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4-YEAR PAVEMENT MANAGEMENT PLAN (WITH PROPOSITION 12 PROJECTS): ANALYSIS REPORT

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TxDOT Project 5-9035-01: Pilot Implementation of a Web-based GIS System to Provide Information for Pavement Maintenance Decision-Making

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Table of Contents

Section 1. Pavement Management Plan Executive Summary	I
Section 2. Analysis Assumptions	9
Section 3. State-Wide Summary	13
Section 4. District Summaries.	19
Abilene District	19
Amarillo District	22
Atlanta District	26
Austin District	29
Beaumont District	32
Brownwood District	35
Bryan District	38
Childress District	41
Corpus Christi District	45
Dallas District	48
El Paso District	51
Fort Worth District	54
Houston District	57
Laredo District	60
Lubbock District	63
Lufkin District	67
Odessa District	70
Paris District	74
Pharr District	77
San Angelo District	80
San Antonio District	84
Tyler District	87
Waco District	90
Wichita Falls District	93
Yoakum District	96

List of Tables

Table 1. Summary of Nine Groups of Deterioration Models	9
Table 2. Maintenance and Rehabilitation Action Unit Costs	11
Table 3. Maintenance and Rehabilitation Action Improvements	11
Table 4. Pavement Performance Summary for the Entire State and 25 Districts	15
Table 5. Pavement Performance Summary for Abilene District and Counties	
Table 6. Pavement Performance Summary for Amarillo District and Counties	23
Table 7. Pavement Performance Summary for Atlanta District and Counties	27
Table 8. Pavement Performance Summary for Austin District and Counties	30
Table 9. Pavement Performance Summary for Beaumont District and Counties	33
Table 10. Pavement Performance Summary for Brownwood District and Counties	36
Table 11. Pavement Performance Summary for Bryan District and Counties	39
Table 12. Pavement Performance Summary for Childress District and Counties	42
Table 13. Pavement Performance Summary for Corpus Christi District and Counties	46
Table 14. Pavement Performance Summary for Dallas District and Counties	49
Table 15. Pavement Performance Summary for El Paso District and Counties	52
Table 16. Pavement Performance Summary for Fort Worth District and Counties	55
Table 17. Pavement Performance Summary for Houston District and Counties	58
Table 18. Pavement Performance Summary for Laredo District and Counties	61
Table 19. Pavement Performance Summary for Lubbock District and Counties	64
Table 20. Pavement Performance Summary for Lufkin District and Counties	68
Table 21. Pavement Performance Summary for Odessa District and Counties	71
Table 22. Pavement Performance Summary for Paris District and Counties	75
Table 23. Pavement Performance Summary for Pharr District and Counties	78
Table 24. Pavement Performance Summary for San Angelo District and Counties	
Table 25. Pavement Performance Summary for San Antonio District and Counties	85
Table 26. Pavement Performance Summary for Tyler District and Counties	88
Table 27. Pavement Performance Summary for Waco District and Counties	91
Table 28. Pavement Performance Summary for Wichita Falls District and Counties	94
Table 29 Pavement Performance Summary for Yoakum District and Counties	97

List of Figures

Figure 1. Photos Indicating the Pavement Conditions with the Associated Condition Rating	gs 2
Figure 2. Funding Requirements for Associated Pavement Condition Goals as determined	by the
2030 Committee	3
Figure 3. Climatic Regions in the State of Texas	
Figure 4. State-wide Treatment Plans for FY 2009-2012	13
Figure 5. State-Wide Overall Pavement Performance of FY 2002-FY 2013	
Figure 6. Abilene District Treatment Plans for FY 2009-2012	19
Figure 7. Abilene District Overall Pavement Performance of FY 2002-FY 2013	21
Figure 8. Amarillo District Treatment Plans for FY 2009-2010	22
Figure 9. Amarillo District Overall Pavement Performance of FY 2002-FY 2013	25
Figure 10. Atlanta District Treatment Plans for FY 2009-2012	
Figure 11. Atlanta District Overall Pavement Performance of FY 2002-FY 2013	28
Figure 12. Austin District Treatment Plans for FY 2009-2012	
Figure 13. Austin District Overall Pavement Performance of FY 2002-FY 2013	31
Figure 14. Beaumont District Treatment Plans for FY 2009-2012	
Figure 15. Beaumont District Overall Pavement Performance of FY 2002-FY 2013	
Figure 16. Brownwood District Treatment Plans for FY 2009-2012	
Figure 17. Brownwood District Overall Pavement Performance of FY 2002-FY 2013	
Figure 18. Bryan District Treatment Plans for FY 2009-2012	
Figure 19. Bryan District Overall Pavement Performance of FY 2002-FY 2013	
Figure 20. Childress District Treatment Plans for FY 2009-2012	
Figure 21. Childress District Overall Pavement Performance of FY 2002-FY 2013	
Figure 22. Corpus Christi District Treatment Plans for FY 2009-2012	
Figure 23. Corpus Christi District Overall Pavement Performance of FY 2002-FY 2013	
Figure 24. Dallas District Treatment Plans for FY 2009-2012	
Figure 25. Dallas District Overall Pavement Performance of FY 2002-FY 2013	50
Figure 26. El Paso District Treatment Plans for FY 2009-2012	51
Figure 27. El Paso District Overall Pavement Performance of FY 2002-FY 2013	
Figure 28. Fort Worth District Treatment Plans for FY 2009-2012	
Figure 29. Fort Worth District Overall Pavement Performance of FY 2002-FY 2013	56
Figure 30. Houston District Treatment Plans for FY 2009-2012	
Figure 31. Houston District Overall Pavement Performance of FY 2002-FY 2013	
Figure 32. Laredo District Treatment Plans for FY 2009-2012	60
Figure 33. Laredo District Overall Pavement Performance of FY 2002-FY 2013	62
Figure 34. Lubbock District Treatment Plans for FY 2009-2012	
Figure 35. Lubbock District Overall Pavement Performance of FY 2002-FY 2013	
Figure 36. Lufkin District Treatment Plans for FY 2009-2012	
Figure 37. Lufkin District Overall Pavement Performance of FY 2002-FY 2013	69
Figure 38. Odessa District Treatment Plans for FY 2009-2012	
Figure 39. Odessa District Overall Pavement Performance of FY 2002-FY 2013	
Figure 40. Paris District Treatment Plans for FY 2009-2012	
Figure 41. Paris District Overall Pavement Performance of FY 2002-FY 2013	
Figure 42. Pharr District Treatment Plans for FY 2010-2012	

Figure 43. Pharr District Overall Pavement Performance of FY 2002-FY 2013	79
Figure 44. San Angelo District Treatment Plans for FY 2009-2012	80
Figure 45. San Angelo District Overall Pavement Performance of FY 2002-FY 2013	82
Figure 46. San Antonio District Treatment Plans for FY 2009-2012	84
Figure 47. San Antonio District Overall Pavement Performance of FY 2002-FY 2013	86
Figure 48. Tyler District Treatment Plans for FY 2009-2012	87
Figure 49. Tyler District Overall Pavement Performance of FY 2002-FY 2013	89
Figure 50. Waco District Treatment Plans for FY 2009-2012	90
Figure 51. Waco District Overall Pavement Performance of FY 2002-FY 2013	92
Figure 52. Wichita Falls District Treatment Plans for FY 2009-2012	93
Figure 53. Wichita Falls District Overall Pavement Performance of FY 2002-FY 2013	95
Figure 54. Yoakum District Treatment Plans for FY 2009-2012	96
Figure 55. Yoakum District Overall Pavement Performance of FY 2002-FY 2013	98

Section 1. Pavement Management Plan Executive Summary

Rider 55 of TxDOT's appropriations bill requires that prior to the beginning of each fiscal year, the department provide the Legislative Budget Board and the Governor with a detailed plan for the use of these funds that includes, but is not limited to a district by district analysis of pavement score targets and how proposed maintenance spending will impact pavement scores in each district.

The 2009-2012 Pavement Management Plan, which was completed last year, provided TxDOT with a mechanism to be able to predict pavement conditions based on a specified funding level and project specific plan. The resulting report consisted of the summary of the number of lane miles that each district planned to treat as Preventive Maintenance (PM), Light, Medium or Heavy Rehabilitation and the impact that those treatments would have on the pavement conditions. This year, the plan has been updated to extend to FY2013 and a similar report generated.

Definitions

Maintenance is composed of Routine + Preventive + Rehabilitation + Bridges

Routine Maintenance includes but is not limited to:

- Emergency response,
- Sealing cracks,
- Signs,
- Striping,
- Edge maintenance,
- Ditch cleaning,
- Operating ITS,
- Traffic signals,
- Patching,
- Pothole repair,
- Level up,
- Litter and debris removal,
- Mowing

Preventive Maintenance includes:

- Seal coats (chip seals)
- Thin Overlays
- Micro-surfacing

Rehabilitation includes:

- Thick structural overlays,
- Rebuilding the pavement structure
- Adding shoulders and passing lanes

Note: Every \$1 spent on Preventive Maintenance saves \$6 of Rehabilitation over the life of the pavement.

Performance Measures

Pavement Condition Ratings

All pavements are rated on an annual basis with visual observations as well as mechanical measurements. The types of distresses considered are cracking, rutting, failures, etc. The ride quality is measure utilizing a Profiler. The Pavement Condition Score is then a measure of distress and ride quality. The Texas Transportation Commission has set a goal for 90% of our pavements to be rated "Good or Better" (Score>70) by 2012. Figure 1 below shows samples of the ratings.

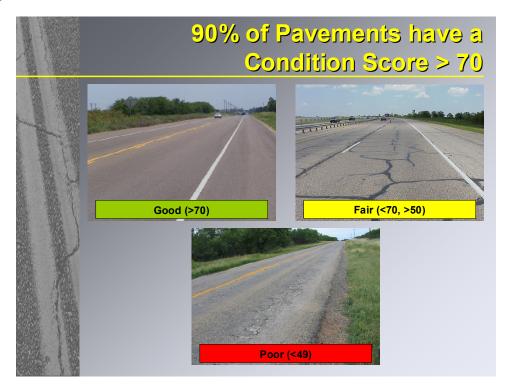


Figure 1. Photos Indicating the Pavement Conditions with the Associated Condition Ratings

Funding relationship

The 2030 Committee identified the required level of funding associated with the Performance Measure of Pavement Condition. Figure 2 shows the necessary annual investment needed for maintaining certain Pavement Condition.

Pavement and Bridge Condition % Good or Better	Total Annual Maintenance Needs	Annual Pavement Needs (PM and Rehabilitation) 2030 Rep.	Annual Routine Maintenance Needs	Annual Bridge Needs (PM, Rehabilitation and Replacement)	2010 GAP
90%	\$ 5.8 B	\$ 3.7 B	\$ 1.2 B	\$ 0.9 B	<\$ 3.5 B>
87%	\$ 5.5 B	\$ 3.5 B	\$ 1.2 B	\$ 0.8 B	<\$ 3.2 B>
80%	\$ 4.9 B	\$ 3.1 B	\$ 1.2 B	\$ 0.6 B	<\$ 2.6 B>

Figure 2. Funding Requirements for Associated Pavement Condition Goals as determined by the 2030 Committee

Challenges

Pavement Condition Trends

- Pavement conditions have continued to decrease across the state, especially in urban districts. The following observations are based on the 2009 Condition of Texas Pavements report published by the Construction Division, Materials and Pavements Section:
 - ✓ Since FY 2005, the % Good or Better average of the entire highway system has steadily decreased.
 - ✓ Asphalt concrete pavements got worse in all categories, with the largest drops being in distress and deep distress.
 - ✓ In FY 2009, only 85.94% of roadways were rated in "good or better condition," down from 86.27 in FY 2008 and down from the highest value of 87.34% in FY 2005.
 - ✓ The FY 2009 Pavement conditions are the lowest they have been since FY 2003.

Funding Limitations

• Non pavement related tasks continually re-direct resources away from pavement maintenance.

- ✓ In FY 2008, approximately 26% of our statewide maintenance budget was spent on salaries and other miscellaneous expenditures.
- ✓ In FY 2008, only 16% of our statewide maintenance budget was spent on roadway materials.
- ✓ Over the past 4 years, an average of \$ 460 million per year (60% of total statewide maintenance budget) has been spent on non pavement items.
- ✓ Over the past 4 years, Metro districts have spent an average of 69 % of their total budget on non-pavement related items.

Summary of 2009-2012 Plan and Projections

Plan

Each district developed their 4 year expenditure projections based on anticipated budgets. There are certain expenses that are fixed and are part of doing business such as overhead and operational expenses. The roadside expenditures continue to be evaluated in order to find the balance with expectations. Traffic operational expenses are also pretty well established in order to maintain existing systems (ITS, signals, illumination, etc.). The pavement expenditures include both in house and routine maintenance contracts. These pavement expenditures do not include construction expenditures in which approximately \$700 M were expected to be available in 2009 for rehabilitation and preventive maintenance projects.

Statewide Expenditure Projections

FY Budget OH & Opers.			Struct.		Roadside		Traffic Opers.		Pvmt.		
	\$	\$	%	\$	%	\$	%	\$	%	\$	%
2009	844 M	116 M	14	19 M	2	201 M	24	227 M	27	281 M	33
2010	899 M	123 M	14	18 M	2	208 M	23	238 M	28	309 M	34
2011	942 M	129 M	14	19 M	2	216 M	23	248 M	28	316 M	34
2012	942 M	132 M	14	20 M	2	222 M	24	256 M	27	321 M	34
Avg.	·		14		2		23		27	_	34

Metros

- Expenditure projections indicate approximately 75% of maintenance resources expended on non pavement items.
- Pavement condition scores are the lowest as expected.

Statewide

- Projected annual growth in maintenance budget at 5.7%. This was an optimistic projection.
- Overall, we can only predict spending an average of 34% of our maintenance budget on pavement work.
- Even with an aggressive approach of targeting pavement work with our Cat 1 and Maintenance budget, we still hover at 60% of total combined construction and maintenance dollars directed towards pavements.

Pavement Condition Projections

- Center for Transportation Research (CTR) developed a document that summarizes all the assumptions and is included in the report.
- CTR developed a model that predicts deterioration of pavements based on several factors such as climatic region, historical deterioration and highway type.
- The 4 year plan indicated that the following number of lanes miles would be treated with PM or Rehab:
 - > FY 2009 15,913 lane miles = 8.6% of system
 - > FY 2010 14,987 lane miles = 8.1% of system
 - FY 2011 16,204 lane miles = 8.8% of system
 - > FY 2012 18,655 lane miles = 10.1% of system
- The 4 year projections indicated that the Percent of Good or Better Pavement Conditions would be as follows:
 - > FY 2009 84.78%
 - ➤ FY 2010 83.47%
 - ➤ FY 2011 82.01%
 - > FY 2012 80.37%

2010-2013 Pavement Management Plan

Goals

- Develop a comprehensive and uniform pavement management plan that is roadway specific to the greatest extent possible, and is fiscally constrained
- Generate Pavement Condition Projections based on a financially constrained plan that can be reported in compliance with Rider 55 of the 2010-11 Appropriations.
- Assure maintenance resources are directed towards pavement operations and roadway related work.
- Provide a reporting mechanism for District Engineers, Administration and Commission to utilize in briefing elected officials.
- Allow districts and regions to appropriately allocate resources through long term planning in order to accomplish the plan.

Plan

Each district developed their 4 year expenditure projections based on anticipated budgets. There are certain expenses that are fixed and are part of doing business such as overhead and operational expenses. The roadside expenditures continue to be evaluated in order to find the balance with expectations. Traffic operational expenses are also pretty well established in order to maintain existing systems (ITS, signals, illumination, etc.). The pavement expenditures include both in house and routine maintenance contracts. These pavement expenditures do not include construction expenditures in which approximately \$ 932 M was expected to be available in 2010 for rehabilitation and preventive maintenance projects from Fund 6, ARRA and Proposition 14.

Statewide Expenditure Projections

FY	Budget OH & Opers.		Stru	Struct. Roadside		Traffic Opers.		Pvmt.			
	\$	\$	%	\$	%	\$	%	\$	%	\$	%
2010	858 M	124 M	14	23 M	2.7	184 M	21	202 M	24	325 M	38. 3
2011	883 M	128 M	14	21 M	2.4	187 M	21	208 M	24	339 M	38. 6
2012	885 M	130 M	15	21 M	2.4	189 M	21	209 M	24	336 M	37. 6
2013	886 M	132 M	15	21 M	2.4	191 M	22	212 M	24	330 M	36. 6
Avg.			14. 5		2.5		21. 3		24		37 . 7

Statewide

- Projected annual growth in maintenance budget at 0 %.
- Overall, we can only project spending an average of 36 % of our maintenance budget on pavement work.
- Even with an aggressive approach of targeting pavement work with our Cat 1 and Maintenance budget, we still hover at 65 % of total combined construction and maintenance dollars directed towards pavements.

Pavement Condition Projections

- CTR developed a document that summarizes all their assumptions and is included in the report.
- CTR developed a model that predicts deterioration of pavements based on several factors such as climatic region, historical deterioration and highway type.

- The 4 year plan indicated that the following number of lanes miles would be treated with PM or Rehab:
 - ightharpoonup FY 2010 15,661 lane miles = 8.4 % of system
 - > FY 2011 15,405 lane miles = 8.2 % of system
 - > FY 2012 14,053 lane miles = 7.5 % of system
 - > FY 2013 12,898 lane miles = 6.9 % of system
- The 4 year projections indicated that the Percent of Good or Better Pavement Conditions would be as follows:
 - > FY 2009 (Actual) 85.94%
 - > FY 2010 84.94 %
 - > FY 2011 83.77 %
 - > FY 2012 81.89 %
 - > FY 2013 79.05 %

Section 2. Analysis Assumptions

Key assumptions used in the analysis and prediction of the pavement conditions under the 4-year pavement management plans provided by TxDOT are discussed as follows.

Pavement Network

The pavement network with which the analysis was conducted consists of the existing pavements under TxDOT's jurisdiction and is stored in the existing PMIS database. The most current version of the PMIS database was used in the analysis, based on the 2009 PMIS data collection.

Base Year Network Condition

The base year of the analysis was 2009. The condition of the entire state's pavement network was initially determined based on the individual scores of the pavement sections in the PMIS database. The Condition Score of these sections was used as the performance measurement index to calculate the "Good" or Better Pavement Scores.

Deterioration Models

Before planning for the Maintenance and Rehabilitation (M&R) actions for the road network, the deterioration process of the pavements was studied in order to understand when their condition would reach a critical level that would trigger intervention. In this study, a statistical analysis was carried out to analyze the deterioration rate distribution for the different pavement structure types and highway functional classifications. As a result, nine broad groups of deterioration models were defined as presented in Table 1.

Table 1. Summary of Nine Groups of Deterioration Models

Highway Functional Class		Pavement Type					
		Flowible	Rigid				
		Flexible	CRCP	JCP			
Interstate Highways	IH	Group 1	Group 1	Group 7			
US Highways	US	Group 1	Group 4	Group 7			
State Highways	SH	Group 2	Group 5	Group 8			
Farm-to-Market	FM	Group 3	Group 6	Group 9			

These nine groups were found to have distinctive deterioration rates; and therefore a different set of models were developed for each group.

