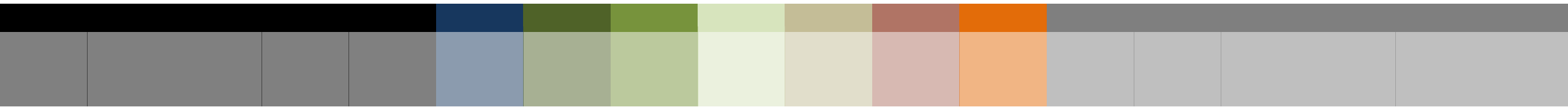


PERMIAN BASIN MPO POLICY BOARD PROJECT BRIEFING

Interregional Planning-Environmental Linkages (PEL) Study

JANUARY 29, 2024



Project Overview



Study Basis

- Rapid regional growth and development
- Increased regional travel
- Diversification and increase of freight and goods movement
- Awareness of safety needs for all types of travelers



Traditional Planning Process

Project Team
Develops Concepts

Public & Agencies
Provide Feedback on Concepts

Project Team
Refines Concepts Based on Feedback

PEL Study Process

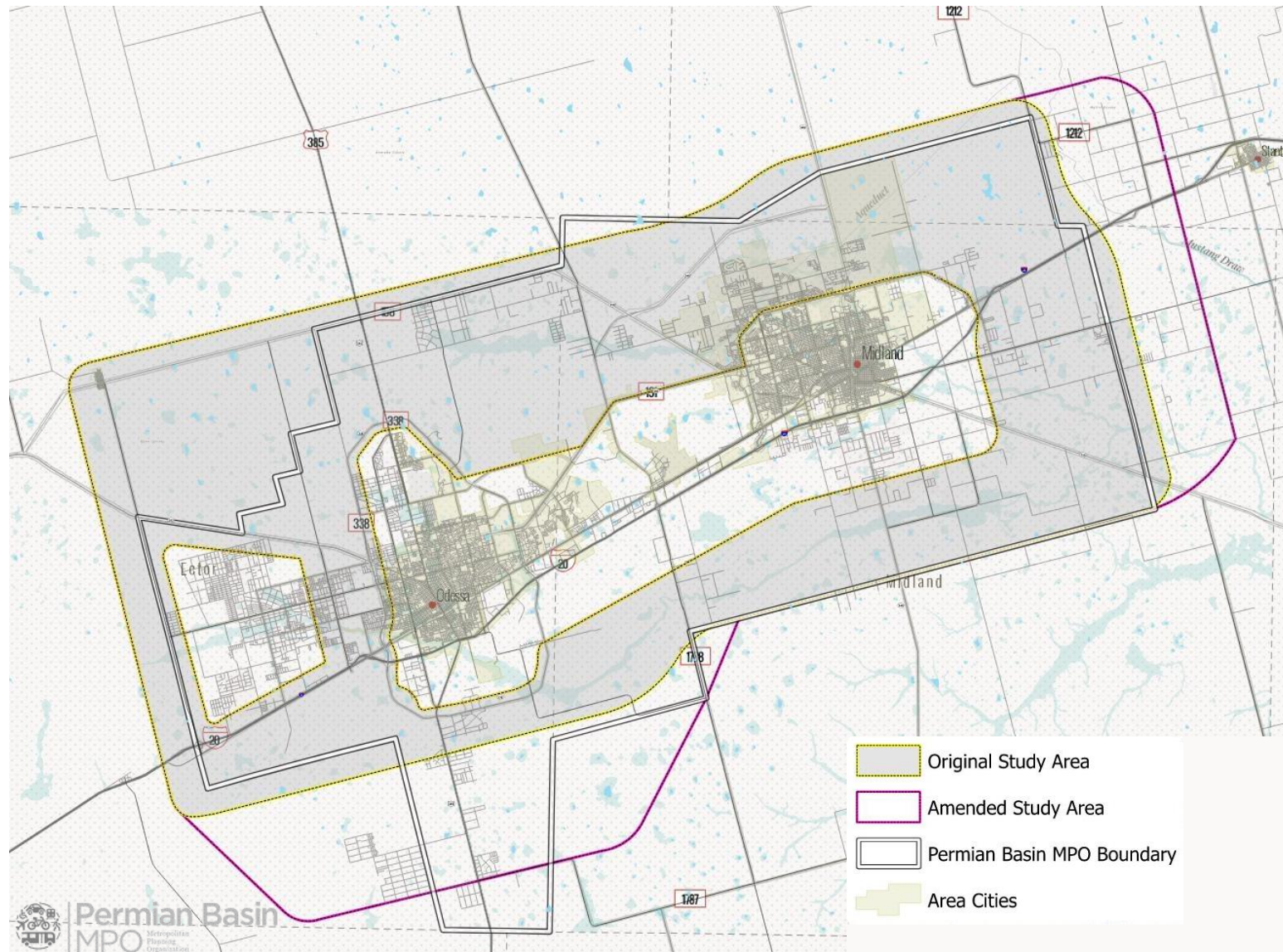
Public & Agencies Develop Initial Concepts

Project Team
Expands & Analyzes Concepts

Public & Agencies Revisit Concepts with the Project Team



Study Area and Objectives



- Establish a common vision for an interregional transportation facility that will...
 1. Enhance safety and mobility
 2. Enable better movement of goods and services
 3. Provide a higher functional classification for more comprehensive service
- Identify potential corridors for future evaluation

