MEETING NOTICE
AND AGENDA

CITIES/COUNTY TRANSPORTATION ADVISORY COMMITTEE

The Cities/County Transportation Advisory Committee may take action on any item appearing on this agenda.

Thursday, September 8, 2016

1:15 to 1:30 p.m. – CTAC Meeting
1:30 to 3:15 p.m. – Joint CTAC/TWG Meeting

SANDAG, 7th Floor Board Room
401 B Street, Suite 800
San Diego, CA 92101

Please take the elevator to the 8th floor to access the meeting room.

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

Immediately following the Cities/County Transportation Advisory Committee meeting, at approximately 1:30 p.m., there will be a Joint Meeting with the Regional Planning Technical Working Group.

AGENDA HIGHLIGHTS

• PROGRAMMING REPURPOSED EARMARK PROJECTS
• ROLL-OUT OF ADDITIONAL ENERGY ROADMAP SERVICES
• REGIONAL MOBILITY HUB IMPLEMENTATION STRATEGY UPDATE
• SERIES 14 REGIONAL GROWTH FORECAST PROGRESS REPORT

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Secure bike parking is available in the building garage off Fourth Avenue.

In compliance with the Americans with Disabilities Act (ADA), SANDAG will accommodate persons who require assistance in order to participate in SANDAG meetings. If such assistance is required, please contact SANDAG at (619) 699-1900 at least 72 hours in advance of the meeting.

To request this document or related reports in an alternative format, please call (619) 699-1900, (619) 699-1904 (TTY), or fax (619) 699-1905.
Welcome to SANDAG. Members of the public may speak to the Working Group on any item at the time the Working Group is considering the item. Please complete a Speaker's Slip, and then present the slip to the Clerk of the Working Group. Members of the public may address the Working Group on any issue under the agenda item entitled Public Comments/Communications/Member Comments. Public speakers are limited to three minutes or less per person unless otherwise directed by the Chair. The Working Group may take action on any item appearing on the agenda.

Public comments regarding the agenda can be sent to SANDAG via comment@sandag.org. Please include the agenda item, your name, and your organization. Email comments should be received no later than 12 noon, two working days prior to the meeting. Any handouts, presentations, or other materials from the public intended for distribution at the meeting should be received by the Clerk of the Working Group no later than 12 noon, two working days prior to the meeting.

In order to keep the public informed in an efficient manner and facilitate public participation, SANDAG also provides access to all agenda and meeting materials online at www.sandag.org/meetings. Additionally, interested persons can sign up for e-notifications via our e-distribution list at either the SANDAG website or by sending an email request to webmaster@sandag.org.

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如有需要，我们可以把SANDAG议程材料翻译成其他语言。

请在会议前至少72小时打电话(619) 699-1900提出请求。

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<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>RECOMMENDATION</th>
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<tbody>
<tr>
<td>A.</td>
<td>WELCOME AND INTRODUCTIONS</td>
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<tr>
<td>B.</td>
<td>PUBLIC COMMENTS</td>
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</table>

Members of the public shall have the opportunity to address the Cities/County Transportation Advisory Committee (CTAC) 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 CTAC members. Public speakers are limited to three minutes or less per person. CTAC members also may provide information and announcements under this agenda item.

+C. APPROVAL OF MEETING MINUTES

The CTAC is asked to review and approve the minutes from its June 2, 2016, meeting.

REPORTS

+D. QUARTERLY TransNet FINANCIAL REPORTS FOR THE PERIOD ENDING JUNE 30, 2016 (Lisa Kondrat-Dauphin)

Staff will provide the quarterly TransNet financial balances for the Local Street and Road Balances. The information is planned to be presented to the Independent Taxpayers Oversight Committee on Wednesday, September 14, 2016.

+E. PROGRAMMING REPURPOSED EARMARK PROJECTS (Dawn Vettese)

On July 15, 2016, the Transportation Committee approved a plan to repurpose unused federal earmark funds in response to a provision in the 2016 Consolidated Appropriations Act and guidance provided by Caltrans. Staff will provide an update on the status of the repurposing effort. Staff will also review programming requirements to be implemented after Federal Highway Administration’s approval of repurposed projects.

F. ADJOURNMENT AND NEXT MEETING

The next CTAC meeting is scheduled for Thursday, October 6, 2016.

+ next to an agenda item indicates an attachment
# JOINT MEETING OF THE CITIES/COUNTY TRANSPORTATION ADVISORY COMMITTEE AND THE REGIONAL PLANNING TECHNICAL WORKING GROUP

**Thursday, September 8, 2016**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
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<tbody>
<tr>
<td>1.</td>
<td>WELCOME AND INTRODUCTIONS</td>
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<td>2.</td>
<td>PUBLIC COMMENTS</td>
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<td></td>
<td>Members of the public will have the opportunity to address the Cities/County Transportation Advisory Committee (CTAC) and the Regional Planning Technical Working Group (TWG) 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 coordinators prior to speaking. Public speakers should notify the meeting coordinators if they have a handout for distribution to CTAC and TWG members. Public speakers are limited to three minutes or less per person. CTAC and TWG members also may provide information and announcements under this agenda item.</td>
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## REPORTS

**+3. ROLL-OUT OF ADDITIONAL ENERGY ROADMAP SERVICES**

<table>
<thead>
<tr>
<th>INFORMATION</th>
<th>(Anna Lowe and Katie Hentrich)</th>
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<tr>
<td>Sandag’s Local Government Partnership with San Diego Gas &amp; Electric has been extended through 2020. Staff will provide an update on the Energy Roadmap Program and describe the additional energy engineering and climate planning services available to the sixteen roadmap cities.</td>
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**+4. REGIONAL MOBILITY HUB IMPLEMENTATION STRATEGY UPDATE**

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<th>INFORMATION</th>
<th>(Miriam Kirshner and Marisa Mangan)</th>
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<td>A report will be provided on the two primary products under development as part of the Regional Mobility Hub Implementation Strategy, including the Mobility Hub Design Elements Catalog, and design prototypes that illustrate how mobility hubs can be developed in a variety of different place types. The public outreach effort also will be described.</td>
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**5. CARLSBAD VILLAGE, BARRIO, AND BEACH AREA PARKING STUDY**

<table>
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<tr>
<th>INFORMATION</th>
<th>(Pam Drew, City of Carlsbad, and Cheryl Mason, SANDAG)</th>
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<tbody>
<tr>
<td>The City of Carlsbad is developing a parking study for the Carlsbad Village, Barrio, and Beach Area. The intent of this parking study is to develop a parking management plan that will provide recommended near-term and long-term strategies to maximize efficiency of parking and improve mobility in the project area. Carlsbad is working with the SANDAG Service Bureau to help manage the effort and is accessing one of the SANDAG on-call consultants to perform the work.</td>
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</table>
+6. SERIES 14 REGIONAL GROWTH FORECAST PROGRESS REPORT
(Rachel Cortes and Clint Daniels)

An update on progress made on developing the Series 14 Regional Growth Forecast will be given. The SANDAG Regional Models staff also will demonstrate and answer questions about the review tool developed to collect data to be used as inputs for the Series 14 Forecast.

