Advanced Recognition Systems

Cross Border Commerce, Safety, and Security

Benji Hutchinson
Vice President of Federal Operations
Washington, D.C.
Who is NEC?

99,000+ Team Members Worldwide

9 Global R&D Labs

Financial Services & Solutions

64,000+ Patents

US Headquarters In Irving, TX

Leader in Biometrics

TOP 50 Innovative Companies

Orchestrating a brighter world

NEC Since 1899

Leader in Biometrics

TOP 50 Innovative Companies

Orchestrating a brighter world

NEC
NEC’s NeoFace face recognition research began in 1989.

Design Objectives:
- Greatest Accuracy
- Fastest Speed
- Most Tolerant to Environmental, Racial and Behavioural Conditions
- Most Flexible platform on which to build highly capable solutions for society.

NEC continues to invest heavily in face recognition R&D.

NEC’s #1 Performance has been validated by every US NIST test report since 2009!
Global Industry Leader for Law Enforcement, Public Safety, National ID, and Border Management Biometrics Solutions

- More than 200 Large Scale Implementations in Over 30 Countries

Conducting Business in Over 160 Countries

Network of 9 Global Research Labs

5% of Revenue Allocated to Innovation

All North America Public Safety Solutions Are Supported From This COE
Current U.S. Federal Government Accounts

Major Federal Agencies

- U.S. Department of Homeland Security
- Department of State
- Central Intelligence Agency
- Department of Defense

Component Agencies and Programs

- IDENT/HART
  - Biometric Entry & Exit
  - U.S. Immigration and Customs Enforcement
  - Transportation Security Administration

- DIGITUS

- SOCOM Sensitive Site Exploitation

- Veteran’s Affairs
  - Vetting Technology
The Department of State (DOS) International Narcotics and Law Enforcement (INL) Mexico division seeks to enhance and centralize the Government of Mexico’s (GOMs) existing biometric systems with an enhanced, scalable, modular and multimodal system to be known as Digitus.

NECAM provides the multimodal biometric matching system including face, fingerprint, palm, and iris for 15 million identities. 

*Will scale to 200 million identities!*
Use Case:
Photographs of passengers boarding an international flight are searched against the CBP flight manifest.
NEC Experience: NeoFace Express in CBP U.S. EXIT Program

NEC’s NeoFace Express currently is being tested in the U.S. EXIT Program Pilots:

- Installed and operational at Atlanta Hartsfield, Chicago O’Hare, Washington Dulles, and McCarran (Las Vegas) International Airports and George Bush (Houston) Intercontinental Airport.
- NeoFace Express rolled out to a total of nine major U.S. airports before 1/2018.

### NeoFace Express at CBP U.S. EXIT:

- Provides facial recognition rated No. 1 by NIST.
- Expedites passenger flow at departure and immigration gates.
- Performs one-to-few (1:1) matching.
- Provides local and cloud database matching.
- Integrates with airline boarding pass scanner systems.

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**New facial-recognition technology deployed at Bush**

HOUSTON – Certain international travelers leaving George Bush Intercontinental Airport are going through an extra security check before boarding their plane.


(Please use link to view video or text report.)
NECAM Technology Deployed with DHS CBP and ICE

**Air Entry/Exit at JFK Airport**
- Air Entry
- Expedited passenger processing
- NeoFace performs 1:1 match with picture on passport chip
- Worked with CBP through Unisys

**1000 NeoScan45 Mobile Biometric Devices**
- Supports mission of smart immigration enforcement, preventing terrorism and combating the illegal movement of people and trade.