PEL Study Process

Data Collection

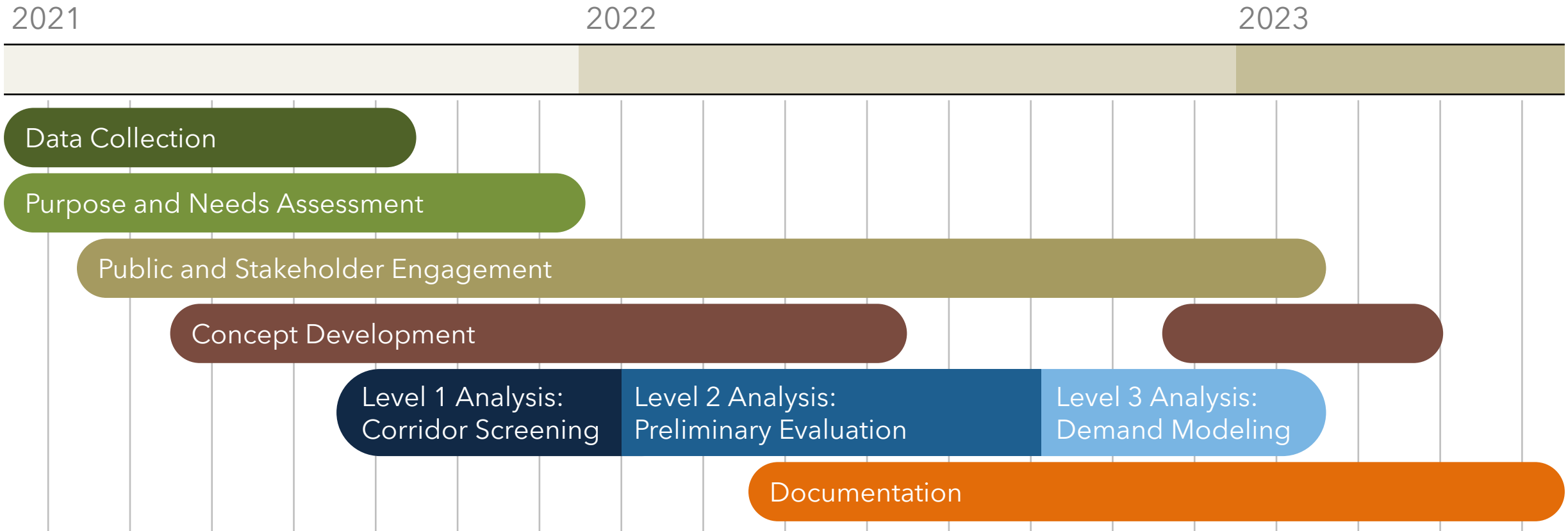
Public & Stakeholder Involvement

Purpose and Needs Assessment

Develop and Screen Potential Alternatives

Project Next Steps

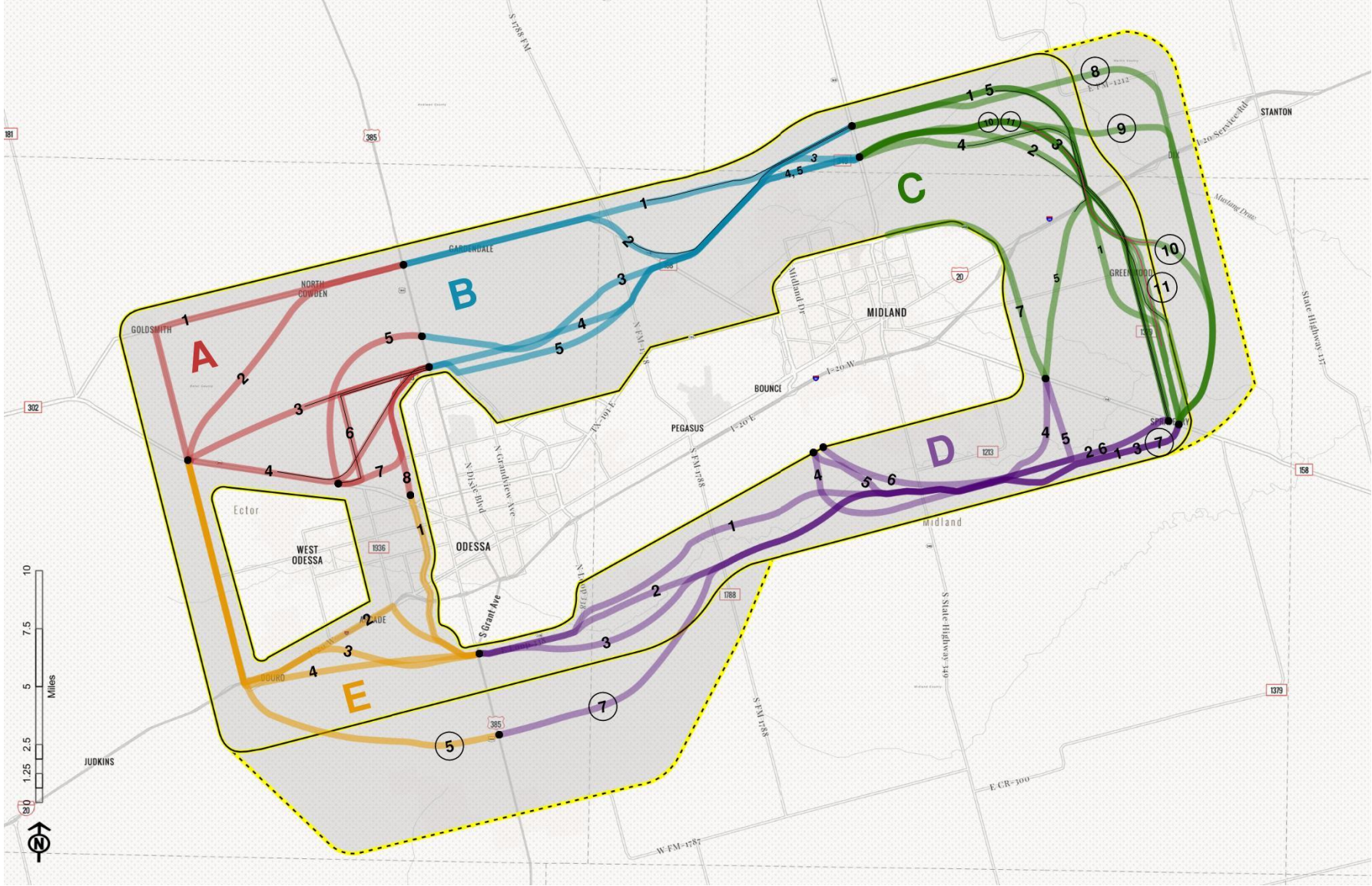