7. ADJOURNMENT AND NEXT MEETING

The next CTAC meeting is scheduled for Thursday, October 6, 2016. The next TWG meeting is scheduled for Thursday, October 13, 2016.

+ next to an agenda item indicates an attachment
JUNE 2, 2016, MEETING MINUTES

The meeting of the Cities/County Transportation Advisory Committee (CTAC) was called to order by Chair Frank Rivera (City of Chula Vista) at 9:38 a.m.

1. WELCOME AND INTRODUCTIONS

The attendance sheet for this meeting is attached.

2. PUBLIC COMMENTS

Members of the public had the opportunity to address the CTAC on any issue. There were no public comments. However, the following agencies announcements were made:

Alex Estrella, Senior Regional Planner (SANDAG), provided a procedure update of the CTAC meetings to be recorded to adhere to the Brown Act.

Melina Pereira (Caltrans, Planning Division), provided a Caltrans update regarding the local program team.

3. APPROVAL OF MEETING MINUTES (APPROVE)

Action: Upon a motion by Vice Chair Edward Deane (City of Encinitas) and a second by Mohammed Sammak (City of Solana Beach), the CTAC approved the May 5, 2016, meeting minutes. Yes – Chair Rivera, Vice Chair Deane, Marshal Plantz (City of Carlsbad), Ed Walton (City of Coronado), Mario Sanchez (City of El Cajon), Julie Procopio (City of Escondido), Linda Marabian (City of San Diego), Nic Abboud (City of San Marcos), Mr. Sammak, and Michael Long (County of San Diego). No – None. Abstain – Mike James (City of Lemon Grove), David DiPierro (City of Oceanside), and Minjie Mei (City of Santee). Absent – City of Del Mar, City of Imperial Beach, City of La Mesa, City of National City, City of Poway, City of Vista, Metropolitan Transit System, and North County Transit District.

REPORTS

4. REPURPOSING FEDERAL EARMARKED FUNDS (INFORMATION)

SANDAG staff provided information on feedback received regarding earmarks within their jurisdiction that may be eligible for repurposing.
**Action**: This item was presented for information.

5. **STATUS REPORT IN FUNDING MEASURE (INFORMATION)**

SANDAG staff presented a status report, including the proposed expenditure plan discussed by the Board of Directors and current and next steps for getting the funding measure on the November 2016 ballot.

**Action**: This item was presented for information.

6. **TransNet LOCAL STREET AND ROAD PROGRAM BIENNIAL REPORT (DISCUSSION)**

SANDAG staff provided an overview of the data collected from the 2016 Regional Transportation Improvement Program submittals and asked the CTAC to review the data template an overall timeline for gathering and presenting the Annual Local Street and Road Program report to the Independent Taxpayer Oversight Committee in July 2016.

**Action**: This item was presented for discussion.

7. **UPDATE ON REGIONAL COMPLETE STREETS POLICY IMPLEMENTATION (INFORMATION)**

Staff presented a report on the implementation of the SANDAG Regional Complete Streets Policy. The report was provided to the SANDAG Regional Planning and Transportation Committees last month.

8. **UPCOMING MEETINGS (INFORMATION)**

The next meeting of the CTAC is scheduled for Thursday, September 1, 2016.

9. **ADJOURNMENT**

Chair Rivera adjourned the meeting at 10:53 a.m.
# CITIES/COUNTY TRANSPORTATION ADVISORY COMMITTEE

**MEETING ATTENDANCE FOR JUNE 2, 2016**

<table>
<thead>
<tr>
<th>JURISDICTION/ORGANIZATION</th>
<th>NAME</th>
<th>ATTENDING</th>
<th>COMMENTS</th>
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<tbody>
<tr>
<td>City of Carlsbad</td>
<td>Vacant</td>
<td>N/A</td>
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<td></td>
<td>Marshall Plantz, First Alternate</td>
<td>Yes</td>
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<td></td>
<td>Doug Bilse</td>
<td>No</td>
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<tr>
<td>City of Chula Vista</td>
<td>Frank Rivera, Chair</td>
<td>Yes</td>
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<td></td>
<td>Dave Kaplan, First Alternate</td>
<td>No</td>
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<td>Bill Valle/Rick Hopkins, Second Alternate</td>
<td>No</td>
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<td>City of Coronado</td>
<td>Ed Walton</td>
<td>Yes</td>
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<td></td>
<td>Jim Newton, Alternate</td>
<td>No</td>
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<td>City of Del Mar</td>
<td>Tim Thiele</td>
<td>No</td>
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<td>Eric Minicilli, Alternate</td>
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<td>City of El Cajon</td>
<td>Mario Sanchez</td>
<td>Yes</td>
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<td>Majed Al-Ghafry, Alternate</td>
<td>No</td>
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<td>City of Encinitas</td>
<td>Edward Deane</td>
<td>Yes</td>
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<td>Kipp Hefner, Alternate</td>
<td>No</td>
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<td>City of Escondido</td>
<td>Julie Procopio</td>
<td>Yes</td>
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<td>Ed Domingue, Alternate</td>
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<td>City of Imperial Beach</td>
<td>Hank Levien</td>
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<td>Carmen Kasner, Alternate</td>
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<td>City of La Mesa</td>
<td>Greg Humora</td>
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<td>Kathy Feilen, First Alternate</td>
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<td>Dann Marquardt/Leon Firsht, Second Alternate</td>
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<td>City of Lemon Grove</td>
<td>Vacant</td>
<td>N/A</td>
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<td></td>
<td>Mike James</td>
<td>Yes</td>
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<td>City of National City</td>
<td>Stephen Manganiello</td>
<td>No</td>
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<td>Kuna Muthusamy, First Alternate</td>
<td>No</td>
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<td>Kenneth Fernandez, Second Alternate</td>
<td>No</td>
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<td>City of Oceanside</td>
<td>Gary Kellison</td>
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<td>David DiPierro</td>
<td>Yes</td>
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<td>City of Poway</td>
<td>John Collins</td>
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<td>Vacant, First Alternate</td>
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<td>Vacant, Second Alternate</td>
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<tr>
<td>City of San Diego</td>
<td>Linda Marabian</td>
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<td>City of San Diego</td>
<td>Brian Genovese, First Alternate</td>
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<td>City of San Diego</td>
<td>Abi Palaseyed, Second Alternate</td>
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<td>City of San Marcos</td>
<td>Nic Abboud</td>
<td>Yes</td>
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<td>City of San Marcos</td>
<td>Matt Little, Alternate</td>
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<td>City of Santee</td>
<td>Minjie Mei</td>
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<td>City of Santee</td>
<td>Vacant, Alternate</td>
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<tr>
<td>City of Solana Beach</td>
<td>Mohammad Sammak</td>
<td>Yes</td>
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<td>City of Solana Beach</td>
<td>Dan Goldberg, First Alternate</td>
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<td>City of Solana Beach</td>
<td>Jim Greenstein, Second Alternate</td>
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<td>City of Vista</td>
<td>Greg Mayer</td>
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<td>City of Vista</td>
<td>Tim Shell, First Alternate</td>
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<td>City of Vista</td>
<td>Husam Hasenin, Second Alternate</td>
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<tr>
<td>County of San Diego</td>
<td>Terry Rayback</td>
<td>No</td>
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<td>County of San Diego</td>
<td>Ramin Abidi, First Alternate</td>
<td>No</td>
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<td>County of San Diego</td>
<td>Sirous Daylamian, Second Alternate</td>
<td>No</td>
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<tr>
<td>Metropolitan Transit District</td>
<td>Mark Thomsen</td>
<td>No</td>
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<tr>
<td>North County Transit District</td>
<td>Johnny Dunning, Jr.</td>
<td>No</td>
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**ADVISORY MEMBERS LISTED BELOW (ATTENDANCE NOT COUNTED FOR QUORUM PURPOSES)**

| Caltrans | Melina Pereira | Yes |
| City of Poway | Joe Liim | No |
| City of San Diego | Hasan Yousif | Yes |
| City of San Diego | Yazmin Arellano | Yes |
| County of San Diego | Michael Long | Yes |

