

# Cross-Border Transportation

An aerial photograph of the Tijuana border area. A bright yellow horizontal line runs across the middle of the image, representing the international border between the United States and Mexico. A red dot is placed on the map, south of the border line, near the city of Tijuana. The text 'Tijuana' is visible to the right of the red dot. The background shows a dense urban landscape with buildings, roads, and some green spaces.

**Monterrey, Mexico**  
**May 8<sup>th</sup> & 9<sup>th</sup>, 2006**

**Pedro Orso-Delgado, Director**  
**Caltrans District 11**

# Outline

- California/Baja California Border Region
- Border Reality
- Trade Statistics
- Institutional Partnerships
- Planning For Development
- Challenges



# Caltrans Districts In Southern California

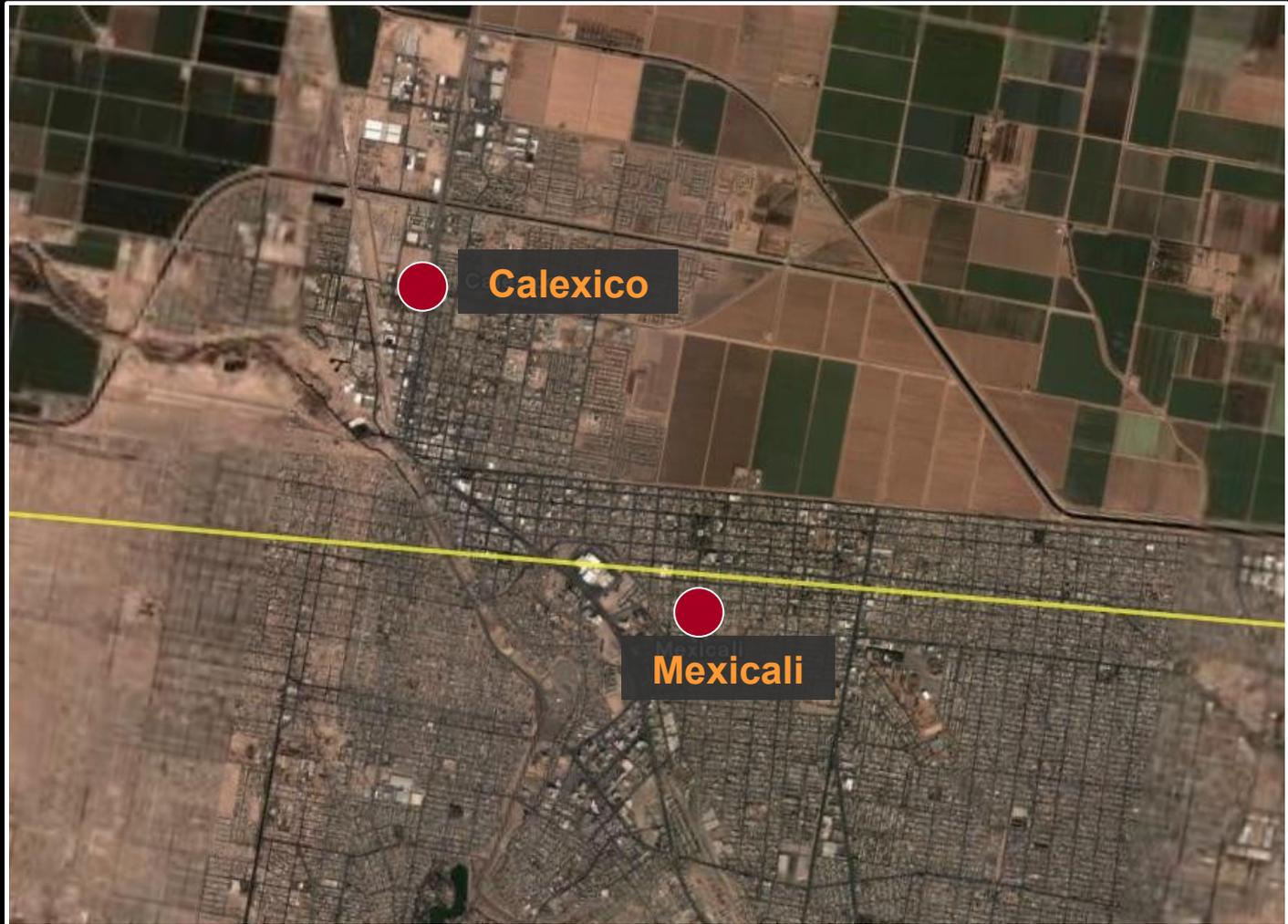




# San Diego/Tijuana



# Calexico/Mexicali



# Border Reality

# Cross-Border Commuting

## Calexico West Port of Entry

Fiscal Year 2005

Daily Trucks	0
Daily Passenger Vehicles	16,994
Daily Person Arrivals Via Passenger Vehicles	32,152
Daily Pedestrian Crossings	12,628

## Calexico East Port of Entry

Fiscal Year 2005

Daily Trucks	1,152
Daily Passenger Vehicles	8,649
Daily Person Arrivals Via Passenger Vehicles	16,662
Daily Pedestrian Crossings	4

## San Ysidro Port of Entry

Fiscal Year 2005

Daily Trucks	0
Daily Passenger Vehicles	46,471
Daily Person Arrivals Via Passenger Vehicles	86,769
Daily Pedestrian Crossings	24,036

# Cross-Border Commuting

- **Security**
  - Post 9/11
  - 5/01 Immigration Demonstrations
- **U.S. Visit**
  - Entry/Exit records for visa holders
  - Potential vehicular lines exiting U.S.
  - Highway Safety concerns
- **Pre-Clearance Programs**
  - Sentri for People
  - FAST for commercial Vehicles
- **Remote-Inland Inspection Processes**
  - Unavailable at Southwest border



