



Louisiana DOTD



Experience with PMS
Implementation



Pavement Condition Data Collected

On Asphalt :

- Fatigue Cracking
- Random Cracking
- Patching
- Potholes
- Rutting
- Roughness (IRI)

On Concrete:

- Transverse Cracks
- Longitudinal Cracks
- Patching
- Blowup
- Punchout
- Roughness (IRI)
- Faulting














Optional Items Collected



- **Vertical Clearance Measurements**
- **Geometric Information (Cross Slope, Horizontal, and Vertical Curves)**
- **Guard Rails**
- **Right of Way Images for Ramps**
- **Signs**
- **Ground Penetrating Radar**



Pavement Groupings

Pavement Type	Interstate	Arterial	Collector	Other
Asphalt				
Composite				
Jointed				
CRCP				



The Management Model

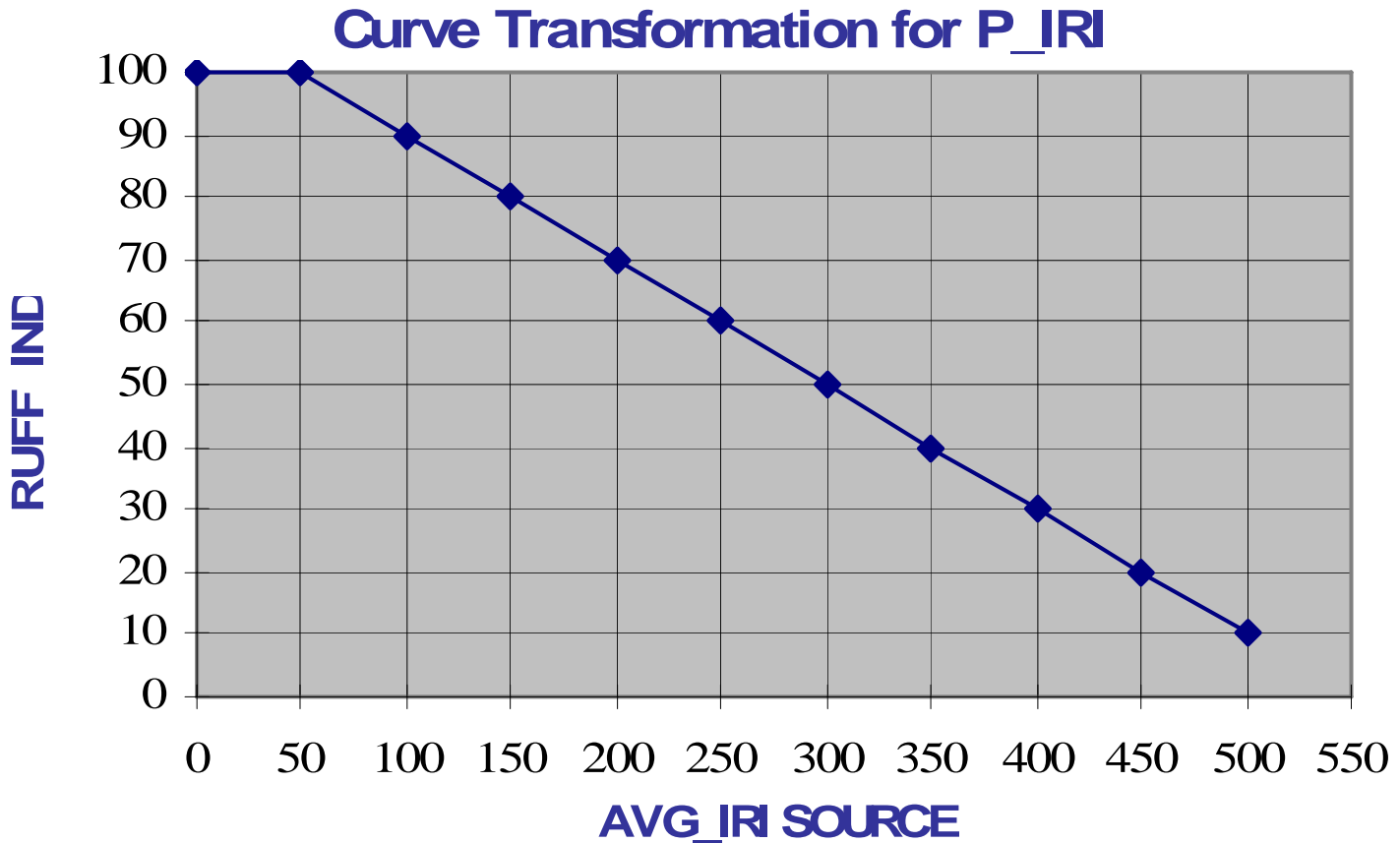
1. Inventory and Condition Data

2. Performance Indexes

-Scale: 100-0 (i.e., 100-Deduct Points)



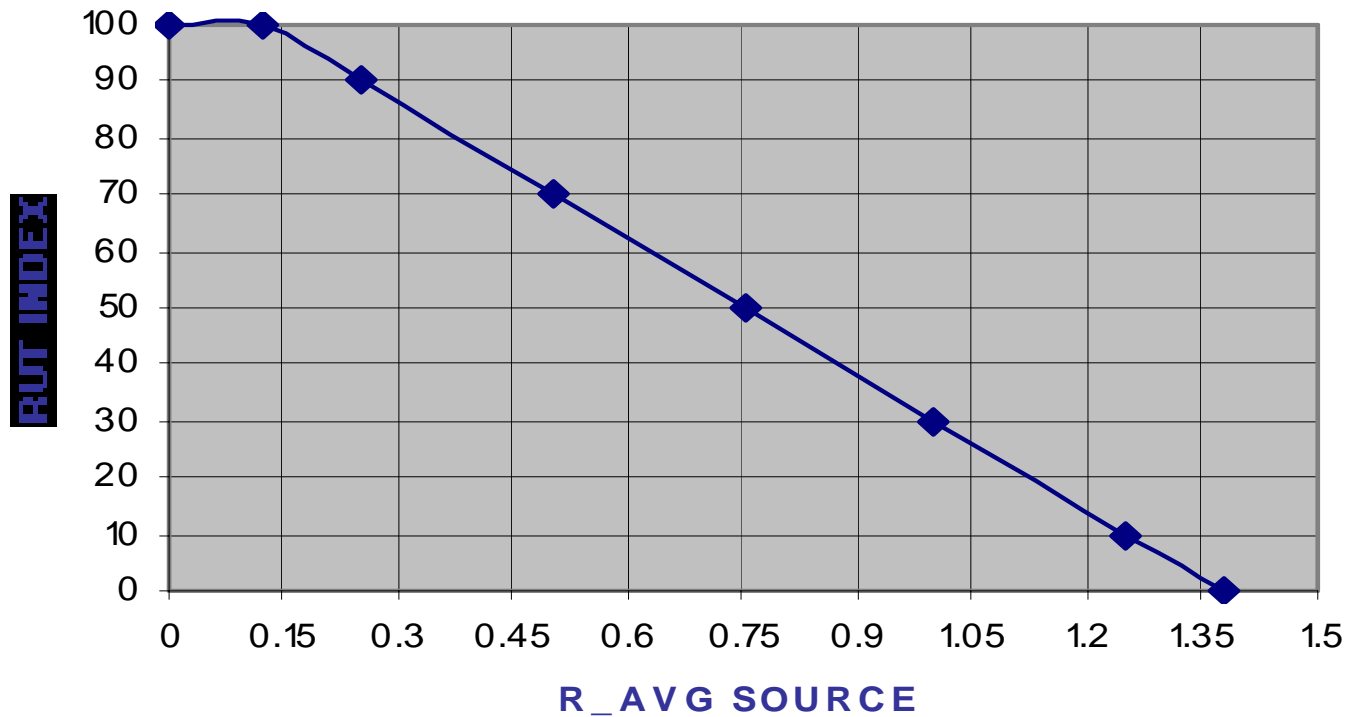
Pavement Management Deduct Roughness





Pavement Management Deduct Rutting

Curve Transformation for P_RUT





Indexes for Asphalt and Composite Pavement

Index	Predicted	Trigger
ALCR	Yes	Yes
RNDM	Yes	Yes
PTCH	Yes	Yes
RUFF	Yes	Yes
RUT	Yes	Yes

Random: Longitudinal, Transverse, and Block
Patching: Patching and Potholes



Indexes for Jointed and CRC Pavement

Index	Predicted	Trigger
TRAN	Yes	Yes
LONG	Yes	Yes
PTCH	Yes	Yes
RUFF	Yes	Yes
FLTG	No	Yes



