STATEWIDE LONG-RANGE TRANSPORTATION PLAN 2035

Texas Transportation Commission Workshop
August 25, 2010

Statewide Long-Range Transportation Plan

The SLRTP-

- "Blueprint" for the future transportation needs of Texas (24-year planning horizon)
- Includes all modes of transportation
- Developed with input from stakeholders, the public, and system users

Elements of the SLRTP

1. Analyzes existing transportation system
2. Analyzes future needs
3. Projects future funding
4. Addresses the 8 planning factors required by federal regulation
5. Addresses all modes and takes into account current plans

Elements of the SLRTP

Elements in proposed Planning and Programming rules-

- Contain goals, including maintenance of the system, reduction of congestion, enhancement of safety, and promotion of economic development
- Include performance measures for each goal
- Identify priority corridors

Questionnaire Results

- 4 out 5 people travel to work or school in personal vehicle
- Most important transportation problems
  - Potholes, crumbling roads and bridges
  - Traffic congestion and delays
  - Limited public transportation service
- Rating potential solutions for improving roads
  - Build more roads or freeways
  - Add shoulders to existing roads
  - Add lanes to existing roads

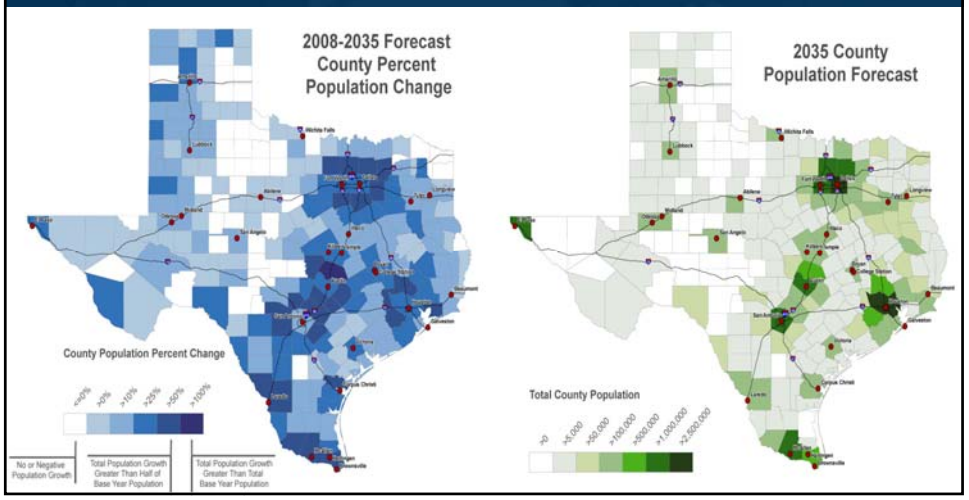
Questionnaire Results

- Move more freight by rail
- Improve public transportation by
  - Add light/commuter rail lines
  - Extend light/commuter rail lines
  - Add more frequent service during weekday rush hours

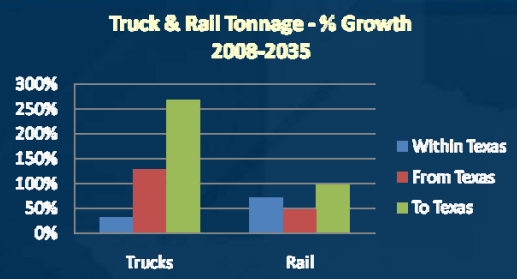
What's Driving Demand?

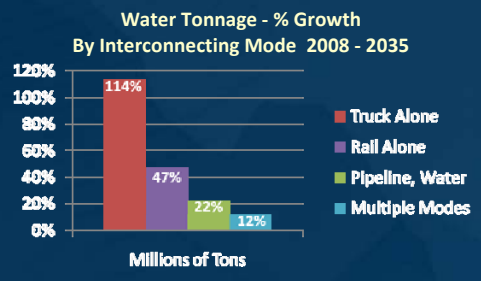
Geography and Population

- 43% population growth: 34 million people by 2035



Freight Demand is Driving Needs





- Total growth (tons), 2008 – 2035
  - Truck: 78%
  - Rail: 77%
  - Waterway/Port: 75%

Highways – Urban and Rural Needs

2035 NEEDS	$ Millions, 2010
Highways	
Metro/Urban Needs	$ 243,155
Routine Pavement Maintenance	7,547
Preventive/Rehabilitative Maintenance (90%)	83,244
Rural Capacity Needs	3,887
Total Highways	**$ 337,833**
Bridges	
Replacement Cost	30,431
Maintenance & Inspection Cost	1,710
Total Bridges	**$ 32,141**
Grand Total	**$ 369,974**

Rail (Draft Texas Rail Plan)

Identified Freight Rail Improvements Costs
($ Millions)

Crossing Closure	Crossing Closure and Pedestrian Bridge	Grade Separation	New Rail Connections	TOTAL
$18.6	$7.0	$2,506.6	$5,228.0	$7,759.9

Public Transportation

- Current Programmed Needs
  - Nearly $90 Billion programmed federal funds through 2035
- Urban
  - Various plans for bus corridors, Bus Rapid Transit
  - Expansion of light/commuter rail lines
- Rural
  - Focused on elderly and special needs mobility
  - Ride matching services, where demand is present