**Pedestrian Exit Pilot – Otay Mesa, CA**
- Pilot effort to determine viability of combining a secure credential with face and iris recognition for safe, legal, secure, and quick border crossing
- Worked with Unisys
Challenges of Ensuring Commerce and Security
Pre-Verify Lanes for Foot Traffic

Real Time Surveillance & Watchlist Monitoring

People Counting & Crowd Estimation

Face Recognition
- Compares driver’s face with ID
- Verify Credential

Detect anomalies before approach
- Advanced analytics in combination with past entry and exit events can send an alert upon approach
- Automatically allow pre-vetted individuals to pass with valid credential

Save time and Money
- Make it easier to cross the border for individuals
- Behavior analysis and automated decision technology
- Less man-hours vetting information
- More secure vetting
- Video analytics to alert to crowd sizes, line wait times, and potential threats
Pre-Verify Lanes for Commercial Truck Traffic

Face Recognition
- Compares driver’s face with ID
- Verify Credential

Vehicle Verification
- Pre-register vehicle type, license plate, driver
- Detect vehicle upon arrival
- Manifest retrieved and compared

Detect anomalies before approach
- Advanced analytics in combination with manifest and background check warns of approaching anomalous vehicles

License Plate + Vehicle + Face + Background
NEC Border Complimentary Technologies

NEC offers sensor, communication, and edge processing technology that can be integrated into new and existing infrastructure.

Video surveillance and analytics systems
- Object detection (day/night)
- Facial recognition
- Atmospheric corrections
- Complex analytics solution
- Cameras and surveillance solutions

Sensors and communication
- Paso-link/mobile communication
- Sensors and edge processors

Land border crossing solutions
- ABC gates
- Vehicle passage solutions
Intelligent Intrusion Detection Solution Overview

- Detection Scheme:
  - Vibration by distance
  - Video surveillance
  - Voice source detection
  - Ultra-sound motion detection
  - Siren flash light warning
  - Speaker

- Early Detection
- Fast Response
- Prevention

- Devices:
  - Fiber Sensor
  - DVS/DAS Interrogator
  - Video Camera
  - Video Security
  - Voice Detector
  - Sound Tracking & Detecting
  - Ultra-sound Detection
  - Weather station
  - Siren Flash Light
  - Speaker
  - Fiber Sensor
  - DVS/DAS Interrogator
  - Video Camera
  - Video Security
  - Voice Detector
  - Sound Tracking & Detecting
  - Ultra-sound Detection
  - Weather station
  - Siren Flash Light
  - Speaker

- Areas:
  - Edge Computing Node
  - Cloud Control & Command Center
  - Intruder
  - Early Detection

- Systems:
  - Fence cable
  - Wall mounted cable
  - Acoustic signal enhancement
  - Buried cable

- Components:
  - Temperature, wind speed, humidity, etc.
Security Checkpoint/Immigration

Japan Biometric Immigrations System
- Automated Exit and Portable Kiosks
- Identification upon Entry to Japan using Fingerprint and Facial recognition
- 27K/day searches against 1M watch list

Singapore Automated Clearance System
- Immigration system that uses automated gates
- Facial and Fingerprint border control system
- 99.5% availability
- < 10 second response – 70,000 transaction/day

NEC ABC Solution in Macau
- Entertainment capital of Asia
- 27M visitors to Macau
- Deployed ABC gate and kiosks using facial recognition and fingerprint
Keynote Speaker Announcement

AFIS Internet User’s Group and NEC is pleased to announce that Tom Ridge, First Secretary of U.S. Department of Homeland Security, Former Governor of Pennsylvania, and Chairman, Ridge Global will be our featured keynote speaker at the 32nd Annual AFIS Internet User’s Conference on Monday, August 27. Mr. Ridge will talk about trends and the evolution of our country’s security profile, the role he sees technology playing in securing our borders and how he sees that impacting local and regional public safety officers and investigators.

Tom Ridge is the CEO of Ridge Global, LLC. As the company’s chief executive, Ridge leads a team of international experts that help businesses and governments address a range of needs throughout their organizations, including security and infrastructure protection, emergency preparedness and response, energy, strategic growth, maritime management and other issues that encompass a diverse portfolio. He also serves as chairman of Ridge Insurance Solutions Company, which he launched in October 2014 partnering with five Lloyds of London syndicates to provide an innovative cyber insurance offering designed to
Summary and Conclusion

NEC technology for border crossing is...

- #1 best in class performance
- Fast and Efficient
- Accurate and Reliable
- Frictionless and Convenient

NEC has a proven track record as a trusted technology provider to State, Local, Federal, and Commercial customers.

