TEXAS RURAL TRANSPORTATION PLAN 2035 (TRTP 2035) STAKEHOLDER WEBINAR

FEBRUARY 2012

Help shape the future of rural Texas

Texas Department of Transportation

Sign-In

- Please E-mail your sign-in to:
  - **TPP_TxTranPlan@txdot.gov**
  - Subject: TRTP stakeholder webinar participant
  - Name & organization
  - Date and time of webinar
- Email provided comment form to address above

Introductions

TPP & Consultant Team
On the phone today…

	Organization	Project Role
Peggy Thurin, PE	TxDOT – TPP Division	Contract/Project Manager
Tracy Hill, PE	Atkins	Project Manager
Michelle Conkle	TxDOT – TPP Division	Transportation Planner
Keith Jasper	Delcan	Non-Highway Modes
Thomas Williams, AICP	Atkins	Highway Planning
Tina Walker, PE	URS	Highway Planning
Byron Chigoy	Atkins	Transportation Planner
Justin LaFerriere	Community Awareness Services (CAS)	Public Involvement

Introductions

Technical Advisory Committee

	Organization	Project Role
Peggy Thurin, PE	TxDOT – TPP Division	Contract/Project Manager
Ed Collins	TxDOT – Austin District	Bicycle/Pedestrian Representative
Kelly Kirkland	TxDOT – Public Transportation Division	Public Transportation Representative
Ed Kabobel	TxDOT – Waco District	District Representative
Scott Gallagher	TxDOT – Aviation Division	Aviation Representative
Jack Foster, PE	TxDOT – TPP Division	Director of Systems Planning
Michelle Conkle	TxDOT – TPP Division	Transportation Planner
Cindy Mueller	TxDOT – GPA	Government and Public Affairs

Webinar Instructions

- Keep all phones on “mute”
- Use chat to Peggy Thurin to ask a question

Agenda

- Update on TRTP Progress
- Non-Highway Modes in the TRTP
- Development of Highway Project Lists
- Highway Project List Criteria
- Ranked Project Listings
- Upcoming Tasks and Meetings

Texas Rural Transportation Plan 2035

What is it?

- Component of the Statewide Long-Range Transportation Plan 2035 (SLRTP)
- Ranking of non-MPO highway projects (20+ year planning horizon)
  - Projects not in the Unified Transportation Program
  - Rural (non-MPO) Areas only
- Considers needs of non-highway modes
- Developed with input from all stakeholders and system users of all modes

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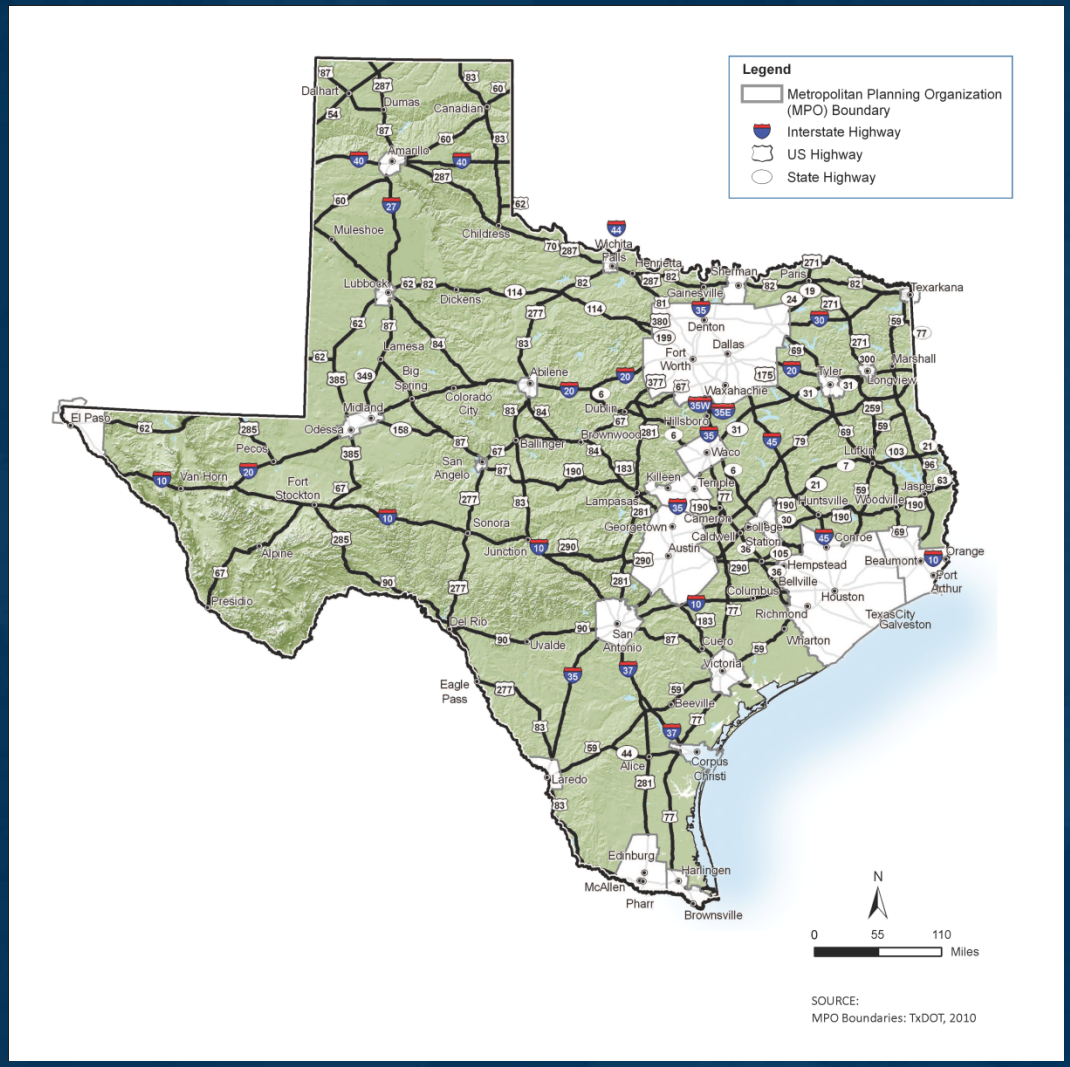
TRTP Study Area



What is the TRTP?

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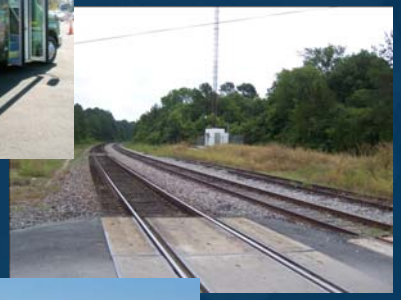
TRTP Progress So Far

- Gathered information on non-highway modes
- Identified unfunded, rural added-capacity highway projects
- Developed project ranking criteria and data
- Developed ranking tool and distributed preliminary results
- Currently vetting process and results with
  - Stakeholders
  - TxDOT Districts

TRTP and Non-Highway Modes

- Goal of TRTP for non-highway modes is…
  - Provide a multi-modal context to better define needs
- Modes include
  - Bicycle/Pedestrian
  - General Aviation
  - Ports & Waterways
  - Railroads
  - Transit



