Transportation Sustainability in North Central Texas:
Using INVEST to Evaluate the Dallas-Fort Worth Metropolitan Transportation Plan

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Regional Perspective

Population
• 2012: 6.7 million
• 2035: 9.8 million
• 4th Largest MSA by Population

Area
• 12 counties
• 9,441 square miles
• 2nd Largest Metropolitan Planning Area

Economy
• Home to 18 Fortune 500 Firms
• Ranked 6th in Gross Metropolitan Product
DFW Long-Range Planning Context

- Needs Exceed Available Revenue
- Can’t Build Our Way Out of Congestion
- Use Sustainable Development to Reduce System Demand & Provide Multimodal Options
- Emphasis on Environmental and Quality of Life Issues
- Maximize Existing System
- Invest Strategically in Infrastructure
INVEST System Planning Pilot Test

- SP1: Integrated Planning - Economic Development and Land Use
- SP2: Integrated Planning - Natural Environment
- SP3: Integrated Planning - Social
- SP4: Integrated Planning - Bonus
- SP5: Access and Affordability
- SP6: Safety Planning
- SP7: Multimodal Transportation and Public Health
- SP8: Freight and Goods Movement
- SP9: Travel Demand Management
- SP10: Air Quality
- SP11: Energy and Fuels
- SP12: Financial Sustainability
- SP13: Analysis Methods
- SP14: Transportation Systems Management and Operations
- SP15: Linking Asset Management and Planning
- SP16: Infrastructure Resiliency
- SP17: Linking Planning and NEPA

Fully Met
Partially Met
Not Met
Not Included in Pilot
Where Are We? Where Do We Want To Go?

• Scored better than anticipated, but still had room for improvement
• Current efforts focus on localized/project level implementation
• Future efforts aim to address sustainability throughout the region at the system level
Mobility 2040 Development

- Next iteration of the MTP
- Planning context presents challenges
  - Continued growth
  - Funding shortfalls
  - Air quality nonattainment
- Incorporation of new planning requirements
- Incremental advancement of sustainability
Implementation Activities with INVEST

- SP1: Integrated Planning - Economic Development and Land Use
- SP2: Integrated Planning - Natural Environment
- SP3: Integrated Planning - Social
- SP4: Integrated Planning - Bonus
- SP5: Access and Affordability
- SP6: Safety Planning
- SP7: Multimodal Transportation and Public Health
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Performance Measures Criteria-Emphasis Areas
Not Currently Included
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