# Regional Population Growth

Existing -

**5 Million**

2030 Projection -

**9 Million**

# San Ysidro Border Crossing



# Lost Economic Benefits

## San Diego-Baja California

### Personal Travel and Freight Movements

**\$4.2 Billion in Lost Output =**

**3 1/2 San Diego  
Convention  
Centers**



**42,200 Lost Jobs =**

**8-9 Qualcomm  
Companies**



# Lost Economic Benefits United States and Mexico Personal Travel and Freight Movements

**\$6.0 Billion in Lost Output = Southwest Airlines**



**Port of  
San Diego**



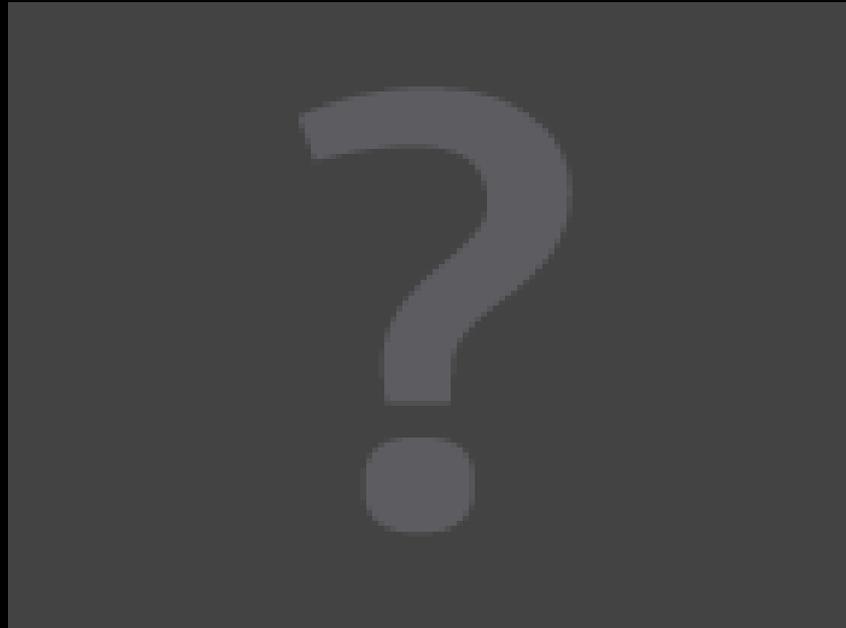
**51,300 Lost Jobs =**

**Nearly 2 Boeing  
Companies  
in California**

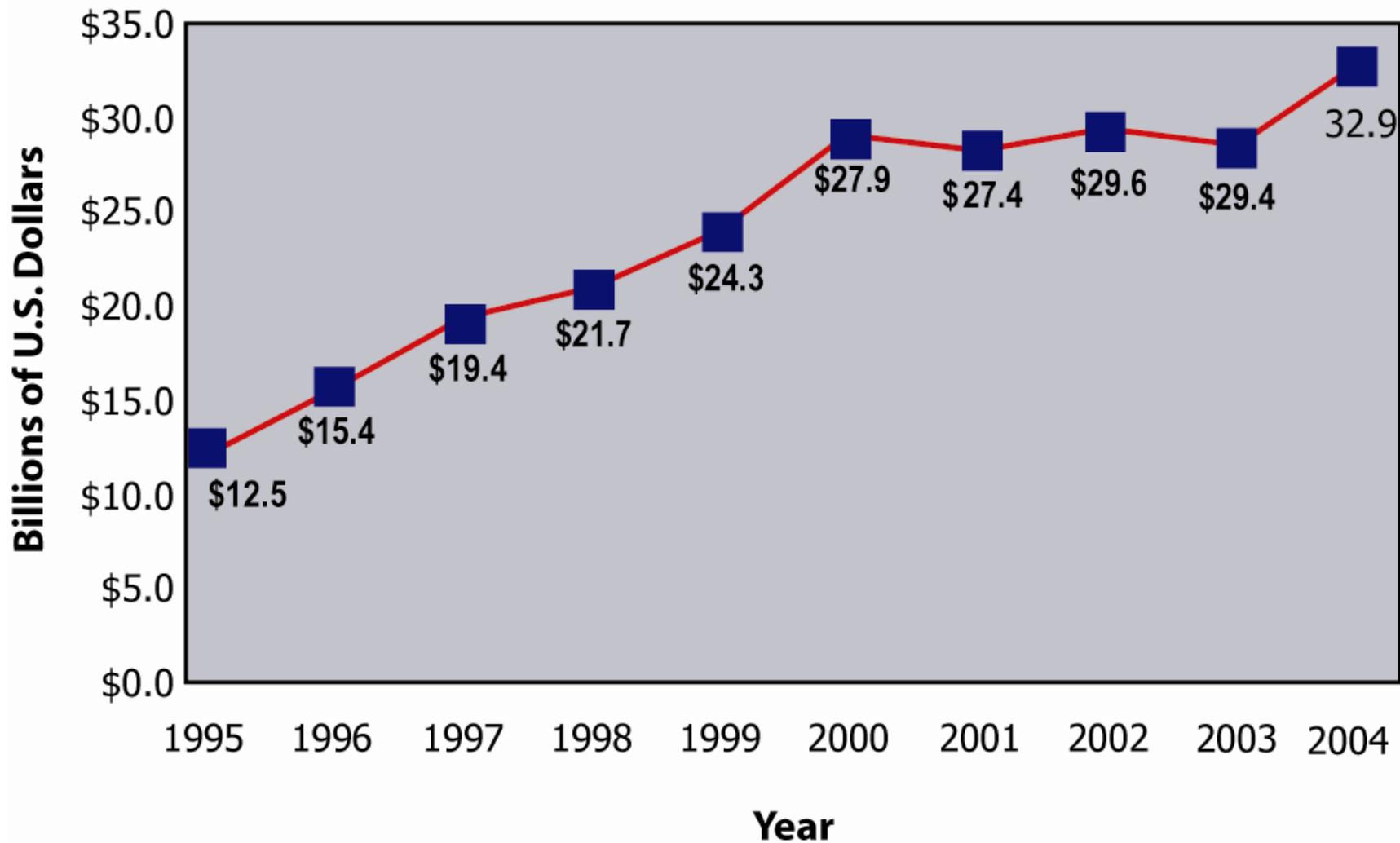


# Trade Statistics

# Otay Mesa Crossing

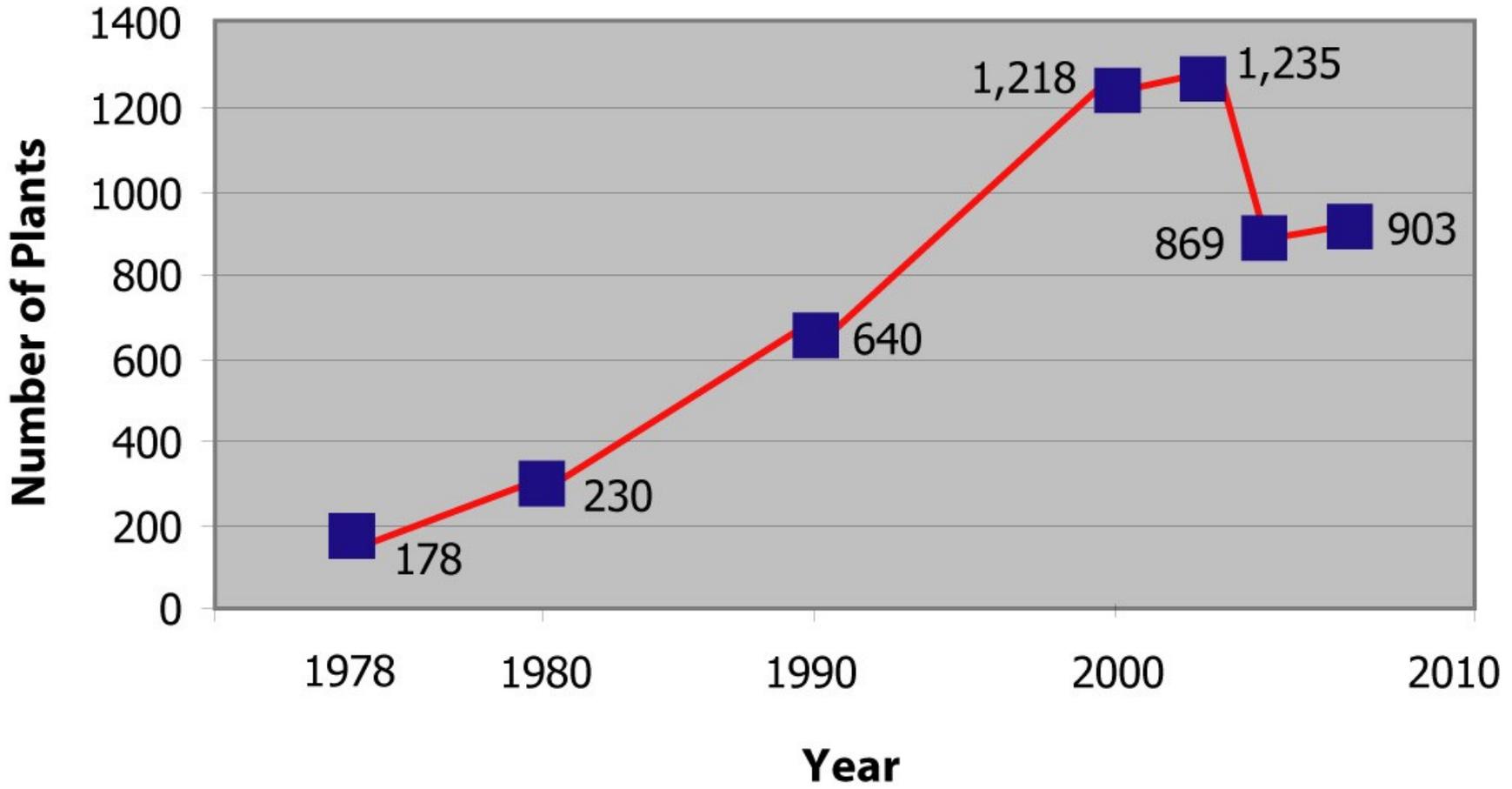


## California Trade with Mexico by Truck



# Interconnected Economic Development

## Maquiladora Growth





# Institutional Partnerships

# U.S. Partners

## Federal

**USDOS, DHS, CBP,  
GSA, FHWA**



## State

**CALTRANS**



## Local

**SANDAG, SCAG, IVAG  
County of San Diego  
County of Imperial  