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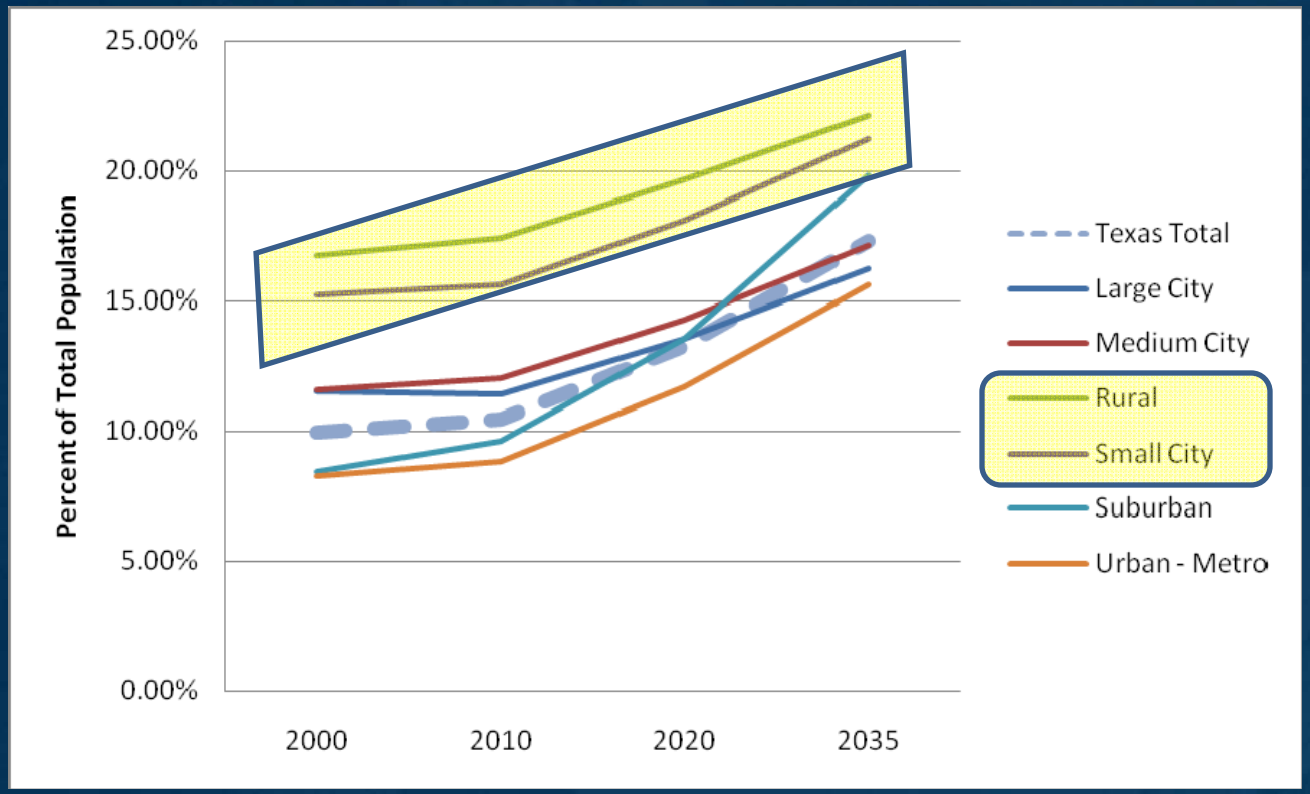
TRTP and Non-Highway Modes

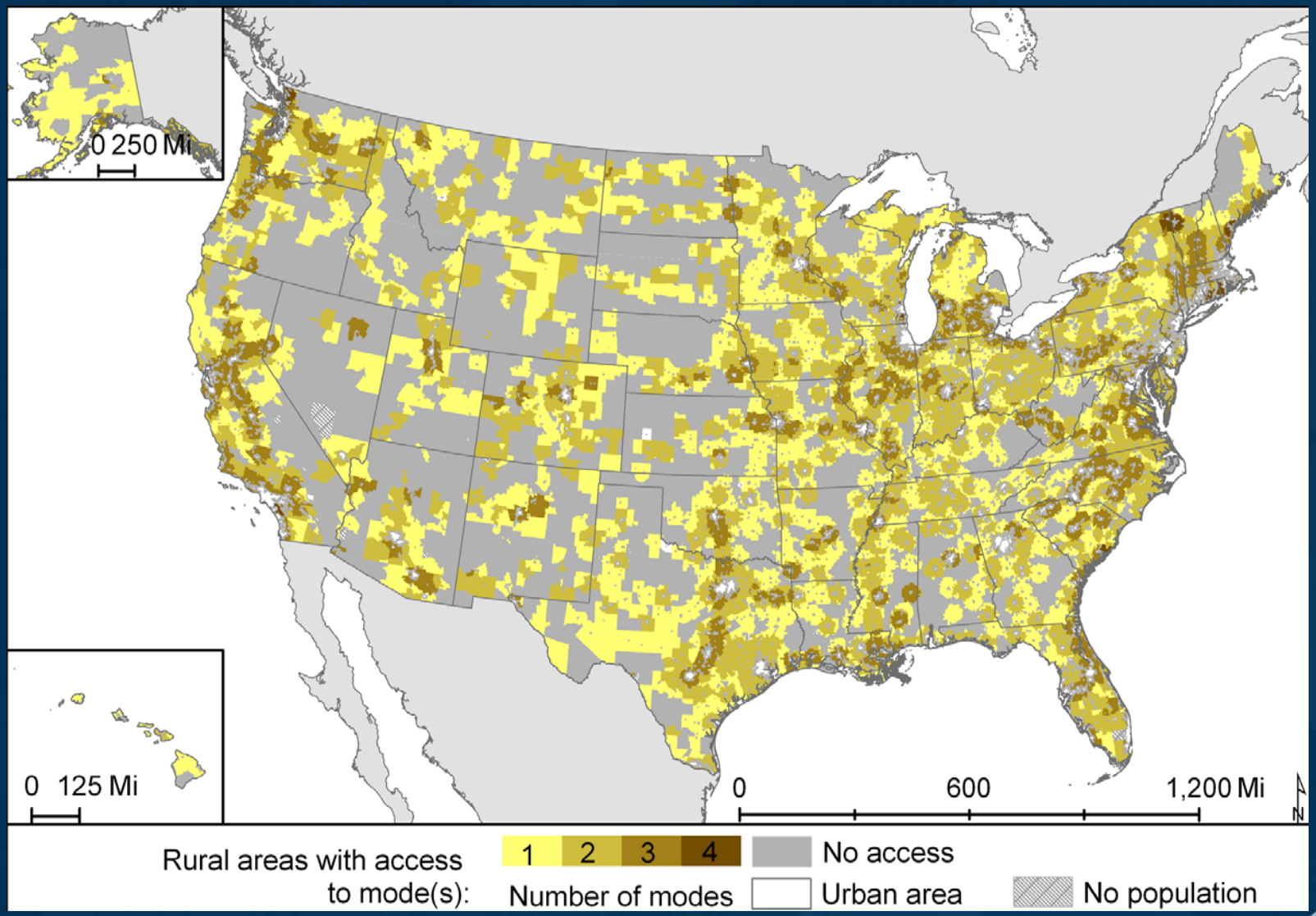
- For the non-highway modes, the TRTP will
  - Discuss rural transportation needs
  - List known non-highway projects
- The TRTP will not
  - Rank or prioritize projects for non-highway modes

% Population 65+, 2000-2035



Rural/Small counties will continue to have a higher proportion of their population in the 65+ category as compared to other county types

Access to Inter-City Services, 2010



Non-Highway Modes

<u>Bicycle/Pedestrian</u>

- Most issues have to do with accommodation of bicycles and pedestrians along rural highways (using newer design standards, mandates, or commitments)
  - Position of rumble strips on highway shoulders
  - Pavement roughness and the sealant material
  - 'Complete Streets' concept
- Cycling provides potential for mobility and quality of life benefits
- Economic benefit (tourism)

