8)		
4.	SAN DIEGO FORWARD: THE REGIONAL PLAN: DRAFT UNCONSTRAINED TRANSPORTATION NETWORK (Phil Trom)	DISCUSSION
<p>Defining the Unconstrained Transportation Network is an important step in developing the Regional Plan, because it establishes the broadest network from which funding scenarios will be identified. Once the Unconstrained Network is finalized, staff will rank all of the future projects using the Evaluation Criteria currently under development. Staff is now seeking input on the development of the draft Unconstrained Transportation Network. After working group input is collected in September, staff will develop the draft network for review by the Transportation and Regional Planning Committees in October 2013.</p>		
+5.	REGIONAL ARTERIAL DETECTION SYSTEM DEPLOYMENT STRATEGY (Alex Estrella)	DISCUSSION
<p>In spring of 2013, SANDAG in coordination with and input from SANTEC and the Cities/County Transportation Advisory Committee (CTAC) completed the Regional Arterial Detection System Development Plan. The plan provides the platform for establishing a regional arterial detection implementation strategy that will ultimately serve as the foundation for setting future arterial detection deployment efforts. This is a follow-up to SANDAG's efforts for undertaking the implementation of the Arterial Detection System Development Plan and will include a summary of proposed implementation strategy and overall overview of proposed strategy implementation timeline.</p>		

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|------------|---|--------------------|
| 6. | REGIONAL ARTERIAL MANAGEMENT SYSTEM USER GROUP
(Brian Wagner) | DISCUSSION |
| | Regional Arterial Management System agencies utilize McCain’s QuicNet 4+ system as their primary central traffic management system. Utilizing existing infrastructure, the QuicNet 4+ system can collect detector count and system detector data, which can then be displayed through logs and reports. This presentation will provide insight into the setup and configuration of count and system detectors at the local controller level and on QuicNet 4+ and the two different methods of viewing this data. | |
| 7. | CALIFORNIA DEPARTMENT OF TRANSPORTATION UPDATES (Caltrans) | INFORMATION |
| | Caltrans will provide an update on various local programs, funding program deadlines, and announcements regarding upcoming conferences. | |
| 8. | CITIES/COUNTY TRANSPORTATION ADVISORY COMMITTEE MEETING
BRIEFING (SANTEC Members) | INFORMATION |
| | SANTEC members will be provided with an overview of CTAC discussion items presented during the CTAC, July 2013 meeting. | |
| 9. | MATTERS FROM MEMBERS | INFORMATION |
| | SANTEC members are encouraged to discuss additional topics of general interest. | |
| 10. | UPCOMING MEETINGS/AGENDA ITEMS | INFORMATION |
| | SANTEC will be dark in August 2013. | |

+ next to an agenda item indicates an attachment

San Diego Association of Governments
SAN DIEGO REGIONAL TRAFFIC ENGINEERS COUNCIL

September 19, 2013

AGENDA ITEM NO.: **3**

Action Requested: APPROVE

MEETING SUMMARY OF JULY 18, 2013

File Number 7300500

1. Introductions

The attendees of the meeting introduced themselves at the request of the San Diego Regional Traffic Engineers Council (SANTEC) Chair.

2. Comments from the Public

No public comments were entered.

3. Approval of Meeting Summary

SANTEC was asked to hold approval of the July 18 meeting summary until a quorum was achieved.

4. Exploring the Interrelationships of Emerging Transportation Technologies with Alternative Land Use and Transportation Scenarios to Further Reduce Greenhouse Gas Emissions

Staff provided SANTEC with an overview of the approach to preparing alternative land use and transportation scenarios to explore a range of options for what it will take to further reduce greenhouse gas (GHG) emissions between 2035 and 2050 in San Diego Forward: the Regional Plan.

Staff stated that the SANDAG Board of Directors committed to efforts to develop the alternative scenarios and incorporate opportunities to explore the development of emerging transportation technologies to help the region further reduce GHG emissions. Members of SANTEC were then played a demonstrative video showing how the combination of alternative scenarios can be enhanced through the use of emerging technologies.