Bicycle/Pedestrian Plans

- Bicycle/Pedestrian plans
  - Are modal elements of Metropolitan Transportation Plans (MPOs) & city plans
  - Are elements of individual roadway project designs
- Current Programmed Needs
  - $15 Million/Year to 2020 for Curb Ramp Program
  - $54 Million in 2009 for Safe Routes to School Program

Waterways and Ports

- Gulf Intracoastal Waterway (GIWW) & Ports
  - $5.75 Billion maintenance and operation projects for ports and waterway through 2035
  - Container volumes are expected to triple by 2035
  - Numerous infrastructure improvements are necessary

Pipelines

- Total Statewide Mileage – 222,285 miles
  - Hazardous liquid line – 56,375 miles
  - Gas Transmission line – 66,918 miles
  - Gas Gathering line – 6,659 miles
  - Gas Distribution line – 92,333 miles
- Regulated by:
  - Texas Railroad Commission
  - USDOT's Pipeline Hazardous Materials Safety Administration (PHMSA)
  - Federal Energy Regulatory Commission (FERC)
- Texas transports 30% of the nation's natural gas production
- Future Needs Market Driven

Aviation

- General Aviation (Five-Year Development Forecast)
  - $600 million in improvements for reliever airports
  - $500 million in improvements for business/corporate
- Examples of Commercial Aviation Development Needs
  - Dallas-Fort Worth: Upgrading terminals, rail service from DART and Fort Worth Transit Authority- $1.5 to $2.0 billion
  - Austin Bergstrom: Terminal expansion, 3rd runway, taxiways, expand parking garage- $2.0 billion

Proposed SLRTP Goals

- Develop Organizational Structure that addresses future needs
- Facilitate Multimodal funding strategies
- Enhance safety for all system users
- Maintain existing Texas transportation system
- Promote congestion relief
- Enhance system connectivity

Highway Funding Forecast – $56 Billion

CATEGORY/PROGRAM	FY 2010–FY 2020 ($millions)	FY 2021–FY 2035 ($millions)
Preventive Maintenance and Rehabilitation	$ 10,724	$ 11,630
Metropolitan Area Corridor Projects	$ 1,963	0
Urban Area Corridor Projects	$ 282	0
Statewide Connectivity Corridor Projects	$ 70	0
Congestion Mitigation and Air Quality improvement	$ 1,246	$ 2,230
Structures	$ 2,813	$ 3,750
Metropolitan Mobility/Rehabilitation	$ 2,106	$ 3,140
Safety	$ 1,444	$ 1,950
Transportation Enhancements	$ 676	$ 900
Supplemental Transportation Projects	$ 818	$ 490
District Discretionary	$ 728	$ 940
Strategic Priority	$ 178	0
UTP SUBTOTAL	**$ 23,048**	**$ 25,030**
Prop 12	$2,000	
Prop 14	$ 818	
Prop 14 Safety Bond	$ 423	
Concession	$ 2,431	
Federal Earmarks	$ 625	
Pass through Finance	$ 749	
ARRA	$ 1,247	
SUBTOTAL	**$ 8,293**	

Transportation Challenges

1. Increasing Demand
2. Vast Needs
3. Limited Funding

Meeting the Challenges

- SLRTP: **Three Strategies**
  1. Maximize Available Resources
  2. Manage demand
  3. Leverage partnerships

SLRTP Strategies – Examples

1. Maximize Available Resources
   - Improve traffic operations with technology upgrades
   - Intelligent Transportation Systems, traveler information
   - Focus on higher value projects by requiring higher B/C and higher cost-effectiveness
   - Prioritize mobility funds for most congested roads
   - Focus maintenance on high volume roads

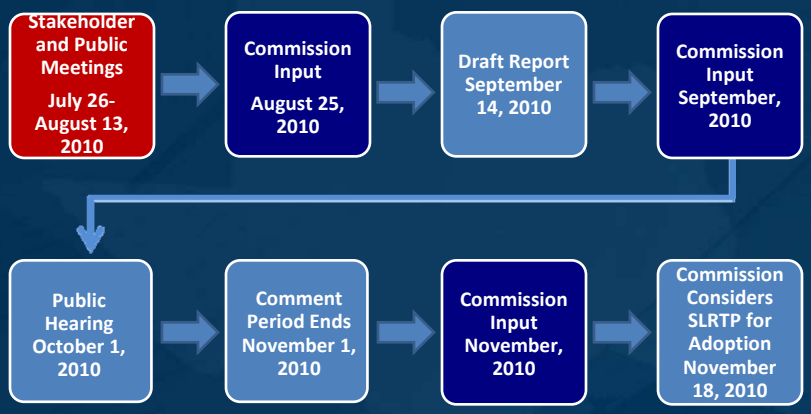
SLRTP Strategies – Examples

2. Manage demand
   - Encourage more telecommuting, off-peak travel
   - Fewer Single Occupant Vehicles, more public transportation, cycling, walking, carpools, vanpools
   - Shift freight from truck to rail where possible
   - Access Management

SLRTP Strategies – Examples

3. Leverage partnerships
   - Pass Through Financing
   - State Infrastructure Bank
   - Private sector
   - Regional Mobility Authorities
   - Local Toll Authorities

Timeline


Stakeholder and Public Meetings
July 26-August 13, 2010
Commission Input
August 25, 2010
Draft Report September 14, 2010
Commission Input September, 2010
Public Hearing October 1, 2010
Comment Period Ends November 1, 2010
Commission Input November, 2010
Commission Considers SLRTP for Adoption November 18, 2010