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Non-Highway Modes

General Aviation

- Coordination activities include
  - TxDOT Aviation Division/Advisory Committee
- GA airports are an essential component to economic development, but not a primary source of passenger travel
- The 2010 Texas Airport System Plan (TASP) includes needs over the next five years for
  - $251M for 67 Business/Corporate GAs
  - $171M for 106 Community Service GAs

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Non-Highway Modes

Ports & Waterways

- Coordination activities include
  - US Army Corps of Engineers
  - Stakeholders
- Most rural inland waterway use is recreational
  - Few if any rural freight or passenger applications
- Research activities are ongoing
  - Red River navigability (Bowie County to Shreveport, LA)
  - Rural ports

Non-Highway Modes

Rail

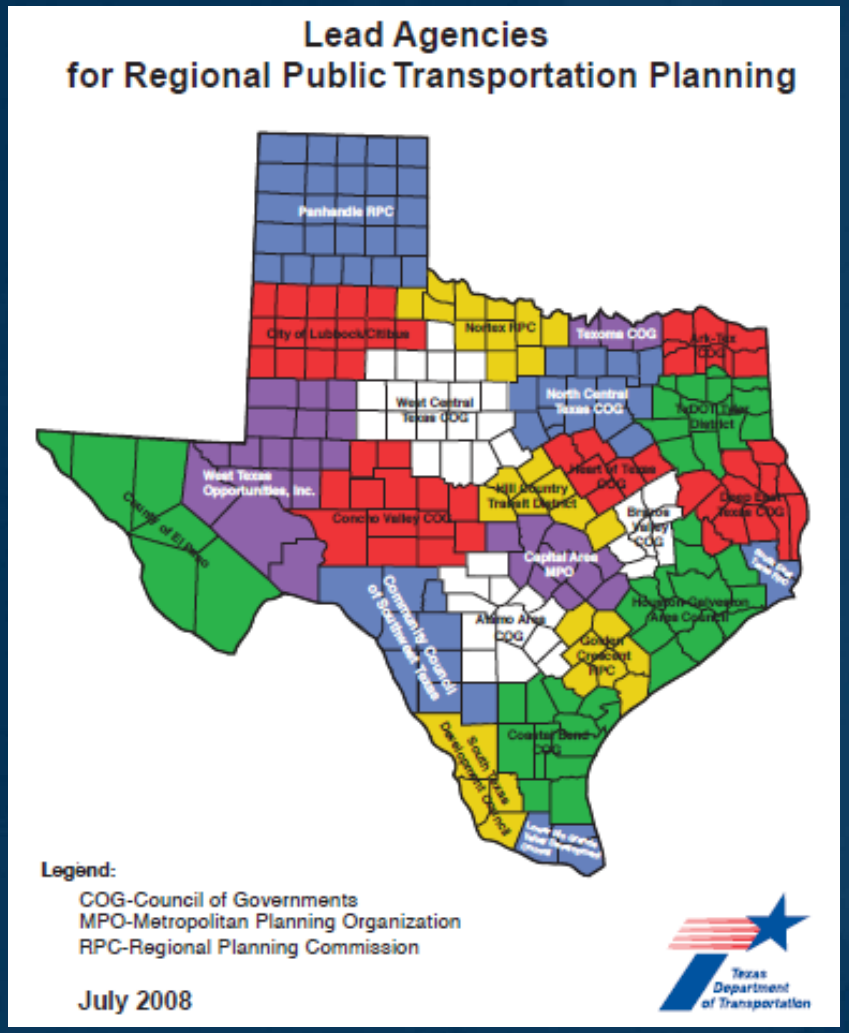
- Coordination with TxDOT Rail Division and railroad companies
- Freight
  - Class 1s unlikely to expand business with shortlines
    - One opportunity with a Shortline RR identified
  - Limited opportunity to transfer truck freight to rail
    - Exploring need for rail for new oil/gas production
- Passenger Rail – TxDOT Studies
  - OK City to South Texas
  - Dallas/Fort Worth to Houston

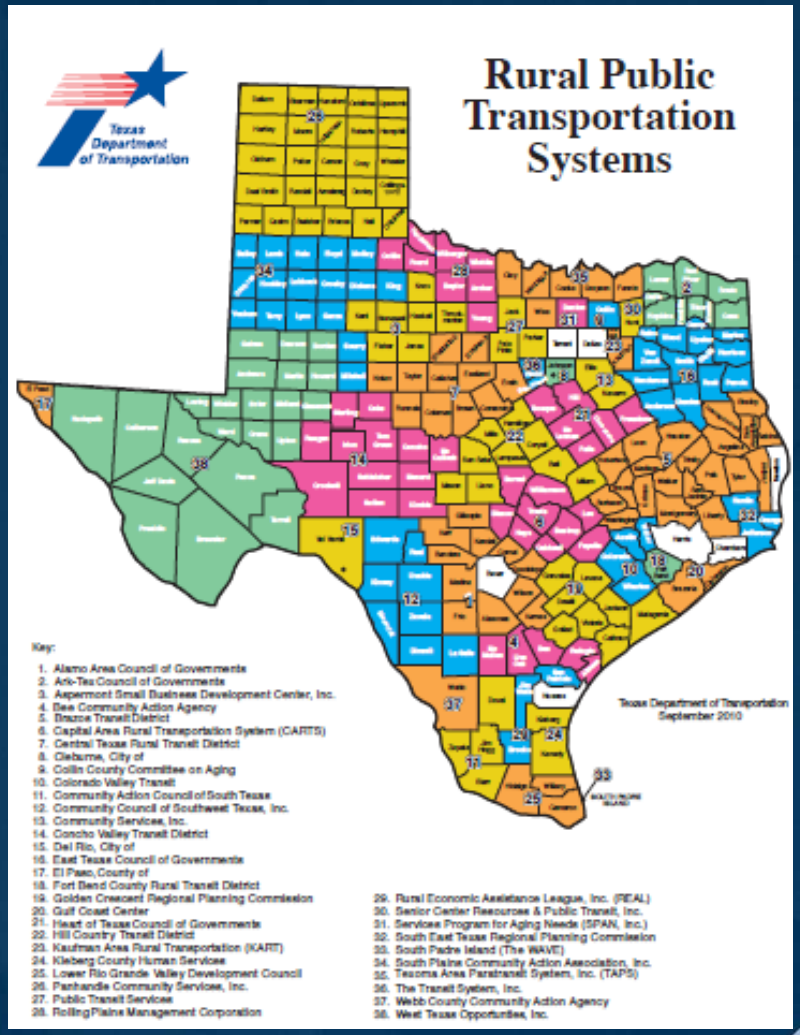
Non-Highway Modes

Transit

- Coordination with
  - TxDOT Public Transportation Division
  - Transit Operators Semi-Annual Business Meeting
  - State Department of Agriculture
- TxDOT PTN Division/TTI developing public transportation TRTP component
  - Three webinars
  - Long-range view of capital and operational needs
- Inter-city buses

Rural Transit Coordination





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Non-Highway Modes

Transit

- Regional Transportation Coordination Plans
  - First round in 2006
  - Second round due late 2011/early 2012
- Identify gaps in rural transit service
- Identify best practices

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Questions for Non-Highway Modes?