City of San Diego  
City of Calexico**



# Mexican Partners

## Federal

**SRE, SCT, INDAABIN,  
ADUANA**



**INDAABIN**

## State

**SIDUE**



## Local

**IMPLAN, IMIP  
Municipality of Tijuana  
Municipality of Tecate  
Municipality of Mexicali**



# Coordinating Mechanisms

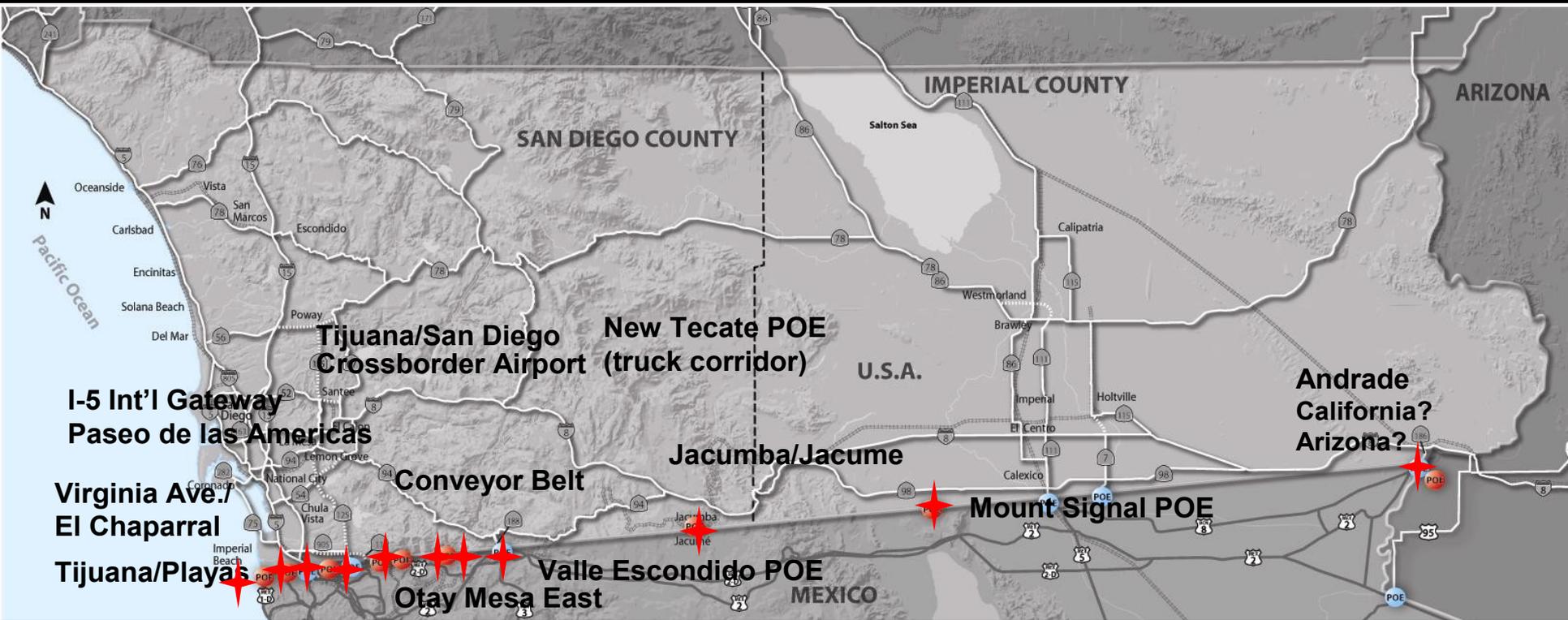
- Joint Working Committee (JWC)
- Borders Governor's Conference (BGC)
- U.S.-Mexico Border Crossings and Bridges Group
- CA-BC Bi-State Transportation Technical Advisory Committee (BTAC)
- SANDAG's Committee on Binational Regional Opportunities (COBRO)

# Planning For Development

# Planning Tools

- U.S./Mexican Traditional Planning
- Border Master Planning Process
- Infrastructure & Traffic Operations Bottlenecks
- Geographic Information Systems (GIS)
- Transportation Modeling

# Ports of Entry Proposals



# Highway Projects



PROJECT DESCRIPTION	PROJECT COST	PROGRAMMED FUNDING	SHORTFALL
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## Imperial County Projects

<b>9</b> * SR-78/111 "Brawley Bypass" Stage 2 Construction Underway - Final Completion 2010	\$118.0	\$90.0	\$28.0