**OTHER ATTENDEES**

- Ellison Alegre
- Coleen Clementson
- Alex Estrella
- Carolina Ilic
- Ninad Prabhune
- Rob Rundle
- Michelle Smith
- Dawn Vettese

**SANDAG STAFF MEMBERS LISTED BELOW**
### Local Agency Street & Road Balances

**As of June 30, 2016**

*(in thousands)*

| Local Agency          | Cumulative (Actuals) Received through 06/30/16 | FY16 Estimated Allocation Balance net of D/S Costs | Cumulative Disbursed | At SANDAG | At Local Agencies | Cash Balances Total | Actual % spent (Cumulative) | Remaining Programming FY16 | Cumulative Estimated Balance available | Anticipated % to be spent at 6/30/16 (Cumulative) | Actual % Spent at 6/30/16 (Cumulative) |
|-----------------------|-----------------------------------------------|-------------------------------------------------|---------------------|-----------|------------------|---------------------|--------------------------|----------------------------------|------------------------------------------|------------------------------------------|
| City of Carlsbad      | $27,112                                       | $10,744                                         | 16,369              | $777     | $17,146          | 36.8%               | $4,020                   | $12,349                          | 51.6%                                     | 36.8%                                     |
| City of Chula Vista   | 42,161                                        | (30,445)                                       | 11,716              | 56       | 11,771           | 72.1%               | 11,420                   | 294                             | 99.2%                                     | 72.1%                                     |
| City of Coronado      | 4,877                                         | (3,785)                                        | 1,092               | 44       | 1,136            | 76.7%               | 598                      | 494                             | 89.0%                                     | 76.7%                                     |
| City of Del Mar      | 1,637                                         | (4,002)                                        | 9                   | 6        | 15               | 244.1%              | (1)                      | 10                              | **244.1%**                                | **244.1%**                                |
| City of El Cajon      | 18,501                                        | (15,749)                                       | 2,752               | 248      | 3,000            | 83.8%               | 1,905                    | 848                             | 94.1%                                     | 83.8%                                     |
| City of Encinitas     | 14,934                                        | (10,340)                                       | 4,594               | 184      | 4,779            | 68.0%               | 767                      | 3,828                           | 73.1%                                     | 68.0%                                     |
| City of Escondido     | 28,763                                        | (16,757)                                       | 12,006              | 2,343    | 14,349           | 50.1%               | 10,952                   | 1,054                           | 88.2%                                     | 50.1%                                     |
| City of Imperial Beach| 5,425                                         | (5,085)                                        | 340                 | 170      | 510              | 90.6%               | 344                      | (4)                             | 96.9%                                     | 90.6%                                     |
| City of La Mesa       | 13,784                                        | (13,536)                                       | 585                 | 360      | 945              | 95.6%               | 440                      | (151)                           | 98.8%                                     | 95.6%                                     |
| City of Lemon Grove   | 5,437                                         | (3,595)                                        | 1,842               | (541)    | 1,301            | 76.1%               | 1,280                    | 562                             | 99.6%                                     | 76.1%                                     |
| City of National City | 10,589                                        | (11,234)                                       | 429                 | 250      | 679              | 103.7%              | 161                      | 268                             | **105.3%**                                | **103.7%**                                |
| City of Oceanside     | 39,742                                        | (28,977)                                       | 10,765              | 523      | 11,289           | 71.6%               | 7,671                    | 3,094                           | 90.9%                                     | 71.6%                                     |
| City of Poway         | 11,526                                        | (11,123)                                       | 403                 | 486      | 889              | 92.3%               | 418                      | (15)                            | 95.9%                                     | 92.3%                                     |
| City of San Diego     | 241,527                                       | (203,595)                                      | 37,931              | 2,086    | 40,017           | 83.4%               | 35,854                   | 2,077                           | 98.3%                                     | 83.4%                                     |
| City of San Marcos    | 17,057                                        | (22,764)                                       | 7,301               | 96       | 7,397            | 132.9%              | 1,187                    | 6,113                           | 139.9%                                    | **132.9%**                                |
| City of Santee        | 10,923                                        | (17,774)                                       | 529                 | 124      | 653              | 161.6%              | 451                      | 77                              | **165.7%**                                | **161.6%**                                |
| City of Solana Beach  | 3,489                                         | (7,184)                                        | 543                 | (11)     | 533              | 206.2%              | 24                      | 520                             | **206.9%**                                | **206.2%**                                |
| City of Vista         | 18,996                                        | (16,052)                                       | 2,944               | (2,826)  | 118              | 99.4%               | (75)                     | 3,019                           | 99.0%                                     | 99.4%                                     |
| County of San Diego   | **115,035**                                   | -(107,523)                                     | **19,192**          | **1,297**| **20,489**      | **92.3%**            | **8,641**                 | **10,551**                      | **99.9%**                                 | **92.3%**                                 |

|               | **$631,513** | $ -   | **$540,265** | **$131,342** | $ 5,672 | **$137,015** | **$86,056** | $ 44,990 |

1. Amounts are unaudited
2. For participants in the SDCRTC Debt Program (bonds or commercial paper) amounts may include interest earned on the unspent proceeds (cash and investment balances) and bond proceeds.
3. Remaining biennial programmed amounts available for drawing during FY 2015 and FY 2016, less negative balances at local agencies. Revenues for FY 2016 were increased in February 2015 which increased programming capacity.
4. Disbursements include formula-based regular monthly payments to local agencies as requested and may include program costs, debt service payments and payments using debt proceeds.
5. Monitoring threshold. Bold amounts show estimated percentage spent in excess of available funds that may be due to debt proceeds disbursed and/or programming based on two years of allocations.
6. Results of this column (J) represent the balance remaining if estimated available funds for the fiscal year were spent according to how they have been programmed.
7. Results of this column (K) represent the percentage of actual sales tax spent cumulatively compared to actual cumulative sales tax revenue allocated. Allocations may include interest earnings and debt proceeds.
PROGRAMMING REPURPOSED EARMARK PROJECTS

File Number 1500000

Introduction

On July 15, 2016, the Transportation Committee approved recommendations to repurpose federal earmark funds that were at least ten years old and not obligated on currently active transportation projects. Under provisions of the Consolidated Appropriations Act of 2016, the Federal Highway Administration (FHWA) has until September 30, 2016, to approve projects for repurposing. Once approved, the new projects receiving repurposed funding will need to be programmed in the Regional Transportation Improvement Program (RTIP).