TRTP and Highways

Highway Project Lists – Sources of Data

- TxDOT DCIS
- Unfunded Project Lists
- TxDOT Super 2 Report
- Comparison to Proposition 12 Projects
- District Input
- Stakeholder Input

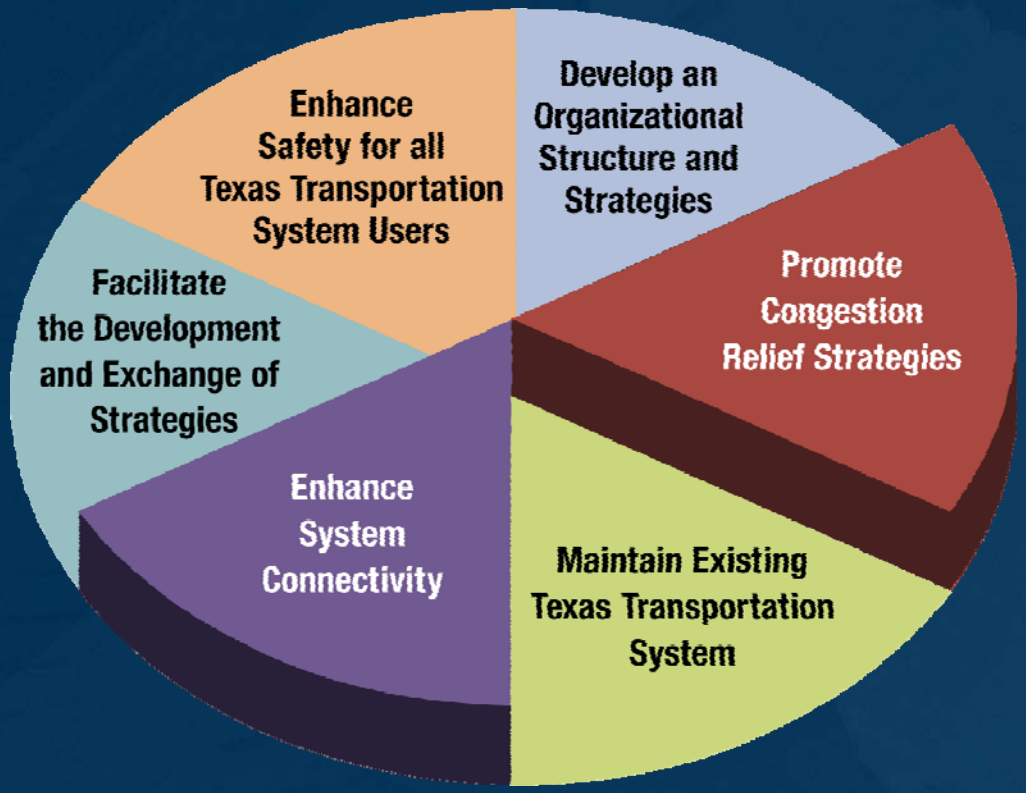
TRTP and Highways

Highway Projects Considered

- Added capacity
  - Expanding 2 lanes to 4 lanes
- Capacity enhancements
  - "Super 2"
  - Adding frontage roads
  - 2-way left turn lanes
  - Undivided to divided

TRTP and Highways

SLRTP Goals and TRTP Criteria



- TRTP criteria are based on two of the six goals:
  - Mobility
  - Connectivity

Highway Scoring Criteria

- Connectivity
  - Trunk System
  - System Gap
  - Freight Movement
  - Accessibility to population centers
  - Hurricane Evacuation Route (HER)
- Mobility
  - Population near project (5-mile buffer)
  - Cost effectiveness
  - Volume-to-capacity ratio (LOS)
  - Truck and total traffic
  - Safe passing needs

Feedback from Stakeholders

- Initial Meetings held in 8 Locations (August 2011)
- Questionnaire – 100 responses
- Summary of results to evaluate weighting of criteria

# of Responses	
San Angelo	10
Alpine	6
Lubbock	12
Wichita Falls	9
Alice	10
Lufkin	22
Atlanta	17
Belton	12

Texas Rural Transportation Plan 2035

Shaping the Future of Rural Texas

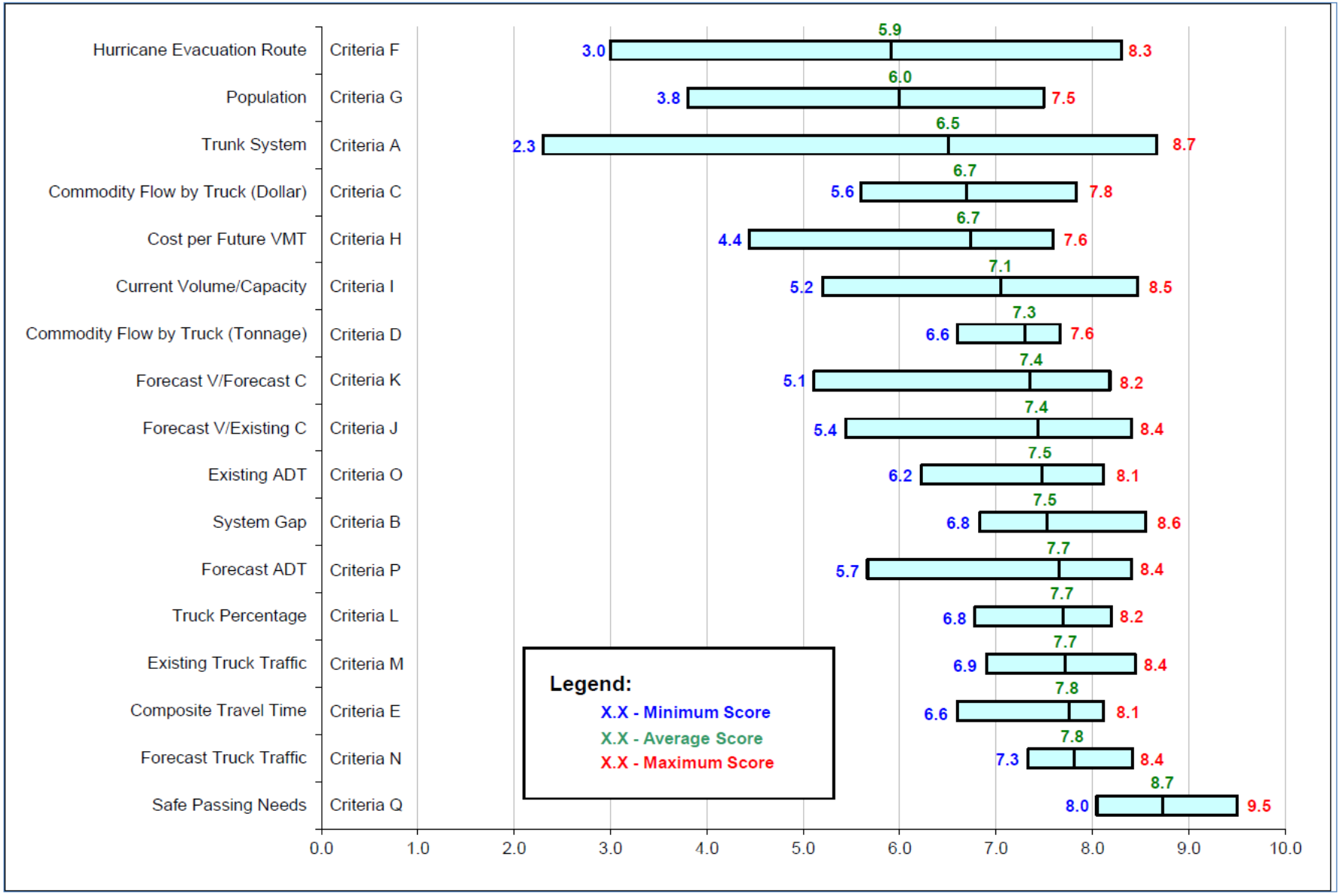
CRITERIA QUESTIONNAIRE

Stakeholder Meeting #1: 2011
[Location/Date]