PEL Study Timeline



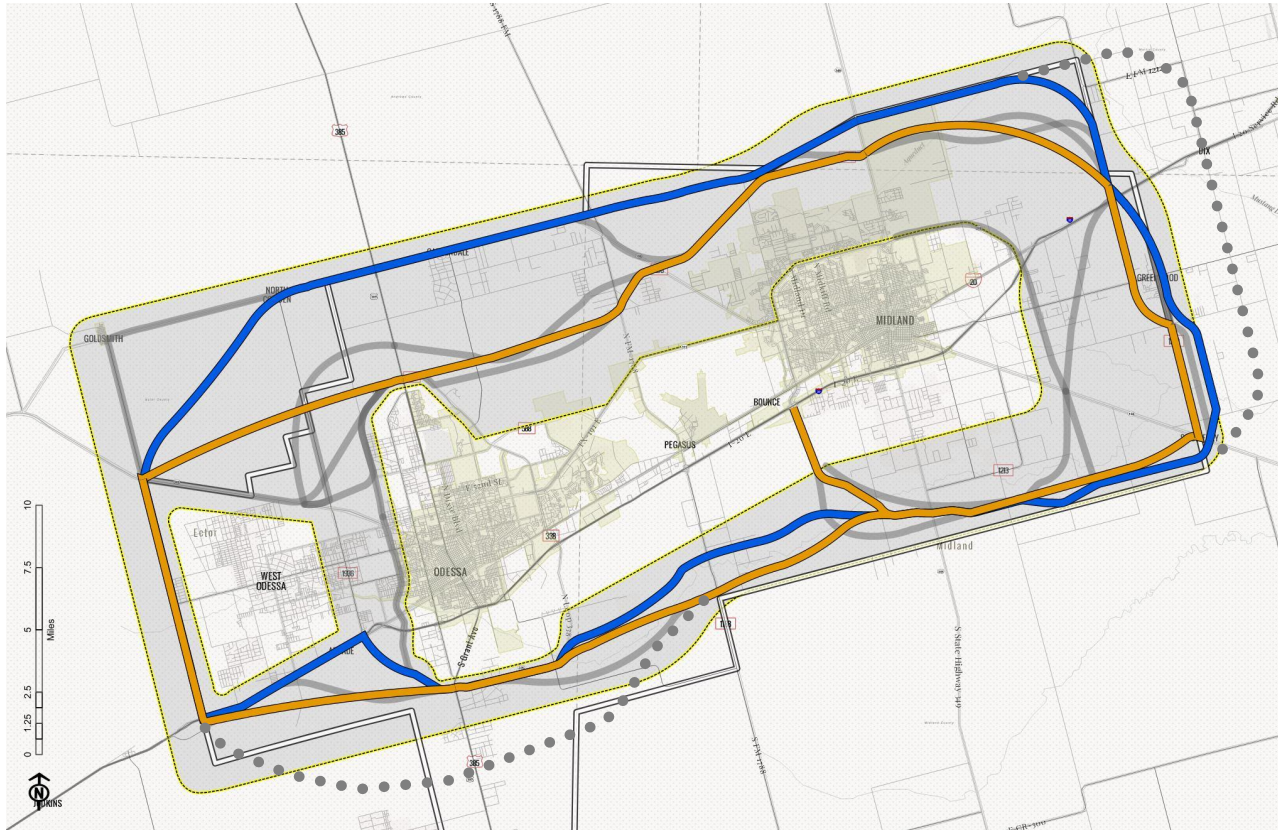
PEL Study Results



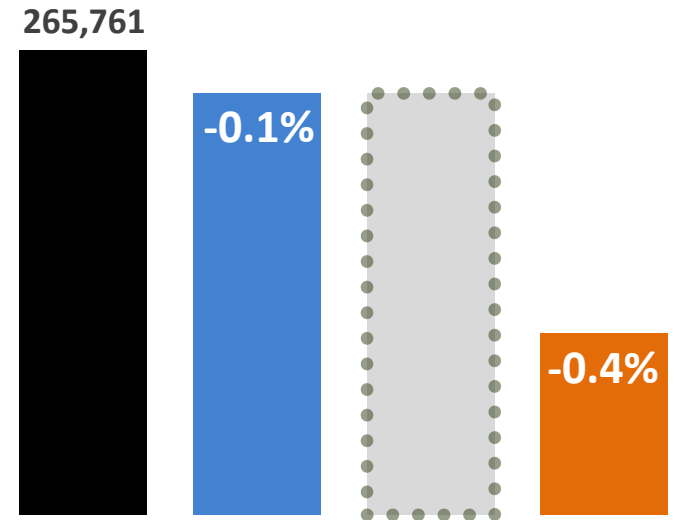
Regional Loop Concept Alternatives



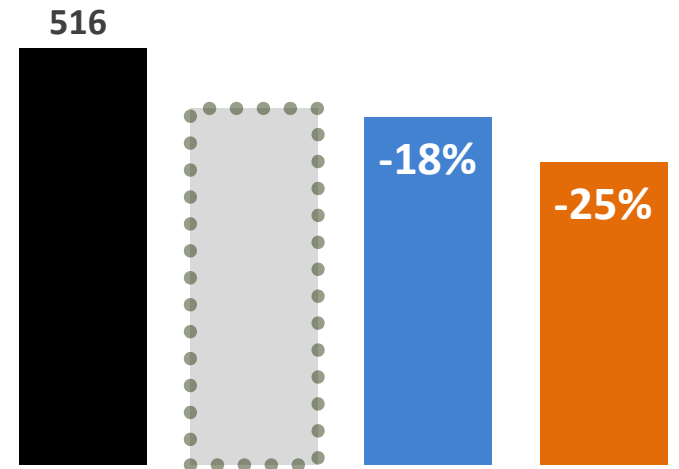
2045 Route Simulations & Performance Metrics