Discussion

Pursuant to guidance provided by the California Department of Transportation (Caltrans), SANDAG staff worked with project sponsors to complete fact sheets and submitted them to the District Local Assistance Engineer (DLAE) on August 1, 2016. The DLAE will review the fact sheets and submit the requests to the Division of Local Assistance in Caltrans headquarters. Caltrans headquarters will then prepare the required FHWA transfer agreements. Once FHWA approves the transfer agreements to place funding on the newly-identified projects, project sponsors can program the funds in the RTIP. A list of projects proposed for repurposing is included as Attachment 1.

The 2016 RTIP is scheduled to be adopted by the Board of Directors at its meeting on September 23, 2016. State approval is expected in November and federal approval of the 2016 RTIP is expected in December. The first opportunity to add repurposed project funds to the 2016 RTIP will be in Amendment No. 1, which opens for agency input on October 28, 2016, and is scheduled to be approved by the Transportation Committee at its January 13, 2017, meeting. State and federal approval are required for formal amendments and should be complete by the end of March 2017. The schedule of planned formal amendments for the 2016 RTIP is included as Attachment 2 and can also be found on the 2016 RTIP web page at sandag.org/2016 RTIP.

More information regarding the repurposing of federal earmark funds can be found at www.dot.ca.gov/hq/LocalPrograms/earmark/index.htm.

Attachments: 1. Repurposed Projects List 2. 2016 RTIP (Formal) Amendment Schedule

Key Staff Contact: Dawn Vettese, (619) 595-5346, dawn.vettese@sandag.org
**EARMARK PROJECTS**

**Attachment 1**

**Note:** Funding information is based on Caltrans best project information. It may change due to additional information and guidance from FTA.

