BORDERS COMMITTEE
AGENDA

Friday, September 22, 2017
12:30 to 2:30 p.m.
SANDAG Board Room
401 B Street, 7th Floor
San Diego

AGENDA HIGHLIGHTS

- SAN DIEGO AND WESTERN RIVERSIDE INTERREGIONAL PARK & RIDE STRATEGY
- SAN YSIDRO AIR QUALITY STUDY

PLEASE SILENCE ALL ELECTRONIC DEVICES DURING THE MEETING
YOU CAN LISTEN TO THE BORDERS COMMITTEE MEETING BY VISITING OUR WEBSITE AT SANDAG.ORG

MISSION STATEMENT

The Borders Committee provides oversight for planning activities that impact the borders of the San Diego region (Orange, Riverside and Imperial Counties, and the Republic of Mexico) as well as government-to-government relations with tribal nations in San Diego County. The preparation and implementation of SANDAG's Binational, Interregional, and Tribal Liaison Planning programs are included under this purview. It advises the SANDAG Board of Directors on major interregional planning policy-level matters. Recommendations of the Committee are forwarded to the Board of Directors for action.

San Diego Association of Governments · 401 B Street, Suite 800, San Diego, CA 92101-4231
(619) 699-1900 · Fax (619) 699-1905 · sandag.org
Welcome to SANDAG. Members of the public may speak to the Borders Committee (Committee) on any item at the time the Committee is considering the item. Please complete a Request to Comment form, which is located in the rear of the room, and then present the form to the Committee Clerk seated at the front table. Members of the public may address the Committee on any issue under the agenda item entitled Public Comments/Communications/Member Comments. Public speakers are limited to three minutes or less per person. The Committee 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 Committee meeting. Any handouts, presentations, or other materials from the public intended for distribution at the Committee meeting should be received by the Committee Clerk 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 either at the SANDAG website or by sending an email request to webmaster@sandag.org.

SANDAG operates its programs without regard to race, color, and national origin in compliance with Title VI of the Civil Rights Act. SANDAG has developed procedures for investigating and tracking Title VI complaints, and the procedures for filing a complaint are available to the public upon request. Questions concerning SANDAG nondiscrimination obligations or complaint procedures should be directed to the SANDAG General Counsel, John Kirk, at (619) 699-1997 or john.kirk@sandag.org. Any person who believes himself or herself or any specific class of persons to be subjected to discrimination prohibited by Title VI also may file a written complaint with the Federal Transit Administration.

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 or (619) 699-1904 (TTY), or fax (619) 699-1905.

SANDAG agenda materials can be made available in alternative languages. To make a request, call (619) 699-1900 at least 72 hours in advance of the meeting.

Los materiales de la agenda de SANDAG están disponibles en otros idiomas. Para hacer una solicitud, llame al (619) 699-1900 al menos 72 horas antes de la reunión.

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。

SANDAG offices are accessible by public transit. Phone 511 or visit 511sd.com for route information. Bicycle parking is available in the parking garage of the SANDAG offices.
+1. **APPROVAL OF MEETING MINUTES**

The Borders Committee is asked to review and approve the minutes from its July 28, 2017, meeting.

2. **PUBLIC COMMENTS/COMMUNICATIONS/MEMBER COMMENTS**

Members of the public shall have the opportunity to address the Borders Committee on any issue within the jurisdiction of the Committee 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 Borders Committee coordinator prior to speaking. Public speakers should notify the Borders Committee coordinator if they have a handout for distribution to Committee members. Public speakers are limited to three minutes or less per person. Committee members also may provide information and announcements under this agenda item.

**REPORTS**

3. **REPORT FROM THE CONSUL GENERAL OF MEXICO**

Hon. Marcela Celorio, Consul General of Mexico in San Diego, will report on binational activities within the purview of the Borders Committee.

+4. **SAN DIEGO AND WESTERN RIVERSIDE INTERREGIONAL PARK & RIDE STRATEGY** (April Petonak; Brian Cunanan, Riverside County Transportation Commission)

Staff from SANDAG and the Riverside County Transportation Commission will present the approach and projected outcomes of the joint study to develop management strategies for current and future Park & Ride facilities.

5. **SAN YSIDRO AIR QUALITY STUDY**

(Penelope “Jenny” Quintana, San Diego State University)

Jenny Quintana, San Diego State University, will provide an update on the development of the San Ysidro Air Quality Study including preliminary results.