<b>10</b> * I-8/Imperial Avenue Environmental Studies Underway	\$39.2	\$4.9	\$34.3
<b>11</b> * SR-98 (West Project) Environmental Studies Underway	\$11.0	\$2.0	\$9.0
<b>12</b> * SR-98 (East Project) Environmental Studies Underway	\$40.0-\$60.0	\$12.5	\$27.5 - \$47.5
<b>13</b> SR-111	Completed		\$0.0
<b>14</b> SR-7 (SR-98 to I-8)	Completed		\$0.0
<b>15</b> * SR-115 (I-8 to Evan Hewes Highway) Environmental Studies Underway	\$56.0 - \$76.0	\$0.0	\$56.0 - \$76.0
<b>16</b> Winterhaven CVEF Scoping Document Underway	\$40.0	\$1.8	\$38.2
<b>Total Imperial County</b>	<b>\$304.2 - \$344.2</b>	<b>\$111.2</b>	<b>\$193.0 - \$233.0</b>

\* Final Completion is Pending Future Availability of Funds

**PROJECTS**

**7**  
Ensenada Bypass (Ensenada - Tijuana)  
\$38 Million under Construction

**14**  
Special Road Improvements (Ensenada - Tijuana - Tecate)  
\$11.4 Million

SOURCE: State of Baja California Secretariat of Infrastructure and Urban Development (SIDUE)

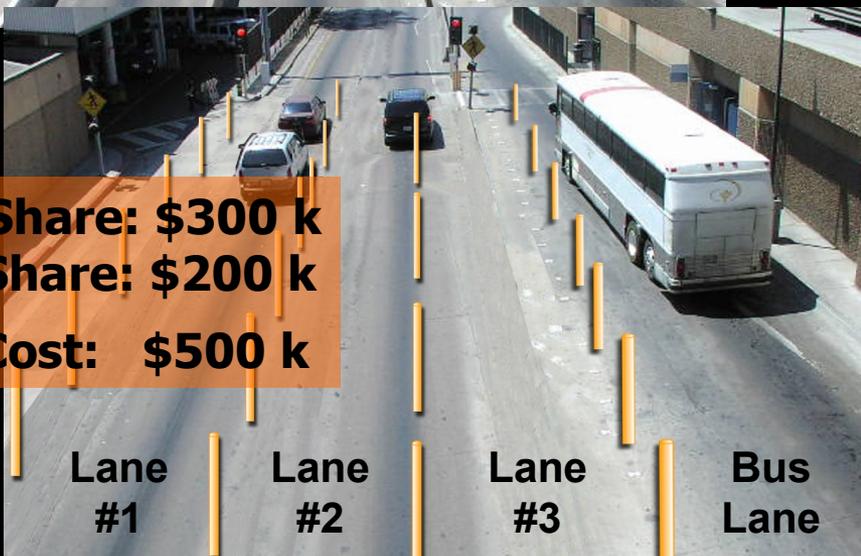
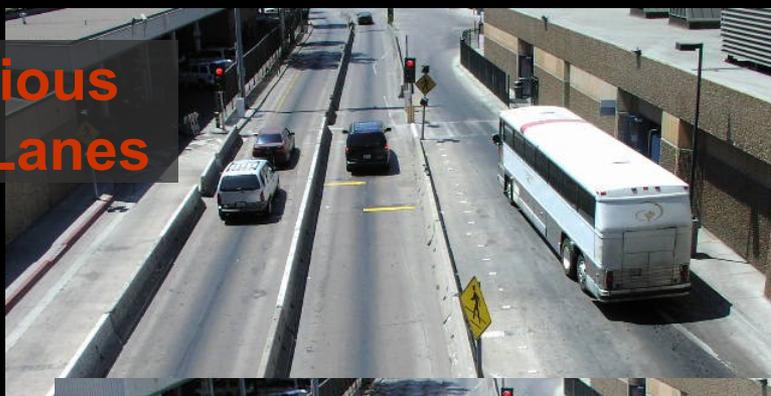