<table>
<thead>
<tr>
<th>RFA</th>
<th>Sponsoring Agency</th>
<th>District</th>
<th>Demo ID</th>
<th>Federal/Project Numbers (ROD are active)</th>
<th>Legislation</th>
<th>Demo Description</th>
<th>Total QA Available</th>
<th>Obligated Amount as of 12/18/2015</th>
<th>Remaining QA Balance</th>
<th>RFA Recommended Repurpose? (Y/N)</th>
<th>Description and location of new or making project to receive repurposed funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>SANDAG</td>
<td>Carlsbad</td>
<td>11</td>
<td>CA366</td>
<td>Less than 10% Obligated</td>
<td>SAFETEA-LU</td>
<td>Carlsbad, CA Construction of Poinsettia Lane</td>
<td>$1,439,839.50</td>
<td>$0.00</td>
<td>$1,439,830.50</td>
<td>Y</td>
<td>El Camino Real Roadway Improvements in the City of Carlsbad</td>
</tr>
<tr>
<td>SANDAG</td>
<td>City of Chula Vista</td>
<td>11</td>
<td>CA395</td>
<td>Less than 10% Obligated</td>
<td>SAFETEA-LU</td>
<td>Develop bicycle paths and pedestrian access to Third Avenue, Chula Vista</td>
<td>$245,753.83</td>
<td>$153,022.83</td>
<td>$94,531.01</td>
<td>Y</td>
<td>Palm Street Grade Separation in Chula Vista</td>
</tr>
<tr>
<td>SANDAG</td>
<td>City of San Diego</td>
<td>11</td>
<td>CA794</td>
<td>5004(160), 5004(181)</td>
<td>SAFETEA-LU</td>
<td>Construct landscape medians along Skyline Drive from Sears Avenue to 36th Street, San Diego</td>
<td>$719,920.75</td>
<td>$490,680.91</td>
<td>$229,239.84</td>
<td>Y</td>
<td>SR163/Friars Road Interchange in City of San Diego</td>
</tr>
<tr>
<td>SANDAG</td>
<td>City of San Diego</td>
<td>11</td>
<td>CA701</td>
<td>5004(159)</td>
<td>SAFETEA-LU</td>
<td>Park Boulevard-Harbor Drive Rail Grade Separation, San Diego</td>
<td>$1,799,811.88</td>
<td>$1,248,340.89</td>
<td>$551,471.00</td>
<td>N</td>
<td>SR163/Friars Road Interchange in City of San Diego</td>
</tr>
<tr>
<td>SANDAG</td>
<td>City of San Diego</td>
<td>11</td>
<td>CA773</td>
<td>5004(174)</td>
<td>SAFETEA-LU</td>
<td>2006 SEC 112 I-5 Sorrento Valley/Genesee Avenue, San Diego, CA</td>
<td>$904,000.00</td>
<td>$507,018.64</td>
<td>$396,981.36</td>
<td>N</td>
<td>SR163/Friars Road Interchange in City of San Diego</td>
</tr>
<tr>
<td>SANDAG</td>
<td>City of San Diego</td>
<td>11</td>
<td>CA675</td>
<td>Less than 10% Obligated</td>
<td>SAFETEA-LU</td>
<td>Construct traffic circle in San Ysidro at the intersection of Via de San Ysidro and West San Ysidro Boulevard, San Diego</td>
<td>$215,793.85</td>
<td>$0.00</td>
<td>$215,793.85</td>
<td>Y</td>
<td>SR163/Friars Road Interchange in City of San Diego</td>
</tr>
<tr>
<td>SANDAG</td>
<td>City of San Diego/SANDAG</td>
<td>11</td>
<td>CA256</td>
<td>DEMUSL-500K[149]</td>
<td>2004 AAA</td>
<td>INTERSTATE 5-SORENTO VALLEY ROAD AND GENESSEE AVENUE INTERCHANGE PROJECTS</td>
<td>$343,737.50</td>
<td>$0.00</td>
<td>$343,737.50</td>
<td>Y</td>
<td>SR163/Friars Road Interchange in City of San Diego</td>
</tr>
<tr>
<td>SANDAG</td>
<td>City of San Diego</td>
<td>11</td>
<td>CA540</td>
<td>5004(175)</td>
<td>SAFETEA-LU</td>
<td>Park Boulevard-Harbor Drive Rail Grade Separation, San Diego</td>
<td>$910,817.30</td>
<td>$382,155.99</td>
<td>$528,661.30</td>
<td>N</td>
<td>SR163/Friars Road Interchange in City of San Diego</td>
</tr>
<tr>
<td>SANDAG</td>
<td>Coronado</td>
<td>11</td>
<td>CA937</td>
<td>5004(015)</td>
<td>SAFETEA-LU</td>
<td>Planning, design, engineering, and construction of Naval Air Station, North Island access tunnel on SR 75-282 corridor, San Diego</td>
<td>$5,599,586.76</td>
<td>$3,561,328.96</td>
<td>$2,038,257.80</td>
<td>Y</td>
<td>Operational Improvements in the City of Coronado</td>
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<tr>
<td>SANDAG</td>
<td>Coronado</td>
<td>11</td>
<td>CA731</td>
<td>5004(014)</td>
<td>SAFETEA-LU</td>
<td>Planning, design, and construction of Naval Air Station, North Island access tunnel on SR 75-282 corridor, San Diego</td>
<td>$4,499,095.20</td>
<td>$3,565,797.99</td>
<td>$933,297.21</td>
<td>Y</td>
<td>Operational Improvements in the City of Coronado</td>
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<tr>
<td>SANDAG</td>
<td>County of San Diego</td>
<td>11</td>
<td>CA475</td>
<td>9PLU-5957[087]</td>
<td>SAFETEA-LU</td>
<td>PROJECT DESIGN, ENVIRONMENTAL ASSESSMENT, AND ROADWAY CONSTRUCTION OF LONESTAR ROAD FROM ALTA ROAD TO ENRIQUE FERMIN DRIVE SAN DIEGO COUNTY</td>
<td>$939,985.38</td>
<td>$155,002.38</td>
<td>$784,983.00</td>
<td>N</td>
<td>Bradley Avenue Improvements including adjacent ramps and roads west of Magnolia Avenue to east of Moklon Avenue</td>
</tr>
<tr>
<td>SANDAG</td>
<td>County of San Diego/Highway 94 Club</td>
<td>11</td>
<td>CA479</td>
<td>Less than 10% Obligated</td>
<td>SAFETEA-LU</td>
<td>Resurface and construct Truck Lane at CA HWY 94 and I-8 Interchange Reworked</td>
<td>Operational and Highway Safety Improvements on HWY 94 between the 26 mile marker post on Jamul and HWY 18 in Tecate (Change per H.R. 1195-6/6/08)</td>
<td>$2,109,760.26</td>
<td>$0.00</td>
<td>$2,109,760.26</td>
<td>Y</td>
</tr>
<tr>
<td>SANDAG</td>
<td>National City</td>
<td>11</td>
<td>CA444</td>
<td>Less than 10% Obligated</td>
<td>SAFETEA-LU</td>
<td>Construct sound barriers at the I-805/SR 54 Interchange, National City</td>
<td>$661,931.34</td>
<td>$0.00</td>
<td>$661,931.34</td>
<td>Y</td>
<td>Roadway Rehabilitation in City of National City</td>
</tr>
<tr>
<td>SANDAG</td>
<td>Port of San Diego</td>
<td>11</td>
<td>CA560</td>
<td>6211[076], 6211[086], 6211[112]</td>
<td>SAFETEA-LU</td>
<td>Construct truck ramp linking Interstate 5 to the National City Marine Cargo Terminal, National City</td>
<td>$2,190,760.30</td>
<td>$1,780,058.38</td>
<td>$410,701.92</td>
<td>Y</td>
<td>Harbor Drive Multimodal Corridor Study in San Diego and National City</td>
</tr>
<tr>
<td>SANDAG</td>
<td>SANDAG</td>
<td>11</td>
<td>CA680</td>
<td>6066[068], 6066[112]</td>
<td>SAFETEA-LU/SAFETEA-LU REG-OA</td>
<td>Conduct preliminary engineering and design analysis for a dedicated intermodal right-of-way link between San Diego and the proposed Regional International Airport in Imperial Valley and the study of alternatives along the North South Corridor, including a feasibility study and cost benefit analysis evaluating the comparative options of dedicated highway or highway lanes, Maglev and conventional high speed rail or any combination thereof (Change per H.R. 1195-6/6/08)</td>
<td>$801,178.75</td>
<td>$799,999.96</td>
<td>$1,178.79</td>
<td>Y</td>
<td>Airport Connection Pedestrian Improvements in City of San Diego</td>
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<tr>
<td>SANDAG</td>
<td>SANDAG</td>
<td>11</td>
<td>CA176</td>
<td>6066[031]</td>
<td>SAFETEA-LU/SAFETEA-LU REG-OA</td>
<td>Extend State Route 52 in San Diego</td>
<td>$2,306,474.00</td>
<td>$2,233,684.11</td>
<td>$72,789.89</td>
<td>Y</td>
<td>Airport Connection Pedestrian Improvements in City of San Diego</td>
</tr>
<tr>
<td>SANDAG</td>
<td>SANDAG</td>
<td>11</td>
<td>CA424</td>
<td>6211[076]</td>
<td>SAFETEA-LU/SAFETEA-LU REG-OA</td>
<td>Improvements to State Route 67/State Route 52 interchange</td>
<td>$4,005,890.00</td>
<td>$4,000,000.00</td>
<td>$5,890.00</td>
<td>Y</td>
<td>Airport Connection Pedestrian Improvements in City of San Diego</td>
</tr>
<tr>
<td>SANDAG</td>
<td>SANDAG</td>
<td>11</td>
<td>CA651</td>
<td>Less than 10% Obligated</td>
<td>SAFETEA-LU</td>
<td>Construct parking facility and improve museum pedestrian access from trolley station, San Diego</td>
<td>$719,920.75</td>
<td>$0.00</td>
<td>$719,920.75</td>
<td>Y</td>
<td>Airport Connection Pedestrian Improvements in City of San Diego</td>
</tr>
<tr>
<td>SANDAG</td>
<td>SANDAG</td>
<td>11</td>
<td>CA676</td>
<td>Less than 10% Obligated</td>
<td>SAFETEA-LU</td>
<td>Construct and resurface unplanned roads in the Children’s Village Ranch and improve access from Children’s Village Ranch to Lake Moreno Drive, San Diego County</td>
<td>$719,920.75</td>
<td>$0.00</td>
<td>$719,920.75</td>
<td>Y</td>
<td>I-5 North Coast Corridor in San Diego County in Solana Beach from Lomas Santa Fe UC to SR-7B interconnecting in Oceanside (2499, 798, 843)</td>
</tr>
</tbody>
</table>
## 2016 RTIP (Formal) Amendment Schedule

<table>
<thead>
<tr>
<th>Items</th>
<th>Responsible Agency</th>
<th>Due Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>SANDAG issues 15-day public notice</td>
<td>SANDAG/ members of the public</td>
<td>12/16/16 3/24/17 6/16/17 9/15/17 12/15/17 3/16/18 6/15/18 9/14/18</td>
</tr>
<tr>
<td>Public Comment period ends</td>
<td>SANDAG</td>
<td>1/6/17 4/14/17 7/7/17 10/6/17 1/5/18 4/6/18 7/6/18 10/5/18</td>
</tr>
<tr>
<td>Transportation Committee Meeting</td>
<td>SANDAG</td>
<td>1/13/17 4/21/17 7/21/17 10/20/17 1/19/18 4/20/18 7/20/18 10/19/18</td>
</tr>
</tbody>
</table>

*Agencies can request SANDAG to review project submittals any time after project input date but not before the notice issuance date

**All Amendments, including Administration Modifications, are considered approved only after Board ratifies the actions of the Transportation Committee
Introduction

The SANDAG Energy Roadmap Program (Roadmap Program) was extended with additional funding for calendar years 2016-2020 through a Local Government Partnership (LGP) with San Diego Gas & Electric (SDG&E). The SANDAG Regional Energy Strategy Technical Update (2014) and San Diego Forward: The Regional Plan (2015) provide direction for the five-year program cycle. This report highlights the resources available through the Roadmap Program for implementation and climate planning support.