Please rate the overall importance of each of the following criteria for prioritization of rural highway projects:

CRITERIA	Criteria Questions	How important is this criteria? (Circle One) Less Important > More Important									
Trunk System	Is project on the Texas Trunk System?	1	2	3	4	5	6	7	8	9	10
System Gap	Is there a difference in the number of lanes on either end of the project that the proposed project will address either completely or partially?	1	2	3	4	5	6	7	8	9	10
Truck Freight Movement: Tonnage	How much TONNAGE of freight is generated in or shipped to the county	1	2	3	4	5	6	7	8	9	10
Truck Freight Movement: Dollars	How many DOLLARS of freight are generated in or shipped to the county	1	2	3	4	5	6	7	8	9	10
Accessibility	Compared to the other projects, how well does project connect people and jobs?	1	2	3	4	5	6	7	8	9	10
Hurricane Evacuation Route	Is the project on Hurricane Evacuation Route or intersect one?	1	2	3	4	5	6	7	8	9	10
Population	Compared to other projects, how many people live within X miles of the project?	1	2	3	4	5	6	7	8	9	10
Cost Effectiveness (Cost per future VMT)	How does the construction cost compare to the forecasted usage?	1	2	3	4	5	6	7	8	9	10
Existing Volume on Existing Capacity (V/C Ratio)	Is there an existing congestion problem?	1	2	3	4	5	6	7	8	9	10
Forecast Volume on Existing Capacity (V/C Ratio)	Will there be a congestion problem in the future if the project isn't built?	1	2	3	4	5	6	7	8	9	10
Forecast Volume on Future Capacity (V/C Ratio)	How well does the project address the congestion problem?	1	2	3	4	5	6	7	8	9	10
Truck Percentage	Is there a large percentage of current truck traffic on the facility that could affect travel? (% trucks)	1	2	3	4	5	6	7	8	9	10
Existing Truck Traffic (trucks per day)	How much current truck traffic travels within the project limits that could affect travel? (# of trucks)	1	2	3	4	5	6	7	8	9	10
Forecast Truck Traffic (trucks per day)	How many trucks are forecast to be traveling within the project limits that could affect travel?	1	2	3	4	5	6	7	8	9	10
Existing Total Traffic (vehicles per day)	What is the current traffic volume within the project limits that could affect travel?	1	2	3	4	5	6	7	8	9	10
Forecast Total Traffic (vehicles per day)	What is the forecast traffic volume within the project limits that could affect travel?	1	2	3	4	5	6	7	8	9	10
Safe Passing Needs	Can you pass safely on the current highway?	1	2	3	4	5	6	7	8	9	10

Questionnaire Results



Project Ranking Process

- Input projects and data (e.g. traffic, population etc.)
- Scored projects on each criteria
- Weighted scores using stakeholder input
- Performed sensitivity analysis
  - Tested removal of individual criteria measures
  - Removing any single criteria does not significantly affect ranking
  - This process results in the preliminary rankings you have been provided