Old vs. New Management Model

Composite Index

Old	New
<p><u>Flexible Pavement:</u></p> <p>CMP = mean - 1.25 * standard deviation of (ALCR, RNDM, RUFF,RUT,PTCH)</p> <p><u>Rigid Pavement:</u></p> <p>CMP = mean - 1.25 * standard deviation of (LONG, TRAN, RUFF,PTCH)</p>	<p><u>Flexible Pavement:</u></p> <p>CMP = mean - 0.85 * standard deviation of (ALCR, RNDM, RUFF,RUT,PTCH)</p> <p><u>Rigid Pavement:</u></p> <p>CMP = mean - .085 * standard deviation of (LONG, TRAN, RUFF,PTCH)</p>



PMS Old Deduct System

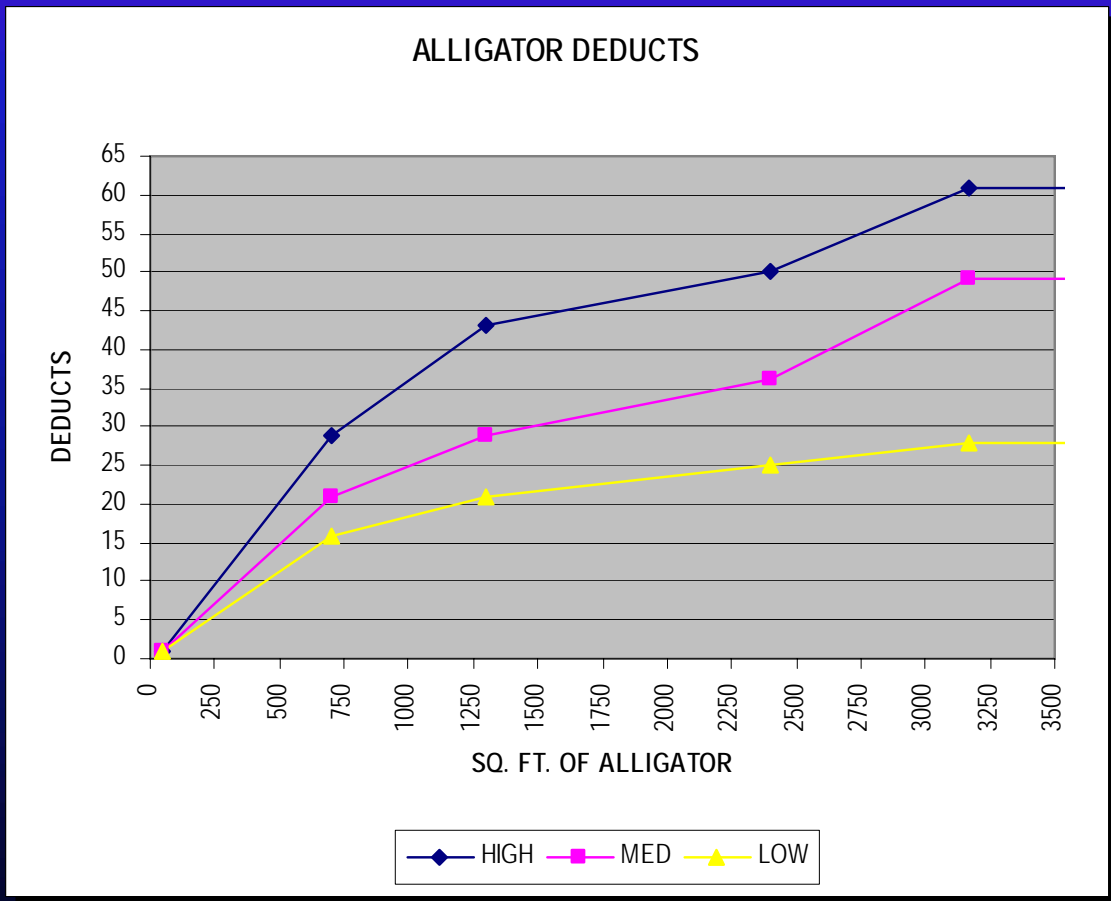
ALLIGATOR CRACKING DEDUCTS

SEVERITY	EXTENT (SQ.FT.)				
	0-51	51-701	701-1301	1301-2401	2401-9999.99
LOW	0	16	21	25	28
MED	0	21	29	36	49
HIGH	0	29	43	50	61



PMS New Deduct System

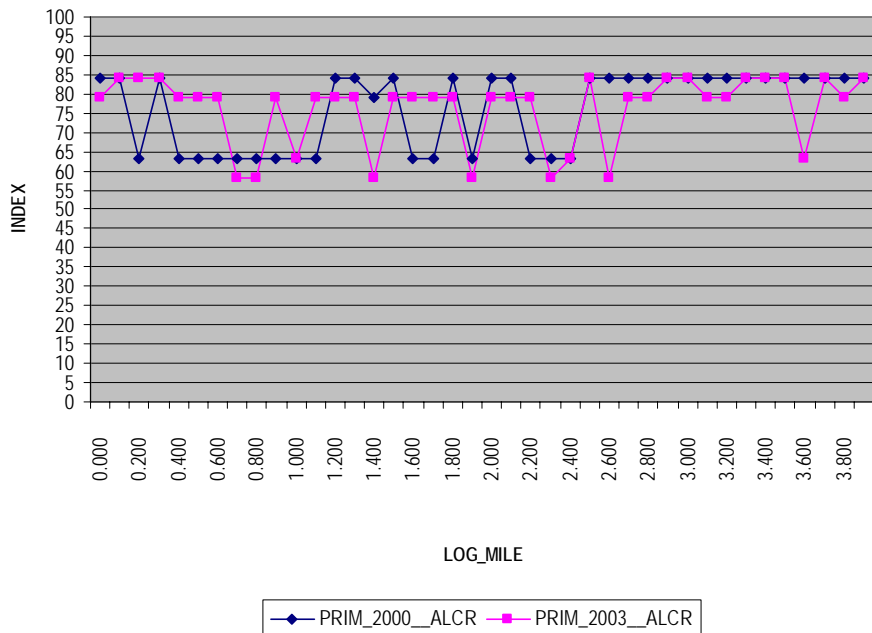
ALLIGATOR CRACKING DEDUCTS			
LOW	MED	HIGH	EXTENT (SQ.FT.)
0	0	0	<51
1	1	1	51
16	21	29	701
21	29	43	1301
25	36	50	2401
28	49	61	3168
28	49	61	9999.99