6. **CONTINUED PUBLIC COMMENTS**

If the five-speaker limit for public comments was exceeded at the beginning of this agenda, other public comments will be taken at this time. Subjects of previous agenda items may not again be addressed under public comment.
7. UPON MEETING

The next meeting of the Borders Committee is scheduled for Friday,
October 27, 2017, at 12:30 p.m.

8. ADJOURNMENT

+ next to an agenda item indicates an attachment
BORDERS COMMITTEE DISCUSSION AND ACTIONS

JULY 28, 2017

The meeting of the Borders Committee was called to order by Vice Chair Ed Gallo, North County Inland, at 12:30 p.m.

Vice Chair Gallo welcomed and introduced new Borders Committee members and guests.

1. APPROVAL OF MEETING MINUTES (APPROVE)

Action: Upon a motion by Supervisor John Renison (Imperial County), and a second by Supervisor Greg Cox (County of San Diego), the Borders Committee approved the minutes from its May 26, 2017, meeting. Yes: Vice Chair Gallo, Supervisor Cox, Councilmember Ronn Hall (East County), Supervisor Renison, Deputy Mayor Chuck Lowery (North County Inland), and Councilmember Bill Sanke (South Bay). No: None. Abstain: None. Absent: City of San Diego.

2. PUBLIC COMMENTS/COMMUNICATIONS

There were no public comments.

REPORTS

3. INTERSTATE 8 UPDATE – IMPERIAL COUNTY (INFORMATION)

Jacqueline Appleton-Deane, Caltrans District 11, provided an update on the Interstate 8 – Imperial County lane and shoulder asphalt repaving project.

Action: This item was presented for information.

4. PROGRESS REPORT ON THE SAN YSIDRO LAND PORT OF ENTRY RECONFIGURATION AND EXPANSION PROJECT (INFORMATION)

Anthony Kleppe, U.S. General Services Administration, presented the item and provided a progress report on the San Ysidro Land Port of Entry Reconfiguration and Expansion project, including updates on the Phases II and III strategy and the Interstate 5 southbound realignment construction schedule.

Action: This item was presented for information.

5. CONTINUED PUBLIC COMMENTS

There were no additional public comments.
6. UPCOMING MEETINGS (INFORMATION)

The next meeting of the Borders Committee is scheduled for Friday, September 22, 2017, at 12:30 p.m.

7. ADJOURNMENT

Vice Chair Gallo adjourned the meeting at 1:37 p.m.
**CONFIRMED ATTENDANCE**

**SANDAG BORDERS COMMITTEE MEETING**

**JULY 28, 2017**

<table>
<thead>
<tr>
<th>JURISDICTION</th>
<th>NAME</th>
<th>MEMBER/ ALTERNATE</th>
<th>ATTENDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of San Diego</td>
<td>David Alvarez</td>
<td>Member</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Mark Kersey</td>
<td>Alternate</td>
<td>No</td>
</tr>
<tr>
<td>County of San Diego</td>
<td>Greg Cox</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Dianne Jacob</td>
<td>Alternate</td>
<td>No</td>
</tr>
<tr>
<td>East County</td>
<td>Ronn Hall</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Raquel Vasquez</td>
<td>Alternate</td>
<td>No</td>
</tr>
<tr>
<td>Imperial County</td>
<td>John Renison</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Luis Plancarte</td>
<td>Alternate</td>
<td>Yes</td>
</tr>
<tr>
<td>North County Coastal</td>
<td>Chuck Lowery</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Tasha Boerner Horvath</td>
<td>Alternate</td>
<td>Yes</td>
</tr>
<tr>
<td>North County Inland</td>
<td>Ed Gallo (Vice Chair)</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Jim Cunningham</td>
<td>Alternate</td>
<td>No</td>
</tr>
<tr>
<td>South County</td>
<td>Serge Dedina (Chair)</td>
<td>Member</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Bill Sandke</td>
<td>Alternate</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**ADVISORY MEMBERS**