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Project Ranking Tool

RTP ID	District	County	Hwy_No	Limit From	Limit To	Cost Estimates (Criteria H)	Stated Length of Project	Length of RHiNO Links	2009 ADT on Current Design LOS (Criteria I)	2035 ADT on Current Design LOS (Criteria J & K)	2035 ADT on FY Design LOS (Criteria J & K)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	Score	Rank
198	Bryan	Washington	SH 36	SH 36 NORTH	US 290 WEST	$ 11,100,000	2.77	4.68	D	F	B	5	10	9	8	8	2.5	9	8	6	10	8	4	9	9	9	9	9	787.8	1
374	Corpus Christi	Nueces	LP 44	SH 44, APPROX. 1.5 MI W OF ROBSTOWN	US 77,APPROX. 1.24 MI S OF ROBSTOWN	$ 60,000,000	9.00	0.299	E	F	C	5	0	10	10	9	10	10	5	8	10	6	8	9	9	8	8	8	780.1	2
1261	San Antonio	COMAL	FM 725	IH 35	GUADALUPE/COMAL COUNTY LINE	$ 5,540,000	1.08	1.231	E	F	C	0	10	10	10	10	1.3	10	9	8	10	6	1	8	8	10	10	4	741.0	3
99	Yoakum	Austin	IH 10	COLORADO C/L	FM 3538	$ 113,781,000	8.92	8.451	D	E	D	5	10	8	8	10	5	7	8	6	8	1	8	10	10	10	10	0	729.7	4
197	Bryan	Walker	IH 45	THE MONTGOMERY COUNTY LINE	FM 1375	$ 5,600,000	1.86	1.673	E	F	F	5	10	8	8	10	2.5	5	10	8	10	0	6	10	10	10	10	0	723.9	5
59	Tyler	Anderson	US 79	1.6 MI SW OF LP 256 IN PALESTINE, S	0.4 MI SW OF FM 645	$ 31,408,562	5.30	5.007	E	F	C	5	7	8	7	6	1.3	9	7	8	10	6	7	10	9	9	9	4	723.4	6
61	Tyler	Cherokee	US 79	2.7 MI W OF SH 110, W	0.1 MI E OF SH 204 IN JACKSONVILLE	$ 18,700,000	4.88	4.859	D	E	B	5	8	9	8	9	1.3	9	7	6	8	6	7	9	9	8	8	4	717.7	7
425	Lufkin	Nacogdoches	LP 224	FM 2609	SH 7	$ 11,592,000	3.26	3.262	D	E	B	0	10	9	9	8	0	10	9	6	8	6	3	8	9	8	9	8	716.1	8
87	Lufkin	Angelina	US 69	HUNTINGTON	SH 63 IN ZAVALLA	$ 56,385,500	11.97	10.975	D	E	A	10	10	10	10	5	2.5	6	5	6	8	8	6	8	8	8	7	4	715.7	9
1020	Atlanta	Harrison	IH 20	LOUISIANA STATE LINE	GREGG COUNTY LINE (TYLER DISTRICT)	$ 111,720,000	39.19	39.031	D	E	D	5	3	9	10	8	2.5	10	10	6	8	1	9	10	10	10	10	0	711.5	10
601	Yoakum	Austin	IH 10	BRAZOS RIVER	SH 36 IN SEALY	$ 75,400,000	7.18	9.087	E	F	E	5	1	8	8	10	5	8	9	8	10	1	8	10	10	10	10	0	708.8	11
138	San Antonio	Comal	LP 337	0.852 MI EAST OF SH 46	HILLCREST DRIVE	$ 30,000,000	4.79	4.718	E	F	B	0	7	10	10	10	1.3	10	8	8	10	8	1	4	4	10	10	8	707.3	12
423	Lufkin	Nacogdoches	LP 224	SH 7	SH 21	$ 5,377,000	0.85	4.339	C	F	B	0	1	9	9	7	2.5	10	8	4	10	8	4	9	9	10	10	8	705.0	13
407	Lufkin	Angelina	US 59	FM 3482	FROM FM 3482 TO 0.96 MI SO OF FM 819	$ 40,328,000	1.79	1.354	D	F	F	5	1	10	10	8	2.5	10	7	6	10	0	7	10	10	10	10	2	696.1	14
1096	Bryan	Walker	US 190	SH 19	SAN JACINTO COUNTY LINE	$ 35,700,000	11.91	13.488	D	E	B	5	10	8	8	9	1.3	10	8	6	8	6	2	5	5	9	8	9	694.6	15
77	Tyler	Smith	IH 20	ON IH 20 FROM THE KAUFMAN C/L, E	THE HARRISON C/L	$ 476,570,000	83.38	82.954	C	E	D	5	0	10	10	9	2.5	10	9	4	8	1	10	10	10	10	10	0	694.3	16
1095	Bryan	Robertson	US 79	SH 6 I/C NORTH OF HEARNE	3.3 KM W OF FM 46	$ 41,000,000	13.68	8.278	D	E	B	5	8	4	6	6	1.3	6	8	6	8	6	8	9	9	8	8	9	692.1	17
1099	Bryan	Walker	SH 30	GRIMES COUNTY LINE	FM 1791	$ 41,800,000	13.93	13.935	D	E	A	5	4	8	8	9	2.5	10	8	6	8	8	3	6	6	8	8	9	688.9	18
1016	Atlanta	Upshur	US 271	SH 155	0.4 MI NORTH OF GREGG COUNTY LINE	$ 43,400,000	11.16	12.976	D	E	B	0	10	5	5	9	0	9	8	6	8	6	5	9	9	8	8	9	686.3	19
1174	Laredo	Webb	SH 359	SL 20	5.0 MI EAST OF SL 20	$ 18,000,000	5.00	5.554	D	E	B	0	1	10	10	6	2.5	10	8	6	8	6	5	9	9	8	8	9	686.2	20
95	Lufkin	Shelby	US 96	LP 500	M 0.5 MI SOUTH OF LP 500 TO SH 7 IN CEN	$ 9,418,000	2.05	2.009	D	E	A	5	9	7	7	5	2.5	6	7	6	8	8	6	9	9	9	8	4	685.0	21
1121	Corpus Christi	Nueces	US 77	FM 70	KLEBERG CO. LINE	$ 20,400,000	2.47	2.863	C	D	D	5	0	10	10	9	10	6	8	4	6	0	7	10	10	10	10	2	682.7	22
428	Lufkin	Polk	US 59	US 287	0.7 MILES SOUTH OF DRY CREEK	$ 49,750,000	3.50	0.092	D	F	B	5	0	8	9	5	2.5	5	4	6	10	8	9	10	10	10	9	4	682.0	23
1267	San Antonio	COMAL	SH 46	KENDALL/COMAL COUNTY LINE	US 281	$ 39,500,000	8.78	8.729	D	E	B	0	10	10	10	10	1.3	8	8	6	8	6	2	6	7	9	9	4	677.5	24
1019	Atlanta	Bowie	IH 30	HOOKS	ARKANSAS STATE LINE	$ 49,875,000	17.46	15.683	C	E	C	5	1	10	9	7	0	10	10	4	8	2	9	10	10	10	10	0	675.0	25
451	Lufkin	Shelby	US 96	0.5 MI S OF LOOP 500	FM 417	$ 18,962,000	4.19	4.305	D	E	A	5	6	7	7	5	2.5	6	5	6	8	8	8	8	8	7	7	9	672.6	26
85	Lufkin	Angelina	US 59	FM 325	SH 103	$ 20,824,000	1.14	0.939	C	E	D	5	1	10	10	8	2.5	10	7	4	8	1	6	10	10	10	10	2	672.3	27
573	Tyler	Rusk	US 79	0.4 MI SW OF LP 571 (CR 403), SW	1.5 MI NE OF SH 42	$ 4,610,400	5.76	5.741	D	E	D	0	8	8	10	8	1.3	9	10	6	8	1	8	9	9	7	7	4	671.7	28
107	Yoakum	Colorado	IH 10	SH 71	COLORADO RIVER BRIDGE	$ 29,964,000	2.72	2.703	C	E	C	5	1	8	10	9	5	6	7	4	8	2	9	10	10	10	10	0	670.9	29
108	Yoakum	Colorado	IH 10	COLORADO RIVER BRIDGE	AUSTIN C/L	$ 174,939,600	13.72	14.227	D	E	D	5	1	8	10	7	5	6	8	6	8	1	9	10	10	10	10	0	669.2	30
563	Tyler	Anderson	US 79	0.4 MI SW OF FM 645	0.7 MI W OF SH 294	$ 7,953,501	3.30	3.556	E	E	B	5	4	8	7	6	0	3	9	8	8	6	8	9	9	9	9	4	668.9	31
424	Lufkin	Nacogdoches	LP 224	US 59	NORTH STREET (BU 59-F)	$ 8,726,000	1.45	1.448	D	E	A	0	4	9	9	7	1.3	10	6	6	8	8	3	8	8	8	9	8	668.7	32
536	San Antonio	Guadalupe	IH 10	BEXAR/GUADALUPE COUNTY LINE	1.7 MI S OF GUADALUPE RIVER	$ 183,020,000	9.15	8.722	D	E	D	5	1	9	9	10	2.5	8	6	6	8	1	8	10	10	10	10	0	668.4	33
566	Tyler	Cherokee	US 79	1.2 MI NE OF FM 747, SW	ANDERSON C/L AT NECHES RIVER	$ 7,572,000	9.47	9.98	D	E	D	5	3	9	8	8	1.3	9	10	6	8	1	10	9	9	7	6	4	667.5	34
412	Lufkin	Angelina	US 59	SH 103	OLD MOFFETT ROAD	$ 12,000,000	0.74	1.439	C	E	E	5	1	10	10	8	2.5	10	7	4	8	0	6	10	10	10	10	2	666.3	35
408	Lufkin	Angelina	US 59	0.5 MI SOUTH OF FM 819	FROM 0.96 MI S OF FM 819 TO FM 2108	$ 30,075,000	2.41	3.375	C	E	E	5	1	10	10	6	2.5	10	7	4	8	0	8	10	10	10	10	2	666.2	36

PROJECT_LIST_FORMATTED | VERSIONING_CHANGES | EA_vs_NA | NA_SENSITIVITY | EA_SENSITIVITY | WEIGHTS | PROJECT_RANK_CALCULATOR | COUNTY_LEVEL_INPUT_DATA | DATA_LOOKUP_TABLES_BEGIN | PROJ_DCIS&DIST

- Just under 600 projects evaluated

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Highway Scoring Criteria - Examples

- US 83, San Angelo District, Kimble County
  - 3.2 miles
  - Upgrade rural 2-lane undivided to rural 4-lane divided
  - Score: 450
- US 190, Lufkin District, Polk County
  - 3.5 miles
  - Upgrade rural 2-lane undivided to rural 4-lane divided
  - Score: 633

Highway Scoring Criteria - Connectivity

- Trunk System
  - Defined network for rural connectivity
  - 10 points for Phase 1 Corridors,
    5 points for Other Trunk
- Example:
  - US 83 – Priority 1 Trunk, 10 points
  - US 190 – Other Trunk, 5 points

Highway Scoring Criteria - Connectivity

- System Gap
  - Does the project fall between two segments of roadway with more lanes (a bottleneck)?
  - 10 points for completing the entire gap
  - Scored proportionally for partial completion
    - project length/gap length
- Example:
  - US 83 – 1 point, partial completion
  - US 190 – 2 points, partial completion

Highway Scoring Criteria - Connectivity

- Truck Freight Movement
  - Indirect measurement of transportation-related economic output
  - Dollars & tonnage flowing in/out of each county
  - Used Statewide Analysis Model (SAM)-V2 model results
  - Scored as a percentile rank from 1 to 10
    - E.g. – 90th percentile of counties gets 10 points, next highest gets 9 points, etc.