Thank You!
Questions?
Empowering the Smart Enterprise

REALIZE YOUR CONNECTED POTENTIAL
TEXAS BORDER STRATEGIC TRANSPORTATION BLUEPRINT

Border Trade Advisory Committee
Austin, Texas

July 24, 2018
Texas Border Strategic Transportation Blueprint

- The **Texas Border Strategic Transportation Blueprint** is the framework for addressing Texas-Mexico border and serving trade corridor needs.

- The Blueprint is the first planning effort that outlines a single vision for the state’s border crossings and the trade transportation network that serves the Texas-Mexico border.

- The Blueprint is a coordinated effort of the BTAC and the TxDOT to develop a framework for addressing Texas-Mexico border crossings and trade transportation corridor needs.

- **Vision Statement:** To collaboratively foster integrated and efficient binational/global trade across the Texas-Mexico border and to promote economic development that benefits the border region, Texas, and the United States.

- **Mission Statement:** To develop and implement a trade, economic development, and transportation strategy and public policy that facilitates U.S.-Mexico border trade, creates efficient corridors, and enhances the economies of the Texas border region, the state, and the nation.
Recommendation #1: Establish a Texas-Mexico Trade Transportation Task Force

Recommendation #2: Develop a Texas Trade Lanes Program

Recommendation #3: Develop a Public Awareness & Education Program

Recommendation #4: Implement Technology & Innovative Border Strategies

Recommendation #5: Foster Public Sector Involvement
Texas Border Strategic Transportation Blueprint

- Recommendations (April 18, 2018):
  - Develop a comprehensive and unified vision for the Texas border among members of the border community
  - Identify binational public and private stakeholders for participation in Blueprint efforts
  - Identify existing funding programs and established processes
  - Develop documents for support of the Public Awareness and Education Program
  - Identify existing case studies and develop alternative efforts to Implement Technology & Innovative Border Strategies
  - Identify strategies to include private sector in recommendations
Establish a Texas-Mexico Trade Transportation Task Force

Develop a Texas Trade Lanes Program

Develop a Public Awareness & Education Program

Implement Technology & Innovative Binational Border Strategies

Foster Private Sector Involvement
ESTABLISH A TEXAS-MEXICO TRADE TRANSPORTATION TASK FORCE

Blueprint: Recommendation #1
Rec #1 - Establish a TX-MX Trade Transportation Task Force

- Purpose of the call was to discuss proposed taskforce members and update schedule to implement the taskforce and meetings

- The following items were discussed:
  - Task Force Members (proposed)
  - Revised schedule for implementation
  - Existing MOUs between TX and MX
  - Next action items
Rec #1 - Establish a TX-MX Trade Transportation Task Force

Goal:

- To serve as a forum for bi-lateral communication, coordination, and collaboration between Texas and Mexico on cross-border trade transportation including planning, programming, implementation, and economic development

Objectives:

- Promote and improve bilateral cooperation, integration, and partnerships to address cross-border trade and transportation infrastructure issues.

- Facilitate the communication among agencies responsible for border transportation planning and implementation within U.S. and Mexican federal, state, regional, and local agencies.

- Facilitate bilateral data collection, sharing, and analysis to identify cross-border trade transportation needs and investment strategies.
## Identification of Task Force Members:

<table>
<thead>
<tr>
<th>Proposed Members from Texas</th>
<th>Proposed Members from Mexico</th>
<th>Potential Ex Officio Members</th>
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<tr>
<td>Texas Secretary of State Office</td>
<td>Secretary of Communication and Transportation (SCT)</td>
<td>US Customs &amp; Border Protection</td>
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<td>TxDOT ADM</td>
<td>Secretary of Foreign Affairs (SRE)</td>
<td>US and Mexico Consuls</td>
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<td>TxDOT Freight and International Trade</td>
<td>Tax Administration (SAT)</td>
<td>US Department of Transportation</td>
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<td>Economic Development Division, Texas Governor’s Office</td>
<td>Representatives from Chihuahua, Coahuila, Nuevo Leon, and Tamaulipas</td>
<td>US State Department</td>
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<tr>
<td>A representatives from each Texas border region (El Paso, Laredo, Pharr)</td>
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<td>Texas-Mexico Trade Coalition (TAB)</td>
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<td>Railroads (UP, KCS, BNSF)</td>
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</tbody>
</table>
Rec #1 - Establish a TX-MX Trade Transportation Task Force