<table>
<thead>
<tr>
<th>JURISDICTION</th>
<th>NAME</th>
<th>MEMBER/ ALTERNATE</th>
<th>ATTENDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>County of Riverside</td>
<td>Marsha Swanson</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Jeffrey Giba</td>
<td>Alternate</td>
<td>No</td>
</tr>
<tr>
<td>Republic of Mexico</td>
<td>Marcela Celorio</td>
<td>Member</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Vacant</td>
<td>Alternate</td>
<td>No</td>
</tr>
<tr>
<td>Southern California Tribal Chairman's Association</td>
<td>Chairman Edwin &quot;Thorpe&quot; Romero</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Cody Martinez</td>
<td>Alternate</td>
<td>No</td>
</tr>
<tr>
<td>Caltrans</td>
<td>Laurie Berman</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Ann Fox</td>
<td>Alternate</td>
<td>No</td>
</tr>
<tr>
<td>San Diego County Water Authority</td>
<td>Gary Croucher</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>David Barnum</td>
<td>Alternate</td>
<td>Yes</td>
</tr>
<tr>
<td>SCAG</td>
<td>Naresh Amatya</td>
<td>Member</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>David C. Salgado</td>
<td>Alternate</td>
<td>No</td>
</tr>
<tr>
<td>County of Orange</td>
<td>Jim Ferryman</td>
<td>Member</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Jim Dahl</td>
<td>Alternate</td>
<td>Yes</td>
</tr>
</tbody>
</table>
SAN DIEGO AND WESTERN RIVERSIDE INTERREGIONAL PARK & RIDE STRATEGY

Introduction

In 2017, SANDAG was awarded a $288,000 grant from Caltrans to partner with the Riverside County Transportation Commission (RCTC) to proactively address Park & Ride demand by better managing existing lots and identifying potential Park & Ride solutions to accommodate future demand. The San Diego and Western Riverside Interregional Park & Ride Strategy is focused on developing regional management strategies for existing and future Park & Ride facilities within San Diego and Riverside counties. This report will serve as an introduction of the project to the Borders Committee.

Discussion

SANDAG has partnered with the RCTC in an effort to compile and inventory all existing Park & Ride facilities, assess demand, and identify strategies to better manage existing facilities and plan for anticipated needs. This study will identify best practices throughout the country for how to effectively manage Park & Ride facilities and develop potential solutions for the regions of San Diego and Western Riverside County. The project will include existing conditions and best practices research, a Park & Ride demand analysis and siting tool, and recommendations for phased implementation of new management strategies.

This effort aligns itself closely to the framework previously established under the Interstate 15 Interregional Partnership (I-15 IRP) that included participation from SANDAG, Caltrans, the Western Riverside Council of Governments as well as local planning and transportation agencies in the two counties of San Diego and Riverside. Much like the I-15 IRP, this study leverages the agency partnership to develop strategies that will help better manage and improve access to these inter-modal facilities.

The importance of Park & Ride facilities has been acknowledged throughout the state and sizeable investments have been made to date. The San Diego and Western Riverside Counties Interregional Park & Ride Strategy aims to develop a comprehensive approach to better utilize and manage these inter-modal investments; and, to identify where future investments are needed to support both regions’ efforts to increase the attractiveness of transit and ridesharing as competitive alternatives to single occupant vehicle use. The management strategies developed in this study will serve as a guide for other regions beyond San Diego and Western Riverside counties as agencies throughout the state seek strategies that include innovative methods for managing transportation infrastructure.
Next Steps

Staff will work with RCTC to keep the Borders Committee informed of progress and project outcomes.

CHARLES “MUGGS” STOLL
Director of Land Use and Transportation Planning

Key Staff Contact: April Petonak, (619) 699-7322, april.petonak@sandag.org
San Diego and Western Riverside Interregional Park & Ride Strategy

Borders Committee
September 22, 2017

Caltrans Sustainable Transportation Planning Grants: Strategic Partnerships Award

• Grant Award
  – $288,000 Caltrans Grant
  – $72,000 Local Match
• Partnership with Riverside County Transportation Commission
• Two-Year Project to be completed by June 30, 2019
Project Areas

Project Need
Scope of Work

- Compile and inventory all Park & Ride Facilities
- Develop a Park & Ride demand analysis and siting tool
- Identify strategies to better manage existing facilities and plan for anticipated needs
- Establish recommendations for phased implementation of potential management strategies

Next Steps

- Kick-off project with planning and survey consultants
- Share analysis and recommendations with Borders Committee
- Finalize recommendations and report
San Ysidro Air Study