It is also known that the daily temperature range and the precipitation play an important role in the pavement deterioration process. As a result, instead of developing pavement condition models for every district in Texas, these models were developed instead for the four climatic regions of Texas, as shown in Figure 1. For each climatic region, separate pavement condition models pertaining to the Distress Score and the Ride score were developed.

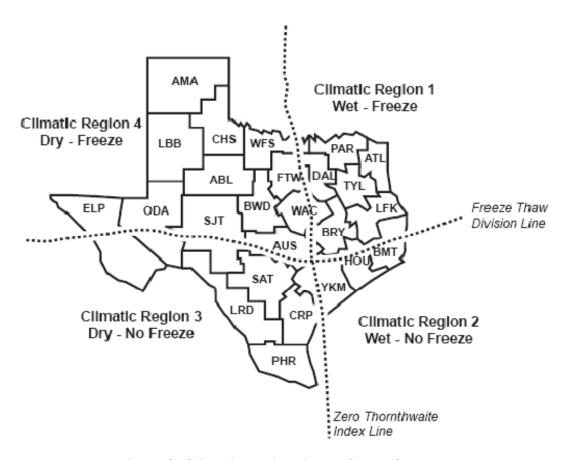


Figure 3. Climatic Regions in the State of Texas

Next Year Network Condition

The condition of the network for each subsequent year was based on the condition of the previous year with the addition of the effect of the natural deterioration and the M&R work planned for the previous year. Once these new values in terms of the Ride Score and their Distress Score were determined then they were combined together to calculate the new Condition Score of each section. The new Condition Scores of each sections were then averaged together weighted by their respective lane-miles to get the new state-wide Condition Score.

Maintenance and Rehabilitation Costs

Finally, the implementation of each treatment action corresponded to a specific cost for the agency, based on the unit cost of the action by lane-mile treated and the lane-miles of the treated section(s). The unit costs of each action were set to the values shown in Table 2, and were different for flexible and for rigid pavements. These values are consistent with the 2030 analysis. The treatment costs used in the 2030 Pavement Needs Estimate and the analysis undertaken in this study are based on Project delivery costs that include estimated costs for mobilization, traffic control, materials, labor, and ancillary items necessary to actually complete the pavement project. These costs generally differ from PMIS treatment costs, which primarily include the cost

for pavement materials (i.e., Hot mix, Portland Cement Concrete, etc.). In addition, the treatment costs used in this analysis are based on constant FY 2008 dollars.

Table 2. Maintenance and Rehabilitation Action Unit Costs

M&R Action	Unit Cost (per mile per lane) for Flexible Pavements	Unit Cost (per mile per lane) for Rigid Pavements
Needs Nothing	\$0	\$0
Preventive Maintenance	\$7,000	\$10,000
Light Rehabilitation	\$40,000	\$60,000
Medium Rehabilitation	\$55,000	\$125,000
Heavy Rehabilitation	\$170,000	\$400,000

Maintenance and Rehabilitation Improvements

Each M&R action was assumed to have a specific effect on the section it was applied to, in terms of the section's Ride Score and Distress Score. The correspondence between the various M&R actions and their respective effect on the pavement sections are shown in Table 3.

Table 3. Maintenance and Rehabilitation Action Improvements

Tuble 0. Municenance and Renabilitation Metion Improvements						
M&R Action	Ride Score	Distress Score				
WI&R Action	Improvement	Improvement				
Needs Nothing	0	0				
Preventive Maintenance	0.5	95				
Light Rehabilitation	1.5	100				
Medium Rehabilitation	Reset to 4.8	Reset to 100				
Heavy Rehabilitation	Reset to 4.8	Reset to 100				

Section 3. State-Wide Summary

I. Summary of FY 2009-FY 2012 Treatments

Total State Center line miles = 80,000 Total State Lane miles = 187,179

FY 2009 Plan total treatments = **16,010.2 lane miles** = 8.6% of system lane miles FY 2010 Plan total treatments = **15,732.7 lane miles** = 8.4% of system lane miles FY 2011 Plan total treatments = **14,743.1 lane miles** = 7.9% of system lane miles FY 2012 Plan total treatments = **16,141.6 lane miles** = 8.6% of system lane miles

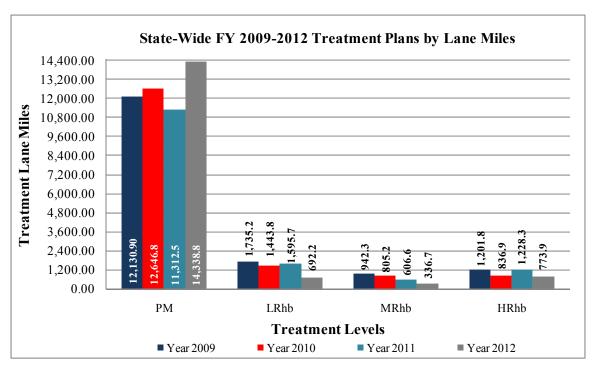


Figure 4. State-wide Treatment Plans for FY 2009-2012

The effect of PM, LRhb, and MRhb treatments will not take place in the fiscal year they were planned due to a 1-year delay in Condition Score improvement, whereas HRhb treatments will not improve pavement Condition Scores in the fiscal year they were planned due to a 2-year delay.

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 1,201.8, 836.9, 1228.3 and 773.9 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 942.3, 805.2, 606.6 and 336.7 lane miles respectively.

- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 1,735.2, 1,443.8, 1,595.7 and 692.2 lane miles respectively.
- The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 12,130.9, 12,646.8, 11,312.5 and 14,338.8 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 14,808.40 lane miles or approximately 7.9% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 16,097.60 lane miles or approximately 8.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 14,351.70 lane miles or approximately 7.7% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 16,596.00 lane miles or approximately 8.9% of the total system.

II. Summary of FY 2009–FY 2013 Percentage of "Good" or Better Pavements and Condition Score for Entire State

Table 4. Pavement Performance Summary for the Entire State and 25 Districts

		avement Periorman		ear 2009			is Years	
			Measured	Predicted	2010	2011	2012	2013
		Achieved Goal (%)	85.94	84.78	84.96	83.89	82.05	79.77
	Overall State	Achieved Average CS	90	88	88	86	83	81
	41.9	Achieved Goal (%)	89.31	89.98	88.88	87.05	85.44	82.81
	Abilene	Achieved Average CS	92	91	90	87	85	82
	A	Achieved Goal (%)	87.41	86.09	88.06	88.79	87.48	85.23
	Amarillo	Achieved Average CS	90	88	89	88	86	84
	A 41 a 11 4 a	Achieved Goal (%)	94.25	92.48	92.55	91.23	90.21	86.56
	Atlanta	Achieved Average CS	95	92	93	90	88	85
	Austin	Achieved Goal (%)	83.95	80.71	81.69	78.6	75.38	71.23
	Austin	Achieved Average CS	88	85	86	83	80	77
	Beaumont	Achieved Goal (%)	86.98	85.07	86.79	86.38	85.69	84.57
	Deaumont	Achieved Average CS	90	88	89	87	85	83
	Brownwood	Achieved Goal (%)	91.17	92.71	92.39	93.6	93.33	92.47
as		Achieved Average CS	93	93	92	91	89	87
Districts in State of Texas	Bryan	Achieved Goal (%)	87.57	83.87	85.27	83.5	81.81	77.52
te of	Di yan	Achieved Average CS	90	86	88	86	83	81
Sta	Childress	Achieved Goal (%)	91.48	92.00	90.87	91.25	90.15	88.01
ts in	Ciliui ess	Achieved Average CS	94	93	92	90	88	85
tric	Corpus Christi	Achieved Goal (%)	83.58	80.65	83.31	82.72	82.83	80.38
Dis	Corpus Christi	Achieved Average CS	88	85	87	85	84	82
	Dallas	Achieved Goal (%)	75.27	67.37	70.1	66.82	62.05	58.19
	Dallas	Achieved Average CS	81	76	78	75	71	68
	El Paso	Achieved Goal (%)	87.35	85.15	86.15	84.13	81.76	80.39
	Ellaso	Achieved Average CS	90	87	88	86	83	81
	Fort Worth	Achieved Goal (%)	81.44	79.05	80.1	77.5	74.07	78.42
	TOIL WOITH	Achieved Average CS	87	84	84	82	79	80
	Houston	Achieved Goal (%)	75.80	75.92	71.93	67.74	62.46	57.41
	Houston	Achieved Average CS	84	82	80	77	72	69
	Laredo	Achieved Goal (%)	85.37	82.87	83.30	81.36	78.01	73.27
	Lareuo	Achieved Average CS	89	86	86	84	81	78
1	Lubbock	Achieved Goal (%)	86.40	89.10	85.99	86.38	86.94	84.48

		Base Year 2009			Analys	is Years	
		Measured	Predicted	2010	2011	2012	2013
	Achieved Average CS	91	91	89	87	86	84
Lufkin	Achieved Goal (%)	87.87	85.75	85.26	84.33	82.8	81.74
Luikin	Achieved Average CS	91	88	89	87	84	82
Odessa	Achieved Goal (%)	93.33	93.19	92.75	93.69	92.57	90.38
Ouessa	Achieved Average CS	95	92	93	91	89	86
Dania	Achieved Goal (%)	74.92	68.90	72.74	71.94	72.87	71.1
Paris	Achieved Average CS	83	79	82	80	80	78
Dham	Achieved Goal (%)	80.38	80.84	80.22	85.01	84.99	83.26
Pharr	Achieved Average CS	88	86	86	86	85	83
Can Amasla	Achieved Goal (%)	94.58	94.63	94.91	94.43	92.21	89.31
San Angelo	Achieved Average CS	95	94	94	91	88	86
C A4	Achieved Goal (%)	83.03	85.64	81.43	80.2	77.85	79.34
San Antonio	Achieved Average CS	88	88	85	83	80	81
7 7. 1	Achieved Goal (%)	92.28	83.44	89.83	86.29	81.96	76.8
Tyler	Achieved Average CS	92	86	90	87	84	80
XX	Achieved Goal (%)	86.72	88.53	83.33	81.4	80.05	76.15
Waco	Achieved Average CS	89	89	87	85	83	80
XX': 1.4 E P	Achieved Goal (%)	92.98	92.46	91.97	89.98	88.12	88.81
Wichita Falls	Achieved Average CS	93	92	91	89	86	86
¥7	Achieved Goal (%)	86.08	83.12	84.08	82.93	80.23	76.5
Yoakum	Achieved Average CS	90	87	87	85	83	80

III. Summary of FY 2002–FY 2013 Percentage of "Good" or Better Pavements for Entire State

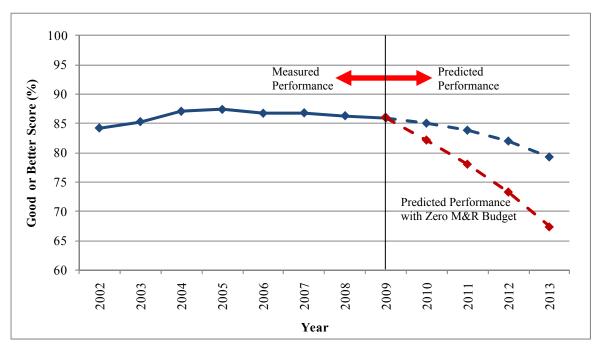


Figure 5. State-Wide Overall Pavement Performance of FY 2002-FY 2013

Section 4. District Summaries

Abilene District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 3,744 Total Lane miles = 8,265

FY 2009 Plan total treatments = 573.6 lane miles = 6.9% of system lane miles FY 2010 Plan total treatments = 533.0 lane miles = 6.4% of system lane miles FY 2011 Plan total treatments = 517.7 lane miles = 6.3% of system lane miles FY 2012 Plan total treatments = 457.4 lane miles = 5.5% of system lane miles

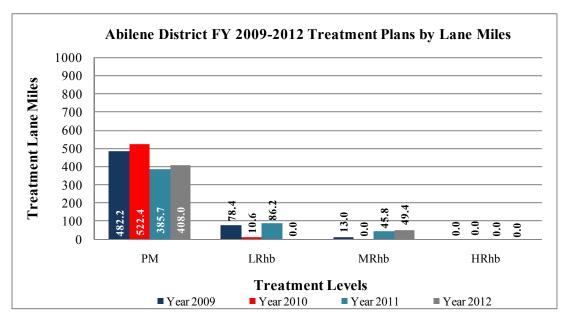


Figure 6. Abilene District Treatment Plans for FY 2009-2012

The effect of PM, LRhb, and MRhb treatments will not take place in the fiscal year they were planned due to a 1-year delay in Condition Score improvement, whereas HRhb treatments will not improve pavement Condition Scores in the fiscal year they were planned due to a 2-year delay.

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. There were no HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 13.0, 0.0, 45.8 and 49.4 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 78.4, 10.6, 86.2, and 0.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 482.2, 522.4, 385.7 and 408.0 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 573.6 lane miles or approximately 6.9% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 533.0 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2009 = 533.0 lane miles or approximately 6.4% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 517.7 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2010 = 517.7 lane miles or approximately 6.3% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 457.4 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2011 = 457.4 lane miles or approximately 5.5% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 5. Pavement Performance Summary for Abilene District and Counties

			Base Year	Analysis Years				
			2009	2010	2011	2012	2013	
A II	Achieved Goal (%)		89.31	88.88	87.05	85.44	82.81	
At	oilene District	Achieved Average CS	92	90	87	85	82	
	Borden	Achieved Goal (%)	96.33	94.24	89.93	90.51	86.32	
	Doruen	Achieved Average CS	96	93	90	87	84	
	Callahan	Achieved Goal (%)	85.3	86.66	83.32	79.89	77.86	
	Callahan	Achieved Average CS	89	89	86	83	81	
rict	Fisher	Achieved Goal (%)	96.09	97.61	97.22	96.49	93.63	
Dist		Achieved Average CS	97	95	93	91	88	
ene	Haskell	Achieved Goal (%)	90.72	92.81	90.33	87.29	85.08	
Counties in Abilene District		Achieved Average CS	93	92	89	86	83	
s in		Achieved Goal (%)	88.23	87.98	86.18	83.71	81.92	
ntie	Howard	Achieved Average CS	91	89	87	84	82	
Con	Y	Achieved Goal (%)	88.09	88.57	85.98	82.45	80.02	
	Jones	Achieved Average CS	92	90	87	84	81	
	174	Achieved Goal (%)	95.32	94.15	92.92	89.53	85.9	
	Kent	Achieved Average CS	96	93	90	87	83	
	Mitchell	Achieved Goal (%)	88.54	84.62	85.57	92.22	90.35	

		Base Year	Analysis Years			
_		2009	2010	2011	2012	2013
	Achieved Average CS	92	89	87	89	87
Nolan	Achieved Goal (%)	90.18	89.16	86.77	81.76	78.55
Notan	Achieved Average CS	92	89	86	83	80
G	Achieved Goal (%)	91.78	91.16	90.98	88.95	85.12
Scurry	Achieved Average CS	94	91	90	87	85
Shackelford	Achieved Goal (%)	85.62	87.45	86.77	84.2	84.14
Shackehoru	Achieved Average CS	89	88	86	84	82
C4amanuall	Achieved Goal (%)	94.06	95.53	98.71	97.49	96.27
Stonewall	Achieved Average CS	96	95	94	91	88
Tanlon	Achieved Goal (%)	83.96	81.02	76.97	76.79	72.98
Taylor	Achieved Average CS	89	85	82	81	77

Based on the analysis results presented in Table 5, at the end of the 4-year planning horizon the county in best condition was Stonewall (96.27%) while the worst was Taylor (72.98%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

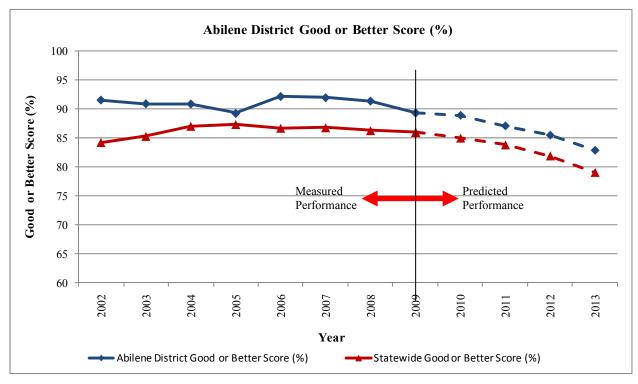


Figure 7. Abilene District Overall Pavement Performance of FY 2002-FY 2013

For FY 2002 to FY 2009 the solid line data points are based on measured values from TxDOT's PMIS. The dashed line data points from FY 2009 until FY 2013 are projected values from the analysis conducted by CTR.

Amarillo District

I. Summary of FY 2009–FY 2012 Treatments

```
Total Center line miles = 4,092
Total Lane miles = 9,274
```

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FY 2009 Plan total treatments = 704.0 lane miles = 7.6% of system lane miles
FY 2010 Plan total treatments = 885.9 lane miles = 9.6% of system lane miles
FY 2011 Plan total treatments = 944.9 lane miles = 10.2% of system lane miles
FY 2012 Plan total treatments = 755.6 lane miles = 8.1% of system lane miles
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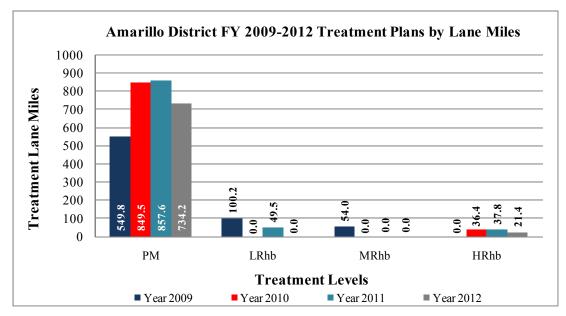


Figure 8. Amarillo District Treatment Plans for FY 2009-2010

The effect of PM, LRhb, and MRhb treatments will not take place in the fiscal year they were planned due to a 1-year delay in Condition Score improvement, whereas HRhb treatments will not improve pavement Condition Scores in the fiscal year they were planned due to a 2-year delay.

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 36.4, 37.8 and 21.4 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 54.0, 0.0, 0.0 and 0.0 lane miles respectively.

- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 100.2 0.0, 49.5 and 0.0 lane miles respectively.
- The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 549.8, 849.5, 857.6 and 734.2 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 704.0 lane miles or approximately 7.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 849.5 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2009 = 849.5 lane miles or approximately 9.2% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 907.1 lane miles + 36.4 lane miles of Heavy Rehab treatments from FY 2010 = 943.5 lane miles or approximately 10.2% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 734.2 lane miles + 37.8 lane miles of Heavy Rehab treatments from FY 2011 = 772.0 lane miles or approximately 8.3% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 6. Pavement Performance Summary for Amarillo District and Counties

			Base Year	Analysis Years					
		_	2009	2010	2011	2012	2013		
A 222	arillo District	Achieved Goal (%)	87.41	88.06	88.79	87.48	85.23		
Am	ariilo District	Achieved Average CS	90	89	88	86	84		
	Aumatuana	Achieved Goal (%)	79.3	90.93	92.01	96.28	94.7		
	Armstrong	Achieved Average CS	87	92	90	90	87		
	Carson	Achieved Goal (%)	83.28	80.29	84.24	87.54	87.54		
Amarillo District		Achieved Average CS	87	85	86	87	86		
Dis	Dallam	Achieved Goal (%)	88.69	88.14	89.9	88.11	86.12		
rillo		Achieved Average CS	91	89	88	85	83		
\ma	D 60 141	Achieved Goal (%)	90.51	90.08	89.69	87.87	86.35		
in A	Deaf Smith	Achieved Average CS	92	90	88	86	84		
nties	G	Achieved Goal (%)	88.45	85.85	83.55	80.51	76.49		
Counties in	Gray	Achieved Average CS	90	88	85	82	79		
	Hansford	Achieved Goal (%)	96.55	96.36	97.23	96.25	94.77		
	Hansford	Achieved Average CS	96	95	93	90	88		
	Hartley	Achieved Goal (%)	85.01	94.98	95.2	92.06	89.15		

		Base Year	Analysis Years				
_		2009	2010	2011	2012	2013	
	Achieved Average CS	88	93	91	88	86	
Hemphill	Achieved Goal (%)	86.31	87.15	89.19	86.78	82.69	
нешриш	Achieved Average CS	88	88	87	85	83	
Hutchinson	Achieved Goal (%)	87.83	84.3	84.47	78.94	78.38	
Hutchinson	Achieved Average CS	88	85	85	82	80	
Linggomb	Achieved Goal (%)	81.73	86.17	89.97	91.08	87.52	
Lipscomb	Achieved Average CS	86	87	88	88	86	
Moore	Achieved Goal (%)	90.39	94.53	94.66	91.77	88.75	
Moore	Achieved Average CS	93	93	92	89	86	
0.126	Achieved Goal (%)	75.17	80.34	85.14	84.02	81.51	
Ochiltree	Achieved Average CS	82	84	85	82	79	
OLUbarra	Achieved Goal (%)	95.51	93.19	92.64	91.1	87.96	
Oldham	Achieved Average CS	94	92	90	89	86	
Potter	Achieved Goal (%)	84.1	83.27	81.74	78.87	76.13	
Potter	Achieved Average CS	88	87	85	82	7 76.13 78	
D J. II	Achieved Goal (%)	92.42	90.53	88.73	85.77	81.94	
Randall	Achieved Average CS	93	90	88	85	82	
Dalassi	Achieved Goal (%)	88.47	87.97	93.65	95.07	94.32	
Roberts	Achieved Average CS	93	91	91	90	89	
CI	Achieved Goal (%)	87.45	87.68	89.63	92.38	94.28	
Sherman	Achieved Average CS	91	89	89	88	88	

Based on the analysis results presented in Table 6, at the end of the 4-year planning horizon the county in best condition was Hansford (94.77%) while the worst was Potter (76.13%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

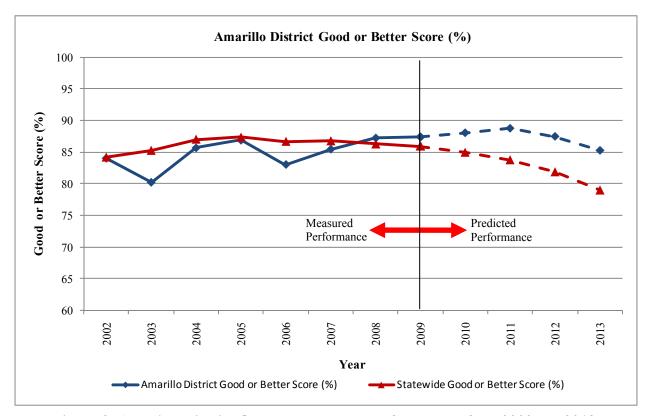


Figure 9. Amarillo District Overall Pavement Performance of FY 2002-FY 2013

For FY 2002 to FY 2009 the solid line data points are based on measured values from TxDOT's PMIS. The dashed line data points from FY 2009 until FY 2013 are projected values from the analysis conducted by CTR.

Atlanta District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 2,691Total Lane miles = 6,217

FY 2009 Plan total treatments = 412.6 lane miles = 6.6% of system lane miles FY 2010 Plan total treatments = 541.7 lane miles = 8.7% of system lane miles FY 2011 Plan total treatments = 659.4 lane miles = 10.6% of system lane miles FY 2012 Plan total treatments = 503.7 lane miles = 8.1% of system lane miles

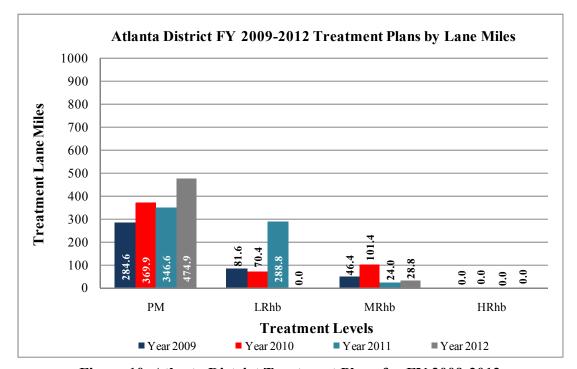


Figure 10. Atlanta District Treatment Plans for FY 2009-2012

The effect of PM, LRhb, and MRhb treatments will not take place in the fiscal year they were planned due to a 1-year delay in Condition Score improvement, whereas HRhb treatments will not improve pavement Condition Scores in the fiscal year they were planned due to a 2-year delay.

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. There were no HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 46.4, 101.4, 24.0 and 28.8 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 81.6, 70.4, 288.8 and 0.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 284.6, 369.9, 346.6 and 474.9 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 412.6 lane miles or approximately 6.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 541.7 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2009 = 541.7 lane miles or approximately 8.7% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 659.4 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2010 = 659.4 lane miles or approximately 10.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 503.7 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2011 = 503.7 lane miles or approximately 8.1% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 7. Pavement Performance Summary for Atlanta District and Counties

			Base Year	Analysis Years				
			2009	2010	2011	2011	2012	
A 4	Achieved Goal (%)		94.25	92.55	91.23	90.21	86.56	
At	lanta District	Achieved Average CS	95	93	90	88	85	
	Bowie	Achieved Goal (%)	92.71	89.9	87.43	87.05	83.6	
	Dowle	Achieved Average CS	93	91	88	86	83	
	Comp	Achieved Goal (%)	94.85	90.59	88.58	88.42	88.5	
	Camp	Achieved Average CS	94	91	91	89	87	
rict	Cass	Achieved Goal (%)	97.01	95.43	93.33	91.84	88.55	
Counties in Atlanta District		Achieved Average CS	96	95	92	89	86	
ınta	Harrison	Achieved Goal (%)	94.42	94.41	93.08	89.6	84.4	
Atla		Achieved Average CS	94	93	90	87	84	
s in	Marrian	Achieved Goal (%)	96.88	95.1	93.89	93.95	90.7	
ıntie	Marion	Achieved Average CS	96	94	91	90	86	
Cou	Mannia	Achieved Goal (%)	97.83	96.23	96.8	94.8	91.26	
	Morris	Achieved Average CS	98	96	94	90	88	
	Donala	Achieved Goal (%)	95.61	94	93.86	91.59	87.86	
	Panola	Achieved Average CS	96	94	92	90	86	
	Titus	Achieved Goal (%)	87.15	85.2	84.78	86.08	83.32	

		Base Year	Analysis Years			
		2009	2010	2011	2011	2012
	Achieved Average CS	91	89	87	86	84
Unaham	Achieved Goal (%)	93.65	91.86	90.79	92.34	88.3
Upshur	Achieved Average CS	95	93	90	89	85

Based on the analysis results presented in Table 7, at the end of the 4-year planning horizon the county in best condition was Morris (91.26%) while the worst was Titus (83.32%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

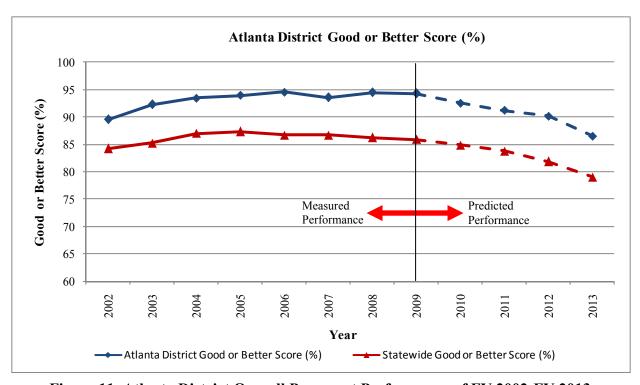


Figure 11. Atlanta District Overall Pavement Performance of FY 2002-FY 2013

For FY 2002 to FY 2009 the solid line data points are based on measured values from TxDOT's PMIS. The dashed line data points from FY 2009 until FY 2013 are projected values from the analysis conducted by CTR.

Austin District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 3,345 Total Lane miles = 8,766

FY 2009 Plan total treatments = **431.1 lane miles** = 4.9% of system lane miles FY 2010 Plan total treatments = **458.5 lane miles** = 5.2% of system lane miles FY 2011 Plan total treatments = **438.0 lane miles** = 5.0% of system lane miles FY 2012 Plan total treatments = **183.8 lane miles** = 2.1% of system lane miles

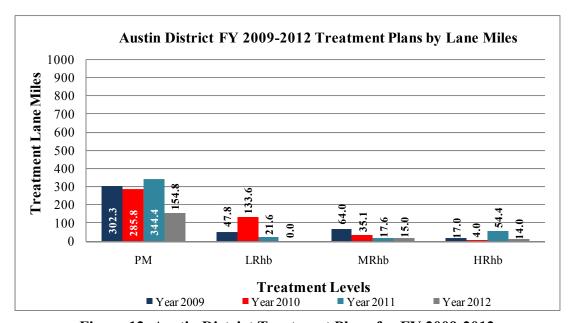


Figure 12. Austin District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 17.0, 4.0, 54.4 and 14.0 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 64.0, 35.1, 17.6 and 15.0 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 47.8, 133.6, 21.6 and 0.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 302.3, 285.8, 344.4 and 154.8 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 414.1 lane miles or approximately 4.7% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 454.5 lane miles + 17.0 lane miles of Heavy Rehab treatments from FY 2009 = 471.5 lane miles or approximately 5.4% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 383.6 lane miles + 4.0 lane miles of Heavy Rehab treatments from FY 2010 = 387.6 lane miles or approximately 4.4% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 169.8 lane miles + 54.4 lane miles of Heavy Rehab treatments from FY 2011 = 224.2 lane miles or approximately 2.6% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 8. Pavement Performance Summary for Austin District and Counties

			Base Year		Analysi	s Years	
		_	2009	2010	2011	2012	2013
A .	ustin District	Achieved Goal (%)	83.95	81.69	78.6	75.38	71.23
A	ustiii District	Achieved Average CS	88	86	83	80	77
	Bastrop	Achieved Goal (%)	82.4	80.38	78.57	77.69	76.49
		Achieved Average CS	87	85	83	82	79
	Dlamas	Achieved Goal (%)	90.35	84.4	80.49	76.53	69.01
٠,	Blanco	Achieved Average CS	91	88	85	81	77
stric	Burnet	Achieved Goal (%)	88.71	88.21	86.67	82.15	77.22
n Di		Achieved Average CS	90	88	87	84	80
Austin District	6.11.11	Achieved Goal (%)	73.08	75.12	73	70.81	64.98
	Caldwell	Achieved Average CS	83	82	79	76	73
ties	Cillaguia	Achieved Goal (%)	89.9	85.93	79.62	76.56	70.47
Counties in	Gillespie	Achieved Average CS	91	88	85	82	77
	Hans	Achieved Goal (%)	84.38	82.55	78.9	75.95	73.57
	Hays	Achieved Average CS	89	86	83	80	78
	·	Achieved Goal (%)	78.82	78.9	80.89	79.33	74.39
	Lee	Achieved Average CS	86	85	84	83	79

			Base Year		Analysi	is Years	
		2009	2010	2011	2012	2013	
	Llone	Achieved Goal (%)	87.87	85.28	81.07	77.05	70.56
	Llano	Achieved Average CS	89	86	83	80	76
	Mason	Achieved Goal (%)	90.39	89.23	84.71	82.56	78.75
		Achieved Average CS	92	91	88	85	82
	Tuoris	Achieved Goal (%)	85.72	83.67	81.21	77.42	72.63
	Travis	Achieved Average CS	89	87	85	82	78
	Williamson	Achieved Goal (%)	77.92	73.7	69.06	65.16	63.22
	Williamson	Achieved Average CS	84	80	77	74	73

Based on the analysis results presented in Table 8, at the end of the 4-year planning horizon the county in best condition was Mason (78.75%) while the worst was Williamson (63.22%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

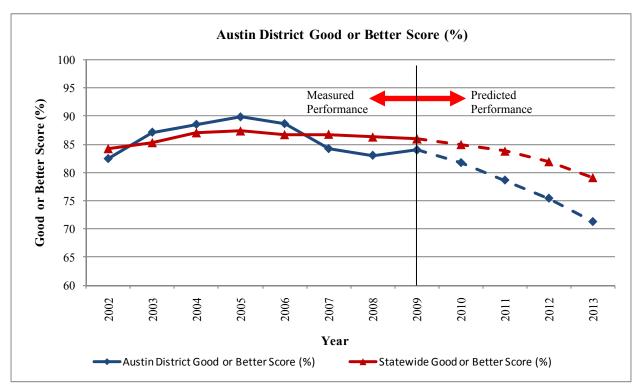


Figure 13. Austin District Overall Pavement Performance of FY 2002-FY 2013

Beaumont District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 2,374Total Lane miles = 5,370

FY 2009 Plan total treatments = 694.6 lane miles = 12.9% of system lane miles FY 2010 Plan total treatments = 691.6 lane miles = 12.9% of system lane miles FY 2011 Plan total treatments = 618.1 lane miles = 11.5% of system lane miles FY 2012 Plan total treatments = 646.1 lane miles = 12.0% of system lane miles

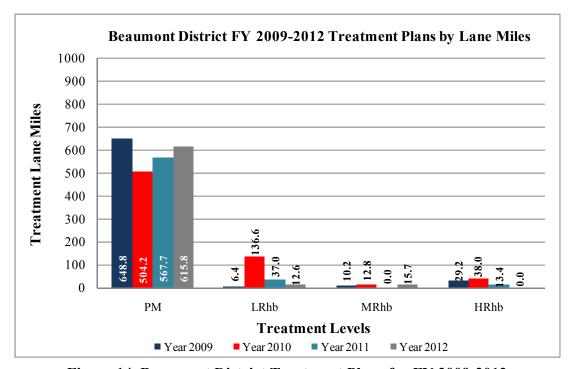


Figure 14. Beaumont District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 29.2, 38.0, 13.4 and 0.0 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 10.2, 12.8, 0.0 and 15.7 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 6.4, 136.6, 37.0 and 12.6 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 648.8, 504.2, 567.7 and 615.8 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 665.4 lane miles or approximately 12.4% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 653.6 lane miles + 29.2 lane miles of Heavy Rehab treatments from FY 2009 = 682.6 lane miles or approximately 12.7% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 604.7 lane miles + 38.0 lane miles of Heavy Rehab treatments from FY 2010 = 642.7 lane miles or approximately 12.0% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 644.1 lane miles + 13.4 lane miles of Heavy Rehab treatments from FY 2011 = 657.5 lane miles or approximately 12.2% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 9. Pavement Performance Summary for Beaumont District and Counties

			Base Year		Analysi	s Years	
		_	2009	2010	2011	2012	2013
Dan	a 4 Di a 4 a 4	Achieved Goal (%)	86.98	86.79	86.38	85.69	84.57
Bea	umont District	Achieved Average CS	90	89	87	85	83
	Ch amh ans	Achieved Goal (%)	90.87	91.23	89.67	87.85	86.48
	Chambers	Achieved Average CS	92	91	89	87	84
t l	II andin	Achieved Goal (%)	93.79	93.27	93.64	91.01	89.25
Beaumont District	Hardin	Achieved Average CS	95	93	92	89	86
t Dis	Jasper	Achieved Goal (%)	91.99	93.94	93.2	90.92	87.05
nou		Achieved Average CS	93	93	91	88	84
eanı	I offorman	Achieved Goal (%)	73.74	71.69	70.34	74.51	75.25
in B	Jefferson	Achieved Average CS	81	79	77	77	78
Counties in	I 9	Achieved Goal (%)	90.61	87.55	89.44	89.69	87.89
, Joun	Liberty	Achieved Average CS	92	90	89	88	85
	Norman	Achieved Goal (%)	97.2	96.82	96.63	93.18	93.22
	Newton	Achieved Average CS	97	95	93	90	89
	Orange	Achieved Goal (%)	76.51	78.76	80.34	79.48	80.42

			Base Year	Analysis Years			
			2009	2010	2011	2012	2013
		Achieved Average CS	84	83	83	81	82
	Tyler	Achieved Goal (%)	91.43	93.25	90.41	87.09	84.4
		Achieved Average CS	93	92	89	86	83

Based on the analysis results presented in Table 9, at the end of the 4-year planning horizon the county in best condition was Newton (93.22%) while the worst was Jefferson (75.25%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

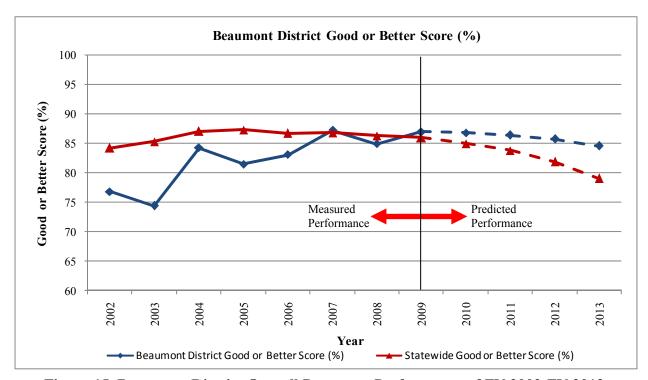


Figure 15. Beaumont District Overall Pavement Performance of FY 2002-FY 2013

Brownwood District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 2,678Total Lane miles = 5,741

FY 2009 Plan total treatments = 962.8 lane miles = 16.8% of system lane miles FY 2010 Plan total treatments = 958.2 lane miles = 16.7% of system lane miles FY 2011 Plan total treatments = 777.3 lane miles = 13.5% of system lane miles FY 2012 Plan total treatments = 657.8 lane miles = 11.5% of system lane miles