Revised Timeline:

- December 2018 – Inauguration of Mexican President
- Jan – Feb, 2019 – Appointments of Mexican Secretaries and staff positions
- Feb - March 2019 – Notification of Task Force Members
- April 2019 – Initial Meeting (Austin)
  – Meetings would alternate between TX and MX
Rec #1 - Establish a TX-MX Trade Transportation Task Force

Other Efforts:

- **Established Agreements:**
  - Currently two agreements in place
    - Agreement for Regional Progress
    - Letter of Intent

- **Action Items**
  - Identify members from approved agency list
  - Development of Mission, Goals, and Objectives
  - Development or modification of agreements as needed
Purpose of the call was to discuss development of a Trade Lanes Program

The following items were discussed:

- Review of TXDOT Clear Lanes Program
- Review of Coordinated Border Infrastructure (CBI) and Rider 11B Programs
- Identification of TxDOT District projects and needs
- Development of a Trade Lanes Program
- Next Action Items
Rec #2 – Develop a Texas Trade Lanes Program

- The Texas Clear Lanes Program was created as a “focused initiative to identify and address the state's most congested chokepoints...to get roads built swiftly and effectively...“

- The Clear Lanes Program targets congestion relief projects in Texas's five largest metropolitan regions: Austin, Dallas, Fort Worth, Houston, and San Antonio

- Development of Clear Lanes Program:
  - Initiative from the Governor
  - Creation of an Internal TxDOT Task Force
  - Listening tour to receive public input
  - Identification of regional projects
  - Project selection
  - Project funding

- More than $1.3 B has been directed to address congestion issues
Rec #2 – Develop a Texas Trade Lanes Program

- Coordinated Border Infrastructure (CBI) Program
  - States may use funds on the border region
  - For Texas, defined as within 50 miles of the border with Mexico
  - Improvements to existing transportation and supporting infrastructure
  - Construction of highways and related safety and safety enforcement facilities related to international trade
  - Operational improvements, including electronic data interchange and telecommunications
  - International coordination of transportation planning, programming, and border operation
Rec #2 – Develop a Texas Trade Lanes Program

- **Rider 11B – Texas Border Infrastructure**
  
  During the 84th Legislative Session, in the Senate Finance Committee Riders, Rider 11B was placed in the Transportation bill pattern of the state budget for 2016-17. Rider 11B is now referred to as the **Border Infrastructure Rider**.

- Texas Border Infrastructure: When allocating state and federal transportation funds to the Department of Transportation’s districts located within 50 miles of the Texas-Mexico Border, out of funds for which the department has the discretion to distribute, the Department of Transportation shall consider factors related to the movement of people and goods through the land border ports of entry within the boundaries of the state, including but not limited to:
  - the number of incoming commercial trucks and railcars,
  - the number of incoming personal motor vehicles and buses,
  - the weight of incoming cargo by commercial trucks, and
  - the number of land border ports of entry.
Rec #2 – Develop a Texas Trade Lanes Program

- Identification of TxDOT District projects and needs:
  - Utilization of the TxDOT 2018 UTP
  - Includes projects in develop, plan, and construct
  - Consideration of the MPO metropolitan transportation plans (2045)
  - Coordinate with port of entry for infrastructure improvements
  - Coordinate with CBP, GSA, FMCSA, and other federal and state agencies
Rec #2 – Develop a Texas Trade Lanes Program

Action Items

- Continue with project identification list
- Identify needed funding
- Discuss project criteria and evaluation
- Discuss next steps in development of a Trade Lanes Program
DEVELOP A PUBLIC AWARENESS & EDUCATION PROGRAM

Blueprint: Recommendation #3
Rec #3 - Develop a Public Awareness & Education Program

