Overview

- Scope of Work, Schedule, Project Goals
- Work in Progress
  - Stakeholder Group Meetings
  - Review of Current & Previous Studies
  - Community Workshop
  - Review of Potential Indicators of Health
- Next Steps
### Schedule

- **T1**: Project Administration  
  *ON-GOING*
- **T2**: Existing Conditions  
  *DECEMBER 2013*
- **T3**: Community Engagement  
  *ON-GOING*
- **T4**: Health Analysis and Recommendations for Priority Issue Areas  
  *JUNE 2014*
- **T5**: Monitoring and Evaluation Plan  
  *DECEMBER 2014*
- **T6**: Final Health Equity Transportation Study  
  *JANUARY 2015*

### Terminology

- **Health Determinants** – factors believed to have a significant influence on the status of individual health
  - Quality and extent of bicycle and walking infrastructure
  - Proximity to parks and trails
- **Health Outcomes** – health status of individuals
  - Obesity / BMI
  - Asthma
  - Cancer
- **Health Indicators** – any measure of health determinants or outcomes
Project Goals – Some Considerations

- Model Study to Inform Other Plans/Studies:
  - City of San Diego Community Plan Updates
  - Local General Plan Updates
  - Smart Growth Opportunity Area Master Plans and Corridor Studies
  - Community Members
  - Other Communities

- Clarifying Mobility - Health Relationships

We need to quantify these relationships in order for health to compete with other planning outcomes
Stakeholder Group Goals & Objectives

- Assist in development of the study
- Identify priority health & mobility issues
- Identify potential solutions or recommendations

San Ysidro Health-Related Studies & Projects

- 2010 Health Status in the California Border Region (2010)
- Healthy Borders: San Ysidro POE Pedestrian Border Crossing Experiences (2011)
- Border 2020 (2012)
- Health Impacts of Crossings at U.S.-Mexico LPOE (2012)
San Ysidro Mobility-Related Studies & Projects

- California-Baja California Border Master Plan (2008)
- San Ysidro Mobility Strategy (2009)
- San Ysidro LPOE Improvements Project: Final Environmental Impact Study (2009)
- San Ysidro POE Reconfiguration Mobility Study (2010)
- San Ysidro Community Plan Update (Ongoing)
- Intermodal Transportation Center Study (Ongoing)

Potential Indicators of Health Determinants, Behaviors, and Outcomes

- Mobility-related Health Determinants and Behaviors
  - Time spent walking or cycling
  - Commute times by mode of transit
  - Quantity and quality of bicycle and pedestrian facility
  - Number and rate of bicycle and pedestrian collisions
  - Estimated air emissions
  - Distance travelled in automobiles (VMT)
  - Residents’ perceived safety walking along roadways
  - Number of crimes near transit stops
Potential Indicators of Health Determinants, Behaviors, and Outcomes (Cont’d)

- Access or Exposure-Related Health Determinants
  - Proportion of population within ½ mile of a prime arterial
  - Proportion of households living near designated truck routes
  - Proportion of households living within 500 feet of a freeway
  - Proportion of population within ½ mile of Class I Bike Path
  - Proportion of population within ½ mile of a full service supermarket
  - Proportion of population within ½ mile of park or recreation facility

- Health-Related Outcomes
  - Nutrition and physical activity related to chronic diseases
  - Asthma and other respiratory conditions
  - Stress
  - Obesity

Next Steps

- Community Workshop – July 11th
- Stakeholder Group Meeting – August, 2013
- Existing Conditions Report – October, 2013
First Community Workshop

**When / Where:**
Thursday, July 11, 6 – 8 PM  
Casa Familiar Civic Center  
212 W. Park Avenue, San Diego, CA 92173

**Why:**
- Provide an overview of project scope and goals
- Describe the relationships between health and mobility/access
- Receive Community’s input on:
  - Most prevalent health concerns and opportunities in San Ysidro
  - Most pressing mobility issues

Questions?