Members of the SANTEC then asked staff questions related to the approach of developing alternate scenarios, with most interest shown in the level of potential overlap that will be evaluated between each of the alternates developed.

Staff then provided initial feedback to the council on the nature of comments that SANDAG received during the recently completed public outreach events. Staff reported that safety and economic vitality were a large focus of the comments received.

5. Livable Streets Assessment for Carlsbad

Mr. Jones, Deputy Director for the City of Carlsbad Transportation Department presented the findings from the recently completed award-winning Livable Streets Assessment. Mr. Jones identified how the assessment had provided the city with opportunities for enhancing the strategic synergy between departments, funding, resources, plans, policies, procedures, and decision-making.

Mr. Jones then provided the council with an overview of more than 25 projects that had been completed in the last sixteen months. The City of Carlsbad has found that the approaches taken to implementing projects have been very effective at transforming vehicle streets into livable streets, reducing speeds, and increasing safety. Mr. Jones stated that many of the projects resulted in either dedicated or shared use Livable Streets facilities that the city had received no public complaints about. Mr. Jones stated that through the use of Minor Works public contracts, that his department was continuously looking for ways to say “yes” to Livable Streets projects, as the increased maintenance costs associated with additional lane markings had been more than offset by the additional economic vitality that these projects had brought to the business community of the city.

SANTEC members then discussed the approach the city had taken to using the flexibility that California Manual on Uniform Traffic Control Devices guidelines provide, and how the city conducted community centric design.

6. 2012 State of the Commute Report

Staff reported to SANTEC the state of ongoing performance monitoring efforts here in the region. The 2012 State of the Commute Report was reviewed including data on the region's urban highways, bus systems, and rail services (report attached).

Members asked whether the report would begin to track bike and pedestrian performance in future years, now that regional funding had begun to shift to these modes of transport. Staff stated that this was currently outside of the scope of the current report, but could be incorporated in the future once reliable detection capabilities existed as they do on freeways and some arterials throughout the region.

Members then asked how the report is used to inform SANDAG in their decision-making on strategies such as Smart Growth? Staff responded that the report is designed to inform all parties interested in the before/after performance trends within the region.

7. California Department of Transportation Updates

Caltrans District Local Assistance Engineer staff provided updates on the current Highway Safety Improvement Program. No questions were raised.

8. CTAC Meeting Briefing

SANTEC members were provided with an overview of CTAC discussion items presented during the CTAC, July 2013 meeting.

9. Matters from Members

SANTEC members discussed several matters related to the local interpretation of regulations that may have changed.

10. Upcoming Meetings/Agenda Items

SANTEC will be dark in August.

San Diego Association of Governments
SAN DIEGO REGIONAL TRAFFIC ENGINEERS COUNCIL

September 19, 2013

AGENDA ITEM NO.: **5**

Action Requested: DISCUSSION

REGIONAL ARTERIAL DETECTION SYSTEM DEPLOYMENT STRATEGY

File Number 7300500

Introduction

In spring of 2013, SANDAG in coordination with and input from the San Diego Regional Traffic Engineers Council (SANTEC) and Cities/County Transportation Advisory Committee (CTAC) completed the Regional Arterial Detection System Development Plan. The plan provides the platform for establishing a regional arterial detection implementation strategy that will ultimately serve as the foundation for setting future arterial detection deployment efforts. This is a follow-up to SANDAG's efforts for undertaking the implementation of the Arterial Detection System Development Plan and will include a summary of proposed implementation strategy and overall overview of proposed strategy implementation approach. On Thursday, October 3, 2013 staff will present the proposed framework to the CTAC for discussion and input.

Discussion

SANDAG staff is seeking input and feedback from both the SANTEC and CTAC on the proposed regional arterial detection system implementation strategy that will provide the framework for a phased implementation of arterial detection throughout the region. The proposed strategy will be guided through the following key goals and guiding implementation principles as established in the Regional Arterial Detection System Development Plan and are as follows:

1. Improved Regional Arterial Operations – Focus on regional arterial detection implementation that will enhance the regions ability to document benefits of arterial project improvements to support performance-based arterial operations and management and enhance traveler information.
2. Improved Traveler Information – Focus on regional arterial detection implementation that will enhance the regions ability to provide better information on speeds, travel times, or congestion-related information to the motoring public.
3. Improved Performance Monitoring and Reporting – Focus on regional arterial detection system implementation along key regional arterials to support and align with local and regional performance monitoring and reporting efforts.