- Purpose of the call was to review and discuss the status of identified deliverables within the Public Awareness Program

- The following items were discussed:
  - Del Rio Fact Sheet
  - Social Media Posting(s) – Del Rio
  - Discussion on international trade video
  - Next Action Items
Rec #3 Goals and Objectives:

- Support the efforts of the Border Strategic Transportation Blueprint
- Branding must be consistent across all outreach materials
- Cognizant of the audience and the message
- Provide real time data and information
- Build credibility and maintain consistency among the messages
Rec #3 - Develop a Public Awareness & Education Program

- **Fact Sheets:**
  - **Border Crossings:** 31 fact sheets
    - one for each 13 commercial crossings
    - one for each 13 passenger crossings
    - one for each of the five rail crossings
  - **Customs Districts** – 1 each for El Paso and Laredo Customs Districts
  - **Commodities** – 1 for the top three export and import commodities at each border crossing
  - **Transportation Mode** – 1 for each mode (truck, rail, air, maritime, and pipeline)
  - **Border Related Topics** – 5 fact sheets on various items
Rec #3 - Develop a Public Awareness & Education Program

- Del Rio Fact Sheet
  - Description of the port of entry
  - Northbound crossings and trend information
  - Map of nearby on-system roads
  - Top 5 imports and exports
  - Overall import and export trends
Rec #3 - Develop a Public Awareness & Education Program

- **Social Media Posts:**
  - Material developed for Twitter, Instagram, and Facebook
  - Based on fact sheet information
  - Will include a visual to coincide with social media post

- **Action Items**
  - Continue with development of identified fact sheets
  - Develop social media post utilizing committee member input
  - Meet with Class 1 railroads to discuss development of rail fact sheets
IMPLEMENT TECHNOLOGY & INNOVATIVE BORDER STRATEGIES

Blueprint: Recommendation #4
Purpose of the calls was to discuss identified technology topics

The following items were discussed:
- TX Border Crossing Technology & Innovative Border Process Inventory
- Unified Cargo Processing for Rail
- TX-MX Border Shipment Tracking Technology
- Texas Pipelines
Rec #4 - Implement Technology & Innovative Border Strategies

- White Paper #1 - Develop Texas Border Crossing Technology and Innovative Border Process Inventory
  - Phase 1 will concentrate on commercial crossings (road and rail)
  - Phase 2 will focus on personal vehicle and pedestrian crossings
  - Work effort will include the following:
    - Identify innovative technologies and processes implemented and piloted at the U.S.-Canada border for potential application and consideration at the Texas-Mexico border
    - Communicate with federal stakeholders (i.e. CBP, FMCSA, FRA, Mexican Aduanas, etc.) to identify planned technology deployments, pilots, and innovative processes planned for the short-, medium-, and long-term at Texas-Mexico border crossings
    - Communicate with bridge superintendents at Texas-Mexico border crossings to obtain information on technology investments and process and operation improvements planned for the short-, medium-, and long-terms
    - Develop a Texas Border Crossing Technology and Innovative Border Process Inventory detailing existing and planned technology deployments, pilots, and innovative processes over the short-, medium-, and long-terms
    - Identify opportunities for BTAC to support implementation of technology deployments, pilots and innovative processes
Rec #4 - Implement Technology & Innovative Border Strategies

- **White Paper #2 - Unified Cargo Processing for Rail**
  - Based on two existing case studies in Nogales, AZ and the pilot program in Laredo
  - Identify and review studies on implementing Unified Cargo Processing (UCP) for rail
  - Outreach efforts will be conducted at TXDOT’s request to include CBP, Mexican officials, and the Class 1 railroads to identify ideas and concerns and of UCP rail implementation and technology requirements
  - Interviews with public and private partners and subject matter experts on UCP for rail

**Final content of the white paper will describe benefits of UCP rail to the border trade community, implementation requirements of the program, implementation costs, and proposed implementation steps.**
Rec #4 - Implement Technology & Innovative Border Strategies

- **White Paper #3 - Texas-Mexico Border Shipment Tracking Technologies**
  - Case study: utilizing implementation of shipment tracking technologies in El Paso
  - Identify and review additional studies and information on implementing shipment tracking technologies
  - Interview committee members and other subject matter experts