Laurie Gartrell  
SANDAG  
laurie.gartrell@sandag.org

Border Health Equity Transportation Study
BORDERS COMMITTEE
SANDAG
JUNE 28TH, SAN DIEGO, CA.
FINISHED PROJECTS:

- "EL CHAPARRAL" PORT OF ENTRY
- TRANSIT CENTER AND EMPLOYEE PARKING IN EL CHAPARRAL
- REHABILITATION OF THE PEDESTRIAN BRIDGE TOWARDS AV. REVOLUCION.
- 4 VEHICULAR BRIDGES TO ACCESS Tijuana.
- TEMPORARY ACCESS TO MÉXICO.
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE
REVERSAL OF SOUTHBOUND LANES TO NORTHBOUND DIRECTION

- 650 METERS (K-RAILS)
- ADDITION OF 2 LANES IN 450 METERS.
- THOSE 2 LANES WILL EXPAND INTO 5 LANES IN 200 METERS.
- TOTAL CAPACITY OF 300 VEHICLES APROX.
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE
REVERSAL OF SOUTHBOUND LANNES TO NORTHBOUND DIRECTION
EL CHAPARRAL – PUERTA MEXICO – PUERTA MEXICO ESTE
NEW PEDESTRIAN FACILITIES “PUERTA MEXICO ESTE”

SECRETARÍA DE INFRAESTRUCTURA Y DESARROLLO URBANO DEL ESTADO.
CRUCES FRONTERIZOS 2013.
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE
NEW PEDESTRIAN FACILITIES “PUERTA MEXICO ESTE”
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE
PEDESTRIAN PATHWAY FROM “PUERTA MEXICO ESTE”
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE
PEDESTRIAN SCHEME

New southbound pedestrian building:
Puerta México Este.

Pedestrian pathway to transit center

Transit center.
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE PLAZA, AND TRANSIT CENTER.

Andador peatonal

Acceso propuesto a estacionamiento

Plaza

Zona de ascenso y descenso para taxis.
Zona de ascenso y descenso para camiones.
Corte de terreno de admicarga para permitir radio de giro a camiones de pasajeros.

Prohibido estacionarse

Cruce peatonal

Rampa y escalera para peatones
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE
RECONFIGURATION OF PEDESTRAIN LANES AND TRANSIT CENTER.
• INDAABIN ALLOCATED THE PROPERTY TO BAJA STATE GOV.
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE
BICENTENNIAL PLAZA
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE
MULTIMODAL STATION.
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE
MULTIMODAL STATION.
EL CHAPARRAL — PUERTA MEXICO — PUERTA MEXICO ESTE MULTIMODAL STATION.
PEDESTRIAN INTEGRATION
BICENTENNIAL PLAZA - PUERTA MEXICO ESTE.
SCHEME

A) PUERTA MEXICO ESTE (SOUTHBOUND PEDESTRIAN ACCESS)
B) MULTI SERVICES AND PARKING BUILDING
C) MULTIMODAL STATION
D) PEDESTRIAN BRIDGE
E) BICENTENNIAL PLAZA
PEDESTRIAN INTEGRATION
BICENTENNIAL PLAZA -PUERTA MEXICO ESTE.
AERIAL VIEW

SECRETARÍA DE INFRAESTRUCTURA Y DESARROLLO URBANO DEL ESTADO.
CRUCES FRONTERIZOS 2013.

Nivel +29.00
Plaza 2 // Puente
PEDESTRIAN INTEGRATION
BICENTENNIAL PLAZA - PUERTA MEXICO ESTE.
SCHEME
PEDESTRIAN INTEGRATION
BICENTENNIAL PLAZA—PEDESTRIAN BRIDGE.
SCHEME
PEDESTRIAN INTEGRATION
BICENTENNIAL PLAZA - PUERTA MEXICO ESTE.
OVERVIEW
BORDERS COMMITTEE

SANDAG

JUNE 28TH, SAN DIEGO, CA.
Good Neighbor Environmental Board

SANDAG Borders Committee
June 28, 2013

Mike Vizzier
Department of Environmental Health, Hazardous Materials Division

- Member of the Good Neighbor Advisory Board
- Co-Chair of the local Border 2020 ER Group
- Participant in Border 2020 Compliance Stewardship Group
Good Neighbor Environmental Board (GNEB)

- The GNEB was created by Congress in 1992 to advise the President and Congress about environmental and infrastructure issues and needs within the border states.
- The Board’s role is to step back as an expert/concerned observer and analyze the big picture when it comes to the problems the border region faces, as well as the opportunities at hand.