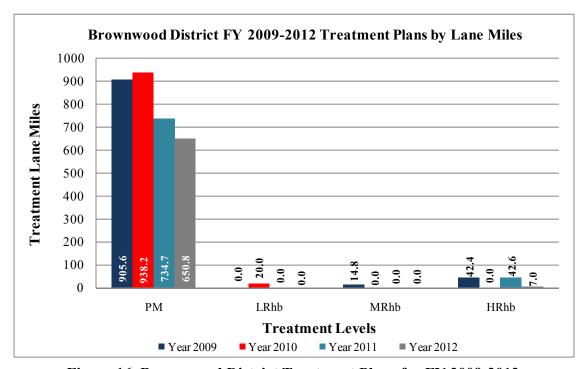


Figure 16. Brownwood District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 42.2, 0.0, 42.6 and 7.0 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 14.8, 0.0, 0.0 and 0.0 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0 20.0, 0.0 and 0.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 905.6 and 938.2, 734.7 and 650.8 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 920.4 lane miles or approximately 16.0% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 958.2 lane miles + 42.4 lane miles of Heavy Rehab treatments from FY 2009 = 1000.6 lane miles or approximately 17.4% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 734.7 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2010 = 734.7 lane miles or approximately 12.8% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 650.8 lane miles + 42.6 lane miles of Heavy Rehab treatments from FY 2011 = 693.4 lane miles or approximately 12.1% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 10. Pavement Performance Summary for Brownwood District and Counties

			Base Year		Analysi	is Years	
		_	2008	2010	2011	2012	2013
]	Brownwood Achieved Goal (%)		91.17	92.39	93.6	93.33	92.47
	District	Achieved Average CS	93	92	91	89	87
	Duorem	Achieved Goal (%)	94.38	92.97	92.6	90.87	88.09
	Brown	Achieved Average CS	95	93	91	88	86
±	Colomon	Achieved Goal (%)	92.24	94.28	94.57	94.17	93.11
Brownwood District	Coleman	Achieved Average CS	93	93	91	89	86
d D	Comanche	Achieved Goal (%)	91.28	92.06	96	95.06	93.25
MOO		Achieved Average CS	94	92	92	89	87
0 w		Achieved Goal (%)	91.84	92.88	93.51	91.38	91.21
	Eastland	Achieved Average CS	93	92	90	88	87
Counties in	Υ	Achieved Goal (%)	95.04	93.92	93.59	92.8	90.53
ount	Lampasas	Achieved Average CS	95	93	91	89	87
Ŭ	M-Collect	Achieved Goal (%)	93.96	94.15	93.73	96.42	96.85
	McCulloch	Achieved Average CS	94	93	91	91	89
	Mills	Achieved Goal (%)	95.75	94.8	97.7	97.24	98.1

	Base Year Analysis Years						
				2010	2011	2012	2013
		Achieved Average CS	95	94	94	92	90
	San Saba	Achieved Goal (%)	86.51	87.02	87.67	89.65	92.33
		Achieved Average CS	89	89	88	88	88
	Stephens	Achieved Goal (%)	77.71	87.64	91.96	93.54	91.32
		Achieved Average CS	85	90	90	89	86

Based on the analysis results presented in Table 10, at the end of the 4-year planning horizon the county in best condition was Mills (98.10%) while the worst was Brown (88.09%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

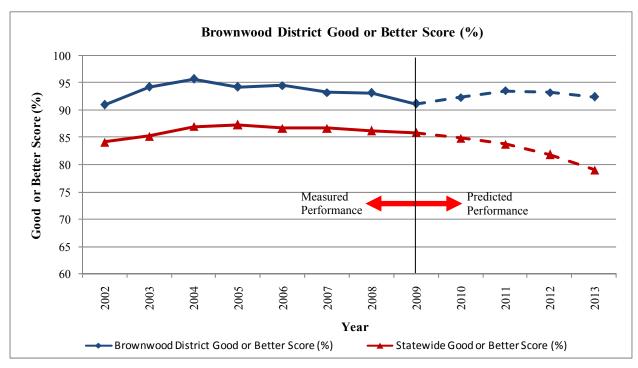


Figure 17. Brownwood District Overall Pavement Performance of FY 2002-FY 2013

Bryan District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 3,127Total Lane miles = 6,833

FY 2009 Plan total treatments = 816.3 lane miles = 11.9% of system lane miles FY 2010 Plan total treatments = 627.0 lane miles = 9.2% of system lane miles FY 2011 Plan total treatments = 580.8 lane miles = 8.5% of system lane miles FY 2012 Plan total treatments = 532.2 lane miles = 7.8% of system lane miles

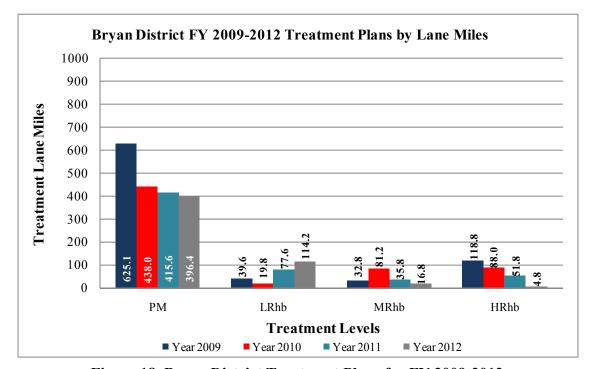


Figure 18. Bryan District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 118.8, 88.0, 51.8 and 4.8 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 32.8, 81.2, 35.8 and 16.8 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 39.6, 19.8, 77.6 and 114.2 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 625.1, 438.0, 415.6 and 396.4 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 697.5 lane miles or approximately 10.2% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 539.0 lane miles + 118.8 lane miles of Heavy Rehab treatments from FY 2009 = 657.8 lane miles or approximately 9.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 529.0 lane miles + 88.0 lane miles of Heavy Rehab treatments from FY 2010 = 617.0 lane miles or approximately 9.0% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 527.4 lane miles + 51.8 lane miles of Heavy Rehab treatments from FY 2011 = 579.2 lane miles or approximately 8.5% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 11. Pavement Performance Summary for Bryan District and Counties

			Base Year	•	Analysi	s Years	
		_	2009	2010	2011	2012	2013
D	D'-4-1-4	Achieved Goal (%)	87.57	85.27	83.5	81.81	77.52
В	ryan District	Achieved Average CS	90	88	86	83	81
	D	Achieved Goal (%)	83.33	82.19	80	75.38	68.45
	Brazos	Achieved Average CS	88	87	83	79	75
	Burleson	Achieved Goal (%)	88.87	84.55	79.46	79.49	71.75
ict		Achieved Average CS	90	87	84	82	78
Bryan District	Freestone	Achieved Goal (%)	82.47	79.21	80.12	80.85	77.22
an I		Achieved Average CS	87	85	84	84	81
Bry	G .	Achieved Goal (%)	85.16	81.58	80.75	77.5	77.8
es in	Grimes	Achieved Average CS	89	86	85	82	82
Counties in	T	Achieved Goal (%)	88.68	86.93	82.45	84.4	79.97
Co	Leon	Achieved Average CS	90	89	85	85	82
	Madiana	Achieved Goal (%)	85.19	82.66	81.16	78.66	73.41
	Madison	Achieved Average CS	88	86	85	82	78
	Milam	Achieved Goal (%)	89.33	87.4	87.93	83.31	78.5

			Base Year		Analysis Years		
		2009	2010	2011	2012	2013	
		Achieved Average CS	91	89	89	85	81
	Robertson	Achieved Goal (%)	87.11	86.28	87.37	85.69	83.12
		Achieved Average CS	91	89	88	86	83
	XX/ - 11	Achieved Goal (%)	94.5	91.97	88.29	87.39	83.32
	Walker	Achieved Average CS	93	91	88	85	83
		Achieved Goal (%)	91.91	90.05	87.61	85.21	81.79
	Washington	Achieved Average CS	93	91	87	84	82

Based on the analysis results presented in Table 11, at the end of the 4-year planning horizon the county in best condition was Walker (83.32%) while the worst was Brazos (68.45%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

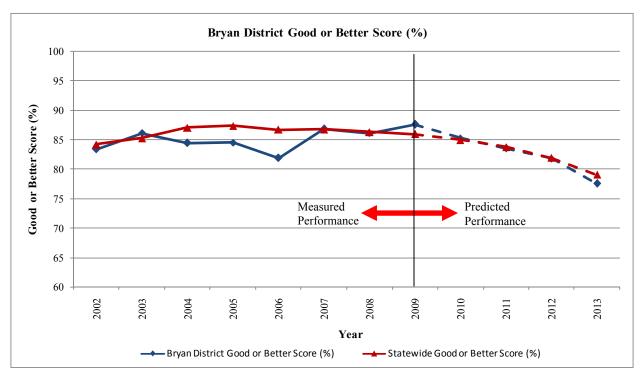


Figure 19. Bryan District Overall Pavement Performance of FY 2002-FY 2013

Childress District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 2,506Total Lane miles = 5,401

FY 2009 Plan total treatments = **417.0 lane miles** = 7.7% of system lane miles FY 2010 Plan total treatments = **337.5 lane miles** = 6.2% of system lane miles FY 2011 Plan total treatments = **308.6 lane miles** = 5.7% of system lane miles FY 2012 Plan total treatments = **382.4 lane miles** = 7.1% of system lane miles

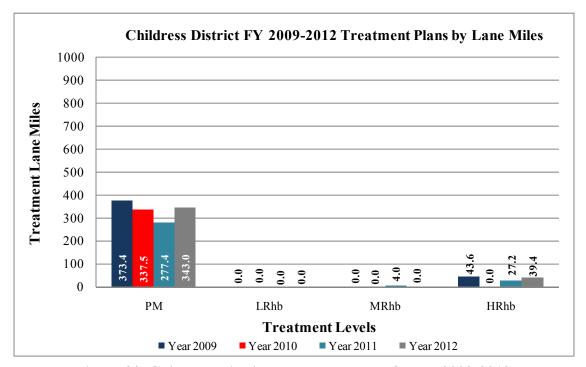


Figure 20. Childress District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 43.6, 0.0, 27.2 and 39.4 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 0.0, 4.0 and 0.0.
- There were no Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 373.4, 337.5, 277.4 and 343.0 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 373.4 lane miles or approximately 6.9% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 337.5 lane miles + 43.6 lane miles of Heavy Rehab treatments from FY 2009 = 381.1 lane miles or approximately 7.1% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 281.4 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2010 = 281.4 lane miles or approximately 5.2% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 343.0 lane miles + 27.2 lane miles of Heavy Rehab treatments from FY 2011 = 370.2 lane miles or approximately 6.9% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 12. Pavement Performance Summary for Childress District and Counties

		ment i eriormance k	Base Year		Analysi		
		_	2009	2010	2011	2012	2013
Chi	Achieved Goal (%)			90.87	91.25	90.15	88.01
Cni	ildress District	Achieved Average CS	94	92	90	88	85
	Briscoe	Achieved Goal (%)	91.18	90.94	88.18	89.04	85.12
	Driscoe	Achieved Average CS	93	92	89	87	84
	Children	Achieved Goal (%)	84.77	83.55	92.32	91.1	87.91
ict	Childress	Achieved Average CS	90	88	91	88	85
istr	Collingsworth	Achieved Goal (%)	91.71	89.94	89.1	88.7	86.48
ss I		Achieved Average CS	94	92	90	87	83
Childress District	Cottle	Achieved Goal (%)	98.09	96.54	95.15	94.22	90.5
Ch	Cottle	Achieved Average CS	97	95	92	89	86
Counties in	D'alama	Achieved Goal (%)	94.43	92.81	91.49	89.66	87.66
unti	Dickens	Achieved Average CS	96	93	91	88	86
Co	Dowless	Achieved Goal (%)	82.77	80.69	88.33	87.08	85.77
	Donley	Achieved Average CS	91	89	89	87	85
	Esaud	Achieved Goal (%)	90.47	86.49	82.03	82.3	80.47
	Foard	Achieved Average CS	91	89	86	85	82

		Base Year		Analysi	s Years	
		2009	2010	2011	2012	2013
Hall	Achieved Goal (%)	94.77	93.75	94.46	93.18	90.68
Hall	Achieved Average CS	96	94	92	90	87
Hardeman	Achieved Goal (%)	87.04	90.1	91.46	88.92	85.77
	Achieved Average CS	92	91	90	87	84
King	Achieved Goal (%)	92.99	93.5	91.98	97.46	96.95
	Achieved Average CS	93	93	90	92	90
	Achieved Goal (%)	94.51	97.23	95.89	95.03	92.18
Knox	Achieved Average CS	96	95	92	90	88
N. (1)	Achieved Goal (%)	96.49	96.25	95.34	94.43	93.1
Motley	Achieved Average CS	96	95	93	90	87
XX/II	Achieved Goal (%)	91.98	91	89.09	85.48	85.75
Wheeler	Achieved Average CS	93	91	88	85	84

Based on the analysis results presented in Table 12, at the end of the 4-year planning horizon the county in best condition was King (96.95%) while the worst was Foard (80.47%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

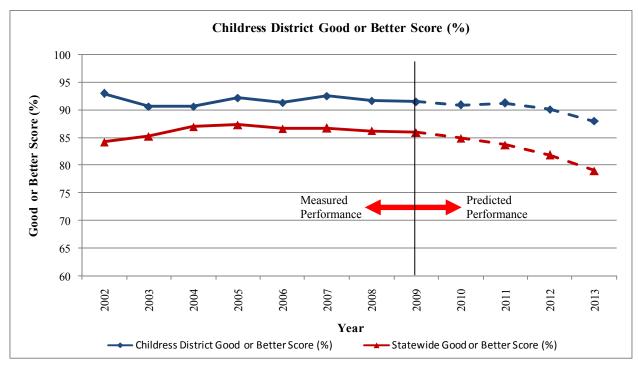


Figure 21. Childress District Overall Pavement Performance of FY 2002-FY 2013

Corpus Christi District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 2,886Total Lane miles = 6,866

FY 2009 Plan total treatments = 1033.5 lane miles = 15.1% of system lane miles FY 2010 Plan total treatments = 972.8 lane miles = 14.2% of system lane miles FY 2011 Plan total treatments = 972.1 lane miles = 14.2% of system lane miles FY 2012 Plan total treatments = 677.4 lane miles = 9.9% of system lane miles

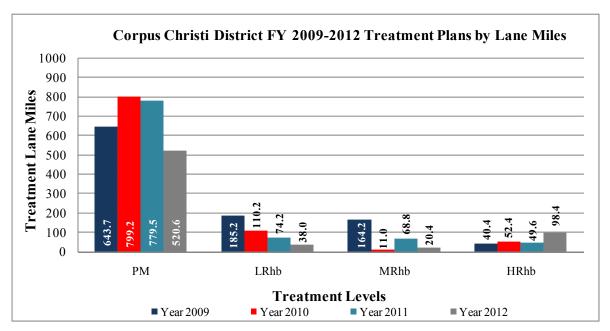


Figure 22. Corpus Christi District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 40.4, 52.4, 49.6 and 98.4 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 164.2, 11.0, 68.8 and 20.4 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 185.2, 110.2, 74.2 and 38.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 643.7, 799.2, 779.5 and 520.6 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 993.1 lane miles or approximately 14.5% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 920.4 lane miles + 40.4 lane miles of Heavy Rehab treatments from FY 2009 = 960.8 lane miles or approximately 14.0% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 922.5 lane miles + 52.4 lane miles of Heavy Rehab treatments from FY 2010 = 974.9 lane miles or approximately 14.2% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 579.0 lane miles + 49.6 lane miles of Heavy Rehab treatments from FY 2011 = 628.6 lane miles or approximately 9.2% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 13. Pavement Performance Summary for Corpus Christi District and Counties

			Base Year		Analysi	s Years	
			2009	2010	2011	2012	2013
Co	orpus Christi	Achieved Goal (%)	83.58	83.31	82.72	82.83	80.38
	District	Achieved Average CS	88	87	85	84	82
	Arongog	Achieved Goal (%)	89.85	84.59	84.11	78.84	80.66
	Aransas	Achieved Average CS	91	87	85	82	83
,	Bee	Achieved Goal (%)	86.39	88.82	88.41	88.31	84.53
stric	Dee	Achieved Average CS	90	90	88	86	83
ti Di	Goliad	Achieved Goal (%)	82.97	88.86	82.68	80.77	77.55
hris		Achieved Average CS	87	89	86	83	81
us C	Jim Wells	Achieved Goal (%)	76.21	76.4	77.88	81.22	83.59
orpı	Jim wens	Achieved Average CS	84	83	83	83	83
in C	Karnes	Achieved Goal (%)	85.59	81.88	80.16	77.42	72.21
ties	Karnes	Achieved Average CS	89	87	84	81	78
Counties in Corpus Christi District	Vlohove	Achieved Goal (%)	84.47	86.47	86.7	84.13	79.22
	Kleberg	Achieved Average CS	88	88	87	84	80
	Live Oak	Achieved Goal (%)	84.32	85.32	83.59	83.51	79.09
	Live Oak	Achieved Average CS	88	89	87	85	81

		Base Year	Vear Analysis Years				
			2010	2011	2012	2013	
Nuona	Achieved Goal (%)	85.1	82.04	82.37	82.2	80.73	
Nueces	Achieved Average CS	89	86	85	84	82	
D. 6 .	Achieved Goal (%)	91.1	91.19	88.52	88.91	84.79	
Refugio	Achieved Average CS	90	89	87	87	83	
a n	Achieved Goal (%)	77.48	77.4	79.27	83.02	81.51	
San Patricio	Achieved Average CS	85	84	83	84	82	

Based on the analysis results presented in Table 13, at the end of the 4-year planning horizon the county in best condition was Refugio (84.79%) while the worst was Karnes (72.21%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

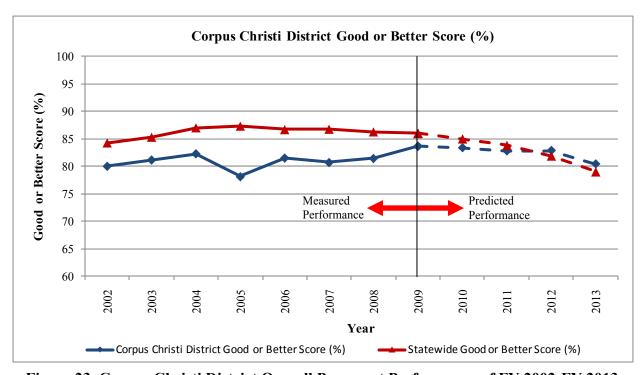


Figure 23. Corpus Christi District Overall Pavement Performance of FY 2002-FY 2013

Dallas District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 3,289Total Lane miles = 10,040

FY 2009 Plan total treatments = 671.4 lane miles = 6.7% of system lane miles FY 2010 Plan total treatments = 830.6 lane miles = 8.3% of system lane miles FY 2011 Plan total treatments = 448.2 lane miles = 4.5% of system lane miles FY 2012 Plan total treatments = 436.5 lane miles = 4.3% of system lane miles