- **Compiled information will address:**
  - Potential benefits to the trade community
  - Implementation requirements and strategies
  - Estimates of implementation costs
  - Implementation plan
Rec #4 - Implement Technology & Innovative Border Strategies

- **White Paper #4 – Texas’s Pipeline System**
  - Overview of Texas’s existing and planned pipeline network (length, commodities moved, ownership etc.)
  - Pipeline development process
  - Importance of pipelines to the Texas economy
  - Document the pipeline mode share compared to truck or rail
  - Compiled information will address:
    - Pipeline planning and development process
    - Permitting and oversight requirements by U.S. federal and state agencies
    - Identify Mexican agencies involved in the planning and development of pipelines, along with Mexican regulatory process
    - Confidentiality and proprietary of the pipeline network system
FOSTER PRIVATE SECTOR INVOLVEMENT

Blueprint: Recommendation #5
Rec #5 – Foster Private Sector Involvement

- Purpose of the calls was to discuss how to develop an active dialogue between the public and private sectors.
- The following items were discussed:
  - Proposed listening session(s)
  - Identification of invited participants
  - Timeline and schedule of roundtables
  - Additional efforts for consideration
Rec #5 – Foster Private Sector Involvement

- Develop an active dialogue between the public and private sector on border trade related issues
- Regional listening sessions are proposed which will consider all transportation modes for the movement of goods across the border
- Goal is for the public sector to understand what users of the system face on a day-to-day basis
- Focus will be on improving processes that will make the operations at the ports-of-entry more efficient
- Desire for the listening panel to include representatives from the federal, state, and local levels
Participants list will be developed and include:

- U.S. and Mexican customs brokers, shippers, and carriers
- Trucking firms (primarily Mexico)
- Railroads (Texas and Mexico)
- Maquiladoras (Mexico)
- Logistics firms (Texas and Mexico)
- Warehousing and distribution firms (primarily Texas)
- Chambers of commerce, economic development corporations, and industry (Texas and Mexico).

Timeframe will give consideration to Mexican elections and will follow schedule from Rec 1

Consider partnering with private-sector organizations with similar goals
Other items brought up by the committee:

- Cargo processing
- MOUs between the U.S. and Mexico
- Funding of border projects and eligibility in the U.S. and Mexico
Recommendation #1: Establish a Texas-Mexico Trade Transportation Task Force

Recommendation #2: Develop a Texas Trade Lanes Program

Recommendation #3: Develop a Public Awareness & Education Program

Recommendation #4: Implement Technology & Innovative Border Strategies

Recommendation #5: Foster Public Sector Involvement
Next Steps:

1. With BTAC’s concurrence, committees will continue to meet

2. Committees’ input to implementation and next steps of Rec 1 thru Rec 5

3. BTAC champions for development and implementation of Rec 1 thru Rec 5

4. Committees’ review, prioritization, and implementation of identified efforts

5. Committees move forward with implementation of identified priorities
Discussion
Contact Information

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TEXAS – MEXICO BORDER TRANSPORTATION MASTER PLAN UPDATE

Border Trade Advisory Committee

July 24, 2017
The BMP is a binational comprehensive approach to coordinate planning, programming, and implementation of projects

- at border crossings
- support facilities serving the border crossings
- Transportation system

Key components

- Multimodal Transportation System
- Ports of Entry and Support Facilities
- Policies, Programs, and Projects
- Short, Medium, and Long-term investments
Task 1: Project Management Plan

Task 2: Stakeholder Plan

Task 3: Goals and Objectives
PROJECT MANAGEMENT PLAN

Task 1
Project Management Plan Overview

- Guide the development of the TX-MX Border Transportation Master Plan
- Identify Tasks and project team work responsibilities
- Schedule of activities
- Define protocols for communication with binational public and private stakeholders
- Incorporate communications plan that is linked to Task 2 activities
Key Task Deliverables