GNEB Membership

- Board members include representatives from
  - U.S. government agencies
  - Border states governments
  - Border state private organizations, including community development, academic, health, environmental, and other NGOs with environmental & infrastructure expertise.

- The statute requires the GNEB to submit an annual report to the President and the Congress
Topics Covered in the Report

- Water Supply
- Water Quality
- Water Treatment
Many challenges identified in the 5th and 8th reports persist:

- Arid climate
- High levels of poverty
- Rapid population growth
- Aging infrastructure
- Laws in both countries were put in place in earlier times under different circumstances

Recommendations:

I. Increase Collaboration and Coordination

II. Reduce Discharge into Border Water Bodies

III. Improve Drinking and Wastewater Infrastructure

IV. Financial Needs
I. Increase Collaboration and Coordination

With...
- the government of Mexico
- other stakeholders in Mexico
- border states
- tribes
- local governments
- other US stakeholders

IBWC
- continue to facilitate *bi-national, multi-stakeholder efforts* to improve water quality

Department of the Interior
- continue to support efforts to *gain information* for better management of border watersheds and water bodies.
- ensure that solutions include those that *promote healthy river flows.*
IBWC and EPA---

• strengthen partnerships with Mexico to *improve pretreatment of wastewater discharges*

EPA and the Indian Health Service (IHS)-

• continue to *assist tribes in building capacity* to improve recognition and regulatory authority over tribal waters

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II. Reduce Discharge into Border Water Bodies

• develop and/or implement models to *estimate nutrient load and transport* that inform the efficacy of sediment conservation practices

USDA Natural Resources Conservation Service (NRCS) and Bureau of Land Management

• identify and encourage land use practices that *reduce sediment entering* border water bodies

• in consultation with states, address the *control of nitrate contamination* of surface and ground water in the border region
Border 2020

Water Policy Group
• encourage measures to protect shared infrastructure and the environment in bi-national watersheds

Water and Waste Groups
• work to protect border watersheds through improved management of waste on both sides of the border

Access to Centralized Water but no Centralized Wastewater Service: U.S. Needs and Investment Estimates

<table>
<thead>
<tr>
<th>State</th>
<th># of Counties</th>
<th>Drinking Water Connections</th>
<th>Wastewater Connections</th>
<th>% Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>2</td>
<td>1,154,181</td>
<td>1,122,242</td>
<td>97%</td>
</tr>
<tr>
<td>Arizona</td>
<td>4</td>
<td>465,534</td>
<td>460,666</td>
<td>99%</td>
</tr>
<tr>
<td>New Mexico</td>
<td>5</td>
<td>69,613</td>
<td>42,770</td>
<td>61%</td>
</tr>
<tr>
<td>Texas</td>
<td>25</td>
<td>728,192</td>
<td>525,960</td>
<td>72%</td>
</tr>
<tr>
<td>Total U.S. Border Region</td>
<td>36</td>
<td>2,417,520</td>
<td>2,151,638</td>
<td>89%</td>
</tr>
</tbody>
</table>

Source: BECC Needs Assessments
IV. Address Financial Needs

- devote more resources to *data collection*, especially of ground water data, including fulfilling its commitment to the Trans-boundary Aquifer Assessment Program (TAAP)

BECC and NADB

- increase opportunities for economically disadvantaged border communities to *obtain funding* (grants, cost-share agreements and low-interest loans) supported by *financial, managerial, and technical assistance*

Joint Board of Directors of the BECC and NADB

- consider *additional lending vehicles*: subsidized lending, revolving loan funds and the ability to refinance debt
GNEB 2013 & 2014