Background

Since 2010, the Roadmap Program has provided member agencies with no-cost energy assessments and energy management plans, or “Energy Roadmaps.” Each Energy Roadmap provides a framework, unique to each local government, to reduce energy use in municipal operations and in the community. The Roadmap Program is primarily funded through a LGP with SDG&E. The cities of Chula Vista and San Diego, County of San Diego, and Port of San Diego have their own LGPs with SDG&E. The Roadmap Program was established to provide resources to the remaining 16 local governments without direct LGPs. The transportation components of the Energy Roadmaps were prepared leveraging non-LGP SANDAG program dollars. All 16 Energy Roadmaps are available online at sandag.org/energyroadmap.

Discussion

The Roadmap Program leverages the unique role SANDAG plays as the regional planning agency to facilitate the reduction of energy use and greenhouse gas (GHG) emissions for our member agencies and our own activities through resources and technical energy and climate planning support.

Energy Roadmap Implementation

Energy engineering and project management support to achieve actual energy efficiency (EE) savings at municipal sites remains a primary program objective for the Roadmap Program. SANDAG will continue and expand the energy engineering services available to roadmap cities including:

- Project analysis and recommendations/feasibility studies for EE, Integrated Distributed Energy Resources, and Zero Net Energy
• Project management support for EE retrofits
  o Development of product/technology specifications
  o Support for contractor procurement
  o Completion and submittal of financing requirements
• EnergyStar certification of facilities
• Performance monitoring at site level, for all sites within a municipality, program-wide

**Climate Planning Support**

Local climate action plan (CAP) development, implementation, and monitoring have become high priorities for many of the SANDAG member agencies. As such, the Roadmap Program has expanded its offering to include climate planning support. In order to complement what is available through the Roadmap Program, SANDAG is leveraging non-LGP funds to support non-EE aspects of climate planning. SANDAG will continue to seek additional funding to ensure the most comprehensive climate planning services are delivered. Available projects include those listed below and will be prepared for all jurisdictions, region-wide, at regular intervals.

• Local and regional GHG emissions inventories
• GHG emissions forecasts to the year 2020, as well as later dates
• Analysis of potential GHG emission reduction measures
• CAP monitoring reports

**Collaborations**

**Subregional Coordination**

As a means to support consistent Energy Roadmap implementation, subregional networks for member agencies have been established to facilitate staff level, peer-to-peer networks and to share information and support for local sustainability efforts.

• **South Bay Energy Action Collaborative (SoBEAC):** Established in 2013 by the City of Chula Vista, comprises the cities of Coronado, Imperial Beach, and National City. SANDAG is a SoBEAC participant and provides support to the City of Chula Vista when needed.

• **North Coast Energy Action Collaborative (NCEAC):** SANDAG launched NCEAC in 2015 with the five North County coastal cities of Carlsbad, Del Mar, Encinitas, Oceanside, and Solana Beach.

• **Inland Cities Energy Collaborative (InC):** SANDAG formed InC in 2016 with the cities of Poway, San Marcos, Escondido, and Vista.

SANDAG plans to establish an East County subregional collaborative in early 2017 with the cities of El Cajon, La Mesa, Lemon Grove, and Santee.
Regional Efforts

The San Diego Regional Energy Partnership (SDREP) was established in 2013 and is a collaboration among SDG&E and the five LGPs: City of Chula Vista, City of San Diego, County of San Diego, Port of San Diego, and SANDAG. It continues to fund a variety of EE projects ranging from trainings on home energy retrofits to local government best practice guides. For more information, visit the Center for Sustainable Energy webpage: http://energycenter.org/programs/san-diego-regional-energy-partnership.

Through SDREP, the five LGPs along with SDG&E, The San Diego Foundation, and University of San Diego established the San Diego Regional Climate Collaborative (Climate Collaborative). The Climate Collaborative, which has grown to 23 members, is a network for public agencies that serve the San Diego region to share expertise, leverage resources, and advance comprehensive solutions to facilitate climate change planning. More information is available at: www.sdclimatecollaborative.org.

Next Steps

SANDAG is currently in contract negotiations with the selected Roadmap Program consultants. Once finalized, SANDAG will begin executing task orders for both energy engineering and climate planning services to interested Energy Roadmap Program participants. In the interim, SANDAG staff members currently provide support to the Roadmap cities through subregional coordination meetings, sharing SDREP program opportunities, and compiling information about their needs to be addressed upon contract execution.

Key Staff Contacts: Anna Lowe, (619) 595-5603, anna.lowe@sandag.org
Katie Hentrich, (619) 595-5609, katie.hentrich@sandag.org
Introduction

SANDAG and the Imperial County Transportation Commission (ICTC) have been working together to develop a Regional Mobility Hub Implementation Strategy. Mobility hubs are places of connectivity where different modes of transportation - walking, biking, ridesharing, and public transit - come together seamlessly, and where there is a concentration of employment, housing, shopping, and/or recreation. In addition to serving as places to arrive, depart, and wait for transit, mobility hubs have the potential to become vibrant places of activity and destinations in themselves. The mobility hub concept is part of the Preferred Revenue Constrained Transportation Scenario for San Diego Forward: The Regional Plan (Regional Plan). Mobility hubs are one of many concepts introduced in the Regional Plan that aim to reduce single-occupancy vehicle use and greenhouse gas emissions. Staff will present an update on the project.

Background

A state transportation planning grant was awarded to SANDAG under the Emerging Priorities Program of the State Highway Account to develop a San Diego County and Imperial Valley Regional Mobility Hub Implementation Strategy. This project is being led by SANDAG in conjunction with the ICTC.

Mobility hubs feature a wide range of transportation choices including: bikeshare, carshare, neighborhood electric vehicles, bike parking, dynamic parking management strategies, real-time traveler information, real-time ridesharing, demand-based shuttle or jitney services, bicycle and pedestrian improvements, wayfinding, urban design enhancements, and supporting systems like mobile applications, electric vehicle charging, smart intersections, and a universal payment system to make it easy to access a wide range of travel options. Mobility choices allow for decreased dependence on single-occupancy vehicles, allowing for reduced traffic congestion and vehicle miles traveled, in addition to improved travel times for all modes.

Staff is working to produce two primary products – a Mobility Hub Design Elements Catalog, and a set of design prototypes to illustrate how mobility hubs can be developed in a variety of different place types. One round of online public outreach also has been conducted to date.
Discussion

Design Elements Catalog

A catalog of mobility hub features, amenities, and implementation considerations is being prepared to describe the wide range of elements that can contribute a mobility hub, from transit improvements, to pedestrian and bicycle amenities, to emerging technologies and motorized transportation amenities and services, including those that are provided by private entities. The transit, pedestrian, and bicycle improvements draw upon decades worth of good urban design practices, while the technology and motorized entries address more recent elements such as electric vehicle charging, shared mobility services, smart parking, and integrated fare payment. Where appropriate, the catalog discusses space and utility needs for each element. The catalog will serve as a valuable resource for member agencies, transit operators, and private service providers as they work together to design and implement mobility hubs in their communities. The catalog is currently undergoing revision and a draft should be completed within the next month.

