



SANDAG RFIC

Binational Blue Line Extension Concept

Showcase Event and Community Fair
Sunday, October 9, 2022

Project Concept

Cordoba team's proposed concept offers a holistic and comprehensive approach to modernize mobility in the Cali-Baja region by mitigating congestion at the border, uplifting our North American competitiveness, and significantly improving the quality of life for the Cali-Baja region.

The goal of the Binational Transit Solutions Partners is to team with SANDAG, the public, and all stakeholders in the Cali-Baja region to execute our proposed innovative concept in the next 10 years and transform our future by meeting the goals of SANDAG's Regional Transportation Plan and the Five Big Moves.

Proposed Concept Elements

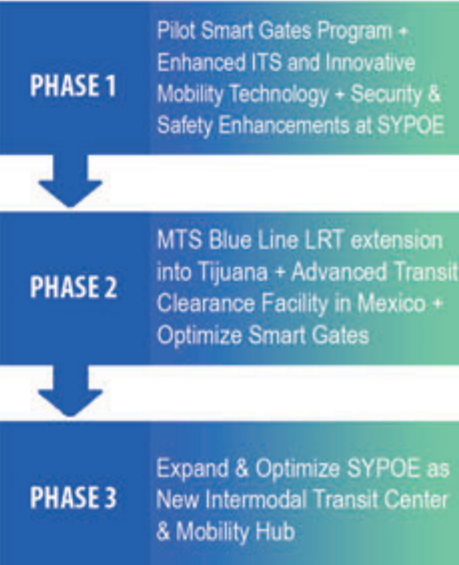
- **Elevated guideway** for LRT to continue the MTS Blue Line LRT for 1 mile from the San Ysidro Transit Center to Tijuana, Mexico. The cost of the ride is estimated at \$6-\$8. We project 4.7 million passengers the first 2 years of operation.
- **Advanced Transit Clearance Facility (ATCF) with the Smart Gates System** in Tijuana that can process passengers every 10-15 seconds, and interface with Customs and Border Protection (CBP) to provide advance notification of the Trusted Traveler boarding the trolley.
- **ITS (Intelligent Transportation Solutions)** and Next OS integration at the SYPOE to optimize lanes for more efficient and faster crossings.
- **San Ysidro Intermodal Transit Center and Mobility Hub** that will interface with CBP facilities to optimize security, safety, and accessibility for all travelers entering the United States with enhanced amenities, people centered design, and commercial and institutional uses that will promote urban revitalization and transit network integration.



Average Border Wait Times

Average wait time without project	72 min.
Average wait time with project	18 min.
Average reduction	54 min.

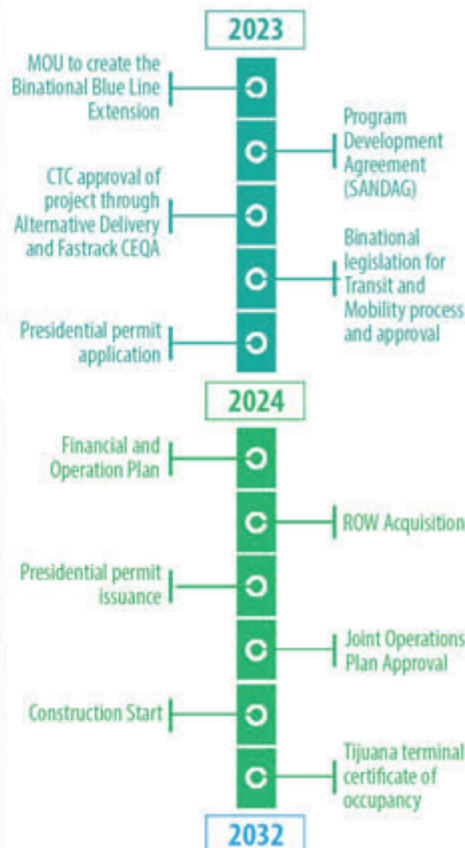
Phased Approach to Mitigate Border Congestion



