### Today’s Agenda

<table>
<thead>
<tr>
<th></th>
<th>Agenda Item</th>
<th>Slides</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction (slides 3-6)</td>
<td>3-6</td>
</tr>
<tr>
<td>2</td>
<td>Stakeholder Engagement – Round 1 Summary (slides 7-16)</td>
<td>7-16</td>
</tr>
<tr>
<td>3</td>
<td>Goals &amp; Objectives: Refinement and Prioritization (slides 17-23)</td>
<td>17-23</td>
</tr>
<tr>
<td>4</td>
<td>Data Collection: Methodology, Inventory, and Analysis (slides 24-35)</td>
<td>24-35</td>
</tr>
<tr>
<td>5</td>
<td>Corridor Designation (slides 36-38)</td>
<td>36-38</td>
</tr>
<tr>
<td>6</td>
<td>Needs Assessment (slides 39-62)</td>
<td>39-62</td>
</tr>
<tr>
<td>7</td>
<td>Next Steps (slide 63)</td>
<td>63</td>
</tr>
<tr>
<td>8</td>
<td>Closing Remarks (slide 64)</td>
<td>64</td>
</tr>
</tbody>
</table>
The BTMP will support the facilities and the multimodal transportation system that serve the Texas-Mexico border.

It will facilitate coordination and collaboration between Texas and Mexico on:

- binational planning and programming
- implementation of policies, programs, and projects at border crossings

Binational effort

Data-driven

Consensus-oriented

Binational stakeholder participation and public engagement

Encompassing entire Texas-Mexico border
## BTMP Development Phases & Milestones

<table>
<thead>
<tr>
<th>PHASE 1: BINATIONAL STUDY &amp; DATA COLLECTION</th>
<th>PHASE 2: GATHER INPUT &amp; CORRIDOR ANALYSIS</th>
<th>PHASE 3: BUILD BINATIONAL CONSENSUS ON TRANSPORTATION SOLUTIONS</th>
<th>PHASE 4: REFINE ANALYSIS &amp; COMMUNICATE FINDINGS</th>
<th>FINAL REPORT</th>
</tr>
</thead>
</table>

### MILESTONES
- Project Management Plan
- Stakeholder Engagement Plan
- Data Collection Plan
- Goals & Objectives
- High-Level Prioritization Process

### MILESTONES
- Study Area
- Data Inventory
- Identification of Multimodal Corridors
- Corridor Analyses (SWOT, Trends)

### MILESTONES
- Future Scenarios
- Cost Benefit Analysis and Economic Impact of Alternatives
- Feasibility Analysis of Alternatives

### MILESTONES
- Prioritization of Alternatives
- Implementation Plan of High-Ranking Alternatives

### MILESTONES
- Final Report
BTMP Geographical Scope

- **BTMP Focus**
  - Binational, multimodal corridors that are connected by border crossings
  - Movement of people and goods

- **“Spheres of Influence”**
  - Sphere 1: 100 km/60 miles north and south of border
  - Sphere 2: Key population and goods production centers in Border States
  - Sphere 3: Five Border States
  - Sphere 4: U.S. and Mexico
  - Sphere 5: U.S., Mexico, and Canada (NAFTA/USMCA)
### Committee Roles and Responsibilities

#### Border Trade Advisory Committee (BTAC)

<table>
<thead>
<tr>
<th>Roles and Responsibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation and guidance is critical throughout decision points</td>
</tr>
<tr>
<td>Input on Plan Goals and Objectives</td>
</tr>
<tr>
<td>Assist with public and stakeholder outreach</td>
</tr>
<tr>
<td>Identification of issues, needs, and challenges</td>
</tr>
<tr>
<td>Provide feedback on policies, programs, and projects</td>
</tr>
<tr>
<td>Input on Implementation Plan</td>
</tr>
<tr>
<td>Review documents and recommend plan to Commission</td>
</tr>
</tbody>
</table>