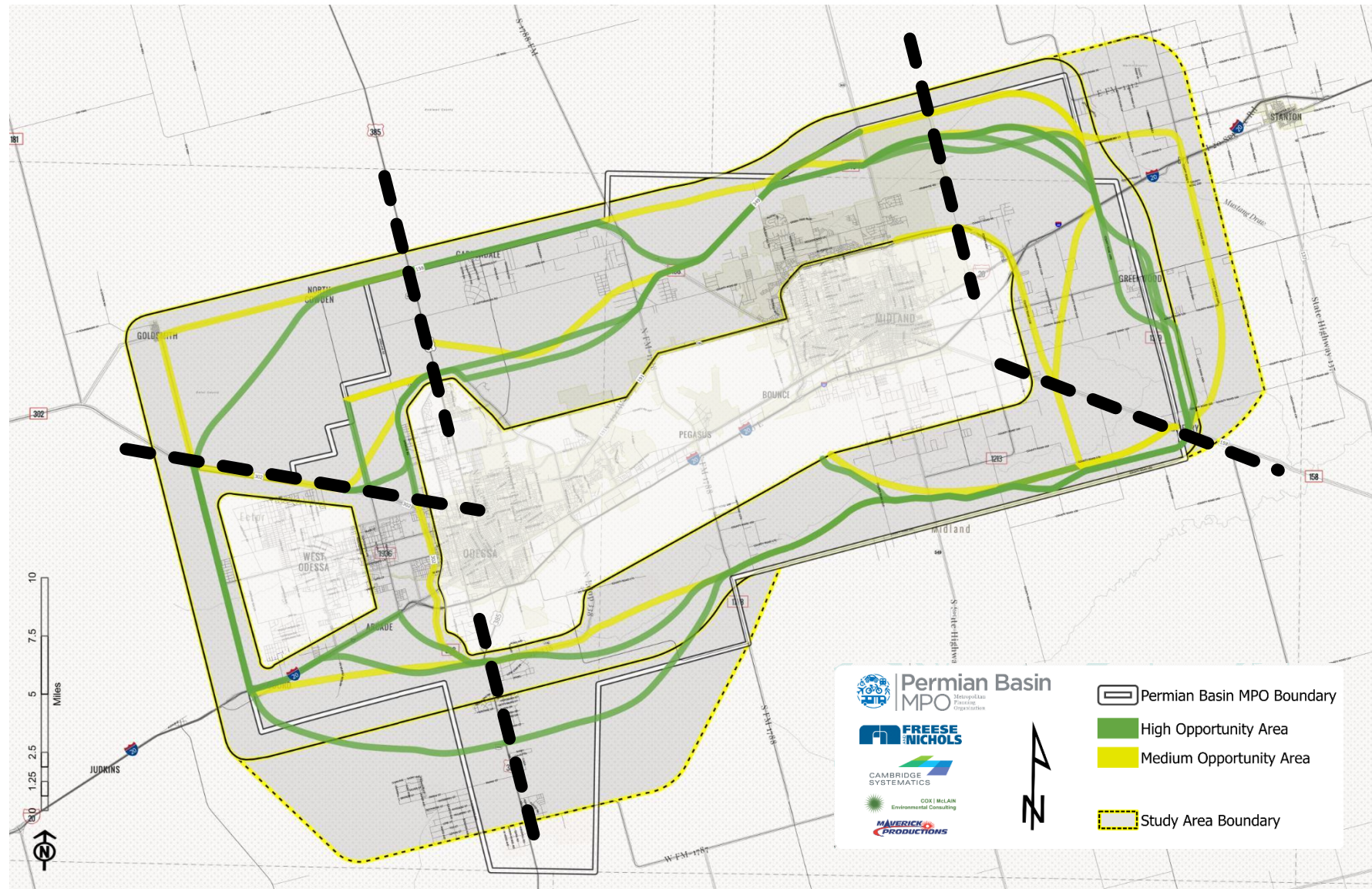
2045 Total Hours Traveled (VHT)