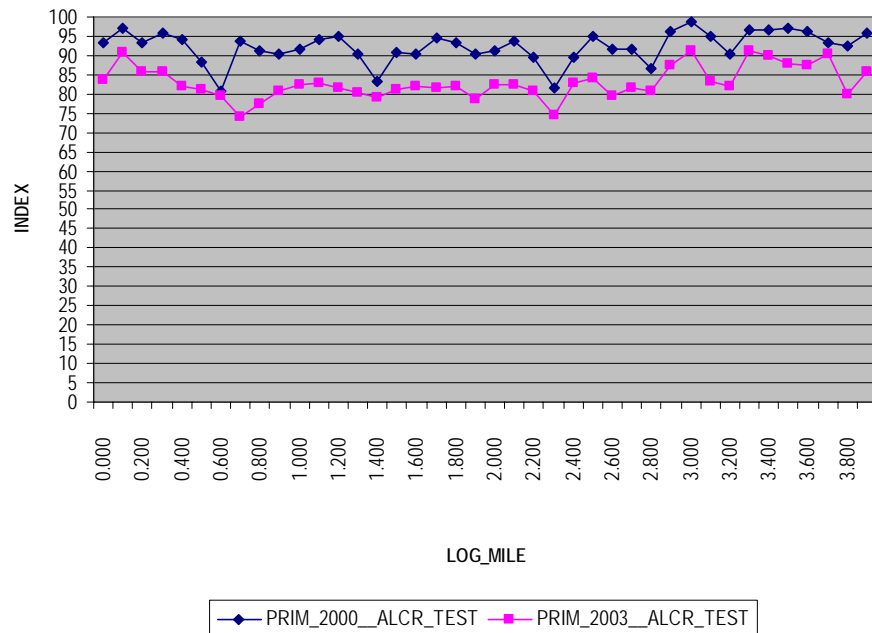


PMS Deducts – Old vs. New

OLD ALLIGATOR INDEX
Control Section 020-01



NEW ALLIGATOR INDEX
Control Section 020-01



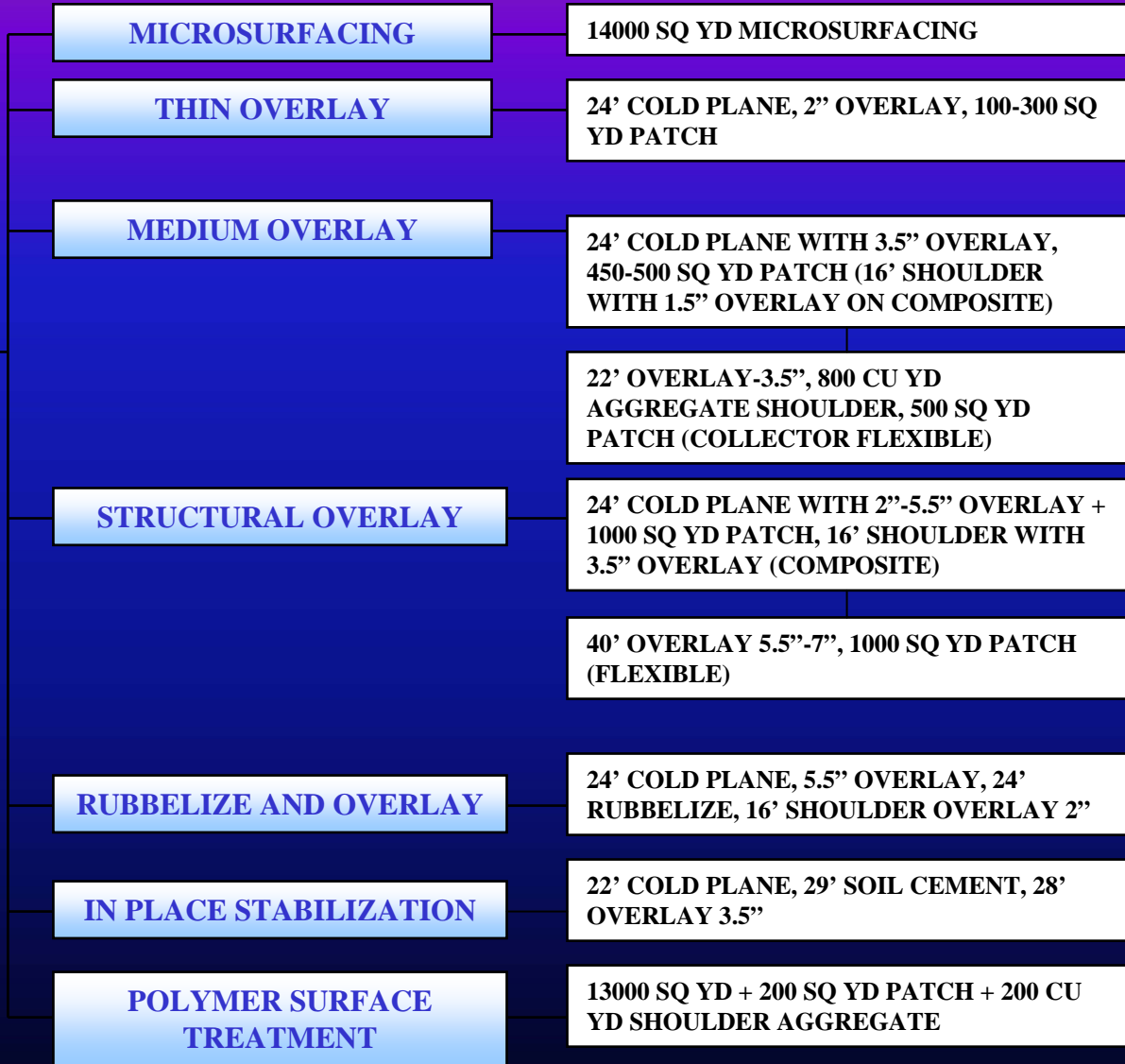


Pavement Management Treatments





**FLEXIBLE
&
COMPOSITE**





**JOINTED
CONCRETE
PAVEMENT**

SEAL JOINTS & CRACKS

12000' CLEANING & RESEALING JOINTS & CRACKS

MINOR REHAB

(GRIND, SLAB JACK) + 12000' CLEAN & RESEAL CRACKS & JOINTS + 400 SQ YD PCC PATCH

MAJOR REHAB

12000' CLEAN & RESEAL JOINTS & CRACKS + 2000 PCC PATCH

**CONCRETE
RECONSTRUCTION**

24' PCC PAVEMENT + 16' PCC PAVEMENT + 40' REMOVAL PAVEMENT + 40' CLASS II BASE

RUBBELIZE & OVERLAY

40' RUBBELIZE + 24' OVERLAY 5.5"-7" + 16' SHOULDER OVERLAY 5.5"-7"

**CONTINUOUSLY
REINFORCED
CONCRETE**

MINOR REHAB

GRIND, SLAB JACK, 1200' CLEAN & RESEAL CRACKS & JOINTS, 200 SQ YD PCC PATCH, 40' OVERLAY 4"

MAJOR REHAB

400 SQ YD PCC PATCH, 24' BONDED CONCRETE OVERLAY, 16' PCC SHOULDER 9"

RECONSTRUCTION

24' PCC PAV + 16' PCC PAV + 40' REMOVAL PAV + 40' CLASS II BASE



Treatment Triggers

Example Treatment Triggers - Flexible Collectors

MICRO SURFACING	Yellow
POLYMER SURFACE TREATMENT	Green
MEDIUM OVERLAY	Cyan
IN-PLACE STABILIZATION	Red

	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
ALLIGATOR	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Cyan	Cyan	Cyan	Cyan	Green	Green	White	White	
RANDOM	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Green	Green	Green	White	White
PATCH	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Cyan	Cyan	Cyan	White	White	White	White	White	
RUT	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Yellow	Yellow	Yellow	White	White	White	White	White	
ROUGHNESS	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Cyan	Cyan	Cyan	Cyan	White	White	White	White	White	



Treatment Resets

RESET ALL INDEXES TO 100 AND AGE 0 FOR:

THIN OVERLAY

RUBBLIZE AND OVERLAY

RUBBLIZE & OVERLAY

MEDIUM OVERLAY

IN PLACE STABILIZATION

RECONSTRUCTION

STRUCTURAL OVERLAY

CONCRETE
RECONSTRUCTION

RESET ROUGHNESS TO 92 AND ALL OTHER INDEXES TO 100 FOR:

MAJOR REHAB

MINOR REHAB

RESET CRACKING AND PATCHING INDEXES TO 100 FOR:

SEAL JOINTS & CRACKS

ADD 5 TO RUTTING INDEX AND 10 TO ROUGHNESS INDEX FOR:

POLYMER SURFACE
TREATMENT

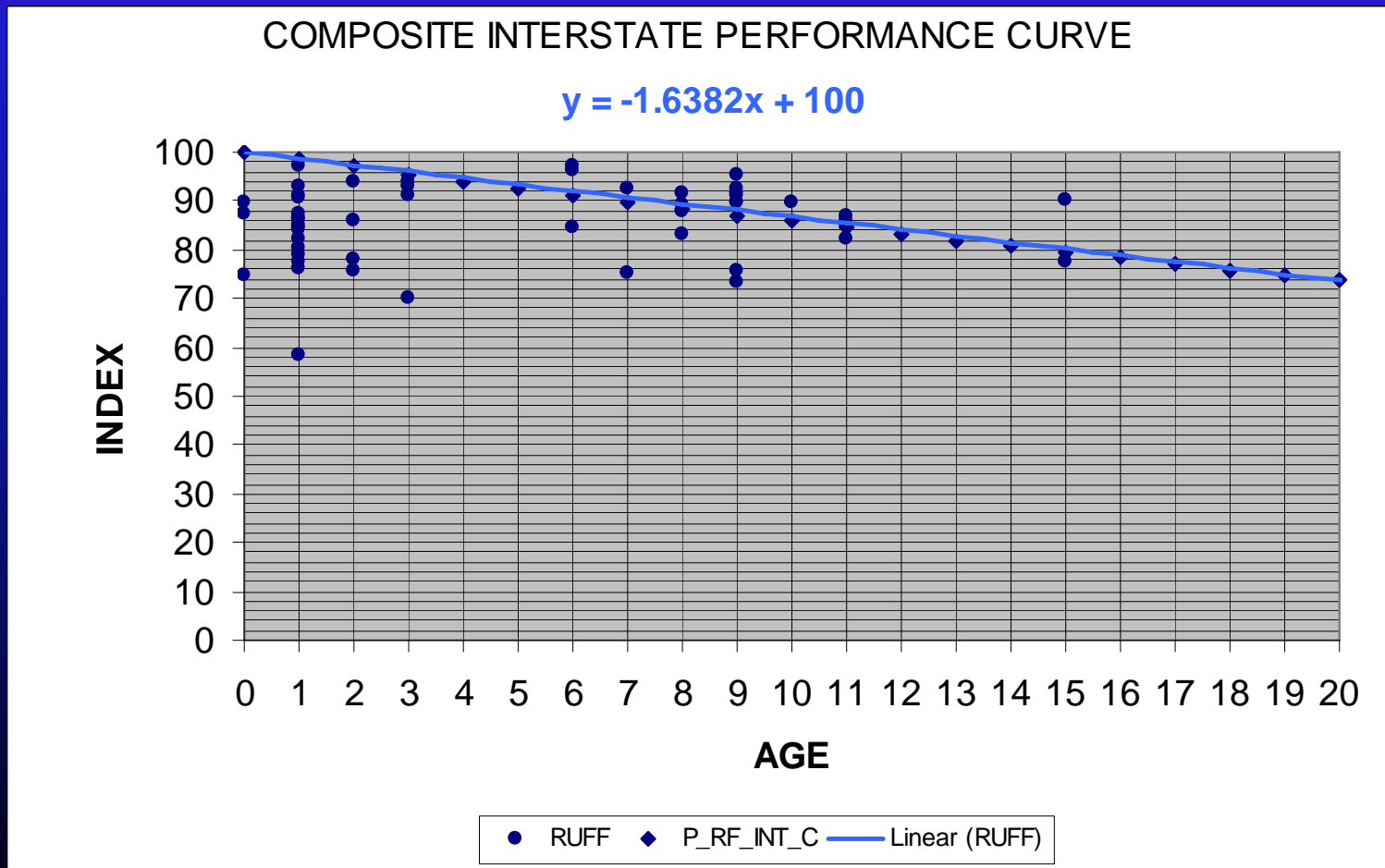
RESET ALL INDEXES TO 100 FOR:

MICROSURFACING



Performance Curves

Example of Old Composite Interstate Roughness Curve

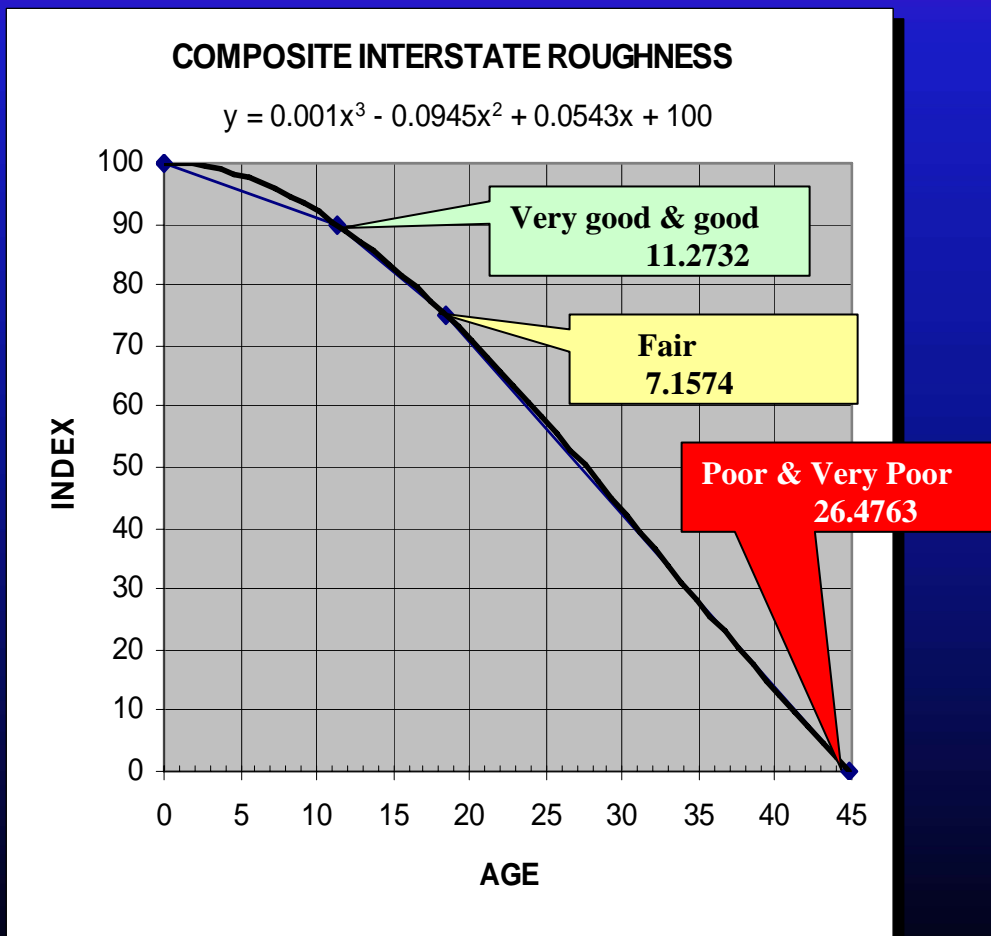




Performance Curves

Example of New Composite Interstate Roughness Curve

AGE	INDEX	YEARS
0.0000	100	0.0000
11.2732	90	11.2732
18.4306	75	7.1574
44.9068	0	26.4763





Highway Classification Based on Roughness Index

CONDITION	ROUGHNESS INDEX		
	INTERSTATES	ARTERIAL	COLLECTORS
Very Good	96 – 100	95 – 100	95 – 100
Good	90 – 95	88 – 94	85 – 94
Fair	76 – 89	70 – 87	65 – 84
Poor	65 – 75	60 – 69	50 – 64
Very Poor	0 – 64	0 – 59	0 – 49

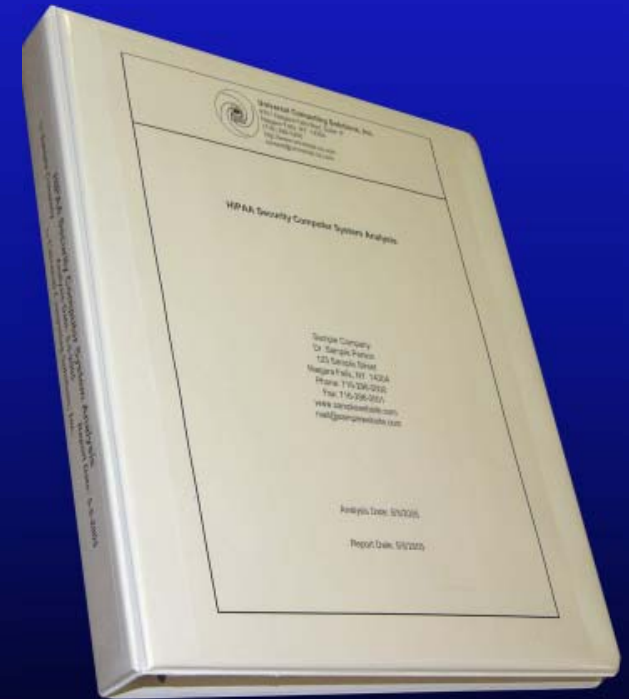


PMS Standard Reports

- **District Reports**
 - a. Current Conditions and Treatments Report
 - b. Priority Report
 - c. Resets Based on Lettings Report
 - d. District Maps

- **Yearly Reports**
 - a. Comparison Report
 - b. Statewide Summary Report
 - c. Budget Analysis
 - d. District Smoothness Award Report