**Meeting Frequency**

#### Binational Regional Steering Committees (BNRSCs)

<table>
<thead>
<tr>
<th>Roles and Responsibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input on the Plan Goals and Objectives</td>
</tr>
<tr>
<td>Contribute to the development of the Plan</td>
</tr>
<tr>
<td>Identification of issues and needs</td>
</tr>
<tr>
<td>Provide data and other information</td>
</tr>
<tr>
<td>Development of recommendations</td>
</tr>
<tr>
<td>Prioritization of programs and projects</td>
</tr>
<tr>
<td>Assist with public and stakeholder outreach</td>
</tr>
<tr>
<td>Implementation of the Plan</td>
</tr>
</tbody>
</table>

**Meeting Frequency**
Every other month (before BTAC)

#### Binational Stakeholder Coordination

<table>
<thead>
<tr>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guidance on the development of the BTMP</td>
</tr>
<tr>
<td>Binational data collection</td>
</tr>
<tr>
<td>Identification of binational issues and needs</td>
</tr>
<tr>
<td>Provide input on corridor identification and designation</td>
</tr>
<tr>
<td>Build binational consensus on transportation solutions</td>
</tr>
<tr>
<td>Provide input on prioritization criteria</td>
</tr>
<tr>
<td>Review and comment on recommendations</td>
</tr>
<tr>
<td>Provide input into Plan implementation</td>
</tr>
</tbody>
</table>

**Meeting Frequency**
Quarterly
STAKEHOLDER ENGAGEMENT
Stakeholder Engagement – Round 1

**Rio Grande Valley/Tamaulipas Region (Pharr)**
- April 2: Stakeholder Workshop
- April 3: BNRSC Meeting
- April 9: Public Meeting

**Laredo/Coahuila/Nuevo Leon/Tamaulipas Region (Laredo)**
- April 22: Public Meeting
- April 23: Stakeholder Workshop & BNRSC Meeting
- April 24: Stakeholder Workshop (Eagle Pass)

**El Paso/Santa Teresa/Chihuahua Region (El Paso)**
- April 29: Public Meeting
- April 30: Stakeholder Workshop & BNRSC Meeting
Challenges

- Multiple inspections
  - Is there an opp. to do them all at the same time

- Pavements are space constrained
  - We need the ability to expand the structures
    - Long-range needs
    - Antiquated
    - Technology
    - More staff takes space

- Rapid growth of traffic across PCEs annually

- Cameron Co. 5M people annually

- Get truck traffic into local MPO/cities master plans

<table>
<thead>
<tr>
<th></th>
<th>BNRSC</th>
<th>Stakeholder Workshop</th>
<th>Public Meeting</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>39</td>
<td>26</td>
<td>21</td>
</tr>
<tr>
<td>Mexico</td>
<td>12</td>
<td>17</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>51</td>
<td>43</td>
<td>22</td>
</tr>
</tbody>
</table>
## Issues/Challenges

- Long wait times at crossings
- Need additional connectivity once commercial traffic crosses
- Shortage of personnel at border crossings
- Design of border crossing infrastructure is outdated
- Need for additional coordination between US and Mexican agencies at border crossings

## Opportunities

- Increase security on Mexican side
- Open more lanes at border crossings
- Opportunity for increased efficiency at crossings
- Improve connectivity to regional networks
- Use technology to make crossings more efficient
### Stakeholder Workshop