Design Prototypes

Conceptual designs are being developed for eight prototype sites in San Diego County to illustrate how the mobility hub concept could be applied to different place types across the region. The place types were chosen in an effort to be representative of different landforms (urban and suburban), land use types (housing and employment), and transit service types (Trolley, SPRINTER, COASTER, Rapid, and high-volume bus routes) while allowing for geographic dispersion. The sites all meet basic criteria for density and transit service, and all were identified during the first public outreach phase as being suitable locations. The eight locations are:

- Oceanside Transit Center
- Vista Transit Center
- Sorrento Valley COASTER/Amtrak station
- State Route 15 at University Avenue (City Heights)
- Grossmont Transit Center
- 8th Street Trolley Station (National City)
- Otay Ranch Town Center

The prototype designs will depict existing and planned transit service, pedestrian improvements, and bicycle infrastructure, and will layer potential technology and motorized improvements on top. These designs may inform deployment of potential pilot projects to demonstrate how mobility hub concepts can be realized.

Public Outreach

Public outreach is an important component of this effort. The first phase involved a virtual event in which participants were invited to review project information and participate via interactive mapping exercise and opinion surveys. We gained valuable input regarding the preferred locations for mobility hubs and their amenities. A second round of public outreach will be conducted this fall
to solicit input on the draft mobility hub prototype designs, as well as one or two pop-up outreach events at specific prototype sites.

**Next Steps**

Based on the input received from the Cities/County Transportation Advisory Committee, the Regional Planning Technical Working Group, and the second round of outreach, staff will refine the Design Elements Catalog and Design Prototypes and post draft deliverables online near the end of this year.

Key Staff Contacts:  
Miriam Kirshner, (619) 699-6995, miriam.kishner@sandag.org  
Marisa Mangan, (619) 595-5614, marisa.mangan@sandag.org
Introduction

SANDAG is in the process of developing the Series 14 Regional Growth Forecast, which will provide population, housing, and employment projections for the San Diego region from 2016 to 2050. The forecast will use two models – the Demographic and Economic Forecasting Model (DEFM) at the regional level, and the UrbanSim model to allocate growth at the sub-regional level (jurisdictions, community plan areas, and other geographies). The UrbanSim model draws heavily from local zoning information, including setbacks, floor area ratios, conditional uses, and other information. These land use models will be paired with a transportation model known as the Activity Based Model (ABM). The draft Series 14 Regional Growth Forecast is expected to be available for local jurisdiction review next spring.

Similar to prior forecasts, SANDAG has developed an online review tool to facilitate collaborative work with local jurisdictions to review zoning and land use assumptions related to the forecast. This report provides background on the use of local zoning information in the Series 14 forecast and an overview of the anticipated next steps related to local jurisdiction feedback.

Discussion

Zoning in the Series 14 Regional Growth Forecast

SANDAG currently is updating zoning and other land use data for the Series 14 Regional Growth Forecast. Over the past several months, SANDAG has reviewed every zoning ordinance in the region, and has received updated zoning geographies from each jurisdiction. SANDAG is collecting and reviewing information on allowed uses, setbacks, building bulk, and densities. Much of the original zoning information is based on the data gathered during the preparation of the Series 13 Regional Growth Forecast.

The SANDAG sub-regional allocation model, UrbanSim, uses zoning to calculate the possible bulk of buildings allowed on each parcel. This information is used to determine the financial feasibility of new development projects and estimate short- and long-term housing, employment, and population capacity on individual parcels in the San Diego region. In all cases, SANDAG allows for overrides where traditional zoning alone may not appropriately reflect the development constraints of parcels, such as historic designations, public uses, or other constraints.
Data Review Process and Expert Review Panel

SANDAG staff will begin to contact each jurisdiction to review the zoning and land use data collected to date. SANDAG has developed an online review tool to provide local jurisdictions with a mechanism to review the data to assess local general plan capacity based on the updated zoning information, and to identify and/or verify sites with additional development capacity that will be incorporated into the sub-regional model. Over the next several weeks, SANDAG staff will provide instructions to each jurisdiction to log on and review their local zoning and land use input data.

SANDAG also will reach out to other entities in the region with land use authority (e.g., Port of San Diego, public universities, sovereign tribal areas, military facilities) to collect data on land use, employment, housing, and population.

Finally, SANDAG is working on setting up an expert review panel for this fall. This panel will review methods and assumptions of the regional and sub-regional models and offer feedback based on their expertise and knowledge. SANDAG has already reached out to several Regional Planning Technical Working Group (TWG) members that have participated in previous forecast expert review panels. Other TWG or Cities/County Transportation Advisory Committee members that would like to participate are encouraged to contact SANDAG staff.

Next Steps

SANDAG staff anticipates providing the results of the draft region-wide Demographic and Economic Forecast model in October, followed by the draft sub-regional allocations and draft Series 14 Regional Growth Forecast next spring.

Key Staff Contact: Rachel Cortes, (619) 699-0726, rachel.cortes@sandag.org
Background

- Local Government Partnership with SDG&E
- Started in 2010
- Provide resources to Local Governments
  - Voluntary
  - No-cost energy assessments and energy management plans
  - Project support and training opportunities
Energy Roadmap Program Update

- SANDAG Policy Direction
- Roadmap Program Extended from 2016-2020
- Energy Engineering Support: Continued and Expanded
- Climate Planning Support: New

Energy Engineering Support

- Energy Audits
- Project Implementation
- Project Management
- Performance Monitoring
- Training
- Feasibility Studies
Climate Planning Support

- GHG Emissions Inventories
- GHG Emissions Forecasts
- CAP Assistance
- CAP Monitoring Reports
- Regional CAP Framework
- Trainings

Collaborations

- Subregional
  - North County Inland EAC (Logo in process)
  - East County EAC (2017)

- Regional
Next Steps

1) City Needs Request
2) SANDAG/City SOW Meeting
3) Task Order Development
4) Task Order Execution
5) Project Management & Completion

Contact Information

- Anna Lowe
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Regional Mobility Hub Implementation Strategy

Transit Investment, Supporting Land Use, Improved Roads
Bike and Pedestrian Improvements

Shared Mobility Services and EV/ITS Elements
Suite of Multimodal Travel Options
This project is developing a Regional Mobility Hub Implementation Strategy for San Diego and Imperial counties.

The strategy will develop:
- **conceptual designs** for different mobility hub place types
- a **robust catalog** of services and amenities.
Mobility Hubs in the Regional Plan

- Commitment to develop a Regional Mobility Hub Implementation Strategy
- 20 mobility hub opportunity areas
- $258 million investment
- Trolley, SPRINTER, COASTER, and Rapid services are candidates for investment
- Pilot projects at new and existing transit stations

Regional Mobility Hub Implementation Strategy Overview

- 2014-15 Emerging Priorities Grant Program (Caltrans)
- Strategy to assist San Diego and Imperial Counties
- San Diego region to leverage Smart Growth Concept Map and Regional TOD Strategy
- Multidisciplinary project development team
Public Outreach - Part 1

• Online interactive exercise
• Rank hub selection criteria
• Select hub amenities
• Pin preferred hub locations

Mobility Hub Prototype Sites

• Oceanside Transit Center
• Vista Transit Center
• Sorrento Valley COASTER Station
• SR-15 at University Avenue
• Barrio Logan Trolley Station
• Grossmont Transit Center
• 8th Street Trolley Station
• Otay Ranch Town Center
Mobility Hub Prototypes