- **Quarterly Reports**





District Reports





Current Conditions and Treatments Report

CURRENT CONDITION/TREATMENTS NO RESETS DISTRICT 61 FOR MARCH 2006

CONTROL	DIRECTION	BEG_LOG	LENGTH	RESET/SHS	RUFF	RUT	ALCR	LONG	TRAN	RNDM	PTCH	PERFINDEX	RSL
005-02	1	0.00	0.69		N/A %	N/A %	N/A %	N/A %	N/A %	N/A %	N/A %	N/A %	-1
LAD182	BRIDGE			SHS	-1	-1							
005-02	1	0.69	2.90		73 %	65 %	97 %	N/A %	N/A %	90 %	99 %	73 %	12
LAD182	ASPHALT	MEDIUM OVERLAY		SHS	185	0.56							
007-05	1	0.00	1.83		90 %	91 %	96 %	N/A %	N/A %	96 %	100 %	92 %	19
US0061	COMPOSITE			SHS	96	0.23							
007-05	1	1.83	0.54		94 %	94 %	96 %	N/A %	N/A %	96 %	100 %	94 %	22
US0061	COMPOSITE			SHS	78	0.2							
007-05	1	2.37	2.51		87 %	91 %	93 %	N/A %	N/A %	96 %	100 %	90 %	17
US0061	COMPOSITE			SHS	111	0.23							
007-05	1	4.88	3.95		94 %	94 %	92 %	N/A %	N/A %	96 %	100 %	93 %	22
US0061	COMPOSITE			SHS	79	0.2							
007-05	2	0.00	1.83		94 %	90 %	99 %	N/A %	N/A %	96 %	100 %	93 %	22
US0061	COMPOSITE			SHS	77	0.24							
007-05	2	1.83	0.54		95 %	94 %	100 %	N/A %	N/A %	99 %	100 %	95 %	22
US0061	COMPOSITE			SHS	75	0.2							
007-05	2	2.37	2.51		94 %	90 %	100 %	N/A %	N/A %	99 %	100 %	93 %	22
US0061	COMPOSITE			SHS	77	0.25							
007-05	2	4.88	3.95		97 %	90 %	100 %	N/A %	N/A %	99 %	100 %	94 %	24
US0061	COMPOSITE			SHS	65	0.25							
007-05	1	0.00	5.45		97 %	94 %	96 %	N/A %	N/A %	97 %	100 %	95 %	24
US0061	COMPOSITE			SHS	64	0.19							
007-05	2	0.00	5.45		99 %	91 %	100 %	N/A %	N/A %	96 %	100 %	95 %	26
US0061	COMPOSITE			SHS	55	0.23							
007-07	1	0.00	4.01		88 %	94 %	79 %	N/A %	N/A %	96 %	100 %	85 %	18
US0061	COMPOSITE	MEDIUM OVERLAY		SHS	107	0.2							
007-07	1	4.01	1.12		88 %	90 %	87 %	N/A %	N/A %	97 %	100 %	88 %	18
US0061	COMPOSITE	MEDIUM OVERLAY		SHS	106	0.24							
007-07	1	5.13	0.39		88 %	94 %	82 %	N/A %	N/A %	97 %	100 %	86 %	18
US0061	COMPOSITE	MEDIUM OVERLAY		SHS	107	0.2							



Recommendation by Larry Galehouse – Director, National Center for Pavement Preservation

Group Remaining Service Life into 6 groups:

- 0-2 years
- 3-5 years
- 6-8 years
- 9-11 years
- 12-15 years
- 16-20 years



Priority Report

DISTRICT 61 PRIORITY LIST

ROUTE	CONTROL SECTION	DIRECTION	BEGIN LOG MILE	SECTION LENGTH	TREATMENT YEAR	RECOMMENDED TREATMENT	COMMENTS
US0041	007-07	1	5.13	0.39	2005	MEDIUM OVERLAY	
US0041	007-07	2	5.13	0.39	2005	THIN OVERLAY	
US0041	007-07	2	5.32	0.33	2005	THIN OVERLAY	
US0041	007-90	1	5.84	0.54	2005	MINOR REHABILITATION	
US0041	007-90	1	9.3	0.42	2005	MINOR REHABILITATION	
US0041	007-90	1	10.48	0.14	2005	THIN OVERLAY	
US0041	007-90	2	5.84	0.54	2005	MAJOR REHABILITATION	
US0041	007-90	2	9.3	0.42	2005	MAJOR REHABILITATION	
US0041	007-90	2	9.72	0.39	2005	MEDIUM OVERLAY	
US0041	007-90	2	10.31	0.37	2005	MEDIUM OVERLAY	
US0041	007-90	2	10.48	0.14	2005	THIN OVERLAY	
US0190	008-01	1	0	0.10	2005	MEDIUM OVERLAY	
US0190	008-03	2	10.89	0.40	2005	MINOR REHABILITATION	
LA0987-4	013-01	1	5.34	0.42	2005	STRUCTURAL OVERLAY	
US0041-X	013-04	1	0	0.18	2005	MAJOR REHABILITATION	
US0041-X	013-04	1	0.57	0.14	2005	THIN OVERLAY	
US0041-X	019-01	2	3.13	0.12	2005	THIN OVERLAY	
US0041	019-02	1	1.35	0.83	2005	MAJOR REHABILITATION	
US0041	019-04	1	6.09	0.34	2005	MEDIUM OVERLAY	
US0041	019-04	2	6.09	0.34	2005	MEDIUM OVERLAY	
US0041	019-05	1	0	0.24	2005	MEDIUM OVERLAY	
US0041	019-05	2	0	0.24	2005	MEDIUM OVERLAY	
LA0944	019-30	1	5.17	0.32	2005	MAJOR REHABILITATION	
LA0944	019-30	1	8.41	1.00	2005	MEDIUM OVERLAY	
LA0001	050-04	1	13	0.44	2005	MAJOR REHABILITATION	
LA0001	050-04	1	13.44	0.31	2005	MINOR REHABILITATION	
LA0001	050-04	1	14.25	0.20	2005	MAJOR REHABILITATION	
LA0001	050-04	2	4	0.49	2005	MAJOR REHABILITATION	
LA0001	050-04	2	13	0.44	2005	MAJOR REHABILITATION	



Resets Based on Lettings

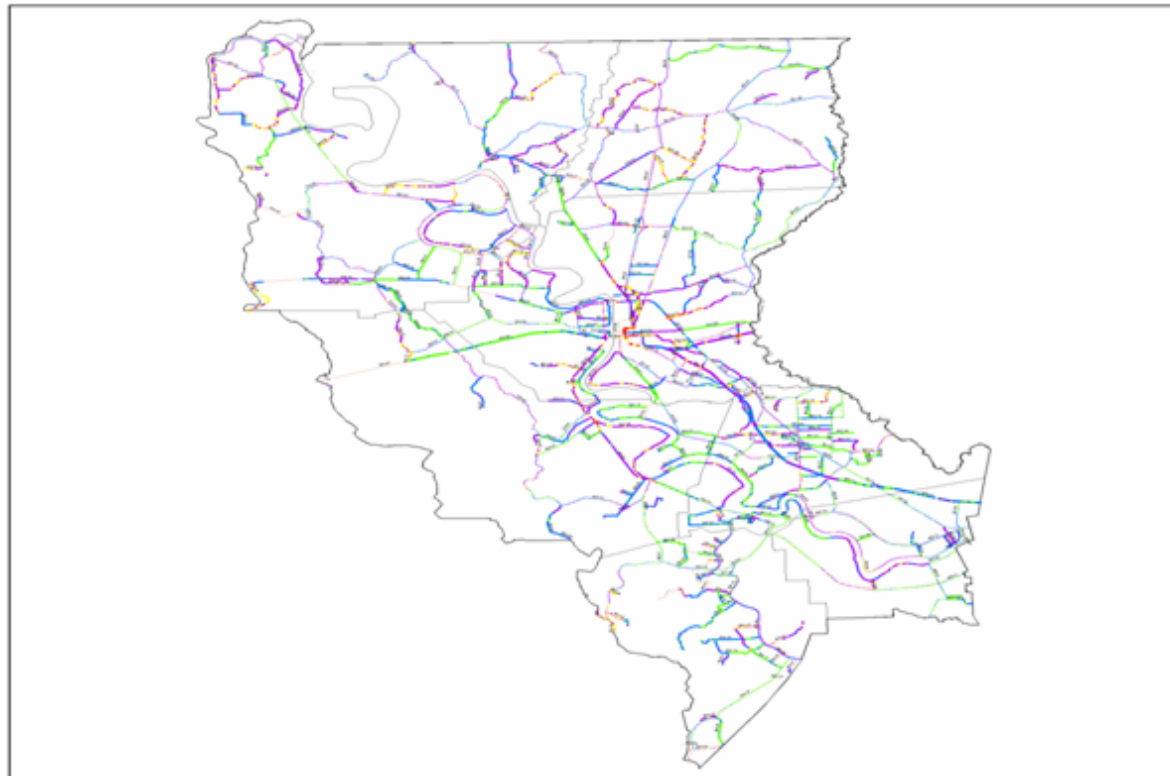
RESETS 2004 DISTRICT 07

CONTROL	DIRECTION	FROM	LENGTH	PROJECT #	PROJECT NAME	TYPE IMPROVEMENT	LET DATE
031-06	1	0	1.05	0044	U.S. 90 - LA 12	Cold Plate & Overlay	02/2004
031-06	1	1.05	1.17	0044	U.S. 90 - LA 12	Cold Plate & Overlay	02/2004
031-06	1	2.22	5.3	0044	U.S. 90 - LA 12	Cold Plate & Overlay	02/2004
031-06	1	7.52	4.66	0044	U.S. 90 - LA 12	Cold Plate & Overlay	02/2004
031-06	1	12.08	3.37	0044	U.S. 90 - LA 12	Cold Plate & Overlay	02/2004
031-06	1	15.45	1.03	0044	U.S. 90 - LA 12	Cold Plate & Overlay	02/2004
031-09	1	0	9.99	0041	Cz In 4.65 - Cz In 7.87	Lite, Base & Overlay	04/2004
193-03	1	0	2.13	0009	LA 364 N. - LA 397	White, Overlay & Related Work	03/2004
193-04	1	0	6.24	0009	CAMERON PARISH LINE-JCT LA 397	White, Overlay & Related Work	03/2004
193-31	1	0	2.02	0027	LA 14 - US 90	Cold Plate & Overlay	05/2004
193-31	1	2.02	3.1	0027	LA 14 - US 90	Cold Plate & Overlay	05/2004
384-02	1	8.2	4.66	0040	8.2 M.I.E. Johnson Bayou School	Paint & Overlay	08/2003
384-02	1	12.75	1.79	0040	8.2 M.I.E. Johnson Bayou School	Paint & Overlay	08/2003
450-91	1	10.43	9.36	0139	Cooke Gully - LA 27	Rebitte & Overlay	05/2004
450-91	2	10.43	9.36	0139	Cooke Gully - LA 27	Rebitte & Overlay	05/2004