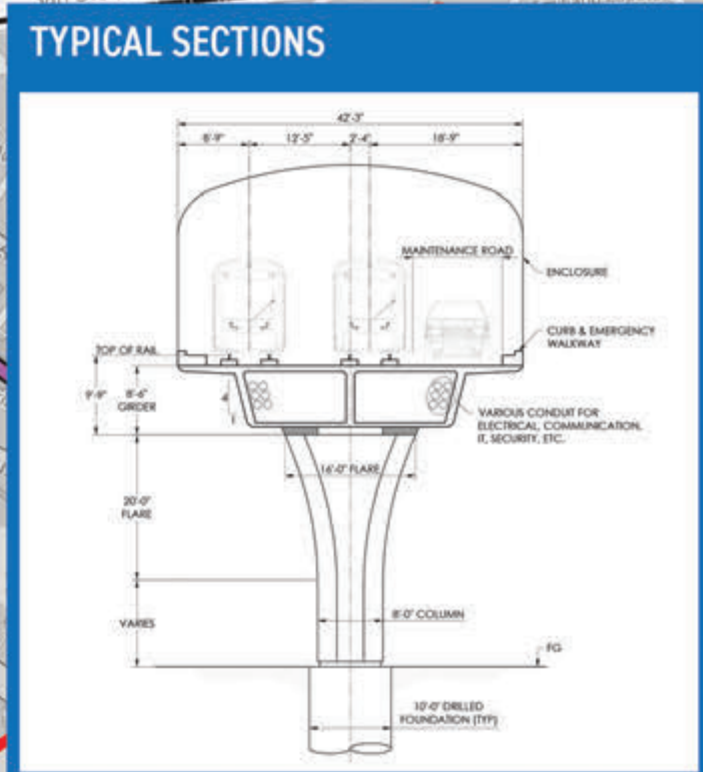
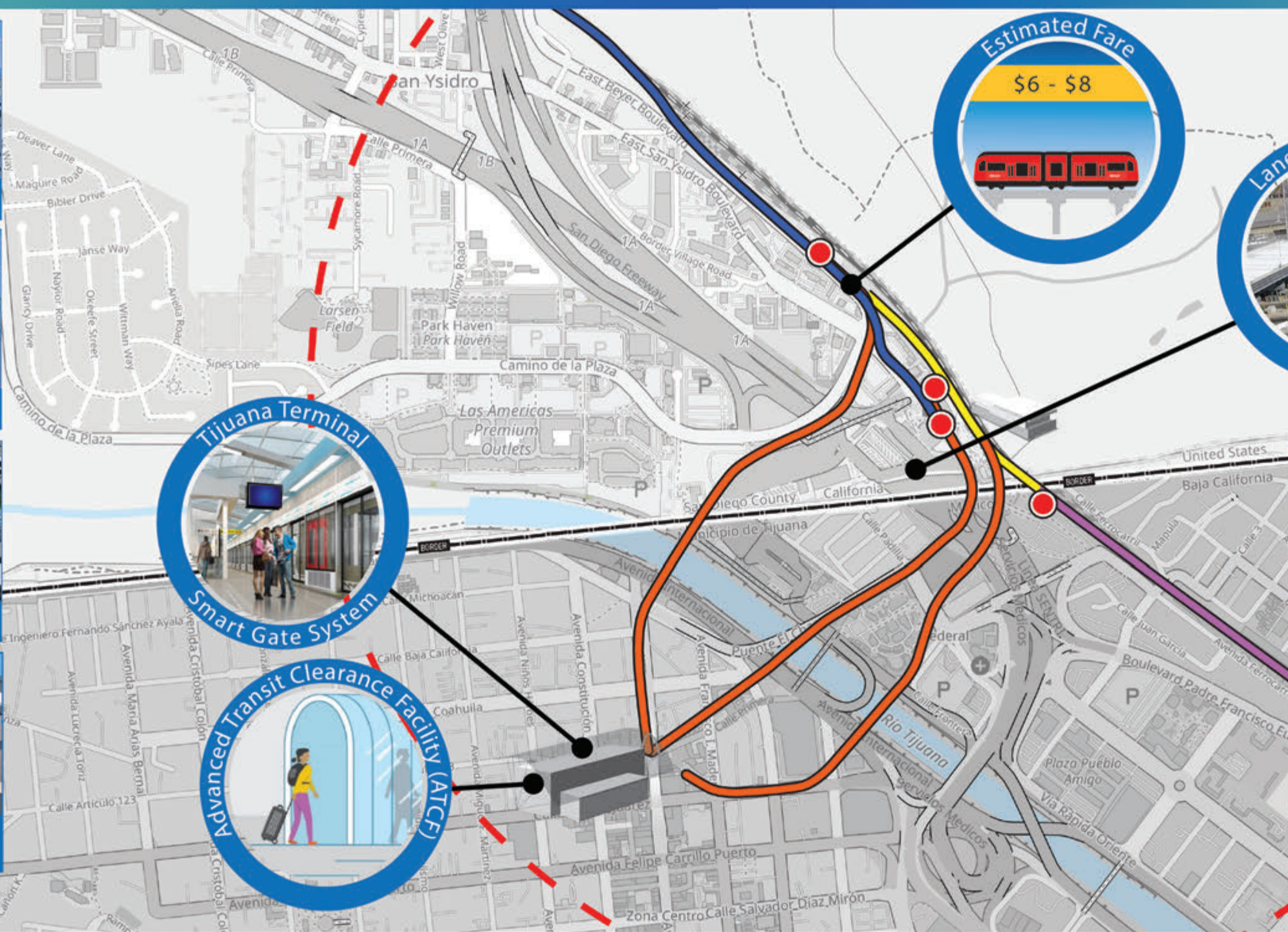
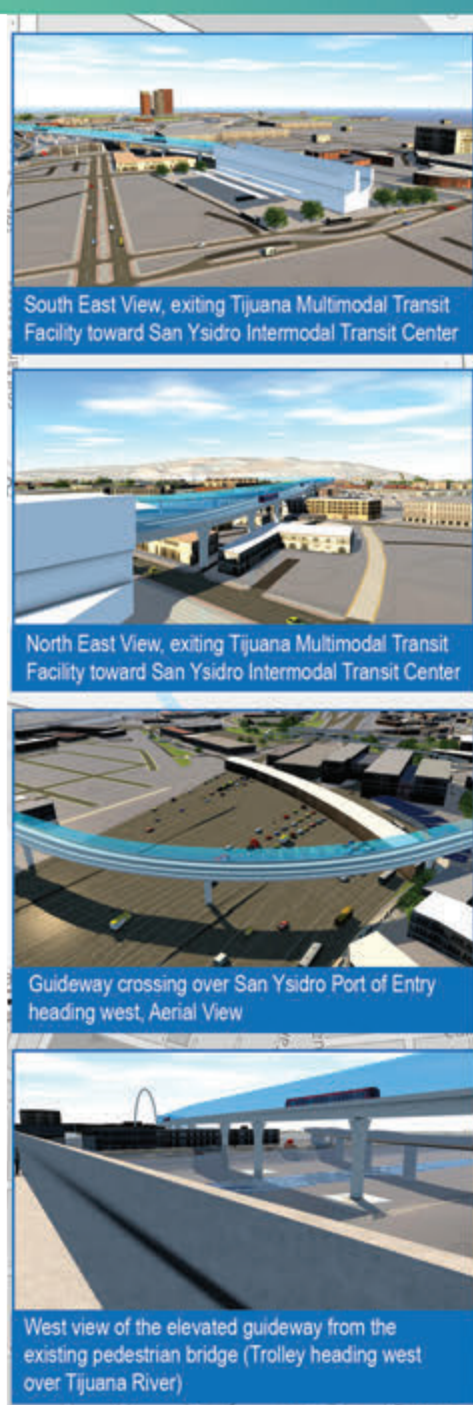
Holistic Solution to Address Transportation Challenges at the US - Mexico Border