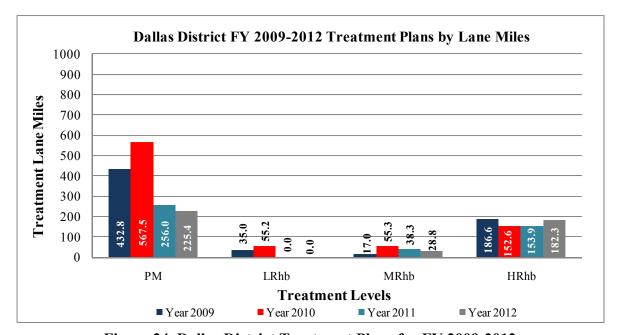


Figure 24. Dallas District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 186.6, 152.6, 153.9 and 182.3 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 17.0, 55.3, 38.3 and 28.8 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 35.0, 55.2, 0.0 and 0.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 432.8, 567.5, 256.0 and 225.4 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 484.8 lane miles or approximately 4.8% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 678.0 lane miles + 186.6 lane miles of Heavy Rehab treatments from FY 2009 = 864.6 lane miles or approximately 8.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 294.3 lane miles + 152.6 lane miles of Heavy Rehab treatments from FY 2010 = 446.9 lane miles or approximately 4.5% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 254.2 lane miles + 153.9 lane miles of Heavy Rehab treatments from FY 2011 = 408.1 lane miles or approximately 4.1% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 14. Pavement Performance Summary for Dallas District and Counties

			Base Year	•	Analysis Years				
			2009	2010	2011	2012	2013		
D.	Achieved Goal (%)		75.27	70.1	66.82	62.05	58.19		
D	allas District	Achieved Average CS	81	78	75	71	68		
	Collin	Achieved Goal (%)	78.41	75.03	71.37	64.6	62.19		
	Collin	Achieved Average CS	83	81	78	74	71		
t	Dallas	Achieved Goal (%)	67.98	60.14	55.71	50.85	45.95		
tric	Dallas	Achieved Average CS	76	71	68	64	60		
s Dis	Donton	Achieved Goal (%)	80.92	74.19	72.1	2012 62.05 71 64.6 74 50.85 64 66.32 74 75.36 79 55.95 67 76.19	64.6		
alla	Denton	Achieved Average CS	85	81	78	74	72		
Counties in Dallas District	DII:	Achieved Goal (%)	82	81.62	77.88	75.36	73.16		
ties	Ellis	Achieved Average CS	86	84	81	79	77		
onu	I./ C	Achieved Goal (%)	69.83	65.13	60.27	2012 62.05 71 64.6 74 50.85 64 66.32 74 75.36 79 55.95 67 76.19 79 51.15	52.22		
	Kaufman	Achieved Average CS	78	74	71	67	63		
	NI	Achieved Goal (%)	86.02	80.97	79.76	2012 201 62.05 58.1 71 68 64.6 62.1 74 71 50.85 45.9 64 60 66.32 64. 74 72 75.36 73.1 79 77 55.95 52.2 67 63 76.19 69.7 51.15 42.5	69.79		
	Navarro	Achieved Average CS	88	85	82	79	75		
	D 1 11	Achieved Goal (%)	57.51	53.75	58.16	51.15	42.58		
	Rockwall	Achieved Average CS	71	69	70	67	61		

Based on the analysis results presented in Table 14, at the end of the 4-year planning horizon the county in best condition was Ellis (73.16%) while the worst was Rockwall (42.58%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

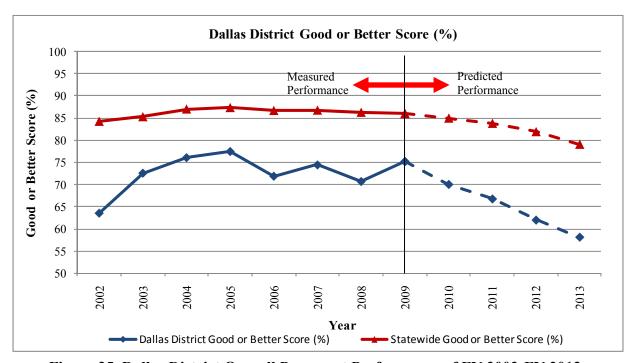


Figure 25. Dallas District Overall Pavement Performance of FY 2002-FY 2013

El Paso District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 1,927Total Lane miles = 4,717

FY 2009 Plan total treatments = **319.1 lane miles** = 6.8% of system lane miles FY 2010 Plan total treatments = **79.2 lane miles** = 1.7% of system lane miles FY 2011 Plan total treatments = **263.3 lane miles** = 5.6% of system lane miles FY 2012 Plan total treatments = **349.0 lane miles** = 7.4% of system lane miles

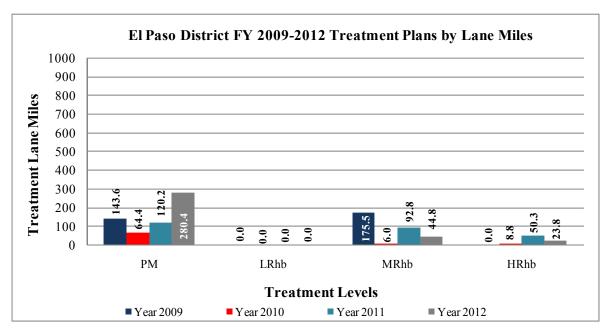


Figure 26. El Paso District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 8.8, 50.3 and 23.8 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 175.5, 6.0, 92.8 and 44.8 lane miles respectively.
- There were no Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 143.6, 64.4, 120.2 and 280.4 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 319.1 lane miles or approximately 6.8% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 70.4 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2009 = 70.4 lane miles or approximately 1.5% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 213.0 lane miles + 8.8 lane miles of Heavy Rehab treatments from FY 2010 = 221.8 lane miles or approximately 4.7% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 325.2 lane miles + 50.3 lane miles of Heavy Rehab treatments from FY 2011 = 375.5 lane miles or approximately 8.0% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 15. Pavement Performance Summary for El Paso District and Counties

			Base Year		Analysi	is Years	
			2008	2010	2011	2012	2013
17:1	Daga Diatwist	Achieved Goal (%)	87.35	86.15	84.13	81.76	80.39
L	Paso District	Achieved Average CS	90	88	86	83	81
	D4	Achieved Goal (%)	95.55	93.93	92.44	91.24	87.47
	Brewster	Achieved Average CS	95	93	90	88	85
;t	Culhama	Achieved Goal (%)	92.46	92.27	89.91	86.54	82.23
stric	Culberson	Achieved Average CS	93	92	89	85	82
Paso District	ELD	Achieved Goal (%)	78.34	77.39	73.86	71.88	73.44
Pas	El Paso	Achieved Average CS	84	83	80	78	79
in El		Achieved Goal (%)	90.42	90.15	90.8	88	85.02
ies i	Hudspeth	Achieved Average CS	93	91	89	87	83
Counties	L-CCD	Achieved Goal (%)	87.94	84.36	82.51	79.73	81.49
C	Jeff Davis	Achieved Average CS	90	88	85	2012 81.76 83 91.24 88 86.54 85 71.88 78 88 87	82
	D '11	Achieved Goal (%)	92.01	89.83	87.79	85.31	81.95
	Presidio	Achieved Average CS	93	90	87	85	81

Based on the analysis results presented in Table 15, at the end of the 4-year planning horizon the county in best condition was Brewster (87.47%) while the worst was El Paso (73.44%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

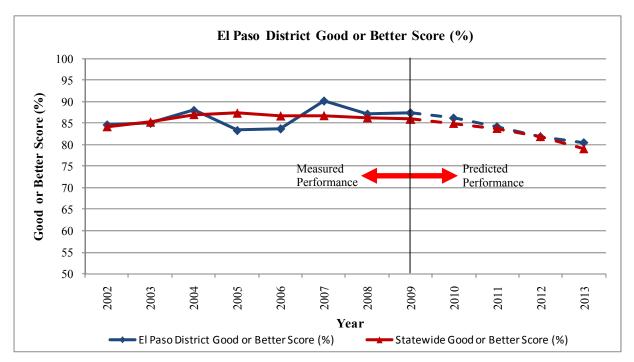


Figure 27. El Paso District Overall Pavement Performance of FY 2002-FY 2013

Fort Worth District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 3,297 Total Lane miles = 8,528

FY 2009 Plan total treatments = **754.8 lane miles** = 8.9% of system lane miles FY 2010 Plan total treatments = **566.5 lane miles** = 6.6% of system lane miles FY 2011 Plan total treatments = **571.8 lane miles** = 6.7% of system lane miles FY 2012 Plan total treatments = **2122.1 lane miles** = 24.9% of system lane miles

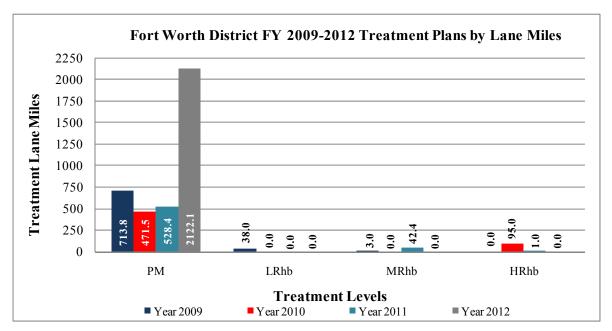


Figure 28. Fort Worth District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 95.0, 1.0 and 0.0 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 3.0 0.0, 42.4 and 0.0 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 38.0 0.0, 0.0 and 0.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 713.8, 471.5, 528.4 and 2122.1 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 754.8 lane miles or approximately 8.9% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 471.5 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2009 = 471.5 lane miles or approximately 5.5% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 570.8 lane miles + 95.0 lane miles of Heavy Rehab treatments from FY 2010 = 665.8 lane miles or approximately 7.8% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 2122.1 lane miles + 1.0 lane miles of Heavy Rehab treatments from FY 2011 = 2123.1 lane miles or approximately 24.9% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 16. Pavement Performance Summary for Fort Worth District and Counties

			Base Year		Analysi	is Years	
			2009	2010	2011	2012	2013
East	Wouth Distuist	Achieved Goal (%)	81.44	80.1	77.5	74.07	78.42
Fort	Worth District	Achieved Average CS	87	84	82	79	80
	Erath	Achieved Goal (%)	87.59	88.03	86.51	82.69	77.39
	Erain	Achieved Average CS	90	89	86	83	80
	TT I	Achieved Goal (%)	73.75	70.12	79.92	80.18	85.78
; ,	Hood	Achieved Average CS	85	82	84	82	83
stric	Total	Achieved Goal (%)	91.2	91.52	91.55	74.07 78.4 79 80 82.69 77.3 83 80 80.18 85.7 82 83 90.47 83.3 87 82 74.51 76.4 78 78 78.55 75.2 82 79 77.61 82.0 80 83 80.65 80.4 84 80	83.8
h Di	Jack	Achieved Average CS	93	91	90	87	82
Vort	T 1	Achieved Goal (%)	76.29	77.25	75.32	74.51 7	76.46
Counties in Fort Worth District	Johnson	Achieved Average CS	84	82	80	78	78
n Fo	D 1 D' 4	Achieved Goal (%)	90.36	86.86	83.44	79 80 82.69 77.39 83 80 80.18 85.78 82 83 90.47 83.8 87 82 74.51 76.46 78 78 78.55 75.24 82 79 77.61 82.09 80 83 80.65 80.44 84 80	75.24
ies i	Palo Pinto	Achieved Average CS	93	90	86	82	79
ount	D 1	Achieved Goal (%)	78.17	81.65	76.89	2012 2013 74.07 78.4 79 80 82.69 77.3 83 80 80.18 85.7 82 83 90.47 83.8 87 82 74.51 76.4 78 78 78.55 75.2 82 79 77.61 82.0 80 83 80.65 80.4 84 80	82.09
ŭ	Parker	Achieved Average CS	83	84	80	80	83
	0 "	Achieved Goal (%)	83.74	77.61	85.5	74.07 78.4 79 80 82.69 77.3 83 80 80.18 85.7 82 83 90.47 83.8 87 82 74.51 76.4 78 78 78.55 75.2 82 79 77.61 82.0 80 83 80.65 80.4 84 80	80.44
	Somervell	Achieved Average CS	89	84	87	84	80
	Tarrant	Achieved Goal (%)	79.2	73.97	68.78	63.22	77.29

		Base Year	Analysis Years			
		2009	2010 2011 2012 2013			2013
	Achieved Average CS	85	80	77	73	81
VV: ~ ~	Achieved Goal (%)	80.79	87.68	86.1	82.21	77.53
Wise	Achieved Average CS	87	90	87	83	79

Based on the analysis results presented in Table 16, at the end of the 4-year planning horizon the county in best condition was Hood (85.78%) while the worst was Palo Pinto (75.24%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

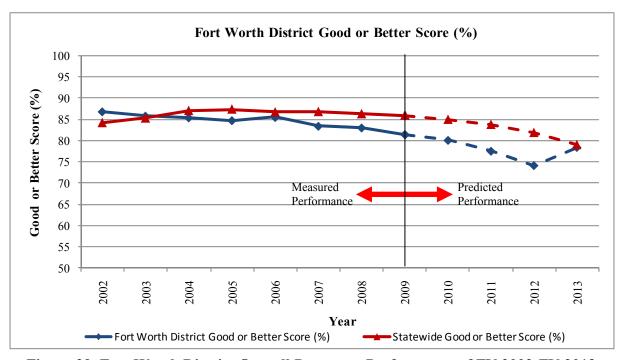


Figure 29. Fort Worth District Overall Pavement Performance of FY 2002-FY 2013

Houston District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 3,134Total Lane miles = 9,885

FY 2009 Plan total treatments = 506.8 lane miles = 5.1% of system lane miles FY 2010 Plan total treatments = 288.5 lane miles = 2.9% of system lane miles FY 2011 Plan total treatments = 154.6 lane miles = 1.6% of system lane miles FY 2012 Plan total treatments = 226.3 lane miles = 2.3% of system lane miles

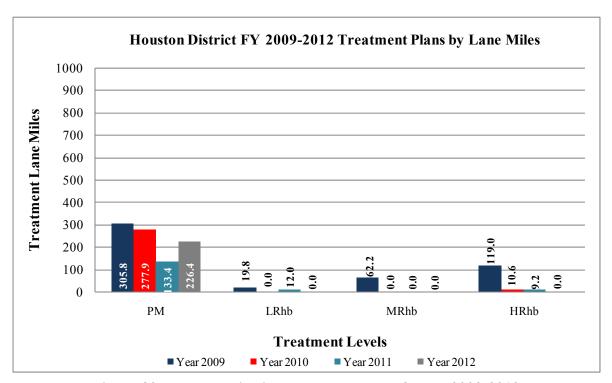


Figure 30. Houston District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 119.0, 10.6, 9.2 and 0.0 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 62.2, 0.0, 0.0 and 0.0 lane miles respectively.

- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 19.8 0.0, 12.0 and 0.0 lane miles respectively.
- The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 305.8 and 277.9, 133.4 and 226.4 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 387.8 lane miles or approximately 3.9% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 277.9 lane miles + 119.0 lane miles of Heavy Rehab treatments from FY 2009 = 396.9 lane miles or approximately 4.0% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 145.4 lane miles + 10.6 lane miles of Heavy Rehab treatments from FY 2010 = 156.0 lane miles or approximately 1.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 226.4 lane miles + 9.2 lane miles of Heavy Rehab treatments from FY 2011 = 235.6 lane miles or approximately 2.4% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 17. Pavement Performance Summary for Houston District and Counties

			Base Year		Analysi		
		_	2009	2010	2011	2012	2013
Ша	noton District	Achieved Goal (%)	75.8	71.93	67.74	62.46	57.41
но	uston District	Achieved Average CS	84	80	77	72	69
	D	Achieved Goal (%)	74.26	73.72	70.17	65.42	62.53
	Brazoria	Achieved Average CS	82	81	77	73	70
ct	E4 D1	Achieved Goal (%)	81.43	78.45	74.3	62.46 72 65.42	66.73
District	Fort Bend	Achieved Average CS	88	85	81	77	73
		Achieved Goal (%)	70.75	66.4	64.58	61.08	58.48
Houston	Galveston	Achieved Average CS	81	78	76	2012 62.46 72 65.42 73 70.26 77 61.08 72 56.19 68 70.42 78 82.18	70
in Ho	II	Achieved Goal (%)	75.09	69.14	62.84	56.19	48.66
	Harris	Achieved Average CS	82	78	74	68	64
Counties	Mandana	Achieved Goal (%)	80.45	76.64	74.59	70.42	67.39
ŭ	Montgomery	Achieved Average CS	88	85	82	78	75
	XX7 - 11	Achieved Goal (%)	75.3	80.9	84.63	82.18	82.3
	Waller	Achieved Average CS	87	88	88	85	82

Based on the analysis results presented in Table 17, at the end of the 4-year planning horizon the county in best condition was Waller (82.30%) while the worst was Harris (48.66%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

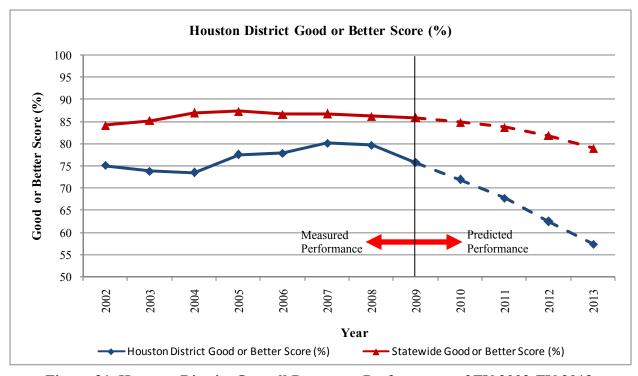


Figure 31. Houston District Overall Pavement Performance of FY 2002-FY 2013

Laredo District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 2,266Total Lane miles = 4,892

FY 2009 Plan total treatments = **153.8 lane miles** = 3.1% of system lane miles FY 2010 Plan total treatments = **379.1 lane miles** = 7.8% of system lane miles FY 2011 Plan total treatments = **194.6 lane miles** = 4.0% of system lane miles FY 2012 Plan total treatments = **337.7 lane miles** = 6.9% of system lane miles

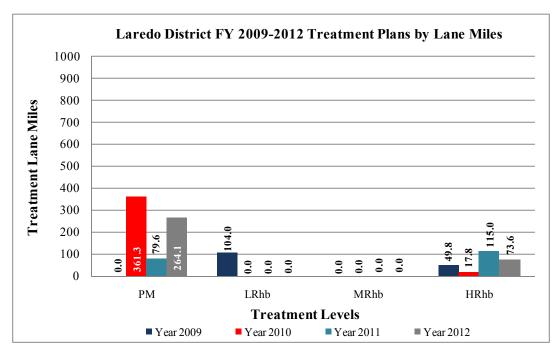


Figure 32. Laredo District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 49.8 and 17.8, 115.0 and 73.6 lane miles respectively.
- There were no Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 104.0 0.0, 0.0 and 0.0 lane miles respectively.
- The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 361.3, 79.6 and 264.1 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 104.0 lane miles or approximately 2.1% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 361.3 lane miles + 49.8 lane miles of Heavy Rehab treatments from FY 2009 = 411.1 lane miles or approximately 8.4% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 79.6 lane miles + 17.8 lane miles of Heavy Rehab treatments from FY 2010 = 97.4 lane miles or approximately 2.0% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 264.1 lane miles + 115.0 lane miles of Heavy Rehab treatments from FY 2011 = 379.1 lane miles or approximately 7.8% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 18. Pavement Performance Summary for Laredo District and Counties