District Roughness Index Map

DISTRICT 61 ROUGHNESS INDEX 2005



0 10 20 40 Miles

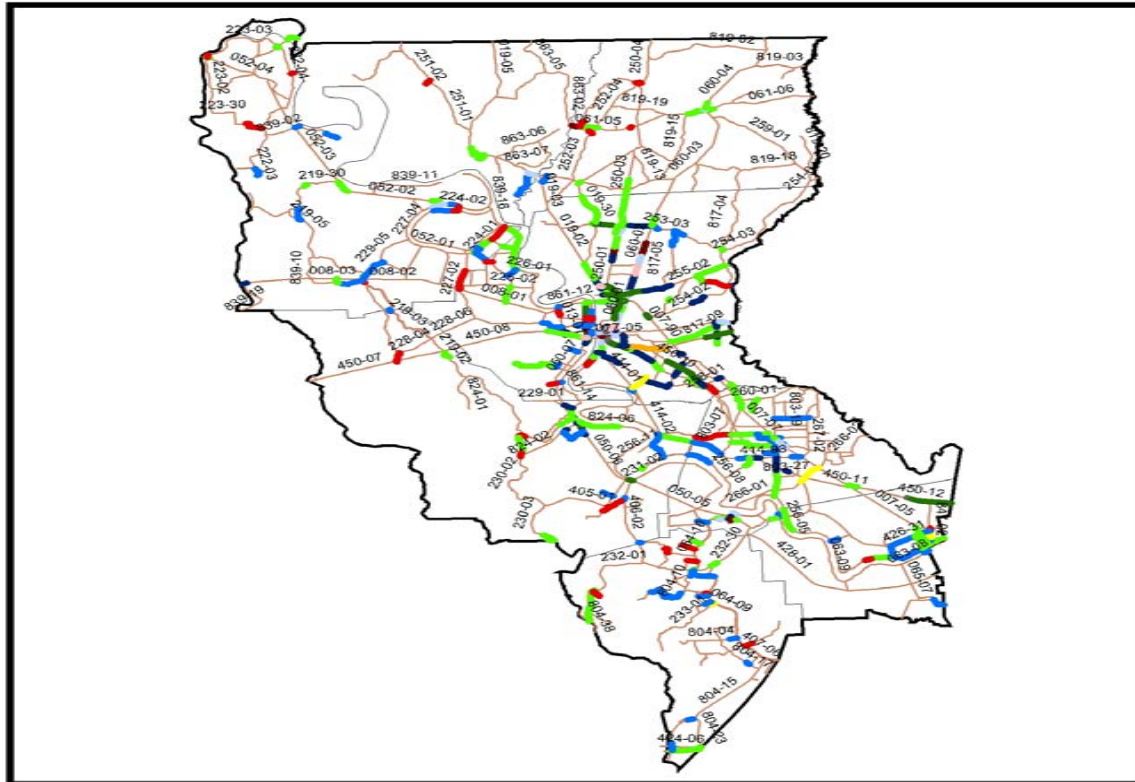
TENTH ROUGHNESS 2005

- NO RATING
- VERY POOR
- POOR
- FAIR
- GOOD
- VERY GOOD



District Priority List Treatment Map

DISTRICT 61 PRIORITY LIST 2005
BY TREATMENT TYPE



0 10 20 40 Miles

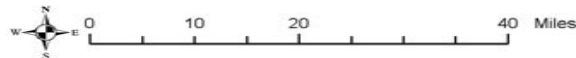
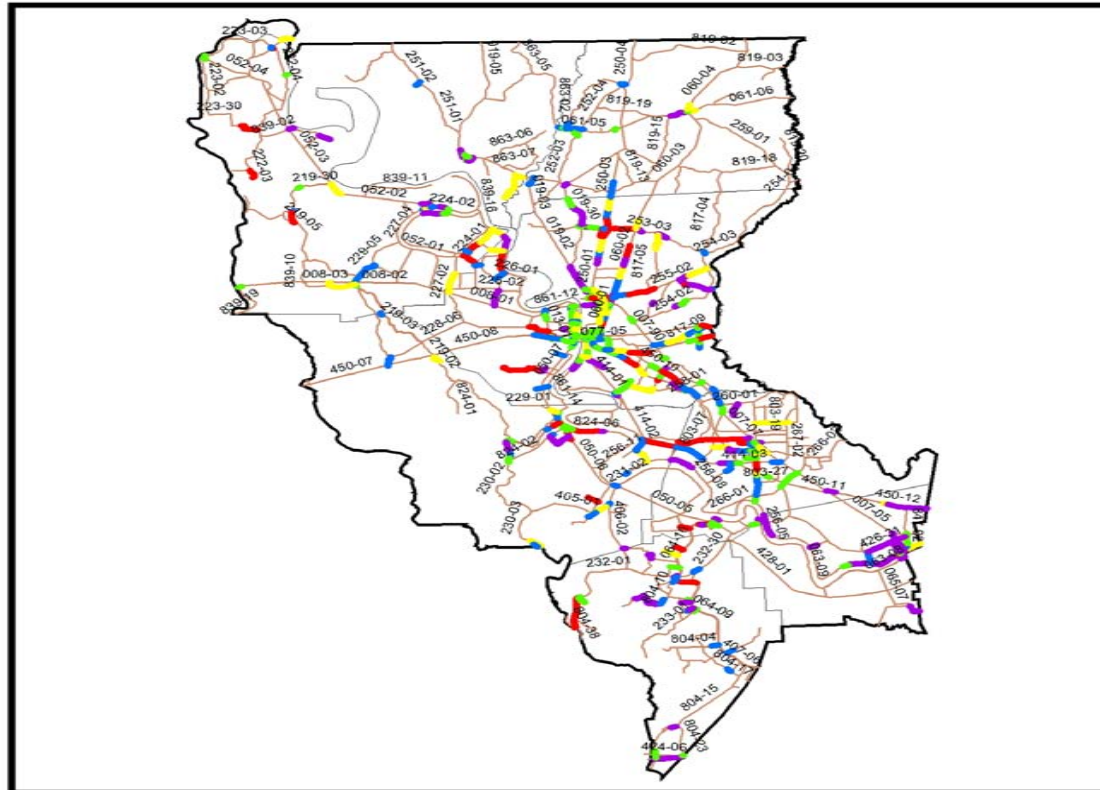
TREATMENT TYPE

- RECONSTRUCTION
- STRUCTURAL OVERLAY
- IN-PLACE STABILIZATION
- RUBBLIZE AND OVERLAY
- MAJOR REHAB
- MEDIUM OVERLAY
- MINOR REHAB
- POLYMER SURFACE TREATMENT
- THIN OVERLAY
- MICROSURFACING
- SEAL JOINTS AND CRACKS



District Priority List by Treatment Year Map

DISTRICT 61 PRIORITY LIST 2005
BY TREATMENT YEAR



TREATMENT YEAR

- 2006
- 2007
- 2008
- 2009
- 2010



Yearly Reports





Comparison Report

DOTD REPORT ON PAVEMENT CONDITION

Based on ARAN Data with resets up to June 30, of each year

IHS	Poor/VPoor	Fair or Better	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	TOTAL
2000	9.9%	90.1%	0.8%	9.1%	54.3%	8.5%	27.3%	100%
2001	8.6%	91.4%	0.3%	8.3%	36.4%	16.3%	38.6%	100%
2002	7.3%	92.7%	0.30%	7%	35.4%	16.3%	41.0%	100%
2003	6.3%	93.7%	0.3%	6.0%	36.1%	16.6%	41.0%	100%
2004	8.5%	91.6%	0.9%	7.6%	36.4%	22.0%	32.7%	100%