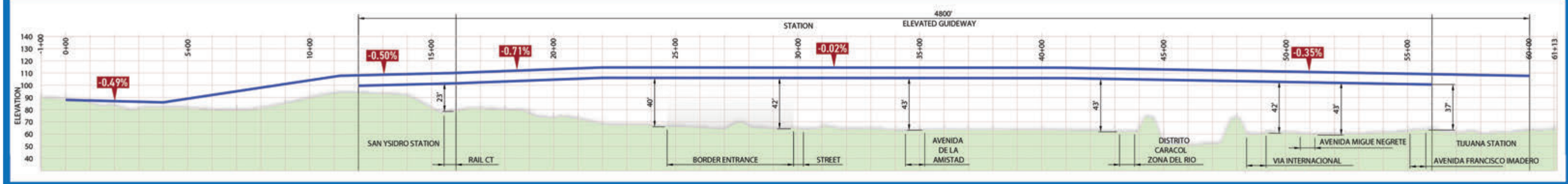
Milestone Goals



Project Features



GUIDEWAY PROFILE



Stakeholder Engagement

We will require the commitment and project ownership of all stakeholders to achieve this transformative vision, including transit riders and the entire Cali-Baja community.

We look forward to working together with our partners in the US and Mexico to **plan, **design**, and **finance** this project.**



PLAN

ITS & Network Integration,
Binational Stakeholder
Engagement,
Planning Integration:
Sky Train, Border Master
Plan, San Ysidro Intermodal
Center Study



DESIGN

Fast Track Alternative Delivery,
CAPDash Environmental
Monitoring System,
San Diego-Tijuana World
Design Capital
"Legacy Project"