# Projects Inside POEs

## Local Low Cost Initiatives

### SENTRI Lane at San Ysidro POE

Previous  
Exit Lanes



Lane  
#1

Lane  
#2

Lane  
#3

Bus  
Lane

## FAST Lane



## HOV Lanes

Caltrans Share: \$300 k  
 CBP Share: \$200 k  
 Total Cost: \$500 k

# Adjacent to POEs

## Otay Mesa Southbound Truck Route

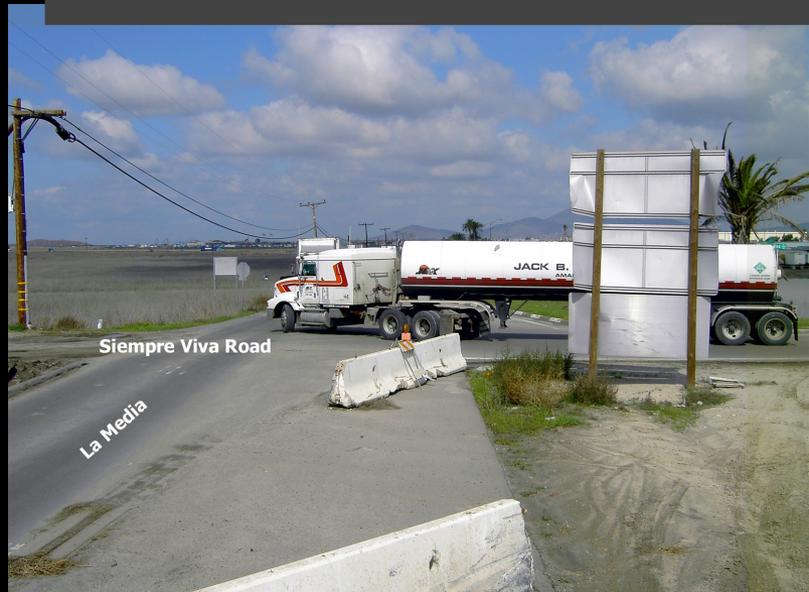
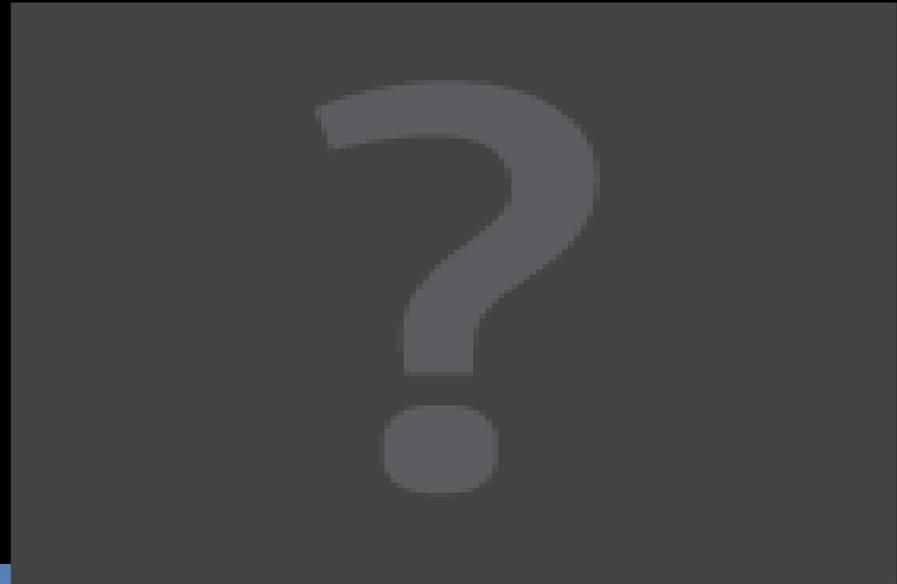
### The Project:

The planned project would construct a new dedicated roadway for southbound unladen trucks.

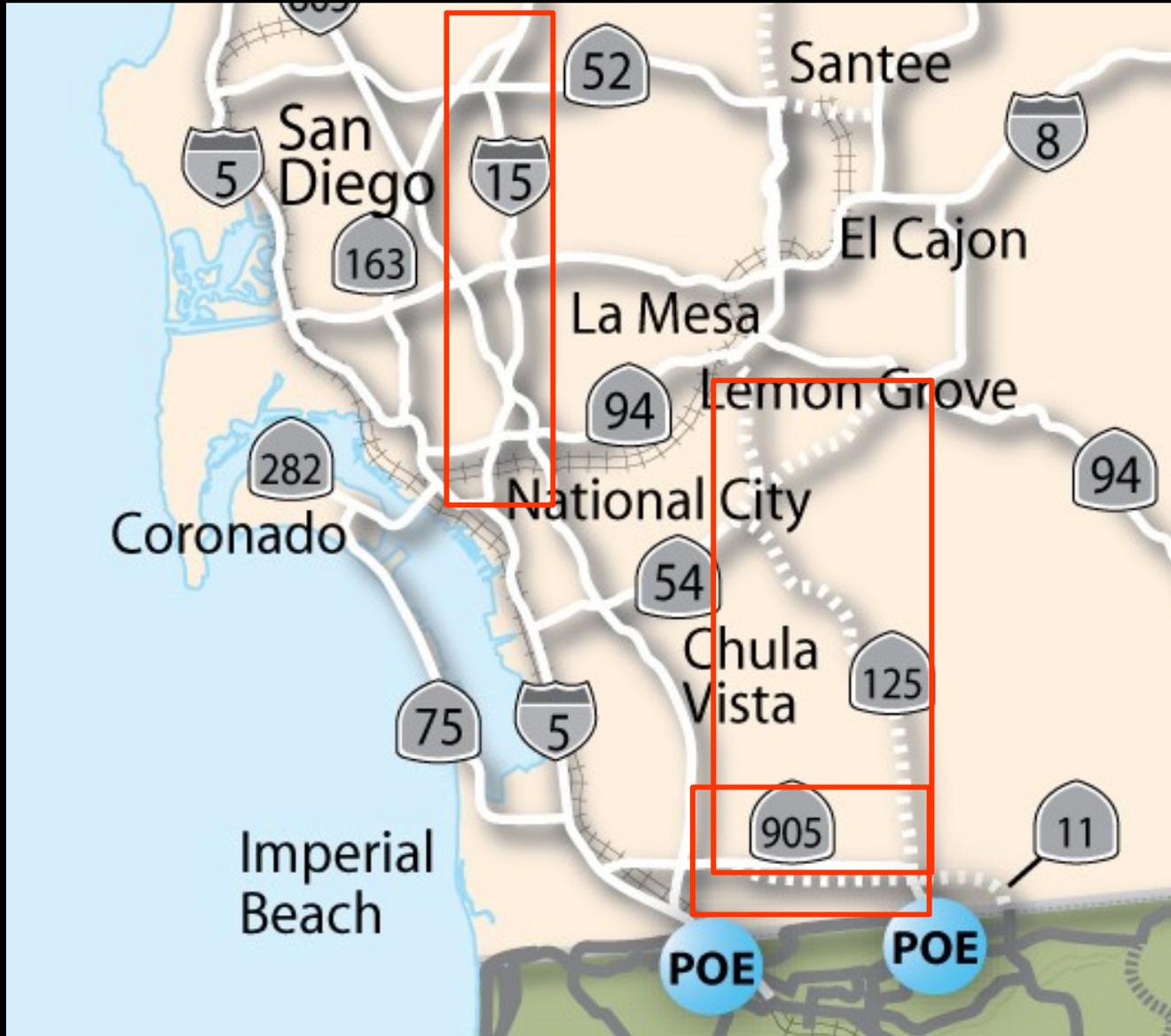
Benefits from this project include alleviating impacts on local traffic and commercial businesses.

