

Scope of Work

Texas Department of Transportation

TxDOT shall have the lead in addressing the Dallas-Fort Worth region Freight Mobility Study as part of State freight transportation planning. Tasks for TxDOT and/or their consultant designee are:

- I. Obtain data collection from freight generators and NCTCOG as needed.
 - a. Review previous freight/passenger transportation studies
 - b. Inventory existing freight rail transportation system
 - i. Ownership and operation responsibility
 - ii. Class of track
 - iii. Method and type of dispatching
 - iv. Highway/rail grade crossings
 - v. Main lines, sidings, set out tracks
 - vi. Rail yards
- II. Analyze current freight volumes in the study area by:
 - a. Carrier
 - b. Individual divisions and subdivisions
 - a. Origin & destination
 - i. Local freight or through freight
 - ii. Originating outside district for local destination
 - iii. Originating inside district for other destinations
 - b. Commodity type where feasible
- III. Analyze projected freight volumes in the study area by:
 - a. Carrier
 - b. Individual divisions and subdivisions
 - c. Origin and destination
 - d. Commodity type where feasible
- IV. Develop alternatives and feasibilities for rail system improvements.
 - a. Identify improvements to existing infrastructure to increase efficiencies of current and projected operations
 - i. Track, bridges, additional mains, sidings, and yards
 - ii. Highway/rail grade crossings
 - b. Identify alternative alignments and yard locations to improve current and projected operations
- V. Model existing system, improvements, and alternatives.
 - a. Utilize Rail Traffic Controller modeling software to analyze existing rail lines and improvements to develop realistic cost/benefit analysis
 - b. Utilize Rail Traffic Controller modeling software to analyze alternative alignments and yard locations (as directed) to develop realistic cost/benefit analysis
 - c. Prepare summary reports for each rail line or alternative alignment modeled describing benefits and costs of the recommendation

VI. Analyze Trans-Texas Corridor-35.

By analyzing current and projected traffic volumes and origins/destinations, determine possible freight flows to/from the Trans-Texas Corridor-35 as identified and approved by the Regional Transportation Council and as identified in the TxDOT environmental process.

North Central Texas Council of Governments

NCTCOG shall have the lead in performing the Tower 55 Freight Rail Reliever Study. Tasks for NCTCOG, local partners, and/or NCTCOG's consultant designee are:

- I. Assume responsibility as lead agency for Tower 55 Freight Rail Reliever Study.
 - a. Develop alternatives and feasibilities for rail improvements at Tower 55
 - i. Track improvements/additions
 - ii. Roadway/rail realignments
 - iii. Rail line consolidation
 - iv. Joint use facilities
 - b. Provide rail alternatives to TxDOT for modeling and analysis
 - c. Generate truck traffic volumes
 - d. Determine vehicular freight movement constraints
 - e. Identify freight rail and rail/roadway interface safety issues
 - f. Identify related dedicated truck lane opportunities/constraints
- II. Analyze current and projected vehicular traffic volumes impacted by Tower 55.
 - a. Determine impacts to congestion
 - b. Determine impacts to vehicular emissions
 - c. Develop alternatives and feasibilities for roadway improvements
 - i. Roadway improvements or closures
 - ii. Roadway realignments
- III. Determine feasibilities for identified system improvements and alternatives.
 - a. Utilize modeling results to analyze alternatives
 - b. Establish cost estimates for improvements and alternatives
 - c. Perform conceptual cost-benefit analysis
 - d. Develop potential funding scenarios for preferred alternatives
- IV. Analyze potential passenger and commuter rail routes.
 - a. Network with Amtrak, Dallas Area Rapid Transit, the Fort Worth Transit Authority, the Denton County Transportation Authority, and other stakeholders for input on initiatives
 - b. Identify potential passenger rail corridors
 - i. Analyze current and projected traffic volumes within designated corridors
 - ii. Determine the feasibility of incorporating commuter and passenger rail services utilizing existing freight rail lines
 - iii. Analyze the viability of expanding passenger rail service on existing routes
 - iv. Analyze alternatives to commuter rail on mainline operations such as operating rapid transit services on parallel roadway corridors
 - v. Provide input data on proposed operations to TxDOT for Rail Traffic Controller modeling

- vi. Analyze Rail Traffic Controller modeling results for passenger rail planning initiatives
- V. Communicate study process and identified project benefits/costs for both local and regional freight rail initiatives.
- a. Develop, collect and disseminate study information and public comments on potential air quality, economic development, safety, security, land use, noise, quiet zones, automobile congestion, commuter rail, freight rail, and other impacts related to the overall initiative
 - b. Coordinate comparison of local versus regional alternatives
 - c. Communicate overall results/capital strategy to stakeholders, the public, elected officials, and potential implementation partners
 - d. Lead public involvement for the overall initiative, technical group activities, and related Intermodal, Freight, and Safety and Regional Transportation Council activities
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