- Report Topic Ecological Restoration
  - Advisory letter 2013
  - Full report 2014
- California Members
  - Mike Vizzier, County of San Diego, DEH
  - Jack Monger, San Diego County, IEA
  - Keith Pezzoli, UCSD
  - Jill Sherman-Warne, NAEPC
  - Jose Angel, RWQCB, Colorado River Basin
  - Luis Olmedo, Comite Civico Del Valle, Inc

GNEB Reports
http://www.epa.gov/ofacmo/gneb/gneb_reports_advice.htm

- 1995 - General
- 1996 - Border XXI
- 1997 - Border XXI
- 2001 - Water
- 2002 - Water, Air, Hazmat (Border 2012)
- 2003 - Water, Power Plants, Human Health, Natural Resources Conservation
- 2004 - Children’s Environmental Health
- 2005 - Water
GNEB Reports

• 2006 - Air Quality and Transportation & Cultural and Natural Resources
• 2007 - Environmental Protection & Border Security
• 2008 - Natural Disasters & the Environment
• 2009 - Innovative and Practical Approaches to Solving Border Environmental Problems
• 2010 - A Blueprint for Action, (Border 2020)
• 2011 - Renewable Energy
• 2012 - Water
Community Meeting
July 10, 2013
6 p.m.
Colonel Irving Salomon San Ysidro
Community Activity Center
179 Diza Road
San Diego, CA 92173

SANDAG and the City of San Diego – in partnership with Caltrans, the Metropolitan Transit System and community members – are working to make the San Ysidro Intermodal Transportation Center (SYITC) a landmark destination. Two design concepts for the development of a multi-use transit hub have been created with input gathered from the community.

You are invited to review and provide feedback on two design concepts for a future SYITC that were developed with your input.

For more information: Contact Sara Osborn at 619-236-6368 or email at: sosborn@sandiego.gov or Rachel Kennedy at 619-699-1929 or email at: rachel.kennedy@sandag.org.

www.sandag.org/syitc

WE WANT TO HEAR FROM YOU!

Junta Comunitaria
10 de julio de 2013
6 p.m.
Centro Comunitario de Actividades
Coronel Irving Salomon en San Ysidro
179 Diza Road
San Diego, CA 92173

- NIÑOS ESTÁN BIENVENIDOS
- SE OFREcerÁN REFREscOS
- RIFAS

SANDAG y la Ciudad de San Diego – trabajando con Caltrans, MTS, y miembros de la comunidad – están trabajando para hacer el Centro Intermodal de Transporte de San Ysidro (SYITC, por sus siglas en inglés) un destino emblemático. Con retroalimentación proporcionada de parte de la comunidad, se han creado dos conceptos para el diseño de un centro de transporte multiuso.

Estás invitado a examinar y proporcionar tu opinión sobre dos conceptos para el diseño de un futuro SYITC que fueron desarrollados en base a su opinión.

Para más información, por favor comuníquese con Sara Osborn al 619-236-6368 o por correo electrónico a sosborn@sandiego.gov o con Rachel Kennedy al 619-699-1929 o por correo electrónico a rachel.kennedy@sandag.org.

www.sandag.org/syitc

¡QUEREMOS SABER QUÉ PIENSAS!

COMPARTISTE TU OPINIÓN Y TE ESCUCHAMOS. VEN A EXPLORAR DOS IDEAS PARA EL DISEÑO DE UN FUTURO CENTRO INTERMODAL DE TRANSPORTE DE SAN YSIDRO.
JOIN US FOR: The First Border Health Equity Transportation Study Community Workshop

WHEN: Thursday, July 11, 2013
6 – 8 p.m.

WHERE: Casa Familiar Civic Center
212 W. Park Avenue
San Diego, CA 92173

Come learn about an upcoming study on how transportation projects, policies, and programs can affect health in the San Ysidro border region. Share your thoughts about the most pressing health issues affecting your community. Such concerns may include bicycle and pedestrian safety, access to healthy food, proximity to parks and trails, and air quality. Refreshments will be provided.

FOR MORE INFORMATION, CONTACT:
Laurie Gartrell at laurie.gartrell@sandag.org or (619) 595-5388