					Analys	is Years	
				2010	2011	2012	2013
I	redo District	Achieved Goal (%)	85.37	83.30	81.36	78.01	73.27
Là	ireuo District	Achieved Average CS	89	86	84	81	78
	Dimmit	Achieved Goal (%)	83.76	80.1	77.57	76.1	76.33
	Dillillit	Achieved Average CS	89	86	82	80	80
	Duval	Achieved Goal (%)	93.46	92.18	89.62	86.43	81.47
	Duvai	Achieved Average CS	94	92	88	85	82
; ,	Vinnov	Achieved Goal (%)	94.09	90.94	88.98	78.01 81 76.1 80 86.43	77.07
Counties in Laredo District	Kinney	Achieved Average CS	95	91	88	84	79
o Di	La Salle	Achieved Goal (%)	79.29	80.87	76.22	81 76.1 80 86.43 85 83.63 84 72.9 78 64.74 74 84.26 83 81.45	70.68
ared	La Salle	Achieved Average CS	86	86	82	78	77
in La	Maverick	Achieved Goal (%)	67.95	65.15	70.17	64.74	59.80
ties i	Maverick	Achieved Average CS	78	74	78	74	71
onu	Val Verde	Achieved Goal (%)	91.2	88.42	86.31	78.01 81 76.1 80 86.43 85 83.63 84 72.9 78 64.74 74 84.26 83 81.45 82 66.53	77.49
С	vai verde	Achieved Average CS	92	88	86	83	80
	Walah	Achieved Goal (%)	87.79	85.69	84.32	81.45	76.47
	Webb	Achieved Average CS	90	88	86	82	79
	Zavala	Achieved Goal (%)	79.62	76.03	71.4	66.53	59.15
	Zavala	Achieved Average CS	86	83	79	74	69

Based on the analysis results presented in Table 18, at the end of the 4-year planning horizon the county in best condition was Duval (81.47%) while the worst was Zavala (59.15%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

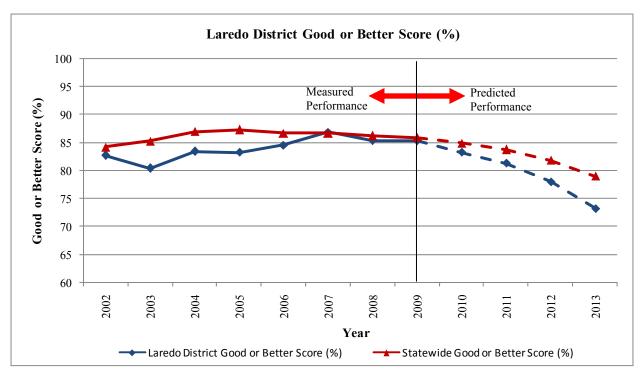


Figure 33. Laredo District Overall Pavement Performance of FY 2002-FY 2013

Lubbock District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 5,267 Total Lane miles = 11,732

FY 2009 Plan total treatments = **815.0 lane miles** = 6.9% of system lane miles FY 2010 Plan total treatments = **684.5 lane miles** = 5.8% of system lane miles FY 2011 Plan total treatments = **845.7 lane miles** = 7.2% of system lane miles FY 2012 Plan total treatments = **691.8 lane miles** = 5.9% of system lane miles

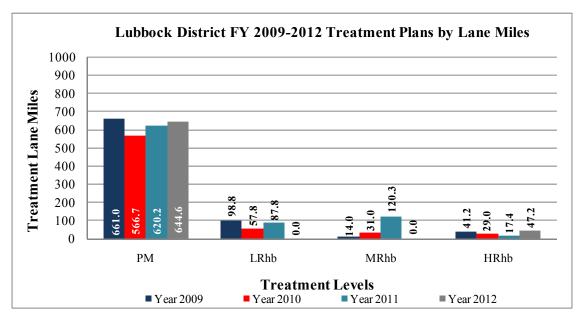


Figure 34. Lubbock District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 41.2, 29.0, 17.4 and 47.2 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 14.0, 31.0, 120.3 and 0.0 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 98.8, 57.8, 87.8 and 0.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 661.0 and 566.7, 620.2 and 644.6 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 773.8 lane miles or approximately 6.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 655.5 lane miles + 41.2 lane miles of Heavy Rehab treatments from FY 2009 = 696.7 lane miles or approximately 5.9% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 828.3 lane miles + 29.0 lane miles of Heavy Rehab treatments from FY 2010 = 857.3 lane miles or approximately 7.3% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 644.6 lane miles + 17.4 lane miles of Heavy Rehab treatments from FY 2011 = 662.0 lane miles or approximately 5.6% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 19. Pavement Performance Summary for Lubbock District and Counties

			Base Year	Analysis Years			
			2009	2010	2011	2012	2013
Ι	bbock District	Achieved Goal (%)	86.4	85.99	86.38	86.94	84.48
Lu	DDOCK DISTRICT	Achieved Average CS	91	89	87	86	84
	Dallar	Achieved Goal (%)	91.77	91.57	89.95	89.13	89.58
	Bailey	Achieved Average CS	93	91	88	86	85
	Castus	Achieved Goal (%)	82.35	81.64	86.66	85.58	81.94
	Castro	Achieved Average CS	88	86	88	85	82
trict	Cookers	Achieved Goal (%)	95.54	94.04	94.59	2012 2013 86.94 84.48 86 84 89.13 89.58 86 85 85.58 81.94 85 82 93.52 88.33 89 86 92.61 87.8 89 85 89.33 87.98 87 85 73.11 79.64 79 82	88.33
Dis	Cochran	Achieved Average CS	96	94	92	89	86
ock	G 1	Achieved Goal (%)	76.42	80.81	88.79		87.8
Lubbock District	Crosby	Achieved Average CS	87	88	89	89	85
in I	D	Achieved Goal (%)	79.8	79.83	77.46	86 84 89.13 89.58 86 85 85.58 81.94 85 82 93.52 88.33 89 86 92.61 87.8 89 85 89.33 87.98 87 85 73.11 79.64 79 82 92.34 89.52 88 86	87.98
Counties in	Dawson	Achieved Average CS	88	86	83	87	85
Cour	F1 1	Achieved Goal (%)	77.64	75.62	74.86	2012 2013 86.94 84.48 86 84 89.13 89.58 86 85 85.58 81.94 85 82 93.52 88.33 89 86 92.61 87.8 89 85 89.33 87.98 87 85 73.11 79.64 79 82 92.34 89.52 88 86	79.64
	Floyd	Achieved Average CS	87	84	82	79	82
	G :	Achieved Goal (%)	92.59	92.56	95.25	2012 2013 86.94 84.44 86 84 89.13 89.53 86 85 85.58 81.94 85 82 93.52 88.33 89 86 92.61 87.8 89 85 89.33 87.98 87 85 73.11 79.64 79 82 92.34 89.52 88 86	89.52
	Gaines	Achieved Average CS	94	92	91		86
	Garza	Achieved Goal (%)	96.59	95.42	96.64	94.03	90.17

		Base Year		Analysi	is Years	
		2009	2010	2011	2012	2013
	Achieved Average CS	97	94	93	90	86
Hale	Achieved Goal (%)	90.96	90.42	88.13	85.78	84.46
Наве	Achieved Average CS	93	91	88	85	84
Haaklan	Achieved Goal (%)	85.01	81.65	83.05	82.07	79.3
Hockley	Achieved Average CS	88	87	86	84	82
Lamb	Achieved Goal (%)	76.32	78.25	80.31	80.57	75.86
Lamb	Achieved Average CS	85	85	84	83	80
Lubbock	Achieved Goal (%)	88.62	87.43	86.94	87.73	83.65
Lubbock	Achieved Average CS	91	90	88	87	84
T	Achieved Goal (%)	85.43	86.8	88.52	87.73	83.51
Lynn	Achieved Average CS	91	89	88	86	83
D	Achieved Goal (%)	77.06	74.63	74.46	77.19	77.42
Parmer	Achieved Average CS	86	84	82	81	80
Swisher	Achieved Goal (%)	93.98	91.58	89.18	88.57	84.16
Swisner	Achieved Average CS	94	92	89	87	84
T	Achieved Goal (%)	87.75	90.94	90.85	91.64	90.49
Terry	Achieved Average CS	92	92	90	88	86
Vaslana	Achieved Goal (%)	94.4	92.98	90.77	95.76	92.33
Yoakum	Achieved Average CS	95	93	90	91	88

Based on the analysis results presented in Table 19, at the end of the 4-year planning horizon the county in best condition was Yoakum (92.33%) while the worst was Lamb (75.86%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

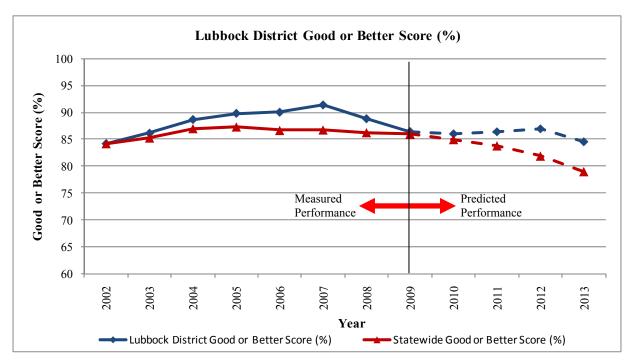


Figure 35. Lubbock District Overall Pavement Performance of FY 2002-FY 2013

Lufkin District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 2,880Total Lane miles = 6,386

FY 2009 Plan total treatments = 616.2 lane miles = 9.6% of system lane miles FY 2010 Plan total treatments = 970.7 lane miles = 15.2% of system lane miles FY 2011 Plan total treatments = 745.9 lane miles = 11.7% of system lane miles FY 2012 Plan total treatments = 573.2 lane miles = 9.0% of system lane miles

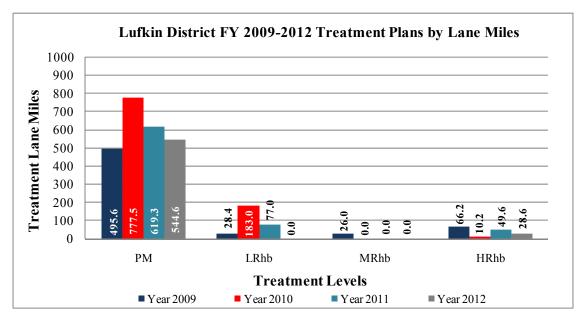


Figure 36. Lufkin District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 66.2 and 10.2, 49.6 and 28.6 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 26.0, 0.0, 0.0 and 0.0 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 28.4 and 183.0, 77.0 and 0.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 495.6, 777.5, 619.3 and 544.6 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 550.0 lane miles or approximately 8.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 960.5 lane miles + 66.2 lane miles of Heavy Rehab treatments from FY 2009 = 1026.7 lane miles or approximately 16.1% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 696.3 lane miles + 10.2 lane miles of Heavy Rehab treatments from FY 2010 = 706.5 lane miles or approximately 11.1% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 544.6 lane miles + 49.6 lane miles of Heavy Rehab treatments from FY 2011 = 594.2 lane miles or approximately 9.3% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 20. Pavement Performance Summary for Lufkin District and Counties

			Base Year		Analysi	s Years	
			2009	2010	2011	2012	2013
т.	Achieved Goal (%)		87.87	85.26	84.33	82.8	81.74
L	IIKIII DISTICT	Achieved Average CS	91	89	87	84	82
	Amadina	Achieved Goal (%)	88.24	84.49	83.56	79.85	81.99
	Angelina	Achieved Average CS	91	89	86	82	82
	Hanston	Achieved Goal (%)	82.34	77.45	74.84	75.51	72.57
+	Houston	Achieved Average CS	87	84	81	80	76
stric	Nacogdoches	Achieved Goal (%)	89.97	85.28	82.99	80.46	79.62
n Di		Achieved Average CS	91	89	85	83	81
Lufkin District	D - U-	Achieved Goal (%)	81.01	84.92	85.51	83.97	83.52
	Polk	Achieved Average CS	88	88	87	85	82
ties i	0.11	Achieved Goal (%)	90.07	85.4	82.26	82.09	83.21
Counties in	Sabine	Achieved Average CS	91	89	86	84	83
	G 4 (*	Achieved Goal (%)	91.69	92.2	91.8	91.21	88.17
	San Augustine	Achieved Average CS	93	93	91	89	85
	Con Indian	Achieved Goal (%)	97.21	95.58	93.63	92.95	92.2
	San Jacinto	Achieved Average CS	97	95	92	90	88

			Base Year		Analysis Years				
			2009	2010	2011	2012	2013		
	G1 11	Achieved Goal (%)	88.19	83.01	82.58	79.92	77.07		
	Shelby	Achieved Average CS	91	87	85	83	81		
	Trinity	Achieved Goal (%)	87.73	86.45	91	90.71	88.01		
		Achieved Average CS	92	90	90	88	85		

Based on the analysis results presented in Table 20, at the end of the 4-year planning horizon the county in best condition was San Jacinto (92.20%) while the worst was Houston (72.57%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

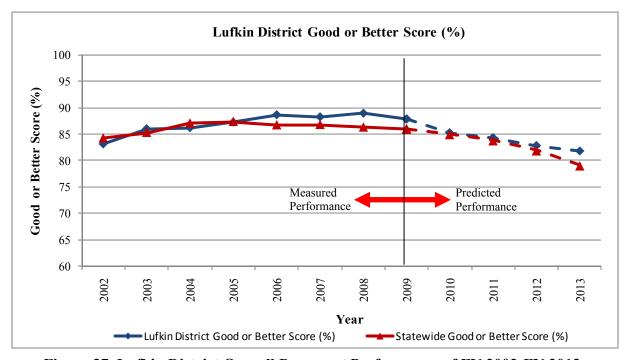


Figure 37. Lufkin District Overall Pavement Performance of FY 2002-FY 2013

Odessa District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 3,388Total Lane miles = 8,079

FY 2009 Plan total treatments = 708.4 lane miles = 8.8% of system lane miles FY 2010 Plan total treatments = 638.4 lane miles = 7.9% of system lane miles FY 2011 Plan total treatments = 605.6 lane miles = 7.5% of system lane miles FY 2012 Plan total treatments = 440.4 lane miles = 5.5% of system lane miles

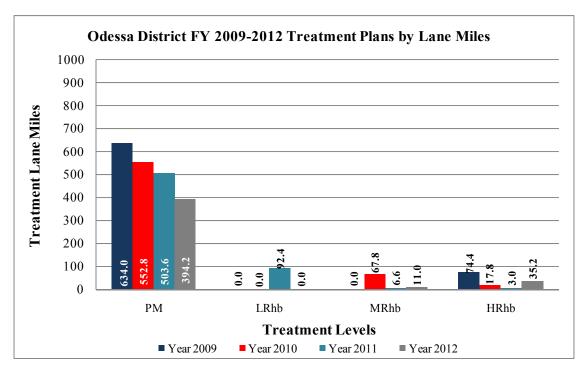


Figure 38. Odessa District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 74.4, 17.8, 3.0 and 35.2 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0 and 67.8, 6.6 and 11.0 lane miles respectively.

- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 0.0, 92.4 and 0.0 lane miles respectively.
- The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 634.0, 552.8, 503.6 and 394.2 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 634.0 lane miles or approximately 7.8% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 620.6 lane miles + 74.4 lane miles of Heavy Rehab treatments from FY 2009 = 695.0 lane miles or approximately 8.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 602.6 lane miles + 17.8 lane miles of Heavy Rehab treatments from FY 2010 = 620.4 lane miles or approximately 7.7% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 405.2 lane miles + 3.0 lane miles of Heavy Rehab treatments from FY 2011 = 408.2 lane miles or approximately 5.1% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 21. Payement Performance Summary for Odessa District and Counties

			Base Year		Analysi	s Years	
			2009	2010	2011	2012	2013
0.	Achieved Goal (%)		93.33	92.75	93.69	92.57	90.38
U	dessa District	Achieved Average CS	95	93	91	89	86
	A d	Achieved Goal (%)	96.17	95.25	96.83	94.88	92.89
	Andrews	Achieved Average CS	96	94	93	90	88
يبا	Crane	Achieved Goal (%)	98.98	100	99.04	98.66	97.57
stric		Achieved Average CS	96	97	94	92	90
Odessa District	Ector	Achieved Goal (%)	89.52	89.86	91.18	90.35	88.08
dess		Achieved Average CS	94	92	90	88	85
O m	T	Achieved Goal (%)	98.81	98.52	97.03	98.22	94.07
ties i	Loving	Achieved Average CS	99	97	95	92	89
Counties in	Mantin	Achieved Goal (%)	85.84	89.88	96.17	95.08	92.3
	Martin	Achieved Average CS	91	91	93	90	86
		Achieved Goal (%)	85.97	82.35	84.13	81.46	76.77
	Midland	Achieved Average CS	90	87	86	83	79

			Base Year		Analysi	s Years	
			2009	2010	2011	2012	2013
	D	Achieved Goal (%)	98.71	98.15	98.35	97.2	95.58
	Pecos	Achieved Average CS	98	96	94	92	89
	D	Achieved Goal (%)	92.34	90.95	90.61	91	90.4
	Reeves	Achieved Average CS	94	92	90	89	87
	Terrell	Achieved Goal (%)	96.51	98.18	99.48	99.22	97.11
		Achieved Average CS	97	96	94	91	88
	TT A	Achieved Goal (%)	96.97	97.9	98.87	98.1	97.08
	Upton	Achieved Average CS	98	96	94	92	89
	***	Achieved Goal (%)	96.63	94.35	94.97	93.92	90.4
	Ward	Achieved Average CS	97	95	92	89	86
		Achieved Goal (%)	92.27	91.06	88.63	84.73	83.39
	Winkler	Achieved Average CS	94	92	90	87	84

Based on the analysis results presented in Table 21, at the end of the 4-year planning horizon the county in best condition was Crane (97.57%) while the worst was Midland (76.77%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

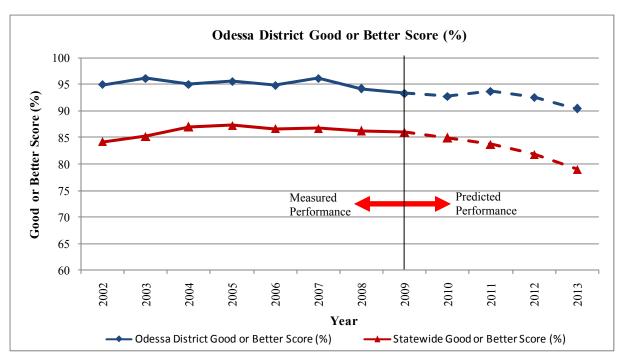


Figure 39. Odessa District Overall Pavement Performance of FY 2002-FY 2013

Paris District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 3,412Total Lane miles = 6,780