NHS	Poor/VPoor	Fair or Better	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	TOTAL
2000	9.6%	90.4%	2.8%	6.8%	39.0%	16.8%	34.5%	100%
2001	9.0%	91.0%	2.4%	6.6%	40.5%	29.2%	21.3%	100%
2002	8.2%	91.8%	2.2%	6.0%	35.3%	27.5%	29.0%	100%
2003	8.9%	91.1%	2.4%	6.5%	34.2%	31.7%	25.2%	100%
2004	9.6%	90.5%	1.9%	7.7%	32.8%	31.4%	26.3%	100%

SHS	Poor/VPoor	Fair or Better	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	TOTAL
2000	7.4%	92.6%	0.8%	6.6%	40.3%	28.1%	24.2%	100%
2001	5.1%	94.9%	0.6%	4.5%	36.3%	36.0%	22.6%	100%
2002	4.2%	95.8%	0.5%	3.7%	33.2%	35.6%	27.0%	100%
2003	4.4%	95.6%	0.5%	3.9%	35.9%	36.8%	22.9%	100%
2004	5.5%	94.5%	1.1%	4.5%	38.1%	33.1%	23.2%	100%

RHS	Poor/VPoor	Fair or Better	VERY POOR	POOR	FAIR	GOOD	EXCELLENT	TOTAL
2000	23.5%	76.5%	5.6%	17.9%	33.8%	25.2%	17.5%	100%
2001	15.1%	84.9%	2.6%	12.5%	42.5%	26.9%	15.5%	100%
2002	14.0%	86.0%	2.2%	11.8%	40.7%	26.5%	18.8%	100%
2003	15.4%	84.6%	2.4%	13.0%	42.4%	27.1%	15.1%	100%
2004	18.7%	81.3%	3.6%	15.0%	43.9%	25.0%	12.5%	100%

* All divided Highways include both directional miles.



Statewide Summary Report

LOUISIANA DOTD 2004 REPORT ON PAVEMENT CONDITION
BY
DISTRICT
BY
HIGHWAY SYSTEM CLASSIFICATION
BY
ROADWAY MILES

STATE WIDE SUMMARY							
National Highway System (NHS) (Excluding Interstate)	VERY POOR	POOR	FAIR	GOOD	VERY GOOD	*EXCEPTIONS	TOTAL
	RWY_MILES	RWY_MILES	RWY_MILES	RWY_MILES	RWY_MILES	RWY_MILES	RWY_MILES
Rural Other Principal Arterial	2.91	65.85	451.48	432.51	426.76	0.00	1379.51
Rural Minor Arterial	0.00	28.06	36.9	58.91	22.10	4.72	150.69
Rural Major Collector	0.00	0.00	13.48	2.84	0.00	0.00	1530.20
							3060.40
Urban Other Freeways and Exp. Way	0.00	6.00	32.54	41.89	22.65	0.00	103.08
Urban Other Principal Arterial	36.23	61.61	157.49	127.75	89.59	10.14	482.81
Urban Minor Arterial	1.78	2.08	9.98	6.67	0.48	0.00	20.99
							606.88
TOTAL MILES	40.92	163.60	701.87	670.57	561.58	14.86	2153.40
NHS PERCENT	1.90%	7.60%	32.59%	31.14%	26.08%	0.69%	100.00%

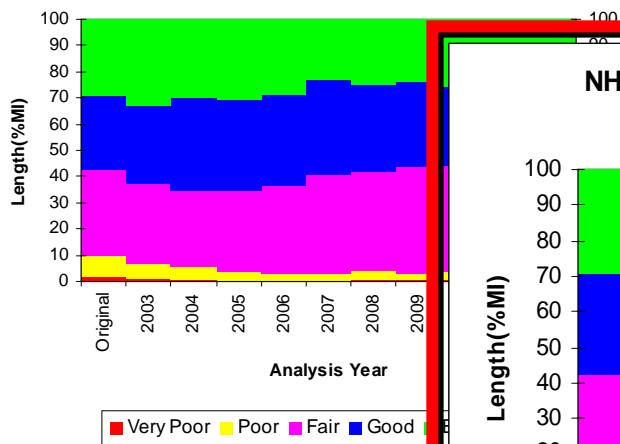
* EXCEPTIONS: ARAN did not report Roughness distress due to 1 or more of the following reasons: section under construction, lane deviation or low speed.

NOTE : The total Roadway Miles for 2004 Report differ due to some bridges being counted as Pavements in 2003, and mostly due to Undivided sections being counted as Divided in 2003 Report.

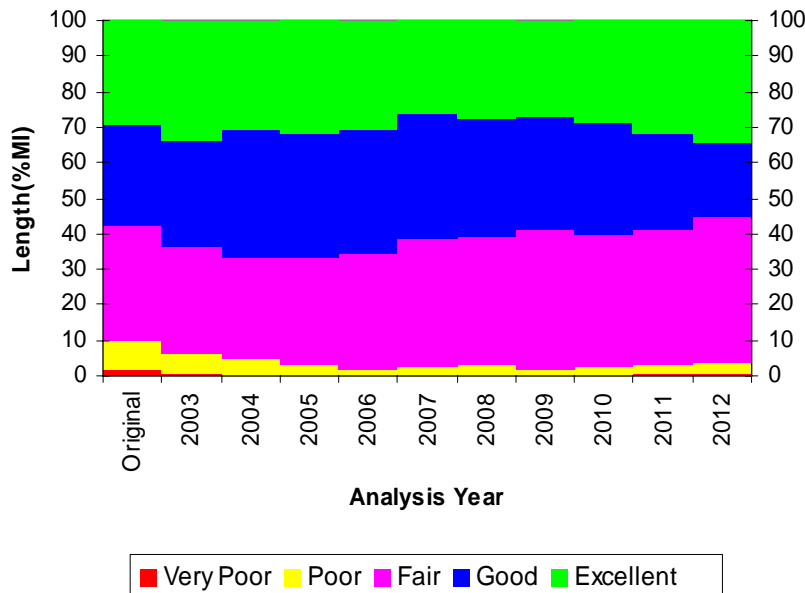


Budget Analysis

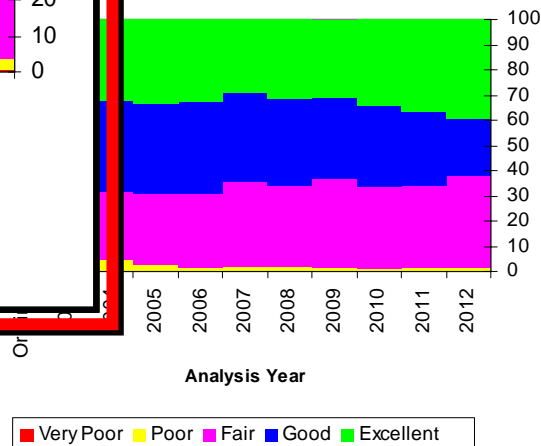
NHS Condition Distribution Budget 32 Million



NHS Condition Distribution Budget 36 Million



NHS Condition Distribution Budget 40 Million





District Smoothness Award Report

Pavement Smoothness Award Candidates

LADOTD Tracking of Projects System

NHS Road Construction Projects Completed in 2005

District	Contractor	Project Number	Length	Begin Log Mile	End Log Mile	Route	Name	Work Type	Avg. IRI	Remarks
02	Barriere Construction Co., Llc	006-02-0062	3.46	0	3.46	US 90	U.S. 90, Huey P. Long Bridge - Orleans Parish Line	Asph Ovly Asph Pv	D1= 134.28 D2= 132.88	
02	Barriere Construction Co., Llc	046-31-0048	1.51	0.49	2	LA 39	Elysian Fields - Poland Ave.	Asph Ovly Asph Pv	D1= 119.40 D2= 145.00	
03	Diamond B Construction Co., L.L.C	450-04-0084	6.882	0	6.882	I- 10	Jefferson Davis Parish Line -Egan	Ac Ovly Bro/S Pcc	D1= 54.06 D2= 53.72	
03	Gilbert Southern Corp	450-04-0069	7.984	7.012	14.996	I- 10	Egan-Crowley	Conc New Pvmt		Entire section is Asphalt ovly
04	Madden Contracting Co., Inc.	451-02-0049	3.06	15.56	18.67	I- 20	US 80 Overpass (Fillmore) to 6.88 Miles East	Conc New Pvmt		Entire section is Asphalt ovly
04	Martin Marietta Materials of LA I	451-01-0108	3.011	9.722	12.733	I- 20	Pines Road to Monkhouse Drive	Conc New Pvmt	D1= 81.10 D2= 82.35	