<table>
<thead>
<tr>
<th>Issues/Challenges</th>
<th>Opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avoidance of crossings with heavier scrutiny/excessive inspections</td>
<td>Need resiliency plan to address major events along border that impact transportation</td>
</tr>
<tr>
<td>Excessive wait times for bicyclists and pedestrians</td>
<td>Allow Mexican drivers to cross and transport freight to San Antonio</td>
</tr>
<tr>
<td>Customs is working well in Mexico but not US</td>
<td>Need to increase produce capacity, including cold storage inspection facilities</td>
</tr>
<tr>
<td>Need solutions for oversize and overweight vehicles; need loop or bypass around the city</td>
<td>Implement technology to expedite border crossings for both people and goods</td>
</tr>
<tr>
<td>Issues/Challenges</td>
<td>Opportunities</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------</td>
</tr>
<tr>
<td>Long lines of passenger vehicles and trucks</td>
<td>New crossing focused on rail and pedestrians</td>
</tr>
<tr>
<td>Overweight vehicles are taxing the local road system</td>
<td>Working on a binational cycling network</td>
</tr>
<tr>
<td>Shortage of qualified produce inspectors</td>
<td>Need to prioritize movement of people; dedicated bus crossings</td>
</tr>
<tr>
<td>Multiple inspections</td>
<td>Need synchronized traffic signals for better air quality</td>
</tr>
<tr>
<td>Crossings have limited ability to expand</td>
<td>Improve connectivity from border crossings to interstates</td>
</tr>
</tbody>
</table>
### Rio Grande Valley/Tamaulipas Region

#### Issues/Challenges
- Lack of redundant crossing locations to relieve burdened infrastructure
- Poor connectivity to regional transportation system on US side
- Rapid growth of freight volumes
- Lengthy produce inspections and lack of qualified inspectors

#### Opportunities
- Use technology to improve border crossing efficiency
- Improve connectivity to transportation network beyond border crossings
- Need more oversize/overweight corridors
- Increase capacity of border crossings for both people and goods movement

#### Summary
COMMON THEMES
## Summary by Region

<table>
<thead>
<tr>
<th>Issues/Challenges</th>
<th>Laredo</th>
<th>Rio Grande Valley</th>
<th>El Paso</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lane closures at border crossings occur too often</td>
<td>Lack of redundant crossing locations to relieve burdened infrastructure</td>
<td>Unreliable crossing times</td>
</tr>
<tr>
<td></td>
<td>Poor infrastructure condition</td>
<td>Poor connectivity to regional transportation system on US side</td>
<td>Lack of connectivity to other modes</td>
</tr>
<tr>
<td></td>
<td>Multiple inspections for border crossing cargo</td>
<td>Rapid growth of freight volumes</td>
<td>Heavy student usage of border crossings</td>
</tr>
<tr>
<td></td>
<td>Congestion at interstate checkpoints</td>
<td>Lengthy produce inspections and lack of qualified inspectors</td>
<td>Border crossings with no connectivity on Mexican side</td>
</tr>
<tr>
<td></td>
<td>Insufficient CBP personnel</td>
<td></td>
<td>Security issues</td>
</tr>
<tr>
<td></td>
<td>Inadequate hours of operation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opportunities</td>
<td>Maximize underutilized capacity at existing crossings</td>
<td>Use technology to improve border crossing efficiency</td>
<td>Use technology to improve/optimize border crossings</td>
</tr>
<tr>
<td></td>
<td>Expand programs such as Joint Inspections and UCP</td>
<td>Improve connectivity to transportation network beyond border crossings</td>
<td>Coordination with other studies</td>
</tr>
<tr>
<td></td>
<td>Increase capacity of transportation network linking border crossings</td>
<td>Need more oversize/overweight corridors</td>
<td>Expand capacity of border crossings</td>
</tr>
<tr>
<td></td>
<td>Expand supply of warehousing</td>
<td>Increase capacity of border crossings</td>
<td>Add pedestrian amenities</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Separation of truck and personal vehicle traffic</td>
</tr>
</tbody>
</table>
Common Suggestions to Improve Border Transportation

- Increase staff at POEs
- More open lanes at POEs
- Develop more/new POEs
- Extended POE hours of operations
- Joint inspections/more efficiency
- More and better maintained roadway infrastructure
- Increase in use of technology
- Better mass transit system, pedestrian access
- Improve reliability of crossing information
- More infrastructure funding
GOALS & OBJECTIVES

Laredo Stakeholder Meeting | April 23, 2019
Goals and Objectives Overview

What are the elements of border transportation planning?