Highway Scoring Criteria - Connectivity

- Truck Freight Movement (cont'd)
  - Example Project

    Tonnage:

    •US 83 – Kimble County, 40th percentile, 5 points

    •US 190 – Polk County, 80th percentile, 9 points

    Dollars:

    •US 83 – Kimble County, 40th percentile, 5 points

    •US 190 – Polk County, 70th percentile, 8 points

Highway Scoring Criteria - Connectivity

- Accessibility
  - How does the project connect population and employment centers?
  - Used SAM-V2 model zones
  - Model zones population within 60 minutes of center of project divided by travel time to center of project
  - Scored as a percentile rank from 1 to 10
- Example:
  - US 83 – Kimble County, bottom percentile, 1 point
  - US 190 – Polk County, 50th percentile, 6 points

Highway Scoring Criteria - Connectivity

- Hurricane Evacuation Route (HER)
  - Is the project on a designated HER (10 points) or is it on a connector to an HER (5 points)?
  - Since there are many HER inland from the coast, a factor was applied for location relative to Gulf of Mexico.
    - Counties along Gulf coast, including San Patricio, got a factor of 1.0
    - Next tier of counties got a factor of 0.75
    - Third tier: 0.5
    - All other counties: 0.25

Highway Scoring Criteria - Connectivity

- Hurricane Evacuation Route (cont'd)
  - Example for HER
    - US 181 in San Patricio County: 10 x 1 = 10
    - US 181 in Bee County: 10 x 0.75 = 7.5
    - US 181 in Karnes County: 10 x 0.50 = 5.0
    - IH 20 in Van Zandt County: 10 x 0.25 = 2.5
  - Example for HER Connector
    - SH 35 near US 87 in Calhoun County: 5 x 1 = 5
    - US 59 near SH 111 in Jackson County: 5 x 0.75 = 3.75
    - SH 72 near US 87 in DeWitt County: 5 x 0.5 = 2.5
    - SH 21 near US 290 in Bastrop County: 5 x 0.25 = 1.25

Highway Scoring Criteria - Connectivity

- Hurricane Evacuation Route (cont'd)
- Example:
  - US 83 – Kimble County 0 points
  - US 190 – Polk County 0 points

Highway Scoring Criteria - Mobility

- Population Buffer (5 miles)
  - How many people live in proximity to the project?
  - 2010 Census block and 2010 population
  - Scored as a percentile rank from 1 to 10
- Example:
  - US 83 – Kimble County, 30th percentile, 4 points
  - US 190 – Polk County, 60th percentile, 7 points

Highway Scoring Criteria - Mobility

- Cost Effectiveness (Construction Cost/VMT)
  - How does construction cost compare to Vehicle Miles Traveled (VMT)?
  - Lower ratio of cost to VMT receives higher score
  - Scored as a percentile rank from 1 to 10
- Example:
  - US 83 – Kimble County, bottom percentile, 1 point
  - US 190 – Polk County, 40th percentile, 5 points

Highway Scoring Criteria - Mobility

- Volume to Capacity Ratio (LOS)
  - 2009 TPP traffic counts & forecast
  - 2010 Highway Capacity Manual

- 3 Criteria Measures
  - 1. Existing traffic on existing facility
    - Identifies an existing problem
      - ❖US 83 – LOS="C", 4 points
      - ❖US 190 – LOS="E", 8 points

Highway Scoring Criteria - Mobility

- Volume to Capacity (cont'd)
  - 2. Future traffic on existing facility
    - Identifies a future problem
      - ❖US 83 – LOS="C", 4 points
      - ❖US 190 – LOS="E", 8 points
  - 3. Change in LOS (V/C Ratio) if project is built
    - Identifies if project is addressing the need
      - ❖US 83 – LOS="C" to LOS="A", 2 points
      - ❖US 190 – LOS="E" to LOS "B", 6 points

Highway Scoring Criteria - Mobility

- Truck Traffic (length-weighted average)
  - Existing Truck Percentage of Total Traffic
    - US 83 – 37%, 90th percentile, 10 points
    - US 190 – 9%, 10th percentile, 2 points
  - Existing Truck Traffic
    - US 83 – 900 per day, 60th percentile, 7 points
    - US 190 – 900 per day, 60th percentile, 7 points
  - Projected Truck Traffic
    - US 83 – 1,500 per day, 60th percentile, 7 points
    - US 190 – 1,400 per day, 50th percentile, 6 points

Highway Scoring Criteria - Mobility

- Total Traffic (length-weighted average)
  - Existing
    - US 83 – 2,700 per day, 20th percentile, 3 points
    - US 190 – 10,600 per day, 80th percentile, 9 points
  - Forecast
    - US 83 – 4,100 per day, 10th percentile, 2 points
    - US 190 – 16,500 per day, 80th percentile, 9 points

Highway Scoring Criteria - Mobility

- Safe Passing Needs
  - Can you pass safely on the current highway?
  - Scored by type of facility (existing)
  - Varied according to terrain type (level, rolling, mountainous)
    - Existing 2 lanes - NOT SUPER 2-mountainous terrain received the highest scores (10 points)
  - Multilane controlled access received the lowest scores (0)
    - US 83 – 2-lane in rolling terrain, 9 points
    - US 190 – 2-lane in rolling terrain, 9 points

How the Projects Ranked

Top 20 Projects

District	County	Hwy_No	Layman's Description	Limit From	Limit To
Bryan	Washington	SH 36	CONVERT NON-FREEWAY TO FREEWAY CONSISTING OF GRADING, STRUCTURES, BASE AND SURFACE	SH 36 NORTH	US 290 WEST
Corpus Christi	Nueces	LP 44	CONSTRUCT 4 LANE DIVIDED RURAL HIGHWAY ON NEW LOCATION	SH 44, APPROX. 1.5 MI W OF ROBSTOWN	US 77,APPROX. 1.24 MI S OF ROBSTOWN
San Antonio	Comal	FM 725	EXPAND FROM 2 TO 4 LANE DIVIDED	IH 35	GUADALUPE/COMAL COUNTY LINE
Yoakum	Austin	IH 10	ADD LANES FOR 6-LANE FACILITY	COLORADO C/L	FM 3538
Bryan	Walker	IH 45	WIDEN FREEWAY CONSISTING OF GRADING, STRUCTURES, FLEXIBLE BASE, HMA, CONCRETE PAVEMENT, SIGNS AND PAVEMENT MARKINGS	THE MONTGOMERY COUNTY LINE	FM 1375
Tyler	Anderson	US 79	WIDEN TO 4 LANE DIVIDED RURAL (DEPRESSED MEDIAN)	1.6 MI SW OF LP 256 IN PALESTINE, S	0.4 MI SW OF FM 645
Tyler	Cherokee	US 79	RECONSTRUCT AS 4-LANE DIVIDED RURAL WITH FLUSH MEDIAN	2.7 MI W OF SH 110, W	0.1 MI E OF SH 204 IN JACKSONVILLE
Lufkin	Nacogdoches	LP 224	WIDEN FROM 2-LANES TO 4-LANES DIVIDED 10' SHOULDERS	FM 2609	SH 7