2045 Total Truck Delay (Hours)



Study Results: Biggest Opportunities

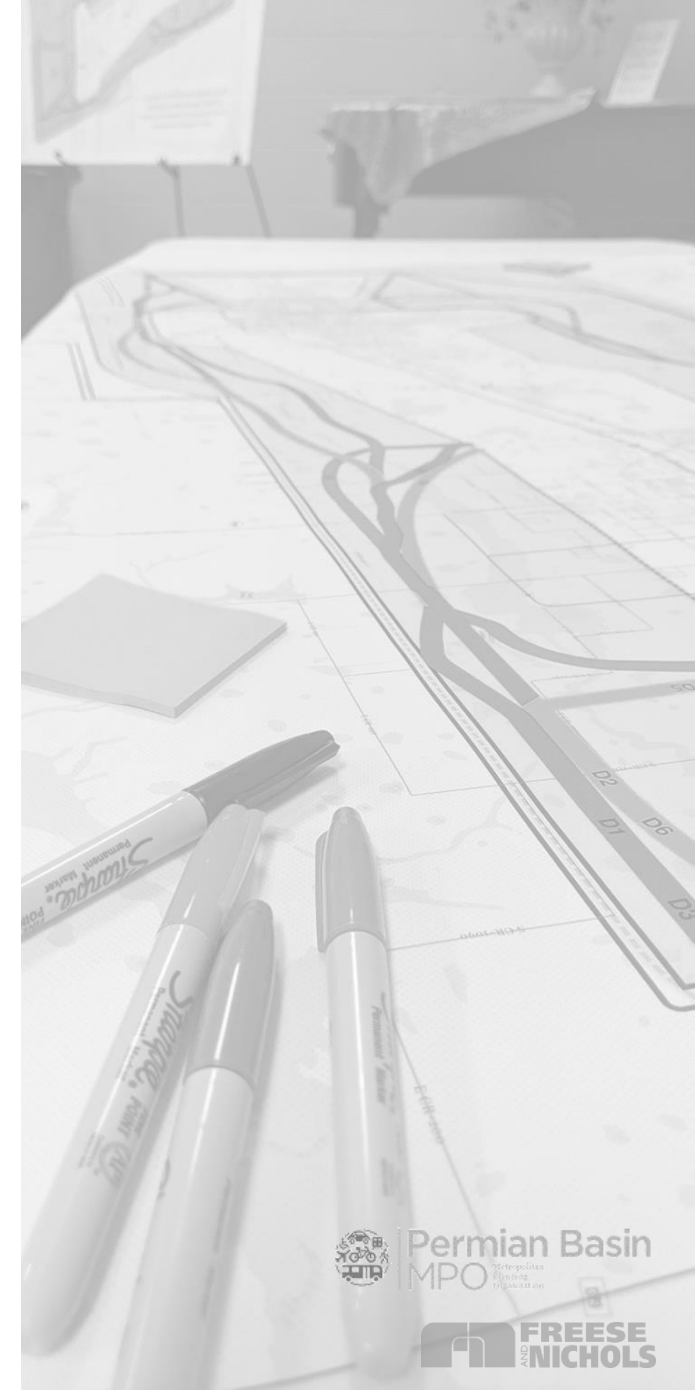


Recommendations



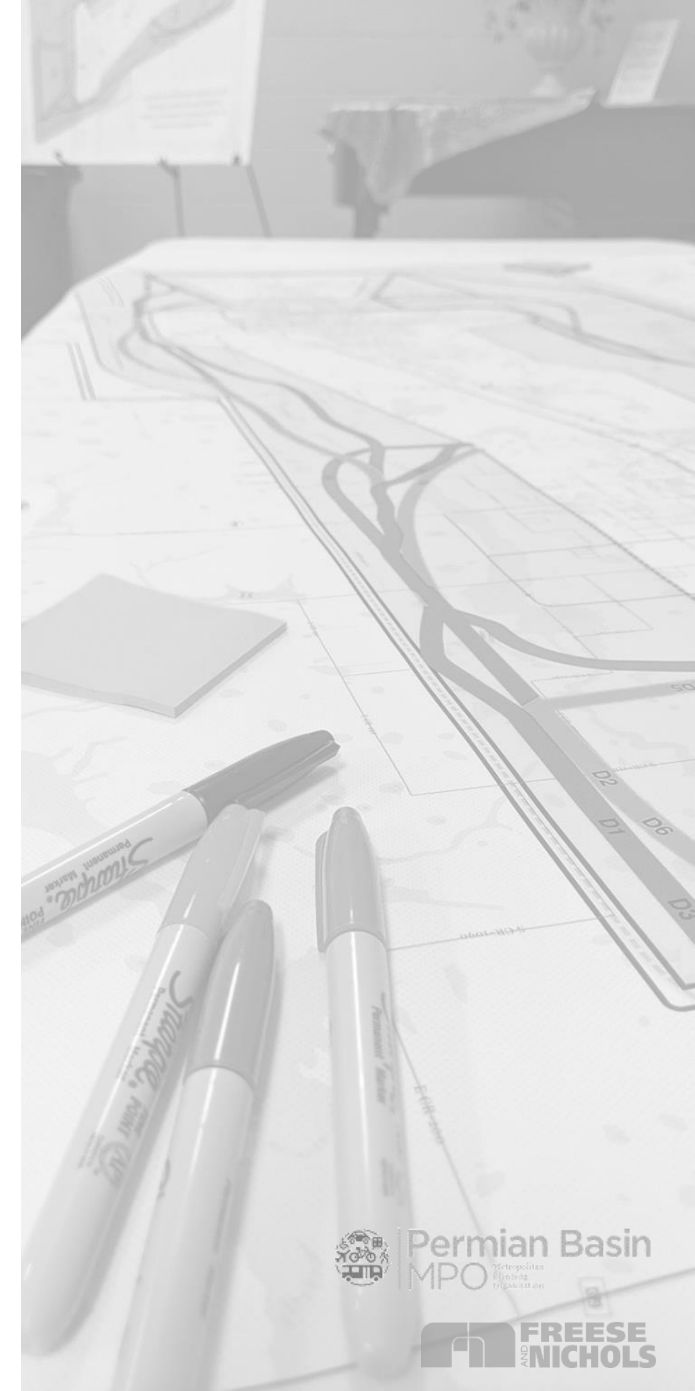
Recommendations

- Request that the Board accept the work done through this study
- **Consider amending the regional MTP *Forward 45***
 - No project advancement until it is documented in the MTP
- **MPO coordinates with agency partners for advanced documentation**
 - Any follow up study should begin with the most opportunistic corridors (i.e., green)
 - Potential to integrate with regional project selection criteria
- Keep this interregional facility in conversation with Forts-to-Ports (I-14), I-27/Ports-to-Plains, and other regional projects.



Advancing the Interregional Loop

- **No project advancement until project in the MTP**
- **Consider Amending MTP Forward 45**
 - Future Mobility Options Chapter
 - Create **Illustrative Map** to identify regional mobility corridors for future evaluation
 - Interregional Loop
 - Other mobility corridors IH-27, IH-14
 - Resiliency Plan corridors
- **Interregional Loop PEL**
 - Purpose and Need Statement
 - Stakeholder collaboration
 - Corridors of Opportunity Map
 - Segmented for Logical Termini
 - May be viewed for entire loop or segments of independent utility



Next Steps Summary

Near term (~2 years)

- MPO Actions
 - MTP amendment
 - Develop formalized project process

Medium-term

- Agency-led environmental documentation
 - Compare no-build + build alternatives
 - Defined corridors of least impact

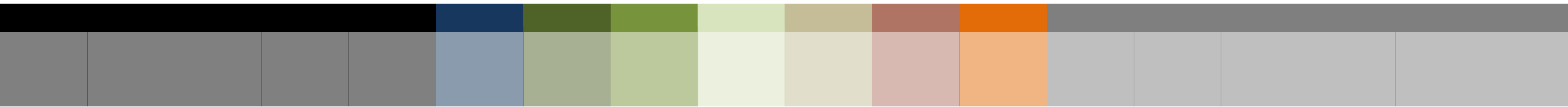
Long-term

- Formal Environmental Documentation/Public Hearing Process
- Corridor Design and Implementation