What are our Draft Vision and Mission Statements?

What were the priority goals in Round 1 BNRSC Meetings?

What feedback do you have on Draft Objectives?
Elements of Transportation Planning

- **Vision:**
  - aspirational statement on the future of the Texas-Mexico border

- **Mission:**
  - statement of how the BTMP will support the vision

- **Goal:**
  - aspirational areas of focus for the BTMP

- **Objective:**
  - specific, measurable priorities for the BTMP

- **Performance Measures:**
  - quantifiable indicators to assess performance
Vision:

To collaboratively create integrated and efficient binational transportation mobility of people and goods across the Texas-Mexico border and to promote economic development that benefits the binational Texas-Mexico border region, Texas, the United States, and Mexico.

Mission:

To develop and implement trade, economic development, and transportation strategies and public policies, programs, and projects that facilitate US-Mexico border trade and cross-border movement of people, creates efficient multimodal corridors, and enhance the connections in the binational border region.
## Draft BTMP Goals

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety and Security</td>
<td>Improve binational, multimodal transportation safety and security</td>
</tr>
<tr>
<td>Economic Competitiveness</td>
<td>Improve the contribution of the binational transportation system for economic competitiveness, productivity, and development in the border regions and beyond</td>
</tr>
<tr>
<td>Mobility and Reliability</td>
<td>Reduce congestion and improve system efficiency and performance on the binational transportation system</td>
</tr>
<tr>
<td>Multimodal Connectivity</td>
<td>Provide binational transportation choices and improved system connectivity for all modes</td>
</tr>
<tr>
<td>Sustainable Funding</td>
<td>Identify and sustain funding sources for the binational transportation system</td>
</tr>
<tr>
<td>Stewardship</td>
<td>Manage environmental and agency resources responsibly and foster accountability and transparency in decision-making</td>
</tr>
<tr>
<td>Customer Service</td>
<td>Understand and incorporate customer feedback in decision-making processes and be transparent in all agency communications</td>
</tr>
<tr>
<td>Cross-Border Resiliency</td>
<td>Capacity of the system to continue operations after disasters/emergency events</td>
</tr>
<tr>
<td>Asset Preservation</td>
<td>Maintain and preserve infrastructure that supports multimodal, binational movement of goods and people</td>
</tr>
</tbody>
</table>
Priority Goals in Round 1 BNRSC Meetings

1. Mobility and Reliability
2. Multimodal Connectivity/
Economic Competitiveness

Rio Grande Valley/
Tamaulipas

Laredo/Coahuila/
Nuevo León/Tamaulipas

El Paso/Santa Teresa/
Chihuahua

1. Mobility and Reliability
2. Economic Competitiveness
BNRSC DISCUSSION

Provide input to formulate Objectives for each BTMP Goal
DATA COLLECTION

Inventory and Analysis
Data Collection Overview

What are we trying to achieve through data collection and analysis?

What data sources will help us develop the BTMP?

What is the BTMP Stakeholder Data Questionnaire?

What are the preliminary data gaps?

What are the next steps and BNRSC role?
Data Collection and Analysis Goals

Develop a data-driven binational and multimodal BTMP to:

- Provide comprehensive understanding of existing and emerging data sources
- Assess data suitability to address BTMP goals and objectives
- Apply data for BTMP needs assessment, economic analysis, and forecasting
- Recommend BTMP performance measures and prioritization
- Create a Data Clearinghouse for analysis on other BTMP tasks and for use by all stakeholders
Data Collection, Inventory, and Analysis Workflow

**PLAN**
- BTMP Data Collection, Inventory, and Analysis Plan

**COLLECT**
- Binational Data Inventory and Collection
  - Identify Data Gaps
  - Address Data Gaps and Needs
  - Data Collection and Synthesis