### Cost & Schedule:

Southbound truck project is estimated at \$16.9 million with a shortfall of \$15.2 million.

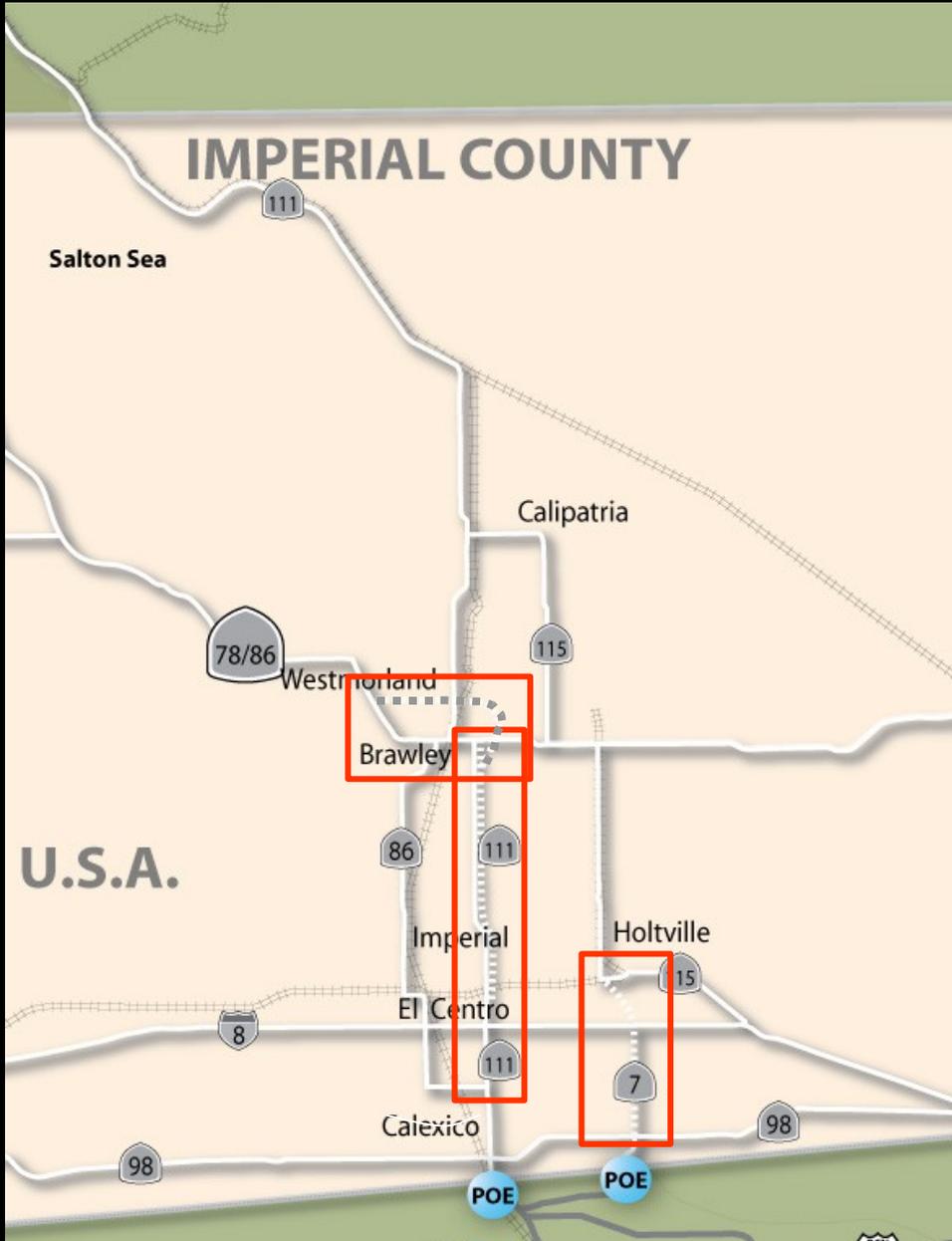


# Projects



SR-905  
SR-125  
I-15

# Projects



SR-7

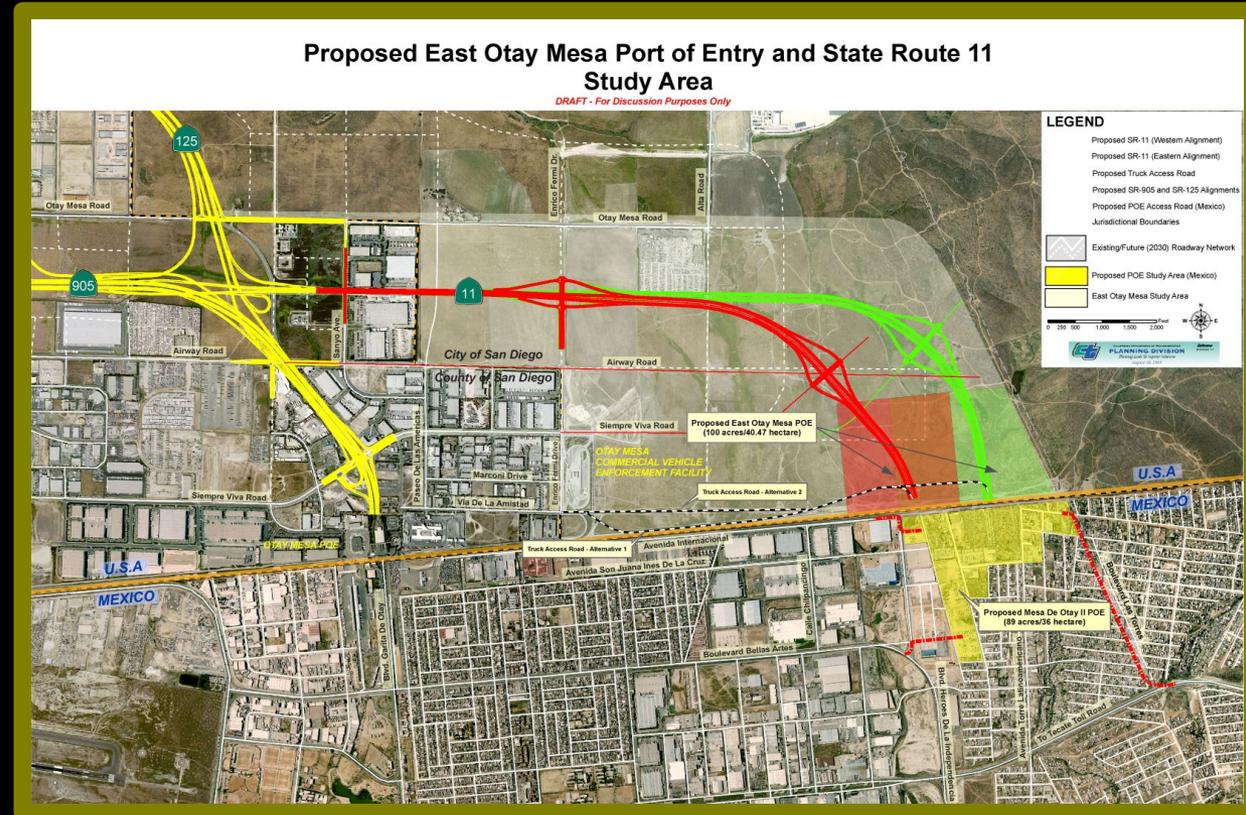
SR-111

Brawley Bypass

# New Binational Project at Otay Mesa East/Mesa de Otay II

## The Project

- SR-11
- US POE
- Mexican POE
- Connector from POE to Tijuana-Tecate Toll Road



**Potential Cost: \$338-557 million**

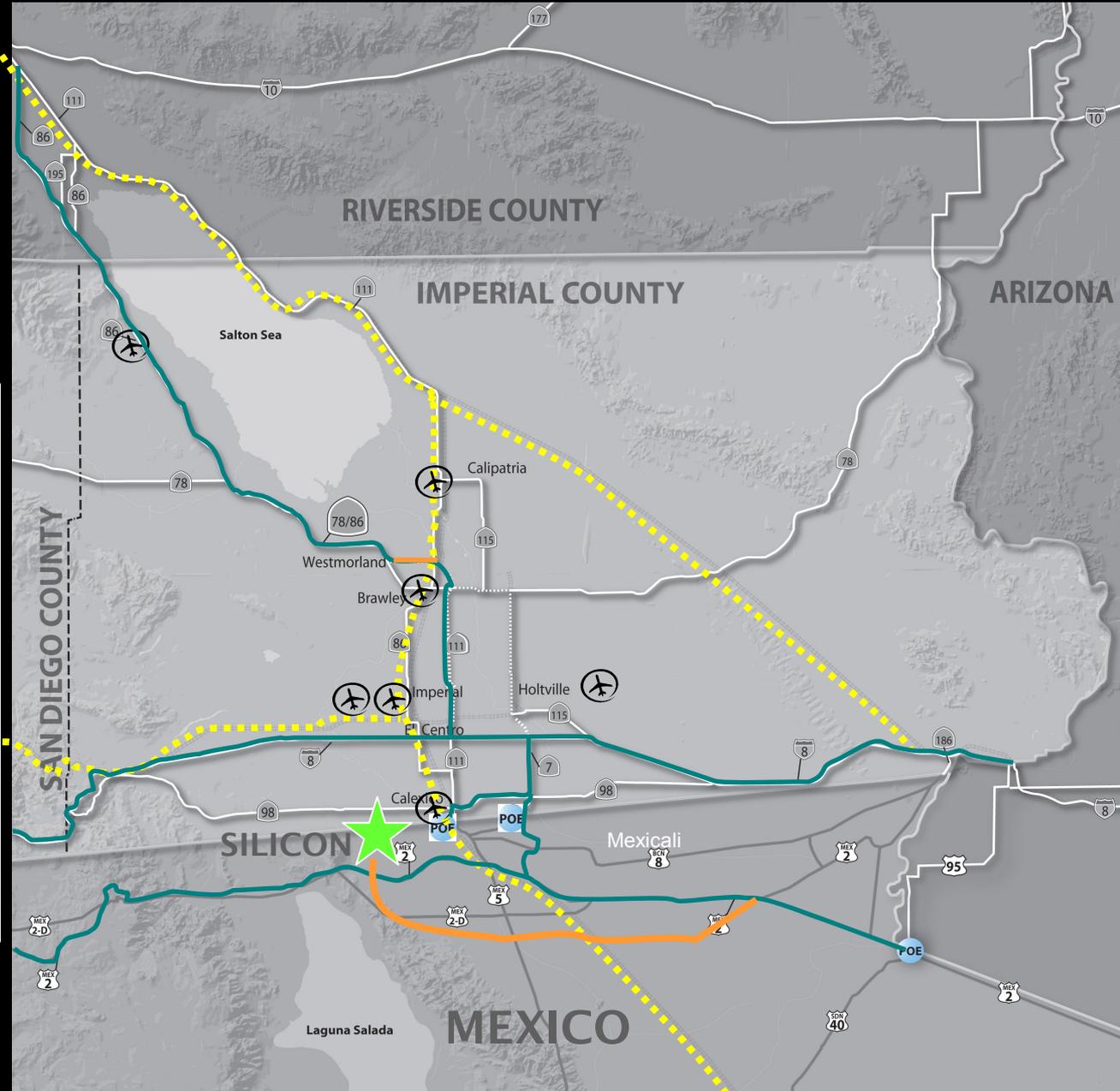