The following are the guiding implementation principles:

- a) When considering detection systems along the regional arterial network, priority will be given to detection system improvements that promote regional, corridor, and multi-agency arterial management improvements.

- b) When considering detection systems along the regional arterial network, priority will be given to detection system improvements that will support on-going performance based management strategies to improve arterial operations such as multi-jurisdictional signal timing.
- c) When considering detection systems along the regional arterial network, priority will be given to detection system improvements that will support regional arterial performance monitoring reporting.
- d) Regional arterial detection system improvements will support improvements and ability to enhance, automate, and establish uniform data collection and analysis process.
- e) The detection systems along the regional arterial network will place emphasis on supporting regional investment strategies that support real-time data to promote travel choices.

Regional Arterial Detection Implementation Approach and Priority Areas

The regional arterial detection system deployment strategy places emphasis on two priority areas that support regional level efforts through a phased approach. The areas include implementation or enhancements to arterial data for traveler information and on-going performance monitoring and reporting as a near-term and costs effective implementation priority area. The phased approach also includes improvements to arterial detection that support regional level arterial operations as a longer-term implementation priority area.

Regional Arterial Detection Near-Term Priority Area

By placing emphasis on a Near-Term implementation priority area, the overall intent is to implement or enhance the regions ability to start capturing arterial data in a relative short timeframe within 3- 6 months. This priority area strategy allows for establishing a performance monitoring framework to support and enhance existing and on-going local and regional level reporting efforts. The potential benefits and key points to consider through the implementation of a short term priority area could include:

- Provide better information on speeds, travel times, or congestion related information to the motoring public.
- Support and align with local and regional performance monitoring and reporting efforts.
- Prepare for planned performance measurement reporting initiatives including planned MAP 21 efforts.
- Proposed Application Coverage will include priority to RAS and NHS, Region, Corridors, Local arterial network and will be based on the guiding principles reference above.

Regional Arterial Detection Long-Term Priority Area

The long term implementation priority area will allow the region to move forward to construction readiness and get a number of arterial detection projects "shovel ready" and position well as funding opportunities become available. The intent is to proceed with preliminary engineering and design work for the implementation of permanent detection systems to improve Regional Arterial

Operations on a rolling timeline approach starting in FY15. The potential benefits and key points to consider through the implementation of a long term priority area could include:

- Get projects “shovel ready”
- Permanent arterial data detection for operations will provide for automated, continuous, and real-time data
- Support and align with local and regional level pro-active signal timing
- Support and align with state and federal efforts for corridor level operations such as the Integrated Corridor Management Initiative
- Supports proposed TSM activities in ITS Strategic Plan and San Diego Forward: The Regional Plan
- Proposed application coverage will include priority to Corridors and Regional Arterial System will be based on the guiding principles reference above

The implementation of permanent detection systems as a long-term strategy will need to reflect the region’s commitment to a more comprehensive approach for improved corridor level operations and management. For this reason, staff proposes to work with SANTEC and CTAC through Fiscal Year 2014 to develop a list of candidate projects that will be based on the following initial corridor/project screening criteria considerations:

- Local partner agency support through funding match contribution
- Local partner agency support to ongoing performance monitoring and reporting
- Local partner agency support for construction phase

It is anticipated that the implementation of permanent detection systems as a long-term strategy will be carried out on a rolling timeline as funding becomes available and subject preliminary engineering and design work efforts are completed.

Next Steps

SANDAG staff is seeking input and feedback from SANTEC on the proposed regional arterial detection system deployment strategy. The schedule for implementation of the proposed strategy is planned to be initiated through a Request for Proposals in late fall. On Thursday, October 3, 2013, staff will present the proposed framework to the CTAC for discussion and input.

Key Staff Contact: Alex Estrella, (619) 699-1928, alex.estrella@sandag.org