**ANALYZE**

**REPORT**
- Data Reporting and Clearinghouse
- Technical Memorandum: Final Data Inventory and Metadata
- Draft and Final Baseline Conditions Report and Presentation
## Data Sources

<table>
<thead>
<tr>
<th>PLANS &amp; STUDIES</th>
<th>QUANTITATIVE &amp; QUALITATIVE DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transportation Plans and Studies</td>
<td>Statistical Data</td>
</tr>
<tr>
<td>Land Use Studies</td>
<td>Surveys</td>
</tr>
<tr>
<td>Economic Development Plans</td>
<td>Operational Data</td>
</tr>
<tr>
<td>International Trade Studies</td>
<td>Land Use Data</td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>Multimodal Transportation Network</td>
</tr>
</tbody>
</table>
Binational Transportation Data Sources

Modal Category:
- Commercial Vehicles
  - Railway
  - Maritime
  - Aviation
  - Pipeline

Bicycle and Pedestrians
- Public Transport
- Private Vehicles
- Aviation

Trip Purpose:
- Freight
- Passenger
How Much Data Have we Collected?

317 Data Sources related to BTMP Goals

- Road: 50%
- Multiple: 20%
- Air: 11%
- Maritime: 10%
- Rail: 4%
- Pipeline: 3%
- Transit: 2%
- Binational: 5%
- Mexico: 37%
- Texas: 58%
Methods Used to Collect Data

Legend
- Data Stakeholders (US and Mexico)
- Collection Methods

Local and Regional Gov’t Agencies
State Gov’t Agencies
Federal Gov’t Agencies
Infrastructure Owners
Industry Stakeholders
Desk Research
Data Questionnaire
Stakeholder Meetings
Interviews
We need your input on plans, studies, and data sources for the BTMP.

Brief questionnaire – English and Spanish options

Texas-Mexico Border Transportation Master Plan (BTMP)

Data Questionnaire

The Texas Department of Transportation (TxDOT), in collaboration and partnership with the Border Trade Advisory Committee (BTAC), is working with binational federal, state, regional, and private sector stakeholders to undertake development of the Texas-Mexico Border Transportation Master Plan (BTMP). The BTMP is a comprehensive, multimodal, and binational plan that will:

- Identify the movement of people and goods across the border, in border regions, and beyond
- Focus on transportation issues, needs, challenges, opportunities, and strategies
- Utilize a data-driven planning process to inform selection and prioritization of projects, policies, and programs
- Support binational, state, regional, and local economic competitiveness

 surveymonkey.com/r/BTMPData
### Types of Data Gaps we are Currently Seeing

- Initial comparison of data sources focusing on agency data from federal and state sources
- Across many data sets (U.S. and Mexico) differences in:

<table>
<thead>
<tr>
<th>Granularity</th>
<th>Linkages</th>
<th>Consistency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Differences in detail: geography, classification</td>
<td>Trip tracing – inland, intermodal shipments, drayage, and people movements between modes and across the border</td>
<td>Method and timing collection</td>
</tr>
<tr>
<td>Geography – city, county, states</td>
<td></td>
<td>Time lag from data collection to reporting</td>
</tr>
<tr>
<td>Time Intervals – daily, weekly, monthly</td>
<td></td>
<td>Definitions and classifications</td>
</tr>
<tr>
<td>Characteristics of people and goods</td>
<td></td>
<td>Assumptions used for derived data</td>
</tr>
</tbody>
</table>
Next Steps: Data Collection Process

Collect and Inventory
Continue binational data collection (stakeholders, agencies, trade groups, businesses, and others)

Analyze and Validate
Data attributes, quality, and coverage checks

Identify Gaps
In coverage, differences in granularity, linkages, and consistency

Gap Closing Strategies
New data sources, data fusion methods
BNRSC Next Steps

- Participate in the BTMP Data Collection Questionnaire
- Identify critical data stakeholders (provide to BTMP team)
- Provide input, as needed, on data gap-closing strategies
CORRIDOR DESIGNATION
Corridor Designation Strategy