Today's Presentation

Community & CalEnviroScreen

Elements of the Study

Update Next Steps
San Ysidro Land Port of Entry
Pollution Concerns

- Freeways
- San Ysidro Land Port of Entry
- Commercial trucks from Otay Land Port of Entry
- Freight Trains
- Municipal airport to east (Brown Field)

Sources in Tijuana
- Trash burning
- Industrial
- Traffic
- Planned burns
- Illicit burning
- Unpaved roads

CalEnviroScreen

- Science-based tool
- Uses 19 indicators of environmental, health, and socioeconomic conditions
- Evaluates multiple pollution sources
- While accounting for a community’s vulnerability to pollution

http://oehha.ca.gov/calenviroscreen/maps-data
Today's Presentation

Community & CalEnviroScreen

Elements of the Study

Next Steps
Modeled After the Imperial County Community Air Monitoring Project

https://www.ivan-imperial.org/air

Goals
San Ysidro Community Air Monitoring

• Assess community needs and concerns
• Collect data using next generation low-cost instruments
• Access spatial and temporal gradients NOT captured by the regulatory monitoring network
• Develop capacity to continue collecting data
• Support ongoing improvement in public health
• Provide data for CalEnviroScreen

http://deohs.washington.edu/san-ysidro-air-quality-and-border-traffic-study
The Study Partners

Funded by the California Office of Environmental Health Hazard Assessment

San Ysidro Study Timeline: 2016-2018

Community Workshops → CSC (Community Steering Committee) → TAG (Technical Advisory Group) → Lab Testing & Collocations → Website Unveiling

Website Unveiling → Research to Action Initiatives & Sustainability → Report Findings and Next Steps
Advanced Low-Cost Monitoring Equipment

- Non-regulatory research instruments
  *Modified Dylos particle counter with 4-size bins measuring between PM 0.5 – 10 μm.*
  *Alphasense electrochemical sensors for traffic-related gas pollutants (CO, NO, NO₂, O₃)*
  *Temperature and Relative Humidity*

- Cellular network for real-time data transmission to University of Washington (UW) to website

- Internet server for storing and sharing data

- Calibration factors applied BEFORE data displayed

Network Performance as of June 2017

- Network fully operational since January 1st, 2017
- 11 Sites have been monitored in this period
  - One site was discontinued due to frequent power problems

Data completeness:
> 80 % for most sites

Data issues:
- Sensors need replacement
- Power supply
- Access to sites
- Weather and elements (i.e., wind storms, sea spray)
**Purpose:**

Provide particulate monitoring data for interpretation of the particulate and gas air pollution values transmitted from the UW community real-time air monitors. Data will increase knowledge of particle size and composition.

**When:**

At least two seasons in sampling year for 5 – 14 days

**What:**

- Real-time particulate matter
  - ultrafine particles <0.1 um (traffic-related)
  - PM1,2.5,4 and 10
  - black carbon (a marker for diesel soot)
- Gravimetric (filter) samples
  - PM2.5
  - 1-nitropyrene (a marker for diesel)

---

**Snapshot Sampling Campaign**

**Purpose:**

Provide particulate monitoring data for interpretation of the particulate and gas air pollution values transmitted from the UW community real-time air monitors. Data will increase knowledge of particle size and composition.

**When:**

At least two seasons in sampling year for 5 – 14 days

**What:**

- Real-time particulate matter
  - ultrafine particles <0.1 um (traffic-related)
  - PM1,2.5,4 and 10
  - black carbon (a marker for diesel soot)
- Gravimetric (filter) samples
  - PM2.5
  - 1-nitropyrene (a marker for diesel)

---

**Visualization Functionality** (based on input from Community Steering Committee)

- Tabbed display for ease and organization
- Map with visual indicator of pollution level (color grading)
- Indication of absolute concentration
- Additional information on each pollutant
- Time series display of hourly concentrations
- Indicator of whether hourly concentrations exceed California Ambient Air Quality Standards (CAAAQS) values
- Link to current Air Quality Index (AQI) values provided by San Diego Air Pollution Control District
- Data request form

**http://syairstudy.org/**

---

**Purpose:**

Provide particulate monitoring data for interpretation of the particulate and gas air pollution values transmitted from the UW community real-time air monitors. Data will increase knowledge of particle size and composition.