PERMIAN BASIN MPO POLICY BOARD PROJECT BRIEFING

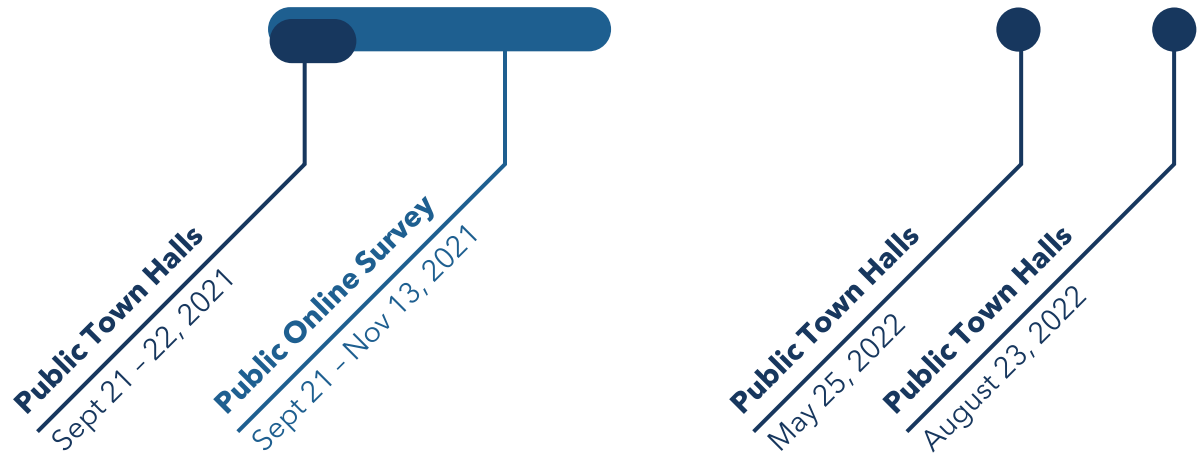
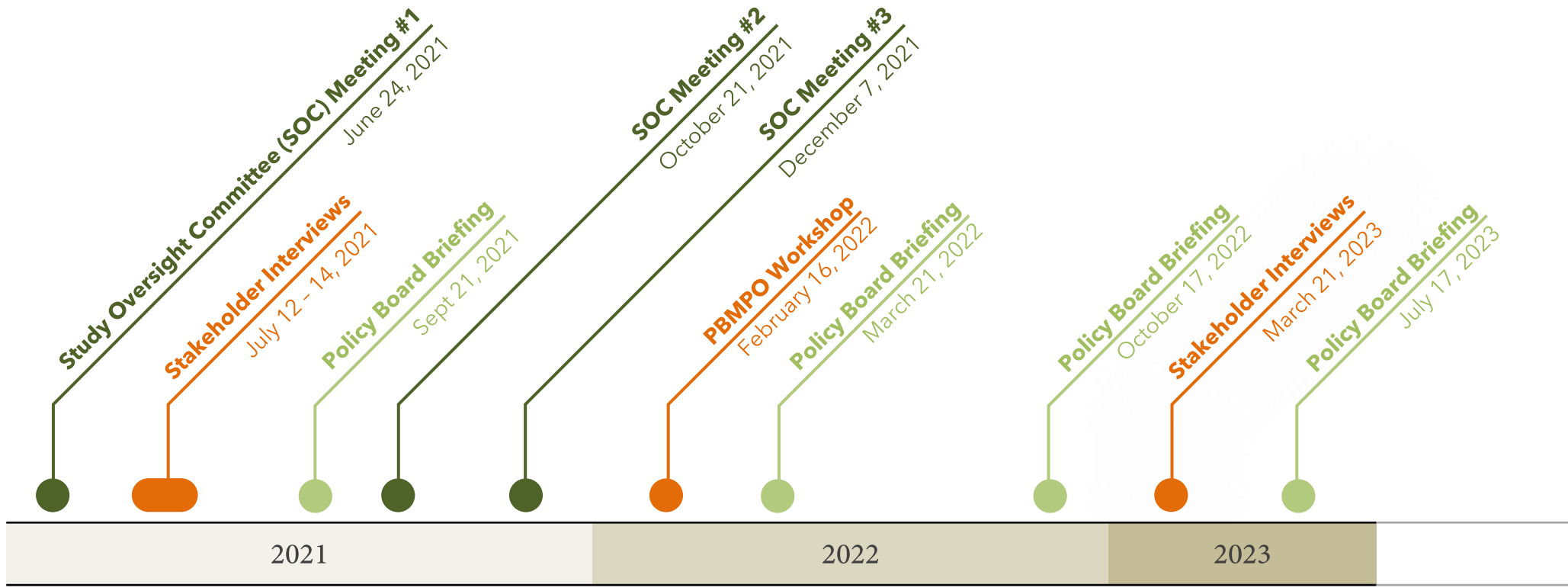
Interregional Planning-Environmental Linkages (PEL) Study

SEPTEMBER 18, 2023



Supplemental Slides

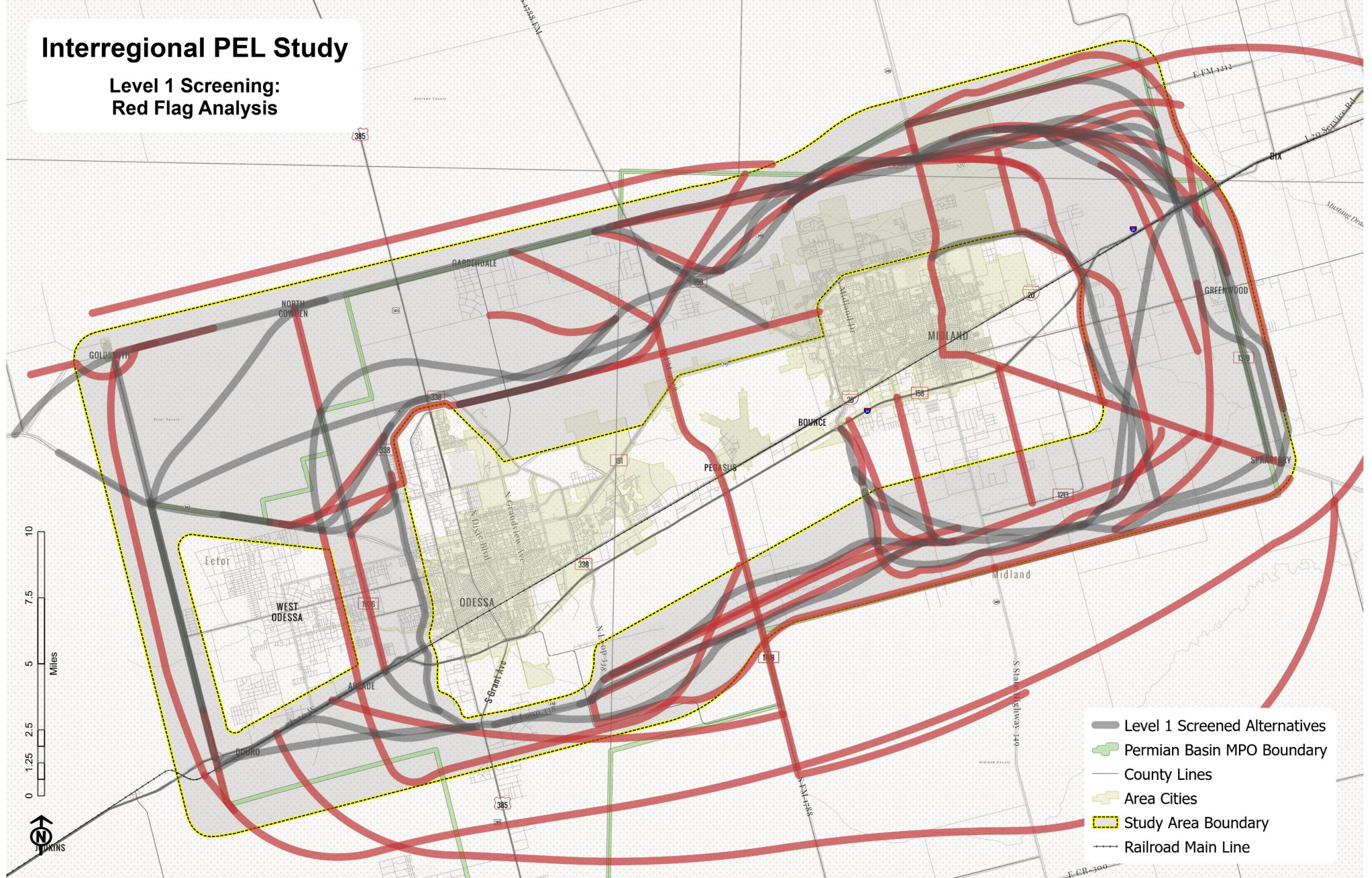




Public Engagement Events

Interregional PEL Study

Level 1 Screening:
Red Flag Analysis



- Level 1 Screened Alternatives
- Permian Basin MPO Boundary
- County Lines
- Area Cities
- Study Area Boundary
- Railroad Main Line

Level 2 Screening Criteria

Consistency with Regional Plans & Infrastructure

Planned and Existing Systems and Projects

Natural Environmental Impacts

Archeological Sites

Threatened/Endangered Species

Parks and Open Space

Agriculture

Oil and Gas Infrastructure

Etc.