FY 2009 Plan total treatments = **684.8 lane miles** = 10.1% of system lane miles FY 2010 Plan total treatments = **560.6 lane miles** = 8.3% of system lane miles FY 2011 Plan total treatments = **716.4 lane miles** = 10.6% of system lane miles FY 2012 Plan total treatments = **479.0 lane miles** = 7.1% of system lane miles

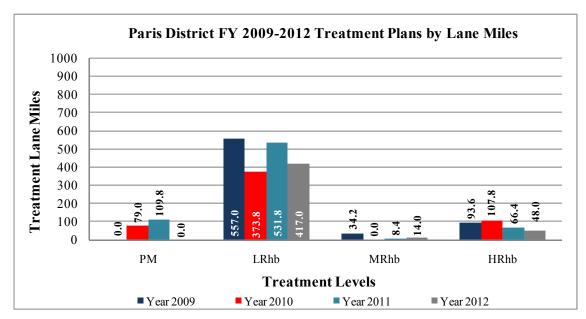


Figure 40. Paris District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 93.6, 107.8, 66.4 and 48.0 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 34.2, 0.0, 8.4 and 14.0 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 557.0 373.8, 531.8 and 417.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 79.0, 109.8 and 0.0 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 591.2 lane miles or approximately 8.7% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 452.8 lane miles + 93.6 lane miles of Heavy Rehab treatments from FY 2009 = 546.4 lane miles or approximately 8.1% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 650.0 lane miles + 107.8 lane miles of Heavy Rehab treatments from FY 2010 = 757.8 lane miles or approximately 11.2% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 431.0 lane miles + 66.4 lane miles of Heavy Rehab treatments from FY 2011 = 497.4 lane miles or approximately 7.3% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 22. Pavement Performance Summary for Paris District and Counties

			Base Year		Analysi	s Years	
			2009	2010	2011	2012	2013
D	Achieved Goal (%)		74.92	72.74	71.94	72.87	71.1
P	aris District	Achieved Average CS	83	82	80	80	78
	Delta	Achieved Goal (%)	75.38	66.03	59.63	58.95	62.15
	Detta	Achieved Average CS	84	79	76	74	75
	F	Achieved Goal (%)	62.59	66.78	65.74	67.98	66.74
	Fannin	Achieved Average CS	80	80	78	78	76
District	Franklin	Achieved Goal (%)	82.99	82.5	84.63	81.65	78.84
Dis		Achieved Average CS	89	89	88	85	83
Paris	C	Achieved Goal (%)	67.46	63.27	62.71	64.78	63.89
in	Grayson	Achieved Average CS	78	76	75	76	74
ıties	II and Line	Achieved Goal (%)	77.67	75.11	73.95	74.34	72.46
Counties	Hopkins	Achieved Average CS	84	82	81	79	77
	II 4	Achieved Goal (%)	78.32	74.25	72.11	70.43	68.17
	Hunt	Achieved Average CS	83	81	79	78	76
	Laman	Achieved Goal (%)	73.13	73.72	77.26	80.68	79.36
	Lamar	Achieved Average CS	83	83	83	84	82

			Base Year	Analysis Years				
			2009	2010	2011	2012	2013	
		Achieved Goal (%)	79.61	75.28	70.71	75.98	70.16	
	Rains	Achieved Average CS	85	82	79	81	77	
	Red River	Achieved Goal (%)	89.96	86.03	84.54	84.68	80.82	
		Achieved Average CS	91	89	87	86	83	

Based on the analysis results presented in Table 22, at the end of the 4-year planning horizon the county in best condition was Red River (80.82%) while the worst was Delta (62.15%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

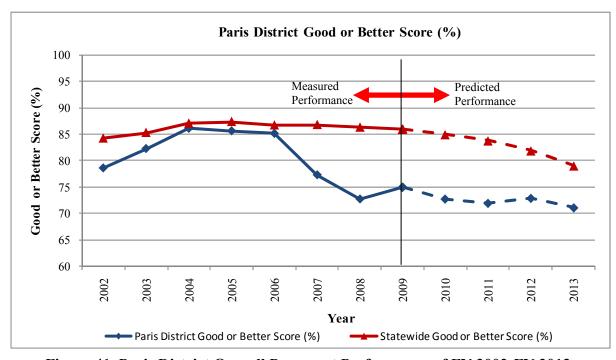


Figure 41. Paris District Overall Pavement Performance of FY 2002-FY 2013

Pharr District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 2,322Total Lane miles = 5,690

FY 2009 Plan total treatments = 675.1 lane miles = 11.9 % of system lane miles FY 2010 Plan total treatments = 731.7 lane miles = 12.9 % of system lane miles FY 2011 Plan total treatments = 540.4 lane miles = 9.5% of system lane miles FY 2012 Plan total treatments = 590.4 lane miles = 10.4% of system lane miles

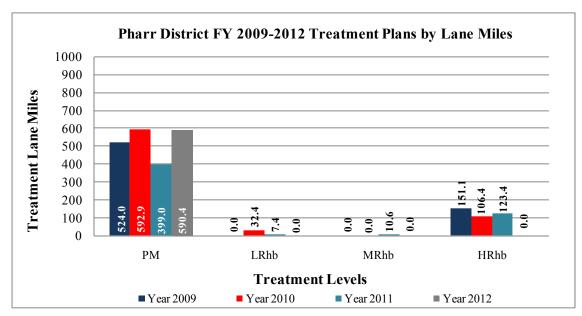


Figure 42. Pharr District Treatment Plans for FY 2010-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 151.1, 106.4, 123.4 and 0.0 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 0.0, 10.6 and 0.0 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0 32.4, 7.4 and 0.0 lane miles respectively.
- The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 524.0, 592.9, 399.0 and 590.4 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 524.0 lane miles or approximately 9.2 % of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 625.3 lane miles + 151.1 lane miles of Heavy Rehab treatments from FY 2009 = 776.4 lane miles or approximately 13.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 417.0 lane miles + 106.4 lane miles of Heavy Rehab treatments from FY 2010 = 523.4 lane miles or approximately 9.2% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 590.4 lane miles + 123.4 lane miles of Heavy Rehab treatments from FY 2011 = 713.8 lane miles or approximately 12.5% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 23. Pavement Performance Summary for Pharr District and Counties

			Base Year	•	Analysi	s Years	
			2009	2010	2011	2012	2013
D	h a Diat a4	Achieved Goal (%)	80.38	80.22	85.01	84.99	83.26
H	Pharr District Achieved Average CS		88	86	86	85	83
	Brooks	Achieved Goal (%)	92.39	91.48	96.8	94.44	94.37
	DIOUKS	Achieved Average CS	94	92	92	90	89
	Сатанан	Achieved Goal (%)	84.91	81.53	83.85	83.04	79.32
	Cameron	Achieved Average CS	89	86	85	84	82
	Hidalgo	Achieved Goal (%)	78.74	80.2	85.03	84.87	83.6
tric		Achieved Average CS	86	86	86	84	83
Dis	Jim Hogg	Achieved Goal (%)	95.93	94.97	94.56	91.8	90.35
harı		Achieved Average CS	97	95	92	89	86
in P	Vanada	Achieved Goal (%)	0	0.42	56.26	79.94	79.94
ties	Kenedy	Achieved Average CS	59	54	75	83	80
Counties in Pharr District	Ctorre	Achieved Goal (%)	78.95	80.38	81.78	82.23	82.51
	Starr	Achieved Average CS	88	87	86	84	83
	Willege	Achieved Goal (%)	92.15	94.71	91.1	85.85	81.52
	Willacy	Achieved Average CS	92	92	88	85	83
	7 4 .	Achieved Goal (%)	75.12	75.12	85.3	88.5	93.11
	Zapata	Achieved Average CS	86	84	87	88	90

Based on the analysis results presented in Table 23, at the end of the 4-year planning horizon the county in best condition was Brooks (94.37%) while the worst was Cameron (79.32%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

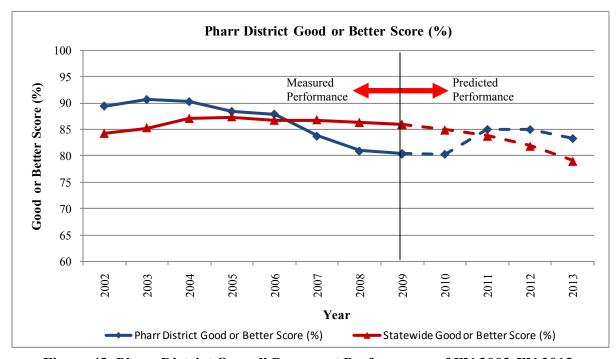


Figure 43. Pharr District Overall Pavement Performance of FY 2002-FY 2013

San Angelo District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 3,253Total Lane miles = 7,174

FY 2009 Plan total treatments = **453.8 lane miles** = 6.3% of system lane miles FY 2010 Plan total treatments = **470.6 lane miles** = 6.6% of system lane miles FY 2011 Plan total treatments = **304.2 lane miles** = 4.2% of system lane miles FY 2012 Plan total treatments = **407.2 lane miles** = 5.7% of system lane miles

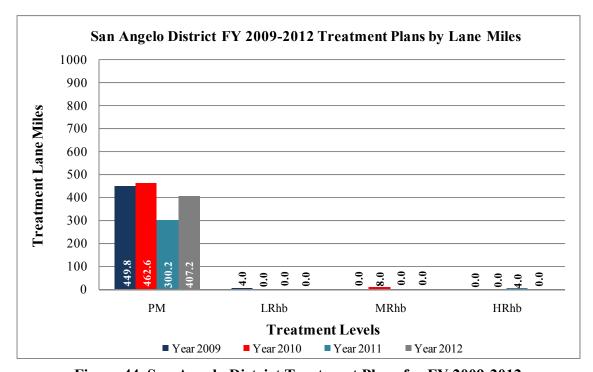


Figure 44. San Angelo District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 0.0, 4.0, and 0.0 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 8.0, 0.0 and 0.0 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 4.0 0.0, 0.0 and 0.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 449.8 and 462.6, 300.2 and 407.2 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 453.8 lane miles or approximately 6.3% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 470.6 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2009 = 470.6 lane miles or approximately 6.6% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 300.2 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2010 = 300.2 lane miles or approximately 4.2% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 407.2 lane miles + 4.0 lane miles of Heavy Rehab treatments from FY 2011 = 411.2 lane miles or approximately 5.7% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 24. Pavement Performance Summary for San Angelo District and Counties

			Base Year		Analysi	s Years	
			2009	2010	2011	2012	2013
Can	Angele Dietriet	Achieved Goal (%)	94.58	94.91	94.43	92.21	89.31
San	Angelo District	Achieved Average CS	95	94	91	88	86
	Coke	Achieved Goal (%)	97.6	95.92	93.58	91.54	89.89
	Coke	Achieved Average CS	97	95	92	89	86
	Canaha	Achieved Goal (%)	87.67	86.99	96.65	92.16	91.34
ict	Concho	Achieved Average CS	93	90	92	89	86
istrict	Crockett	Achieved Goal (%)	92.93	93.58	96.88	94.47	93.34
O		Achieved Average CS	95	93	93	90	88
gelo	Edwards	Achieved Goal (%)	95.86	94.41	92.8	89.82	86.48
Ang		Achieved Average CS	95	92	89	86	84
an 4	Glasscock	Achieved Goal (%)	98.3	97.21	97.21	96.88	95.11
S	Glasscock	Achieved Average CS	98	96	94	90	87
s in	Irion	Achieved Goal (%)	94.42	94	94.84	90.59	84.76
tie	111011	Achieved Average CS	95	93	91	88	85
Counties	1721.1.	Achieved Goal (%)	96.65	96.3	94.66	93.28	91.02
C	Kimble	Achieved Average CS	96	95	92	89	87
	Manand	Achieved Goal (%)	95.35	96.29	93.46	92.14	87.08
	Menard	Achieved Average CS	95	94	91	88	84

		Base Year		Analysi	s Years	
		2009	2010	2011	2012	2013
Doogon	Achieved Goal (%)	98.75	100	98.75	97.44	94.57
Reagan	Achieved Average CS	98	97	94	91	88
ъ 1	Achieved Goal (%)	91.8	89.99	88.9	85.12	78.96
Real	Achieved Average CS	94	92	89	85	81
Runnels	Achieved Goal (%)	95.83	95.11	92.45	90.76	86.04
Runners	Achieved Average CS	95	93	91	88	84
Cablaiahan	Achieved Goal (%)	94.09	97.68	96.3	94.92	90.22
Schleicher	Achieved Average CS	96	95	92	89	87
G. II	Achieved Goal (%)	91.36	89.44	89.44	90.64	88.64
Sterling	Achieved Average CS	94	91	89	88	86
C440	Achieved Goal (%)	95.87	98	97.09	94.11	92.82
Sutton	Achieved Average CS	95	95	92	89	88
Tom Green	Achieved Goal (%)	93.12	95.44	92.64	90.13	87.5
Tom Green	Achieved Average CS	94	93	90	87	84

Based on the analysis results presented in Table 24, at the end of the 4-year planning horizon the county in best condition was Glasscock (95.11%) while the worst was Real (78.96%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

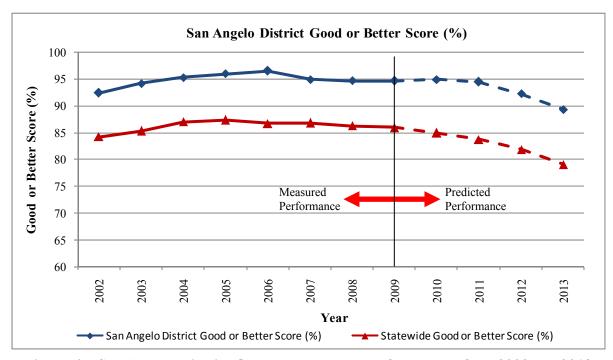


Figure 45. San Angelo District Overall Pavement Performance of FY 2002-FY 2013

San Antonio District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 4,270Total Lane miles = 10,713

FY 2009 Plan total treatments = **1024.4 lane miles** = 9.6% of system lane miles FY 2010 Plan total treatments = **1010.4 lane miles** = 9.4% of system lane miles FY 2011 Plan total treatments = **881.6 lane miles** = 8.2% of system lane miles FY 2012 Plan total treatments = **2061.7 lane miles** = 19.2% of system lane miles

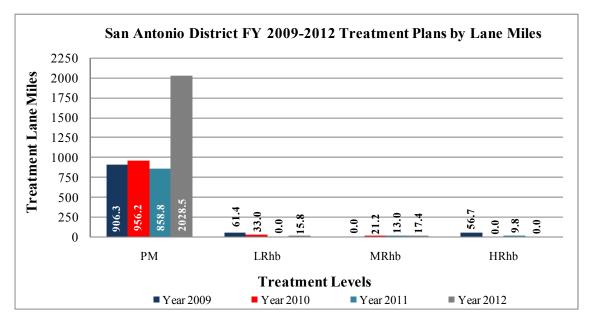


Figure 46. San Antonio District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009 and FY 2010 are 56.7, 0.0, 9.8 and 0.0 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 21.2, 13.0 and 17.4 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 61.4, 33.0, 0.0 and 15.8 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 906.3, 956.2, 858.8 and 2028.5 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 967.7 lane miles or approximately 9.0% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 1010.4 lane miles + 56.7 lane miles of Heavy Rehab treatments from FY 2009 = 1067.1 lane miles or approximately 10.0% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 871.8 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2010 = 871.8 lane miles or approximately 8.1% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 2061.7 lane miles + 9.8 lane miles of Heavy Rehab treatments from FY 2011 = 2071.5 lane miles or approximately 19.3% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 25. Pavement Performance Summary for San Antonio District and Counties

			Base Year		Analysi	is Years	
		_	2009	2010	2011	2012	2013
San	Antonio District	Achieved Goal (%)	83.03	81.43	80.2	77.85	79.34
San A	Antonio District	Achieved Average CS	88	85	83	80	81
	A taganga	Achieved Goal (%)	80.84	83.32	86.38	84	78.82
	Atascosa	Achieved Average CS	87	87	86	83	79
	Dandana	Achieved Goal (%)	95.3	88.3	86.8	89.99	82.7
rict	Bandera	Achieved Average CS	94	90	87	87	83
Dist	Bexar	Achieved Goal (%)	79.86	76.54	74.16	69.16	80.83
oinc		Achieved Average CS	85	82	80	76	83
San Antonio District	C 1	Achieved Goal (%)	88.34	88.49	88.41	83.8	86.17
San	Comal	Achieved Average CS	91	89	87	83	86
	Thui'r	Achieved Goal (%)	91.69	90.4	90.56	87.96	83.64
ntie	Frio	Achieved Average CS	93	91	89	86	82
Counties in	C	Achieved Goal (%)	76.95	75.73	76.13	79.85	77.55
	Guadalupe	Achieved Average CS	84	83	81	81	78
	**	Achieved Goal (%)	82.79	77.8	72.65	68.78	74.67
	Kendall	Achieved Average CS	87	84	80	76	79

		Base Year		Analysi	s Years	
		2009	2010	2011	2012	2013
I/	Achieved Goal (%)	84.99	84.6	81.5	77.52	78.45
Kerr	Achieved Average CS	89	87	84	80	79
MaMallan	Achieved Goal (%)	80.22	80.22	77.38	76.55	72.16
McMullen	Achieved Average CS	85	85	82	81	76
3.4 11	Achieved Goal (%)	89.16	89.88	87.55	84.75	81.3
Medina	Achieved Average CS	92	90	87	84	82
Haalda	Achieved Goal (%)	79.12	81.05	77.77	77.04	70.66
Uvalde	Achieved Average CS	85	85	83	80	77
W/:1aa.a	Achieved Goal (%)	83.78	78.81	80.03	81.51	75.65
Wilson	Achieved Average CS	89	85	84	82	78

Based on the analysis results presented in Table 25, at the end of the 4-year planning horizon the county in best condition was Comal (86.17%) while the worst was Uvalde (70.66%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

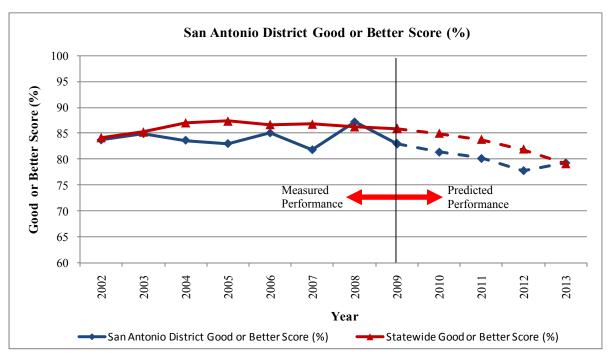


Figure 47. San Antonio District Overall Pavement Performance of FY 2002-FY 2013

Tyler District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 3,704Total Lane miles = 8,526