FINANCE

P3 Finance Opportunity,
Grant Support, Revenue
Generating Opportunities

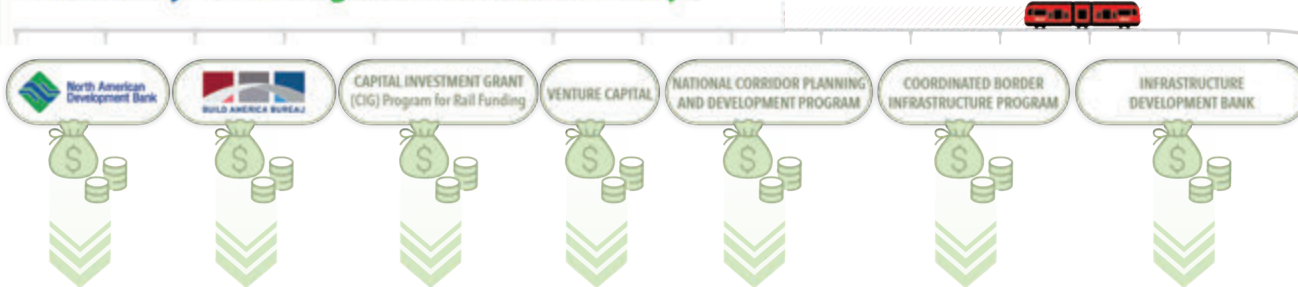
Concept Support

There is encouraging support from key stakeholders at all levels of government in the United States and Mexico, to further explore our concept. Thus far, the concept has been socialized with:

- Metropolitan Transit System (MTS), SANDAG, and Caltrans in San Diego and IMPLAN and the Secretary of Mobility in Tijuana, MX
- U.S. Customs and Border Protection – Department of Homeland Security (CBP/ DHS) and General Services Administration (GSA)
- State of Baja California, Secretary of Economic Development & Innovation, Instituto de Movilidad Sustentable (IMOS), Secretaria de Relaciones Exteriores (SRE) and Aduanas in Mexico
- California Transportation Commission (CTC)

Project Funding

Guideway - Funding (Alternative delivery)



- Federal & State Grants
- Private Investors
- MTS as Operator Concessionaire
- US / MX Procurement Packages



International Terminal (Tijuana) / Intermodal Station (San Ysidro) - Funding Opportunities

Capital

- Public - City / State / Federal Grants
- Private Investment
- Commercial Concession - CETRAM
- Banobras / NADBank

Maintenance & Operations

- Value Capture District - Urban Revitalization
- MTS as Operator / Contractor
- Public / Private Agency Concession
- Fare and Commercial Revenues

Accelerated and Alternative Delivery to Achieve Project Execution in 10 years

INTEGRATED GOVERNANCE STRUCTURE US / MEXICO / SANDAG

- Integrated Planning
- Stakeholder Engagement
- Binational Project Approvals
- Fast-Track Environmental clearance
- US & Mexico Procurement Packages

INNOVATIVE FUNDING

- P3
- Grants
- Private Investment
- Banobras / NADBank
- Value Capture District
- Fare & Commercial Revenues
- Public / Private Agency Concession

INTELLIGENT TRANSPORTATION SOLUTIONS

- Smart Gates System
- Automated Passport Control
- Advanced Passenger Information
- Inspection Technology
- Video Detection
- Data Analytics
- Biometric Face Recognition
- Dynamic Lane Management



SMART GATE SYSTEM

Proven Technologies for SYPOE | INNOVATIVE SMART GATES

- Innovative Smart Gates Pilot Program at SYPOE
- Introducing (Dubai Airport) Smart Gates solution for Passport Control
- Biometric Data for Trusted Travelers from Baja California
- Next Generation Automated Passport Control (APC) connects with Advance Passenger Information System (APIS) data base

Ridership Projections

Years in Operation	Annual Riderships	Daily Average Riderships
1-3 years	4.7 million pax	28,600
4-7 years	6.6 million pax	39,700
8-12 years	10.3 million pax	62,400



FASTER: 10 seconds per passenger
EFFICIENT: Automated System that expedites entry process

Project Need



Busiest international Land Border Crossing in the world



7.1 million residents and a labor force of 3.8 million



150,000 US citizens and permanent residents cross daily



Combined economy of \$250 billion and \$70 billion in binational trade



Idling vehicles cause detrimental GHG emissions



Border delays cost us \$5 billion per year and a loss of 97,000 jobs

30,000 pedestrians use the Trolley everyday for various destinations within San Diego county to reach centers of employment, commerce, and education.

Project goal is to shift another 10-15% of current vehicular traffic to Trolley passengers.

Project Benefits

- 1 Improved quality of life for the Cali-Baja Region
- 2 Reduced Border Wait Times
- 3 GHG Reduction and Improved Public Health
- 4 Enhanced Safety & Security at the US-Mexico Border
- 5 Economic Development and Workforce benefits
- 6 Model for strengthened US-Mexico relations
- 7 World Design Capital Legacy Project potential

Beneficiaries

- North America
- 150 K Binational Commuters
- US Citizens & Permanent Residents
- Economic / Workforce / Student Base
- Private and Public Employers
- MTS
- PASHA
- SANDAG
- CBP
- Port of San Diego
- County of San Diego
- Naval Base San Diego
- Cities of National City, Imperial Beach, San Ysidro, Chula Vista, Coronado, San Diego, Tijuana, Tecate, Rosarito, Ensenada

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Project Team



Stakeholders



#SANDAG #SANDAGINNOVATES