- Project Management Plan
- Project Schedule
- Communication Plan
  - Progress reports
  - Online Dashboard
- Quality Assurance / Quality Control
# Project Schedule – Draft Timeline (1/2)

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<th>Quarters</th>
<th>Q3 - 2018</th>
<th>Q4 - 2018</th>
<th>Q1 - 2019</th>
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<td>Conduct Benefit-Cost Analysis</td>
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### Task 8: Recommendations & Investment Plan
- Conceptual Alternatives Evaluation
- Feasibility Analysis
- Immediately-Applicable Recommendations
- Medium & Long-Range Recommendations

### Task 9: Implementation Plan
- Implementation Plan for Immediate
- Implementation Plan for Medium & Long Range

### Task 10: Additional Services
- Refinements to Analysis

### Task 11: Final Report, Summary & Brochure
- Brochure
Communications & Correspondence Plan

Strategy
- Identify communication methods
- Support stakeholder engagement
- Provide timely informational updates

Approach
- Develop communication work products
- Create online dashboard
- Maintain master correspondence file
- Utilize methods identified from the Border Strategic Transportation Blueprint
Quality Assurance / Quality Control

Strategy

• Develop QA/QC Plan
• Outline procedures for review and comment of deliverables
• Support stakeholder engagement
• Facilitate quick communication and live updates with State staff
• Product meets the expectations of the public and private partners

Approach

• Establish protocols for development and review of products
• Identify parties and timeframe for review and comment to deliverables
• Review of work product for technical content and quality
• Other areas for work product emphasis?
• Identification or need for additional coordination?
• Categories of “important” dashboard information for your use?
STAKEHOLDER ENGAGEMENT

Task 2
Objectives of the Stakeholder Engagement Plan

- Comprehensive engagement of binational federal, state, and local public and private sector stakeholders
- Define goals, purpose, need and benefits, and process for development of the TX-MX BTMP
- Establish support and sustained stakeholder consensus and acceptance
- Identify border related trade and economic opportunities
- Receive input to support policies, programs and projects at the border regions, state and national levels
Key Task Deliverables

- Stakeholder Engagement Plan
- Stakeholder Identification and Database
- Education and Outreach Materials
  - Fact sheets, white papers, and quarterly newsletters
  - TX-MX BTMP Project Website
- Engagement Summaries
Initial Key Bi-National Stakeholders

- **U.S. and Mexico Federal Governments**
  - U.S.-Mexico Joint Working Committee
  - U.S.-Mexico Binational Bridges & Border Crossing Group
  - The Bilateral Executive Steering Committee for the 21st Century Border Management Initiative

- **U.S. and Mexico State Governments**
  - States: Texas, Chihuahua, Coahuila, Nuevo Leon, and Tamaulipas

- **Interest Groups**
  - Cargo owners, manufacturing companies, transportation service providers, railroads, safety, economic development, environmental, municipal, planning, and financing

- **Committees**
  - Texas Freight Advisory Committee
  - Border Trade Advisory Committee
  - Texas Transportation Commission

- **U.S. and Mexico Federal Governments**
- **Local Governments & Border Communities**
  - TxDOT Border Districts
  - Freight & International Trade Section of TxDOT
  - Municipal authorities of El Paso, Piedras Niegas, Nuevo Laredo, and Matamoros
  - Transportation Organizations: AMF, CANACAR, and ANTP
  - Industrial Chambers: CONCAMIN
Potential Strategies for Stakeholder Engagement

- Leverage existing and new relationships
- Conduct workshops, listening sessions, and meetings with stakeholders and border and non-border communities
- Engage Committees (BTAC, JWC, BBBXG, TFAC, etc.)
- Coordinate with Binational public sector stakeholders
Strategy

- Develop education and outreach materials
- Identify Key Performance Indicators to monitor plan progress
- Develop quarterly engagement summaries

Approach

- Develop a consistent brand for all TX-MX BTMP materials
- Create print and electronic materials
- Disseminate status updates on project and outreach efforts
BTAC Discussion

• Is there anyone else we should consider?