**Available: \$ 8 million**

**Needed: \$330-549 million**

# Calexico/Mexicali New Proposed Crossing

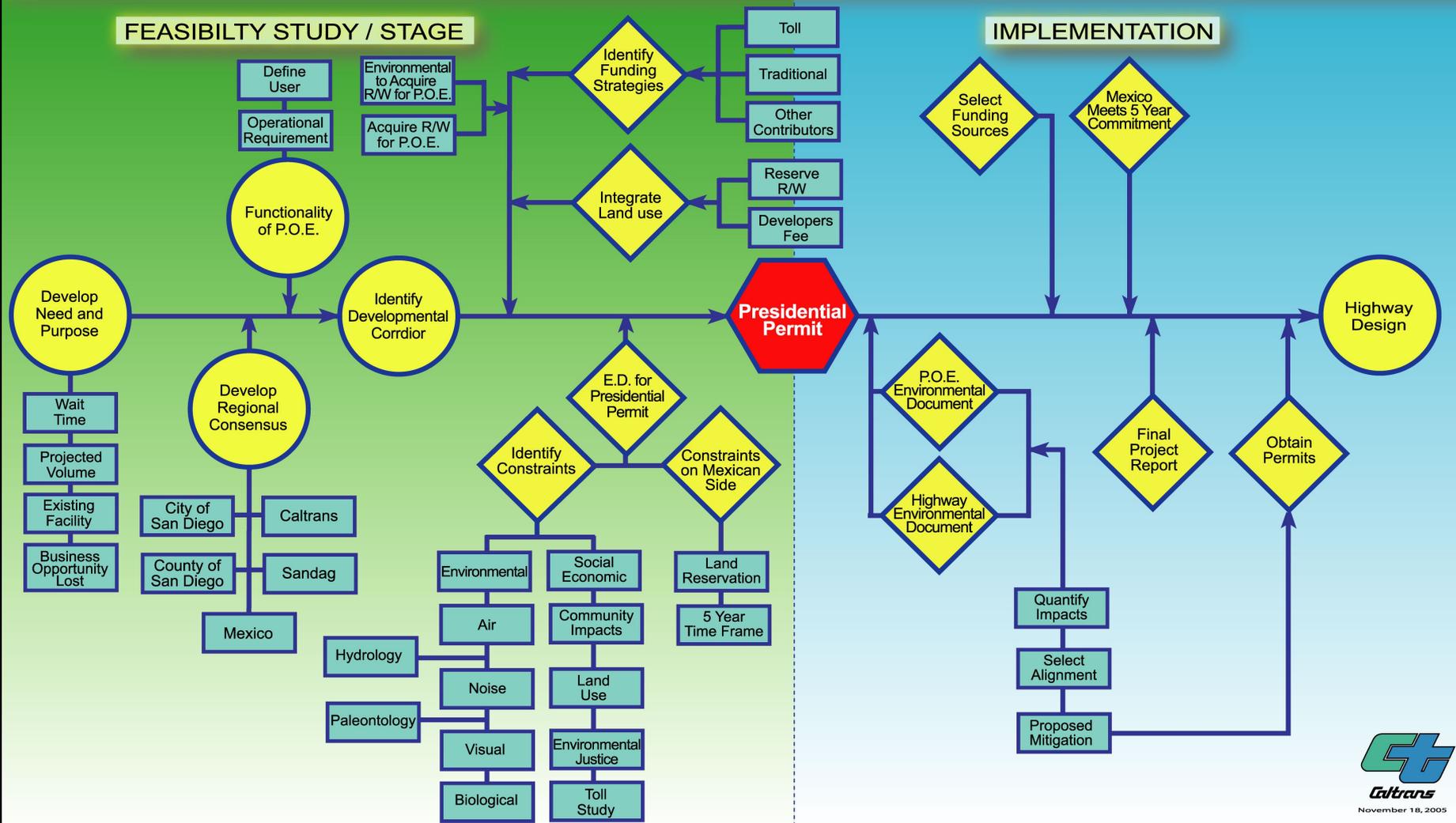
## Existing & Planned Transportation Infrastructure

	POEs	
	Highways	
	• Existing Network	
	• Planned Network	
	Rail	
	Airports	



# New Otay Mesa East/ New Silicon POE Challenges

## PROCESS FOR NEW P.O.E.



# Challenges/Funding

## Sources

### Traditional

- STIP
- Sales Tax
- Local

### New

- SAFETEA-LU
  - Corridor Border
  - Infrastructure Program
  - Funding
    - California Share \$106m
- Innovative Financing

# Challenges/Binational Coordination

- Institutional and Political Processes
- Multiplicity of Involved Governmental Agencies
- Different Political/Financial Horizon Years

# Overall Objective

How Can Transportation Support Efficient  
Cross-Border Movements of Goods  
Without Sacrificing Security?

# New Vision for the Border

- New Border Vision
- Seamless Border (European Example)
- Secure Manufacturing
- Secured Points of Origin/Transport Corridors