Database/Inventory | Goals & Objectives, Multi-Criteria Analysis Framework | Forecasts | Economic Analysis

Binational/Multimodal Transportation System and Needs Assessment Plan

Stakeholder Workshops & Discussions

Plan

DEFINE

DEScribe

REPORT

To Needs Assessment Strategy
### Designation Criteria & Analysis Framework

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Key Inputs</th>
<th>Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Develop analysis criteria &amp; framework, and existing modal profiles</td>
<td>- Stakeholder workshops &amp; discussions</td>
<td>- Document available tools, performance measures, and data in analysis framework</td>
</tr>
<tr>
<td>to support corridor designations and needs for future corridor designations:</td>
<td>- Goals &amp; Objectives, multi-criteria analysis framework</td>
<td>- Link performance measures &amp; analysis framework to goals &amp; objectives</td>
</tr>
<tr>
<td>- POEs</td>
<td>- Database/inventory</td>
<td>- Identify performance by border regions, analysis areas &amp; spheres of influence</td>
</tr>
<tr>
<td>- POE support system</td>
<td>- Profiles will include transportation demand and multimodal performance, land use, economic, key/emerging logistics &amp; supply chains</td>
<td>- Document existing modal profiles to develop future profile and needs analysis</td>
</tr>
<tr>
<td>- Transportation network system</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NEEDS ASSESSMENT
Assessment Strategy

Database/Inventory → Goals & Objectives, Multi-Criteria Analysis Framework → Forecasts → Economic Analysis

From Corridor Designation Strategy

Corridor and Border Crossing Analysis Report

SWOT Analysis → Trends, Issues, Deficiencies, Conditions, Performance → Binational Corridors and Border Crossing Needs Assessment

Needs Assessment Report

NEEDS ASSESSMENT

REPORT

Stakeholder Workshops & Discussions

Analytical Input

Stakeholder Input
Preliminary Inventory of Binational Infrastructure – Sources

- Compiled information on binational, multimodal infrastructure from the following sources:
  - Corridors presented during BTAC (December 2018) by Mexican States of Chihuahua, Coahuila, Nuevo Leon and Tamaulipas
  - Freight Mobility Plan (2018)
  - International Trade Corridor Plan (2018)
  - Texas Border District Trade Transportation Activities (Jan. 2019)
  - Texas Border Master Plans from 2012 and 2013

- Developed “layered” maps showing infrastructure for the following modes
  - Highway
  - Pedestrian/Bicycle
  - Transit
  - Rail
  - Airports
  - Seaports
  - Pipeline

- Goal of representing key infrastructure to be analyzed as part of the BTMP
Binational Corridors – Initial Review

- Established Trade Corridors
- Ports to Plains Corridor
- Secondary Trade Corridors
- Mexico City – Nuevo Laredo Corridor
- Veracruz – Matamoros Corridor
- Mazatlan – Matamoros Corridor
- Manzanillo – Tampico Corridor
Multi-Regional Corridors – Initial Review

Rio Grande Valley/ Tamaulipas Region

- Mexico City – Nuevo Laredo Corridor
- Emerging Corridor
- Highway Trade Corridor
- Mazatlán - Matamoros Corridor
- Veracruz – Matamoros Corridor

Map showing various corridors and international bridges connecting Texas and Mexico, including:
- Lake Falcon Dam Crossing
- Roma-Ciudad Miguel Alemán Bridge
- Rio Grande City-Camargo Bridge
- Los Ebanos Ferry
- Anzalduas International Bridge
- Free Trade Bridge
- West Rail Bridge
- B & M Bridge
- Gateway International Bridge
- Veterans International Bridge at Los Tomates
BNRSC DISCUSSION

Are there any corridors missing? (including last-mile corridors)
BNRSC DISCUSSION