FY 2009 Plan total treatments = 857.2 lane miles = 10.1% of system lane miles FY 2010 Plan total treatments = 733.2 lane miles = 8.6% of system lane miles FY 2011 Plan total treatments = 814.2 lane miles = 9.5% of system lane miles FY 2012 Plan total treatments = 588.5 lane miles = 6.9% of system lane miles

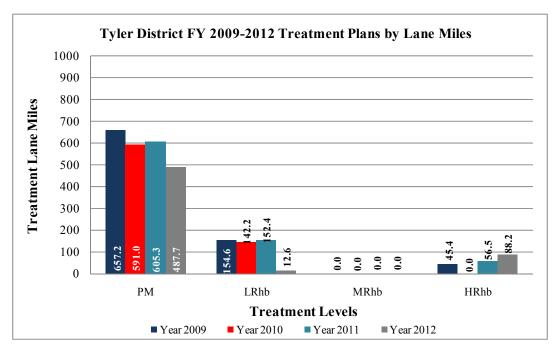


Figure 48. Tyler District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 45.4, 0.0, 56.5 and 88.2 lane miles respectively.
- There were no Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 154.6 142.2, 152.4 and 12.6 lane miles respectively.
- The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 657.2, 591.0, 605.3, and 487.7 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 811.8 lane miles or approximately 9.5% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 733.2 lane miles + 45.4 lane miles of Heavy Rehab treatments from FY 2009 = 778.6 lane miles or approximately 9.1% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 757.7 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2010 = 757.7 lane miles or approximately 8.9% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 500.3 lane miles + 56.5 lane miles of Heavy Rehab treatments from FY 2011 = 556.8 lane miles or approximately 6.5% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 26. Pavement Performance Summary for Tyler District and Counties

		venient i et ioi mane	Base Year	ar Analysis Years				
			2009	2010	2011	2012	2013	
Т	Tyler District Achieved Goal (%) Achieved Average CS		92.28	89.83	86.29	81.96	76.8	
1			92	90	87	84	80	
	Anderson	Achieved Goal (%)	96.15	93.36	89.28	84.81	76.89	
	Anuerson	Achieved Average CS	94	91	87	84	80	
	Chanaltas	Achieved Goal (%)	96.86	95.8	92.37	87.88	81.18	
	Cherokee	Achieved Average CS	95	93	90	86	82	
	~	Achieved Goal (%)	88.6	84.97	83.58	78.64	75.02	
trict	Gregg	Achieved Average CS	91	88	86	83	79	
Dis		Achieved Goal (%)	90.32	87.66	83.15	79.48	73.27	
Counties in Tyler District	Henderson	Achieved Average CS	90	88	85	82	79	
in T		Achieved Goal (%)	88.1	84.7	80.93	76.72	72.29	
ıties	Rusk	Achieved Average CS	90	87	85	81	78	
Cour	G:41.	Achieved Goal (%)	92.89	91.18	87.16	82.75	78.09	
	Smith	Achieved Average CS	93	91	88	84	81	
	N / // N / N /	Achieved Goal (%)	91.37	89.12	85.71	84.18	80.43	
	Van Zandt	Achieved Average CS	92	90	87	85	82	
	Waad	Achieved Goal (%)	93.35	90.58	87.58	79.94	75.75	
	Wood	Achieved Average CS	91	89	87	83	80	

Based on the analysis results presented in Table 26, at the end of the 4-year planning horizon the county in best condition was Cherokee (81.18%) while the worst was Rusk (72.29%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

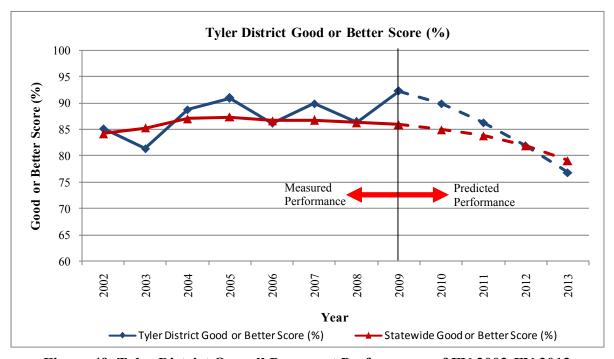


Figure 49. Tyler District Overall Pavement Performance of FY 2002-FY 2013

Waco District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 3,404Total Lane miles = 7,339

FY 2009 Plan total treatments = 457.2 lane miles = 6.2% of system lane miles FY 2010 Plan total treatments = 686.3 lane miles = 9.4% of system lane miles FY 2011 Plan total treatments = 764.8 lane miles = 10.4% of system lane miles FY 2012 Plan total treatments = 115.8 lane miles = 1.6% of system lane miles

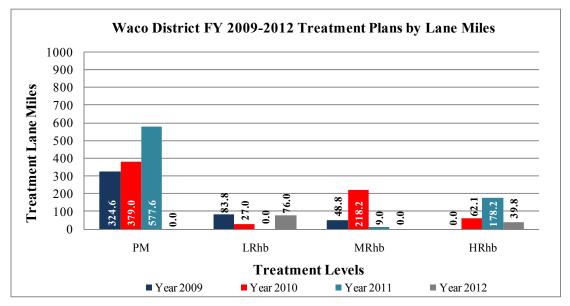


Figure 50. Waco District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009 and FY 2010 are 0.0, 62.1, 178.2 and 39.8 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 48.8, 218.2, 9.0 and 0.0 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 83.8 27.0, 0.0 and 76.0 lane miles respectively.
- The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 324.6, 379.0, 577.6 and 0.0 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 457.2 lane miles or approximately 6.2% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 624.2 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2009 = 624.2 lane miles or approximately 8.5% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 586.6 lane miles + 62.1 lane miles of Heavy Rehab treatments from FY 2010 = 648.7 lane miles or approximately 8.8% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 76.0 lane miles + 178.2 lane miles of Heavy Rehab treatments from FY 2011 = 254.2 lane miles or approximately 3.5% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 27. Pavement Performance Summary for Waco District and Counties

			Base Year		Analysis Years				
			2009	2010	2011	2012	2013		
Waco District Achieved Goal (%) Achieved Average CS		86.72	83.33	81.4	80.05	76.15			
		Achieved Average CS	89	87	85	83	80		
	Bell	Achieved Goal (%)	81.44	78.44	74.68	74.92	70.72		
	Dell	Achieved Average CS	87	85	82	81	78		
	Daggue	Achieved Goal (%)	97.04	92.79	91.67	93.16	89.81		
	Bosque	Achieved Average CS	95	92	90	90	87		
	G 11	Achieved Goal (%)	95.01	90.33	88.2	86.87	82.33		
trict	Coryell	Achieved Average CS	93	91	88	86	83		
Dis	F. II	Achieved Goal (%)	95.56	92.79	91.68	89.96	85.95		
Counties in Waco District	Falls	Achieved Average CS	95	93	91	88	84		
in V	**	Achieved Goal (%)	92.88	86.47	83.85	83.81	81.74		
ıties	Hamilton	Achieved Average CS	92	89	83.85 87	86	84		
onr	77211	Achieved Goal (%)	78.49	78.49 76.39 75.	75.6	73.97	69.45		
	Hill	Achieved Average CS	84	82	81	79	75		
	I important	Achieved Goal (%)	87.86	84.68	83.02	80.11	75.59		
	Limestone	Achieved Average CS	91	88	87	84	80		
	Malanna	Achieved Goal (%)	81.77	78.83	77.19	73.81	70.29		
	McLennan	Achieved Average CS	86	84	82	79	75		

Based on the analysis results presented in Table 27, at the end of the 4-year planning horizon the county in best condition was Bosque (89.81%) while the worst was Hill (69.45%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

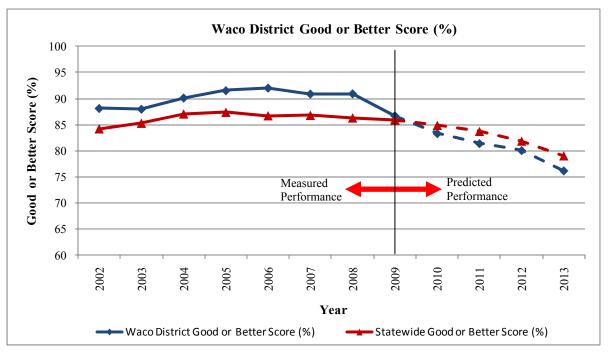


Figure 51. Waco District Overall Pavement Performance of FY 2002-FY 2013

Wichita Falls District

I. Summary of FY 2009–FY 2012 Treatments

Total Center line miles = 2,857Total Lane miles = 6,121

FY 2009 Plan total treatments = **580.4 lane miles** = 9.5% of system lane miles FY 2010 Plan total treatments = **357.2 lane miles** = 5.8% of system lane miles FY 2011 Plan total treatments = **505.1 lane miles** = 8.3% of system lane miles FY 2012 Plan total treatments = **1356.3 lane miles** = 22.2% of system lane miles

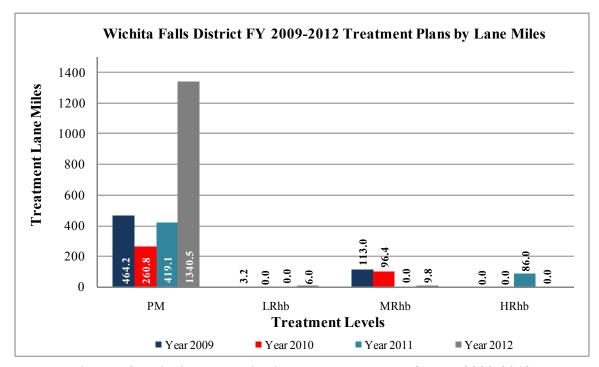


Figure 52. Wichita Falls District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 0.0, 0.0, 86.0 and 0.0 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 113.0, 96.4, 0.0 and 9.8 lane miles respectively.
- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 3.2 0.0, 0.0 and 6.0 lane miles respectively.

• The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011 and FY 2012 are 464.2, 260.8, 419.1 and 1340.5 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 580.4 lane miles or approximately 9.5% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 357.2 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2009 = 357.2 lane miles or approximately 5.8% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 419.1 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2010 = 419.1 lane miles or approximately 6.8% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 1356.3 lane miles + 86.0 lane miles of Heavy Rehab treatments from FY 2011 = 1442.3 lane miles or approximately 23.6% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 28. Pavement Performance Summary for Wichita Falls District and Counties

			Base Year		Analysis Years				
		_	2009	2010	2011	2012	2013		
V	Wichita Falls Achieved Goal (%)		92.98	91.97	89.98	88.12	88.81		
	District	Achieved Average CS	93	91	89	86	86		
	Archer	Achieved Goal (%)	95.18	95.62	94.4	92.7	92.07		
	Archer	Achieved Average CS	96	94	91	88	87		
	Davilan	Achieved Goal (%)	96.99	95.89	94.31	94.22	90.39		
trict	Baylor	Achieved Average CS	97	94	92	90	86		
Dis	CI.	Achieved Goal (%)	97.14	96.8	94.89	93.16	92.79		
Falls	Clay	Achieved Average CS	96	94	91	89	87		
ita]	G 1	Achieved Goal (%)	91.19	89.34	86.1	84.03	86.83		
Counties in Wichita Falls District	Cooke	Achieved Average CS	91	90	87	84	86		
in V	Achieved Goal	Achieved Goal (%)	90.64	90.47	86.46	83	83.88		
nties	Montague	Achieved Average CS	92	90	87	84	84		
Cou	Th	Achieved Goal (%)	96.44	94.54	93.77	92.57	87.48		
	Throckmorton	Achieved Average CS	95	93	91	89	85		
	XX/* - L * 4 -	Achieved Goal (%)	86.28	84.78	82.43	80.03	86.35		
	Wichita	Achieved Average CS	88	87	84	81	86		

		Base Year	Analysis Years				
			2009	2010	2011	2012	2013
	******	Achieved Goal (%)	94.32	93.63	93.49	92.12	94.1
	Wilbarger	Achieved Average CS	95	93	91	89	89
	Young	Achieved Goal (%)	96.24	94.29	93.28	92.26	89.72
		Achieved Average CS	95	92	90	89	87

Based on the analysis results presented in Table 28, at the end of the 4-year planning horizon the county in best condition was Wilbarger (94.10%) while the worst was Montague (83.88%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

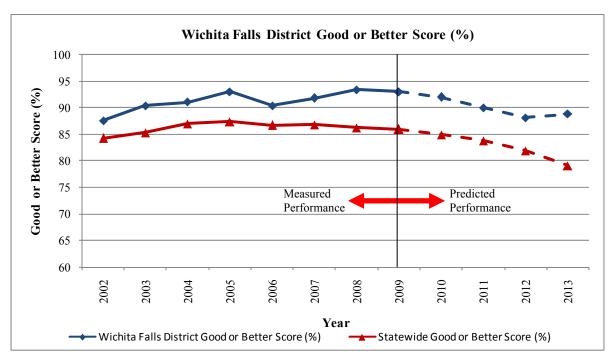


Figure 53. Wichita Falls District Overall Pavement Performance of FY 2002-FY 2013

Yoakum District

I. Summary of FY 2009-FY 2012 Treatments

Total Center line miles = 3,836Total Lane miles = 7,843

FY 2009 Plan total treatments = **686.3 lane miles** = 8.8% of system lane miles FY 2010 Plan total treatments = **739.0 lane miles** = 9.4% of system lane miles FY 2011 Plan total treatments = **569.4 lane miles** = 7.3% of system lane miles FY 2012 Plan total treatments = **569.2 lane miles** = 7.3% of system lane miles

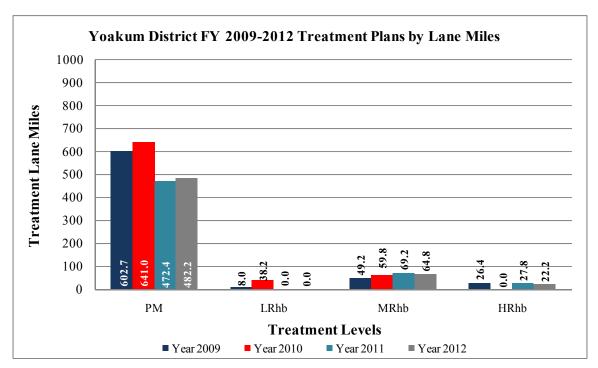


Figure 54. Yoakum District Treatment Plans for FY 2009-2012

- Heavy Rehabilitation pertains to both existing sections and Added Capacity. The HRhb treatments planned for FY 2009, FY 2010, FY 2011, and FY 2012 are 26.4, 0.0, 27.8, and 22.2 lane miles respectively.
- The Medium Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011, and FY 2012 are 49.2, 59.8, 69.2, and 64.8 lane miles respectively.

- The Light Rehabilitation treatments planned for FY 2009, FY 2010, FY 2011, and FY 2012 are 8.0, 38.2, 0.0, and 0.0 lane miles respectively.
- The Preventive Maintenance planned for FY 2009, FY 2010, FY 2011, and FY 2012 are 602.7, 641.0, 472.4, and 482.2 lane miles respectively.

The total number of Treatment lane miles that will improve Condition Score in FY 2010 = 659.9 lane miles or approximately 8.4% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2011 = 739.0 lane miles + 26.4 lane miles of Heavy Rehab treatments from FY 2009 = 765.4 lane miles or approximately 9.8% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2012 = 541.6 lane miles + 0.0 lane miles of Heavy Rehab treatments from FY 2010 = 541.6 lane miles or approximately 6.9% of the total system.

The total number of Treatment lane miles that will improve Condition Score in FY 2013 = 547.0 lane miles + 27.8 lane miles of Heavy Rehab treatments from FY 2011 = 574.8 lane miles or approximately 7.3% of the total system.

II. Summary of FY 2010–FY 2013 Percentage of "Good" or Better Pavements and Condition Score

Table 29. Pavement Performance Summary for Yoakum District and Counties

Į.		Base Year	Analysis Years				
		2009	2010	2011	2012	2013	
Yoakum District Achieved Goal (%) Achieved Average CS		86.08	84.08	82.93	80.23	76.5	
		Achieved Average CS	90	87	85	83	80
	Austin	Achieved Goal (%)	85.34	88.35	88.9	84.94	84.71
	Austin	Achieved Average CS	89	89	87	84	85
ct	G 11	Achieved Goal (%)	86.08	81.92	82.16	84.53	79.66
istri	Calhoun	Achieved Average CS	90	87	86	86	82
m D	Colorado	Achieved Goal (%)	90.79	87.5	86.99	84.83	79.47
aku		Achieved Average CS	93	90	88	85	82
in Yoakum District	D 111	Achieved Goal (%)	87.42	84.83	84.59	81.42	77.56
ies i	Dewitt	Achieved Average CS	91	89	88 84.59 87	84	80
Counties	Eassa44a	Achieved Goal (%)	83.07	82.62	81.18	78.07	72.93
ŭ	Fayette	Achieved Average CS	88	87	84	81	77
	Constant	Achieved Goal (%)	83.21	81.19	79	74.98	71.81
	Gonzales	Achieved Average CS	88	86	84	80	77

		Base Year		Analysis Years		
		2009	2010	2011	2012	2013
Tarlanan	Achieved Goal (%)	85.72	85.07	81.26	80.86	76.54
Jackson	Achieved Average CS	90	88	85	84	81
T	Achieved Goal (%)	79.93	76.39	76.57	76.7	73.11
Lavaca	Achieved Average CS	87	84	82	81	77
Madamanda	Achieved Goal (%)	90.34	92.09	92.27	88.73	85.96
Matagorda	Achieved Average CS	92	91	90	87	85
\$7° -4	Achieved Goal (%)	88.27	82.9	79.32	75.12	70.25
Victoria	Achieved Average CS	89	86	84	81	78
XXII	Achieved Goal (%)	87.01	82.74	81.97	77.84	75.35
Wharton	Achieved Average CS	90	87	85	81	79

Based on the analysis results presented in Table 29, at the end of the 4-year planning horizon the county in best condition was Matagorda (85.96%) while the worst was Victoria (70.25%).

III. Summary of FY 2002-FY 2013 Percentage of "Good" or Better Pavements

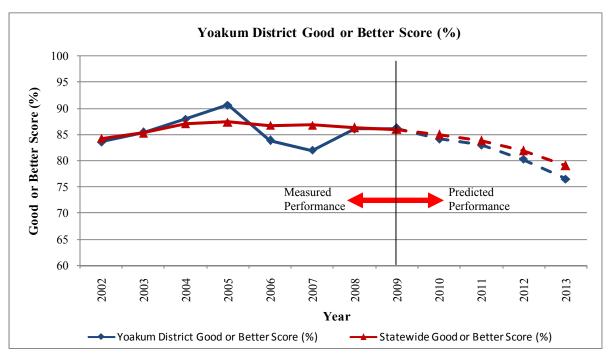


Figure 55. Yoakum District Overall Pavement Performance of FY 2002-FY 2013