Social Environmental Impacts

Vulnerable Populations

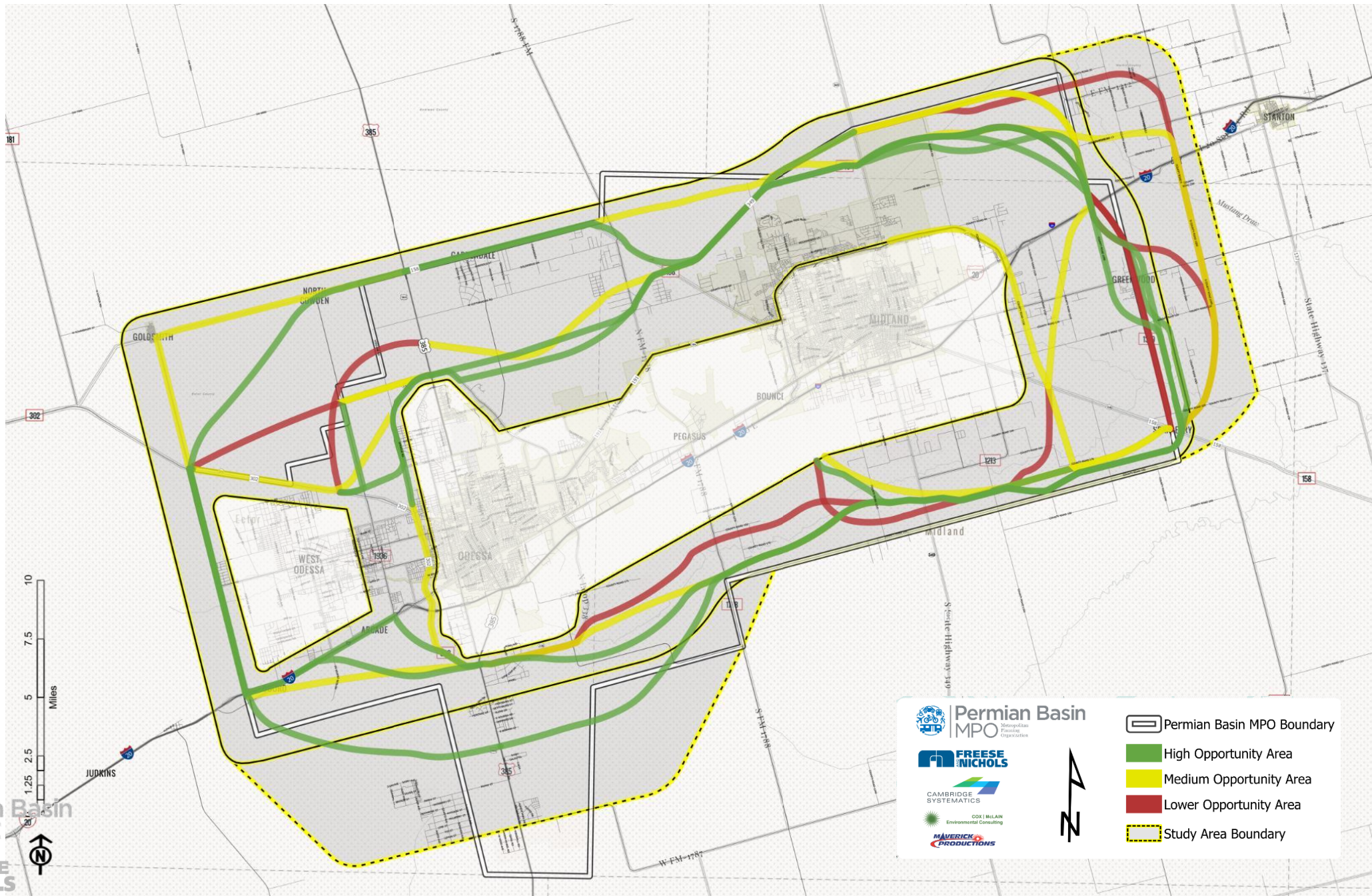
Community Facilities


Sensitive Receptors


Economic Development


Conducive to future job growth


Land Use Compatibility






Permian Basin MPO
 Metropolitan Planning Organization







FREESE AND NICHOLS


CAMBRIDGE SYSTEMATICS

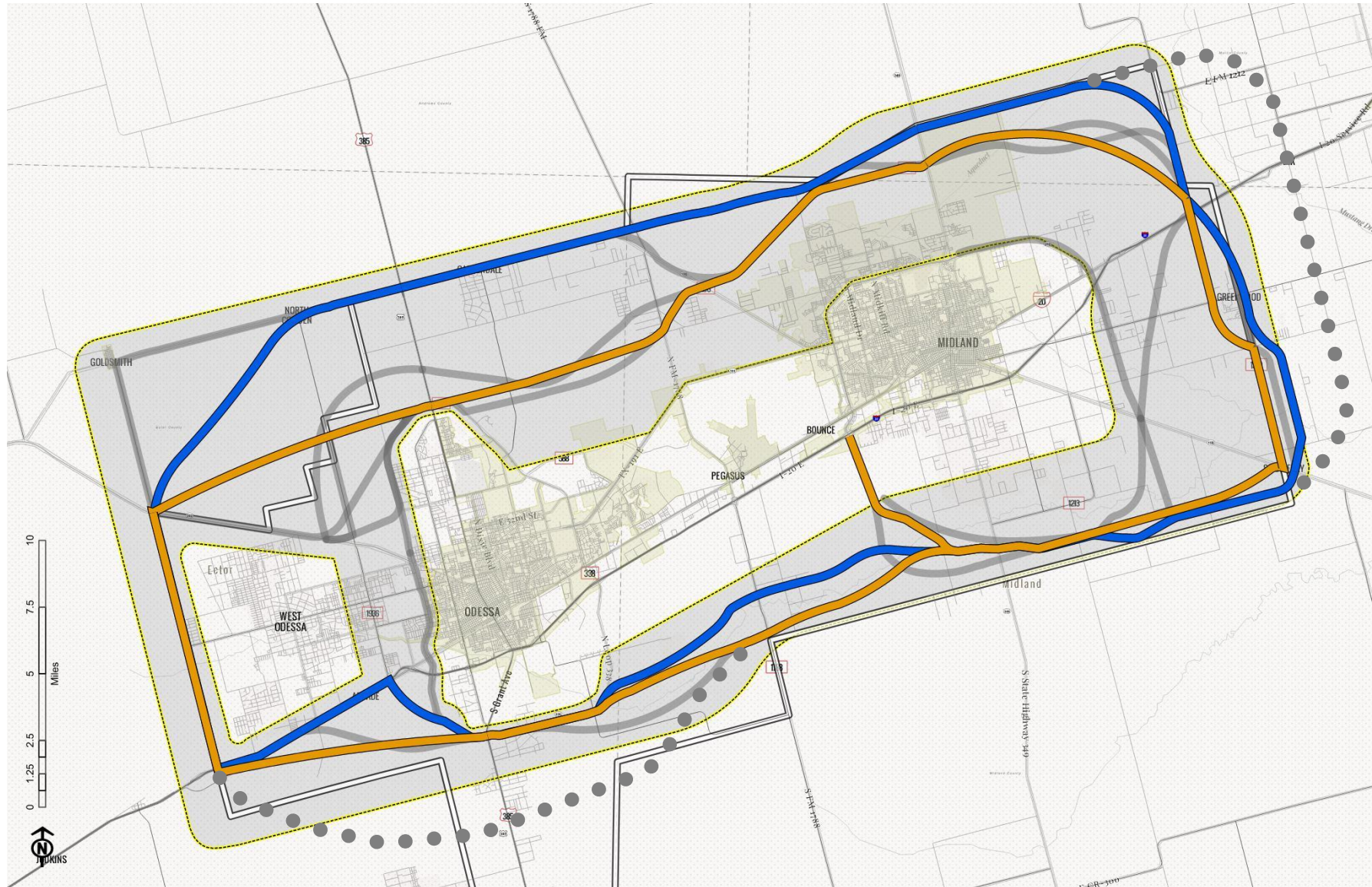

COX | MILAM
 Environmental Consulting


MAVERICK PRODUCTIONS