**When:**

At least two seasons in sampling year for 5 – 14 days

**What:**

- Real-time particulate matter
  - ultrafine particles <0.1 um (traffic-related)
  - PM1,2.5,4 and 10
  - black carbon (a marker for diesel soot)
- Gravimetric (filter) samples
  - PM2.5
  - 1-nitropyrene (a marker for diesel)

---

**Visualization Functionality** (based on input from Community Steering Committee)

- Tabbed display for ease and organization
- Map with visual indicator of pollution level (color grading)
- Indication of absolute concentration
- Additional information on each pollutant
- Time series display of hourly concentrations
- Indicator of whether hourly concentrations exceed California Ambient Air Quality Standards (CAAAQS) values
- Link to current Air Quality Index (AQI) values provided by San Diego Air Pollution Control District
- Data request form

**http://syairstudy.org/**
Time Series Display of Hourly Concentrations

http://syairstudy.org/

Interpreting this data with respect to government health based standards:
For these sites, on this day, there are hours when particle mass (PM2.5) measured by this sensor network exceeds the 24-hour NAAQS standard of 35 ug/m^3 set by the EPA.

The data presented here is NOT regulatory data and errors may exist. Please follow current outdoor conditions and health recommendations from the San Diego County (APCD).

TODAY'S PRESENTATION

COMMUNITY & CALENVIROSCREEN

ELEMENTS OF THE STUDY

NEXT STEPS
Next Steps

- Potential funding from Border 2020 to place monitors in Tijuana, Mexico
- Continue to collect and analyze data including detailed particle analysis (SDSU)
- Continue to share air pollution results and allow access to data (website)
- Investigate likely major sources of air pollution – source apportionment
- Methodological approach to integrate results into CalEnviroScreen
- Begin discussing exposure reduction strategies (research to action)
- Develop capacity of the San Ysidro community to sustain this project
- Disseminate key lessons learned

Casa Familiar
Integrating Community Concerns

San Ysidro Community Plan Update – City Council Adopted November 15, 2016
• NEW chapter 8.3 AIR QUALITY under Conservation Element

Policies
8.3.1 Encourage enforcement of air quality regulations by the San Diego County Air Pollution Control District (APCD).
8.3.2 Implement a pattern of land uses that can be served efficiently by a multi-modal transportation system that directly and indirectly minimizes air pollutants.
8.3.3 Support the monitoring of particulate pollution at the Port of Entry, and pursue methods of reducing emission, while accommodating the expansion of the Port of Entry activities.
8.3.4 Educate businesses and residents on the benefits of alternative modes of transportation, including public transit, walking, bicycling, car and van pooling, and teleworking.
8.3.5 Encourage street tree and private tree planting programs throughout the community to increase absorption of carbon dioxide and pollutants.
Acknowledgements

Community Steering Committee

Research Team
- David Flores - Casa Familiar 501(c)(3)
- Edmund Seto & Elena Austin - University of Washington
- Penelope (Jenny) Quintana & Zohir Chowdhury - San Diego State University
- Graduate Research Assistants

Technical Advisory Committee

Comite Civico Del Valle

California Environmental Health Tracking Program

OEHHA State of California (funding agency)

Questions?
- Edmund Seto eseto@uw.edu
- David Flores davidf@casafamiliar.org
- Penelope JE Quintana jquintan@mail.sdsu.edu
- Vanessa Galaviz vanessa.galaviz@oehha.ca.gov

(Extra Slides)
Community Steering Committee (CSC)

- Made up of 10 community residents
- Serve as community experts and guide the study
- Act as liaisons between community residents and study team

TAG members

Technical Advisory Group (TAG)

- TAG made up of local and state government agencies
- Through meetings serve as technical experts to guide the study

San Diego Association of Governments (SANDAG)

California Department of Transportation (DOT)

EPA Region 9

San Diego Air Pollution Control District (SDAPCD)

California Air Resources Board (CARB)
Code for visualization is available at: https://github.com/elaustin/syvis_docker

All data accessible for non-commercial use

Data requests collected through a webform: https://goo.gl/forms/W74cc7na3X7jAL7p2

Data distribution includes hourly concentrations measured at the monitoring locations as well as a readme file that includes a sharing license and data description.

Merged San Ysidro Data with IVAN Air
https://ivan-imperial.org/air/map