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How the Projects Ranked

Top 20 Projects

District	County	Hwy_No	Layman's Description	Limit From	Limit To
Lufkin	Angelina	US 69	WIDEN FROM 2 LANES TO 4 LANE DIVIDED RURAL	HUNTINGTON	SH 63 IN ZAVALLA
Atlanta	Harrison	IH 20	WIDEN EXISTING 4 LANE INTERSTATE FACILITY TO 6 LANE	LOUISIANA STATE LINE	GREGG COUNTY LINE (TYLER DISTRICT)
Yoakum	Austin	IH 10	ADD TWO LANES FOR 6 LANE FACILITY	BRAZOS RIVER	SH 36 IN SEALY
San Antonio	Comal	LP 337	EXPAND FROM 2 TO 4 LANE DIVIDED	0.852 MI EAST OF SH 46	HILLCREST DRIVE
Lufkin	Nacogdoches	LP 224	WIDEN FROM 2-LANES TO 4-LANES DIVIDED 10' SHOULDERS	SH 7	SH 21
Lufkin	Angelina	US 59	OVERPASS AT FM 819 AND RECONSTRUCT TO 4-LANE FREEWAY WITH FRONTAGE ROADS	FM 3482	FROM FM 3482 TO 0.96 MI SO OF FM 819
Bryan	Walker	US 190	WIDEN TO FOUR LANE DIVIDED HIGHWAY	SH 19	SAN JACINTO COUNTY LINE
Tyler	Smith	IH 20	FEASIBILTY STUDY FOR ADDING MANAGED LANES TO IH 20 IN THE TYLER DISTRICT	ON IH 20 FROM THE KAUFMAN C/L, E	THE HARRISON C/L
Bryan	Robertson	US 79	WIDEN TO 4 LANE DIVIDED HIGHWAY	SH 6 I/C NORTH OF HEARNE	3.3 KM W OF FM 46
Bryan	Walker	SH 30	WIDEN TO 4 LANE DIVIDED HIGHWAY	GRIMES COUNTY LINE	FM 1791
Atlanta	Upshur	US 271	WIDEN 2 LANE HIGHWAY TO 4-LANE DIVIDED HIGHWAY	SH 155	0.4 MI NORTH OF GREGG COUNTY LINE
Laredo	Webb	SH 359	WIDEN OF AN EXISTING NON-FREEWAY FACILITY	SL 20	5.0 MI EAST OF SL 20

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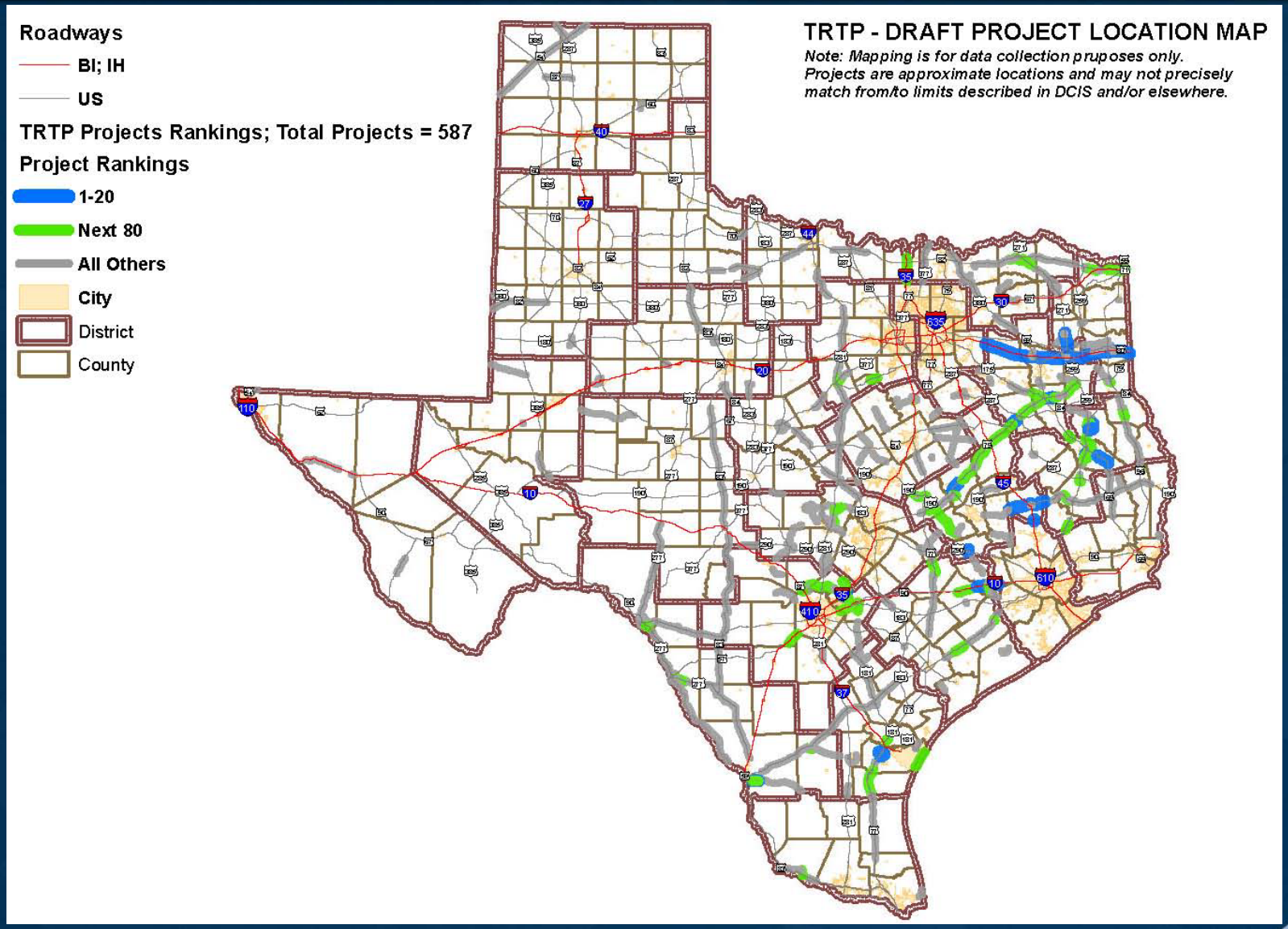
Map of Projects



Public/Stakeholder Outreach

How are we involving the public?

- Newsletters (3)
- Stakeholder outreach
  - Meetings in 8 locations (August 2011)
  - Distribution of draft project lists and rankings (February 2012 Webinar)
  - Distribution of final project lists (April 2012 E-mail)
- Public outreach
  - Open houses hosted by TxDOT Districts (March 2012)
  - Public hearing (May 2012) in Austin

Upcoming Events

Newsletter 1
August 2011

→

Stakeholder
Meetings
August 2011

→

Stakeholders
Webinar
Draft List
Feb 2012

→

Newsletter 2
February 2012

↓

Public Meetings
March 2012

→

Stakeholder Email
Final List
April 2012

→

Newsletter 3
April 2012

→

Public Hearing
May 2012

Upcoming Tasks and Meetings

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How to Stay Informed and Provide Input

- Website:
  (www.txdot.gov/public_involvement/rural_2035)
- E-mail address:
  (TPP_TxTranPlan@txdot.gov)
- Mailing Address:
  (4544 Post Oak Pl, #224, Houston, TX, 77027)
- Toll-Free Telephone Line
  1-855-TX-RURAL (1-855-897-8725)
- Facebook, Twitter, and YouTube

Texas Department of Transportation

Project Contact

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(512) 486-5036

Thank You!

Texas Rural Transportation Plan

Questions?

Sign-In - Reminder

- Please E-mail your sign-in to:
  - **TPP_TxTranPlan@txdot.gov**
  - Subject: TRTP stakeholder webinar participant
  - Name & organization
  - Date of webinar
- Email provided comment form to address above