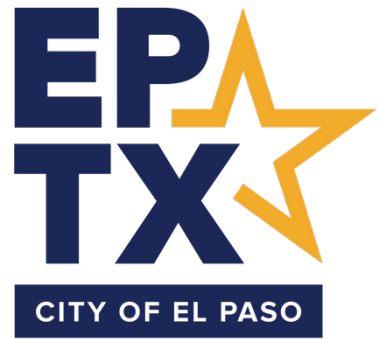


ITS at International Ports to Reduce Emissions Project

FY24 STIC GRANT APPLICATION





STRATEGIC PLAN

Goal 7: Enhance and sustain
El Paso's infrastructure network



Overview

- Texas Innovation Invitational 2024
- STAR Award
- FY24 STIC Grant
- Budget
- Grant Timeline
- Council Action





INNOVATION INVITATIONAL

July 29-31 | San Antonio, TX



Team El Paso

Utilizing ITS at International Ports to Reduce Emissions

Omar Martinez, Valeria Aguirre Holguin, Jasmin Flores, Anna Zendt
Strategic and Legislative Affairs & Capital Improvement
City of El Paso

Focus Area: Connectivity (including Freight)

Technology Areas: Intelligent Transportation Systems

Project Partners: City of El Paso, TxDOT, Texas A&M Transportation Institute, El Paso MPO, UTEP

Challenge Definition



Reduce Congestion

Mitigate truck traffic with border wait time information.



Improve Air Quality

Lower PM2.5 and NO2 emissions from idling trucks.



Enhance Community Health

Reduce disparate impacts of respiratory diseases.

Innovation and Technology Solutions

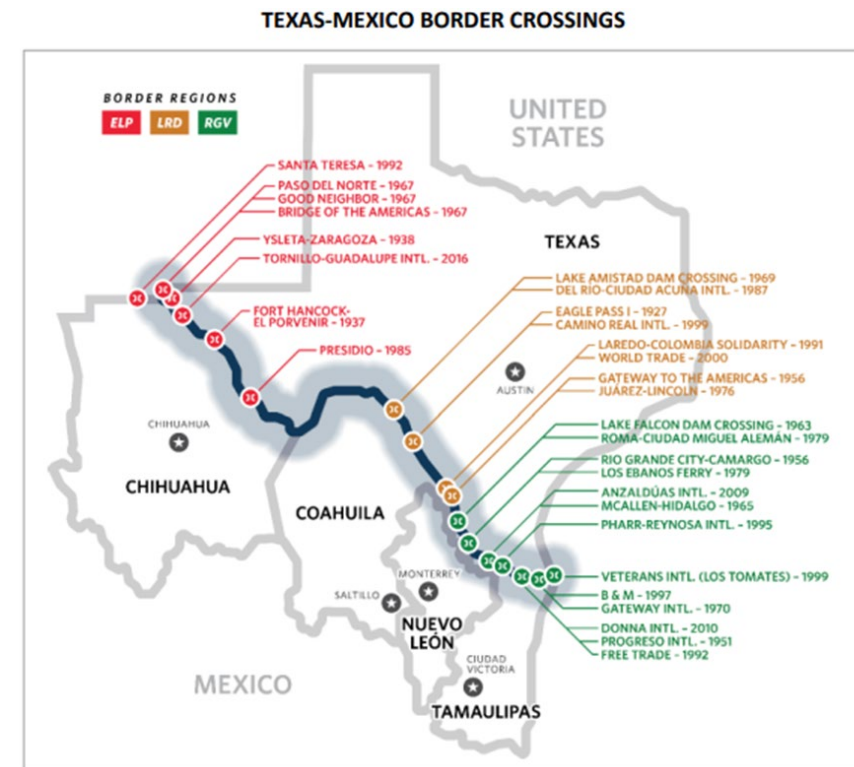
- ITS on ports of entry
- Installing low-cost emission sensors
- Data sharing with local, state, and federal partners

Impact and Performance Measures

- Meeting emissions standards
- Public health outcomes
- National commercial traffic

Scalability

- ITS and emissions sensors can be replicated along every land port in the U.S. –Mexico border





INNOVATION INVITATIONAL

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STAR Award 2024

Smart Transportation and Advanced Roadways

Showcasing teams:

Team Austin

Team Bryan-College Station

Team El Paso ★

Team Fort Worth

Team Permian Basin

Team San Antonio

Team San Marcos

Team Tyler





STIC

The Federal Highway Administration (FHWA) State Transportation Innovation Council (STIC) Incentive program provides resources to help STICs foster a culture for innovation and make innovations standard practice in their States.

Program Funding

- \$5.4 million per Federal fiscal year available
- **\$125,000** per State per Federal fiscal allowed
- 20% match required
- Match will come from TxDOT (TIA award)

Project Budget

Task	Description	Amount
1	Project Management/Reporting (Mid-year/End-of-year Reports)	\$25,000
2	Identify Sensor/Equipment for retrofit/install	\$35,000
3	Obtain/Set up user interface	\$25,000
4	Pilot/ Operations	\$25,000
5	Outreach (Regional/State/National) Present progress at Member Meetings	\$10,000
6	Final Report	\$5,000
	Total	\$125,000

- 20% match from TXDOT
- No additional City match is required

Grant Development Timeline



Council Action

Discussion and action on a Resolution authorizing the submission of an application to the U.S. Department of Transportation (USDOT) Federal Highway Administration (FHWA) Fiscal Year (FY) 2024 State Transportation Innovation Council Incentive program (STIC) **requesting funds in the amount of \$125,000.00**, with 20% match required and provided by the Texas Department of Transportation (TxDOT), **and with no additional match required from the City**, for the implementation of Intelligent Transportation Systems (ITS) including low-cost emissions sensors at international ports of entry.





Mission

Deliver exceptional services to support a high quality of life and place for our community



Values

Integrity, **R**espect, **E**xcellence,
Accountability, **P**eople



Vision

Develop a vibrant regional economy, safe and beautiful neighborhoods and exceptional recreational, cultural and educational opportunities powered by a high performing government