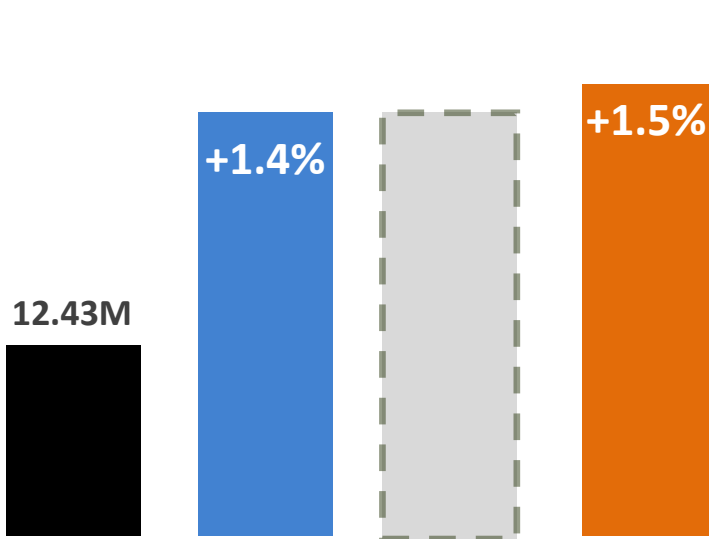
-  Permian Basin MPO Boundary
-  High Opportunity Area
-  Medium Opportunity Area
-  Lower Opportunity Area
-  Study Area Boundary

Modeled Routes

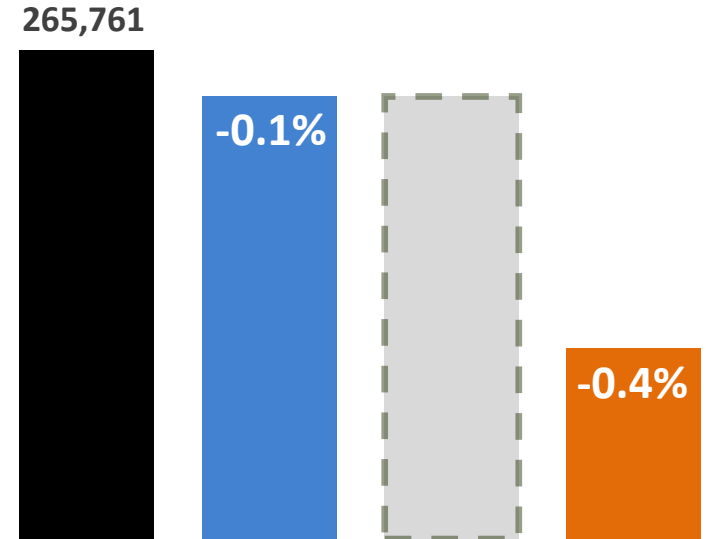


Performance Metrics

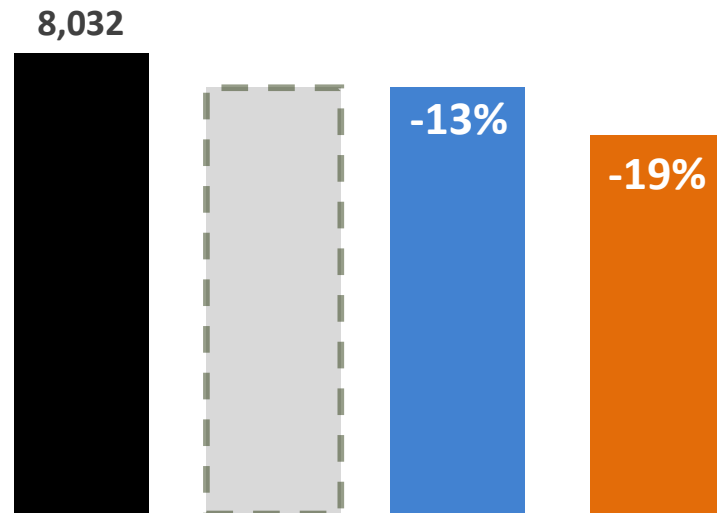
Total Miles Traveled (VMT)



Total Hours Traveled (VHT)



Total Automobile Delay (Hours)



2045 Total Truck Delay (Hours)