- Smart Growth Opportunity Areas
- Transportation Infrastructure
  - High-frequency transit service
  - Miles of active transportation facilities
- Land use elements
  - Employment density
  - Residential density
- Other factors
  - Transit ridership
  - Demographic factors
  - Geographic dispersion

Mobility Hub Conceptual Designs

Source: First Last Mile Strategic Plan
Mobility Hub Conceptual Designs

- Metro Station Portal and Plaza
- Signage with Real-Time Transit Information
- Medallion Signage and Curb-Edge Banding
- Colored Scramble Crossings
- Advisory Bike Lane (see Rolling Lane)
- Green Zone and Kiss-and-Ride
- Bike Share/Bike Station
- Bulb-Outs at Intersections
- Traffic Calming
- Enhanced Bus Facilities
- Sidewalk Widening

Source: First Last Mile Strategic Plan
Mobility Hub Conceptual Designs

Design Element Catalog

Source: First Last Mile Strategic Plan
Design Element Catalog

02 WALK ZONE

- Improved pedestrian paths
- Improved crossings

03 BIKE ZONE

- Bike storage
- Bikeshare
- Improved bike facilities

Design Element Catalog

04 MOTORIZED ZONE

- Connected/autonomous vehicles
- Transit signal priority
- Dedicated transit lanes
- Neighborhood electric vehicle (NEV) road network
- Smart parking
- Park-and-ride
- Electric vehicle charging
- Carshare
- Scootershare
- Shuttle service
Design Element Catalog

Next Steps

- Public outreach (Part 2)
- Review draft designs with local agency staff
- Social equity analysis
- Regional hub network analysis
- Post catalog and conceptual designs online
For more information:
www.sdforward.com/mobilityhubs

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Village, Barrio & Beach Area Parking Study

Regional Planning Technical Working Group (TWG) and Cities/County Transportation Advisory Committee (CTAC)

September 8, 2016

David de Cordova, City of Carlsbad
Cheryl Mason, SANDAG Service Bureau

Today’s Agenda

• Background and Goals
• Organizational Structure
• Key Components of Study
• Outreach and Data Collection and Analysis
• Next Steps
Background

- Inform the Village and Barrio Master Plan
- Community Parking Concerns and Issues

Goals

- Make parking more convenient for community members and visitors
- More efficiently use existing parking
- Support future parking needs
- Explore options for walkers, bicyclists and people who use public transportation
- Support the vision outlined in the Village and Barrio Master Plan
**Organizational Structure: MOU Roles and Responsibilities**

- **Carlsbad**
  - Serve as Project Manager—Pam Drew
  - Provide oversight and direction for the Study
- **SANDAG Service Bureau**
  - Serve as Contract Manager—Antoinette Meier and Cheryl Mason
  - Administer consultant services

**Key Components of Study**

- Data Collection and Analysis
- Parking Demand Model Development
- Community Engagement
- Program Evaluation
- Parking Management Plan
Outreach & Data Collection

- May – August 2016
  - On-site Survey
  - Online Survey
  - Parking Occupancy Data Collection
- August 2016
  - Community Meeting #1
- September 2016
  - Planning Commission Meeting

Outreach

- E-newsletter, website and social media
- Community group meetings
- In-person visits to various businesses
- City Traffic Safety Commission Meeting
- Beach Preservation Committee Meeting
Surveys

• On-site Survey:
  • Purpose: Identify parking behaviors on typical weekdays and weekends within the study area
  • On-site surveys were conducted; 8 locations:
    • May: 1,282 participants
    • June: 857 participants

• Online survey
  • Purpose of the survey was to identify a participant’s typical parking behaviors and thoughts on improving the parking system
  • Gain perspectives from residents, business owners, employees, and visitors (638 surveys as of July 19)

Parking Data Collection

• Occupancy data collected to determine weekday and weekend parking demands
  • Thursday, May 19 and Saturday, May 21
  • Thursday, July 14 and Saturday, July 16
• May: 6 a.m. – 9 p.m.
• July: 6 a.m. – 11:30 p.m.
• On-street and off-street facilities
July Parking Data Collection

- Average Parking Occupancies (All Facilities)
  - Weekday Peak Parking Occupancy: 53% (7 p.m.)
  - Weekend Peak Parking Occupancy: 54% (7 p.m.)

- Public Parking Only – Peak Parking Occupancy
  - Weekday: 49% at 7 p.m.
  - Weekend: 57% at 1 p.m.

July Weekend Peak Occupancy
July Weekend Peak Occupancy (Village)

July Weekend Peak Occupancy (Beach Area)
July Weekend Peak Occupancy (Barrio)

Parking Data Collection

- On average, 63% of users park on the street for 2 hours or less throughout the study area
Selected Key Findings

• Most people parking are able to find available parking quickly and near their destination; common perception remains that available parking is difficult to find close to destinations.

• Parking is generally available, parking at the beach and commercial areas are nearly at capacity during periods of high demand.

• Majority of business owners indicated that they do not provide parking for their employees; 64% of employees noted that they park directly in front of or adjacent to where they work.

• Majority of off street parking is privately owned and operated.

More Information

• [http://www.carlsbadca.gov](http://www.carlsbadca.gov)
  Search for “parking”
  – Background information
  – Presentation from Carlsbad community meeting
  – Draft report from Sept. 7 Planning Commission public hearing
Next Steps

• Fall/Winter 2016
  • Model future parking scenarios based on community input and collected data
• Early 2017
  • Draft parking management plan available for public review
  • Community meeting #2
• Spring 2017
  • Incorporate community feedback on recommendations
  • Finalize parking management plan
  • Present parking plan to Planning Commission and City Council for review and comment

Questions?
Village, Barrio & Beach Area Parking Study

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Cheryl Mason, SANDAG Service Bureau
Figure 22: July Weekend Peak Parking Occupancy (7 p.m.)
The Sustainable Transportation Planning Grant Program was created to support the California Department of Transportation's (Caltrans') Mission to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability.

Caltrans provides these grants to promote a balanced, comprehensive, multimodal transportation system that encourages sustainability and addresses local, regional, and interregional transportation needs and issues.

The 2017-2018 Transportation Planning Grant application package is accessible on the Caltrans Division of Transportation Planning's website at: [www.dot.ca.gov/hq/tpp/grants.html](http://www.dot.ca.gov/hq/tpp/grants.html)

Email completed Strategic Partnership and Sustainable Communities grant applications to: Regional.Planning.Grants@dot.ca.gov with a cc to Barby.Valentine@dot.ca.gov

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Priority will be given to projects that address both greenhouse gas emission reductions and meet the Grant Specific Objectives outlined on pages 13-14 of the FY 2017-2018 Grant Application Guide.

For questions regarding the Strategic Partnership and Sustainable Communities grants, contact Barby Valentine by phone at (619) 688-6003 or by email at Barby.Valentine@dot.ca.gov.
SAN DIEGO FOOD SYSTEM ALLIANCE PRESENTS...

FOOD WASTE SOLUTION SUMMIT II

SEPTEMBER 27, 2016
NOON - 6:30PM
JACOBS CENTER

Buy Tickets: sdfsa.org/foodwastesolutionsummit2

For businesses + institutions:
Pre-Summit Unwasted Food workshop from 8:30am-12pm