Are there bottlenecks and if so, in which facility type (POEs, supporting facilities, multimodal transportation system)?
BNRSC DISCUSSION

Are there any ideas for addressing those bottlenecks?
Binational Rail Network – Preliminary Inventory

Railroads

Texas

Class I
- BNSF
- Kansas City Southern
- Union Pacific

Other
- Shortline/Regional

Mexico

- Kansas City Southern De México
- Línea Coahuila Durango
- Ferrocarril Mexicano
- Vías Remanentes

Border Crossing
Binational Rail Network – Preliminary Inventory - RGV

Railroads

Texas
- Class I
  - BNSF
  - Kansas City Southern
  - Union Pacific

Other
- Shortline/Regional

Mexico
- Kansas City Southern De México
- Línea Coahuila Durango
- Ferrocarril Mexicano
- Vías Remanentes

Border Crossing
BNRSC DISCUSSION

Are there any corridors missing?
BNRSC DISCUSSION

Are there bottlenecks and if so, in which facility type (POEs, supporting facilities, multimodal transportation system)?
BNRSC DISCUSSION

Are there any ideas for addressing those bottlenecks?
Binational Airports & Seaports Infrastructure – Preliminary Inventory

**Airports and Seaports**

- Airport
- Seaport

Map showing various airports and seaports along the Texas-Mexico border, including:
- Topolobampo
- Mazatlán
- Tampico
- Port Arthur
- Houston
- Corpus Christi
- Brownsville

Map legend includes icons for airports and seaports.
BNRSC DISCUSSION

Is there any infrastructure missing?
BNRSC DISCUSSION

Are there bottlenecks and if so, in which facility type (POEs, supporting facilities, multimodal transportation system)?
BNRSC DISCUSSION

Are there any ideas for addressing those bottlenecks?
Binational Pipeline Infrastructure – Preliminary Inventory

**Pipelines**

- **Natural Gas & Other Gas Pipelines**
- **Crude Oil Pipelines**
- **Hazardous Liquids Pipelines**

Border Crossing

- El Paso POE
- Santa Teresa POE
- Tornillo-Fabens POE
- Del Rio/Amitad Dam POE
- Eagle Pass POE
- Progreso POE
- Brownsville POE
- Rio Grande City POE
- Roma POE
- Laredo POE
- Presidio POE
- Chihuahua

Texas-Mexico Border Transportation Master Plan June 4, 2019

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Binational Pipeline Infrastructure – Preliminary Inventory - RGV

Pipelines

- **Natural Gas & Other Gas Pipelines**
- **Crude Oil Pipelines**
- **Hazardous Liquids Pipelines**
- **Border Crossing**
BNRSC DISCUSSION

Are there any pipelines missing?
BNRSC DISCUSSION

Are there capacity constraints or intermodal connectivity issues and if so, where?
BNRSC DISCUSSION

Are there any ideas for addressing those capacity constraints or intermodal connectivity issues?
## Study Tasks Three Month Look-Ahead

<table>
<thead>
<tr>
<th>Data Collection</th>
<th>Corridor Analysis</th>
<th>Goals &amp; Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Process results from Data Questionnaire</td>
<td>- Identify corridors that will be analyzed and their characteristics</td>
<td>- Develop objectives for the BTMP that align with the goals and the available data</td>
</tr>
<tr>
<td>- Begin filling up gaps on Data</td>
<td>- Develop preliminary corridor-level performance metrics to be used to assess the efficiency on the movement of goods and people across the border</td>
<td>- Develop high-level project prioritization framework</td>
</tr>
<tr>
<td>- Identify Binational Supply Chains through consultations and begin analyzing them</td>
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</tbody>
</table>

### Next BTAC Meeting
- TBD

### Next BNRSC Meeting – September
- Objectives – Report out
- Report on preliminary baseline data analytics
- Final discussion on issues, challenges and opportunities at the corridor level
- Overview of high-level prioritization framework
- Extended Public Outreach Plan for October
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