• Are there other methods of engagement we should use?
GOALS & OBJECTIVES
Task 3
Purpose of Goals & Objectives

• Guide the development of the TX-MX BTMP

• Serve as a measure to gauge success

• Facilitate discussion and generate consensus with binational stakeholders

• Develop framework for analysis to prioritize projects
Key Task Deliverables

• Goals and Objectives
• Technical Memorandum
  • Process used to derive consensus-based goals and objectives
  • Preliminary list of evaluation criteria for prioritizing projects
BTAC Discussion

• From the BTAC perspective, what are the major goals and objectives to consider?

• Other sources of plans, programs or efforts to consider?

• Initial thought on priorities to consider?
Next Steps?

Development of:

- Project Management Plan
- Project Schedule
- Stakeholder Engagement Plan
Project Schedule – Draft Timeline (1/2)

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<thead>
<tr>
<th>Quarters</th>
<th>Q3 - 2018</th>
<th>Q4 - 2018</th>
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<td>▪ Conduct Benefit-Cost Analysis</td>
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### Task 8: Recommendations & Investment Plan

- **Conceptual Alternatives Evaluation**
- **Feasibility Analysis**
- **Immediately-Applicable Recommendations**
- **Medium & Long-Range Recommendations**

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<tr>
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### Task 9: Implementation Plan

- **Implementation Plan for Immediate**
- **Implementation Plan for Medium & Long Range**

### Task 10: Additional Services

- **Refinements to Analysis**

### Task 11: Final Report, Summary & Brochure

- **Brochure**

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**Project Schedule – Draft Timeline (2/2)**

[Timeline diagram with task details and timeframes]
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FREIGHT CORRIDOR PROJECT IN THE LAREDO DISTRICT

David Salazar, P.E.
Laredo District Engineer
Border Freight-Related Projects In Laredo Under Way or Under Development:

HIGHLIGHTS of the I-35 CORRIDOR PROJECTS

The proposed series of improvements along this 24-mile corridor are intended to decrease traffic congestion by increasing the roadway capacity and improving the safety and efficiency of the major street and highway connections. The overall construction estimate for the proposed work is well over $460 Million; there is currently $234 Million of identified funding.
Border Freight-Related Projects In Laredo Under Way or Under Development:

Three Major Freight Corridors:

One Major Destination

Status of the Project Segments
- Meets Interstate Standards
- Near-Term /Ongoing Projects
- Future Projects

Projects on I-69W/US 59 Loop/Loop 20 Within The Existing Right-of-Way:

A. West of IH-35 To The Entrance of World Trade International Bridge IV – Widening of Mainlanes are under development.
B. US 59 Loop Mainlanes over IH 35/ U-P RR (Under Construction)
C. At McPherson Road – (Open to Traffic)
D. At International Blvd – (Open to Traffic)
E. At Shiloh Rd.
F. At Del Mar Blvd.
G. At University Blvd.
H. At Jacaman Rd.
I. At Airport Drive

US 59 Loop Expressway Upgrade Project Requiring Additional Right-of-Way And Future Interchanges

- International Blvd. To US 59/Loop 20 Interchange
- ~Current Construction Estimate - $234 Million

E. At Shiloh Rd.
F. At Del Mar Blvd.
G. At University Blvd.
H. At Jacaman Rd.
I. At Airport Drive
Future Border Freight-Related Projects In Laredo:

Other Laredo Freight-Related Projects

- **Hachar Parkway Corridor**
  - City Laredo & Webb Co.
  - (FM 1472 to I-35)

- **Vallecillo Road**
  - WC-CL RMA
  - (FM 1472 to I-35)

- **Loop 20 Southern Extension**
  - (To Bridge V)

- **Colombia-Solidarity International Bridge III**

- **Laredo Outer Loop Corridor**
  - (I-35 to US 83S)

- **International Bridges 1 & II**

- **Future International Bridge V (4-5)**

Three Major Freight Corridors:
- **One Major Destination**
Future Border Freight-Related Projects In Eagle Pass:

SL 480: Eagle Pass, Maverick County, Texas
Segments 1 / 2 / 3

SL 480 Segment 3 (Unfunded for Construction)
Questions?

Three Major Freight Corridors: One Major Destination