Quarterly Report

Aran 2003 Deteriorated to June 30, 2005

IHS	JUNE 2005	1ST QUARTER		2ND QUARTER		3RD QUARTER		4TH QUARTER		JUNE 2006	TOTAL MILES
		LETTING	PVP	LETTING	PVP	LETTING	PVP	LETTING	PVP		
PERCENT	7.31%	0.00%	7.31%	0.00%	7.31%	0.95%	6.37%	0.00%	6.37%		
ROADWAY MILES	115.31	0.00	0.00	0.00	0.00	1492	0.00	0	0.00	0	1576.58

NHS	JUNE 2005	1ST QUARTER		2ND QUARTER		3RD QUARTER		4TH QUARTER		JUNE 2006	TOTAL MILES
		LETTING	PVP	LETTING	PVP	LETTING	PVP	LETTING	PVP		
PERCENT	8.54%	0.16%	8.38%	0.00%	8.38%	0.33%	8.05%	0.00%	8.05%		
ROADWAY MILES	182.64	3.32	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0	2138.54

SHS	JUNE 2005	1ST QUARTER		2ND QUARTER		3RD QUARTER		4TH QUARTER		JUNE 2006	TOTAL MILES
		LETTING	PVP	LETTING	PVP	LETTING	PVP	LETTING	PVP		
PERCENT	5.18%	0.14%	5.04%	0.12%	4.92%	0.20%	4.71%	0.00%	4.71%		
ROADWAY MILES	377.46	10.55	0.00	8.98	0.00	14.79	0.00	0.00	0.00	0	7281.72

RHS	JUNE 2005	1ST QUARTER		2ND QUARTER		3RD QUARTER		4TH QUARTER		JUNE 2006	TOTAL MILES
		LETTING	PVP	LETTING	PVP	LETTING	PVP	LETTING	PVP		
PERCENT	17.80%	0.04%	17.76%	0.01%	17.75%	0.69%	17.06%	0.00%	17.06%		
ROADWAY MILES	1258.95	2.60	0.00	0.88	0.00	48.70	0.00	0.00	0.00	0	7071.79



Louisiana Protocols

- Asphalt Surface Pavements
 - Concrete Surface Pavements
-





Louisiana Protocols

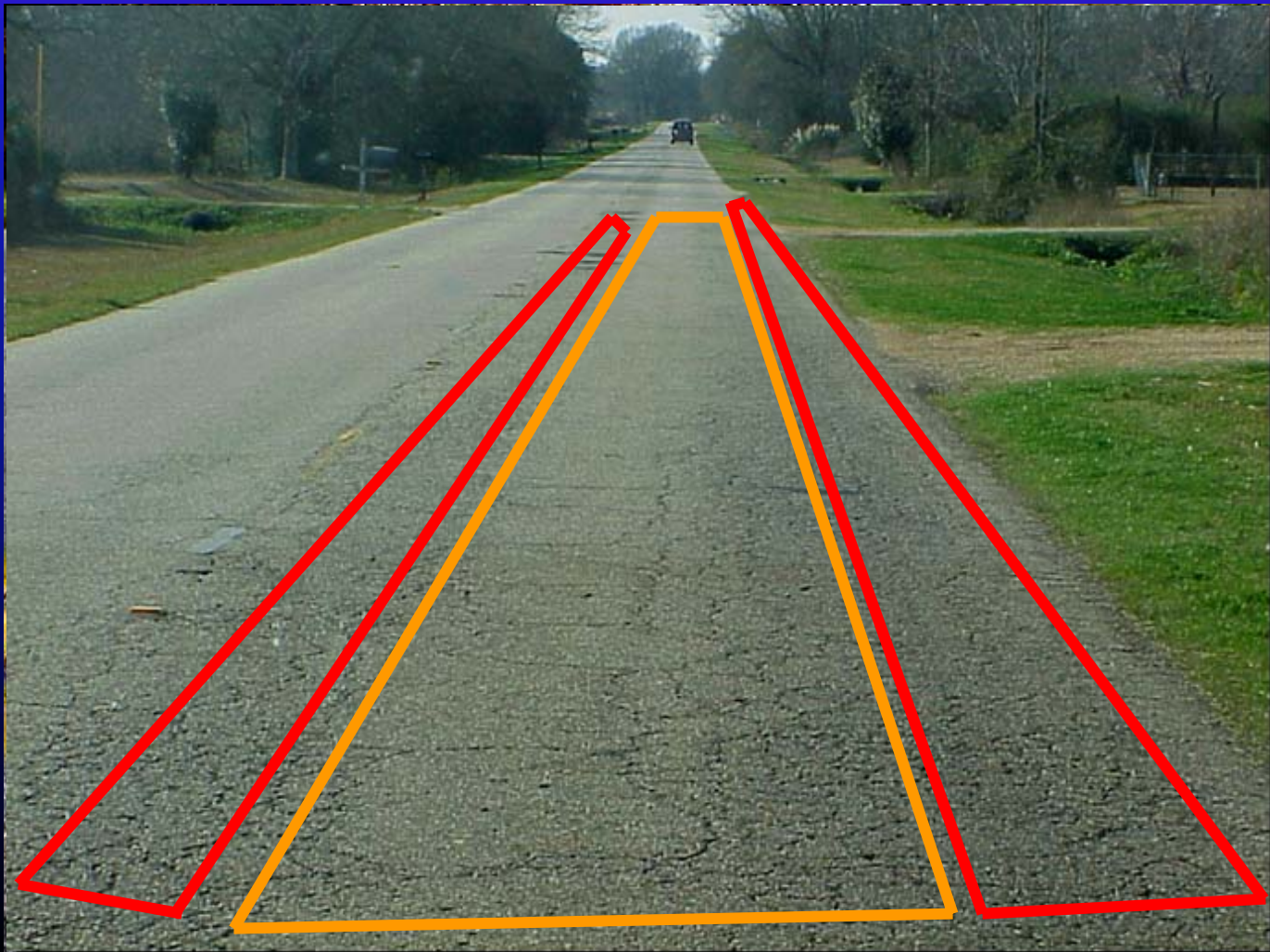
Asphalt Surface Pavement: Fatigue (Alligator) Cracking





Louisiana Protocols

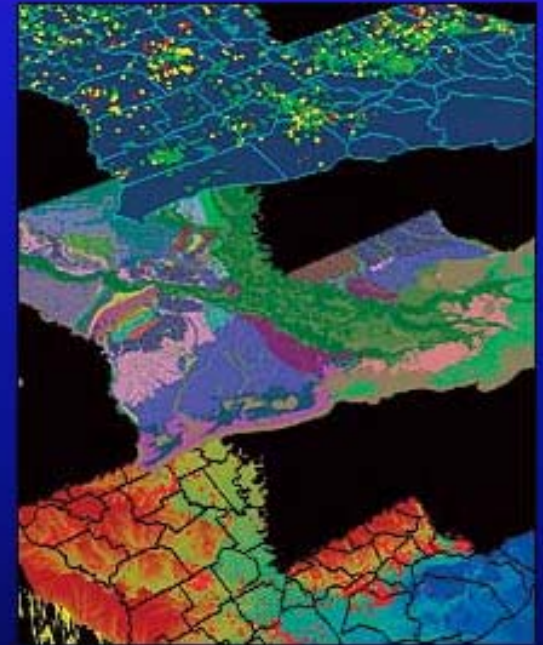
Asphalt Surface Pavement: Random Cracking





Current PMS Project

- Users will be able to create customized PMS reports from a GIS interface
- System will use dTIMS CT Enterprise and SQL Server 2003 to pull data from 11 different DOTD databases
- Various pavement data will be available upon clicking a road section on the map





Current PMS Project

Early screen shot:

The screenshot displays the ArcMap interface with a map of the Shreveport - Bossier City area. The map shows major roads, water bodies like Cross Lake, and various control sections highlighted in cyan. A legend on the left lists various map layers, including 'TAND_NEEDS'. Below the map, a data table titled 'Attributes of the TAND_NEEDS byControlSection' is visible, containing the following data:

CONTROL_SECTION	SUB_SEC	YEAR	CREAT	URBAN	RURAL	PARISH	ROUTE_NUMB	BEGIN_LOG_MILE	END_LOG_MILE	LENGTH	FUNCTIONAL_CLAS	HPMS_FUNC_CLASS	FEDERAL_AID_SYS	ACCESS	CONTROL	ADT	ADT_STATION	APPARENT_ID	INTERNAL_C
201-02	01	2005	12	09		LS0000	0	1.7	1.7	3	16	3	3		1020	125021		01	
201-02	02	2005	12	09		LS0000	1.7	2.54	0.84	3	16	3	3		1020	125021		100	
201-02	03	2005	12	09		LS0000	2.54	2.92	0.38	3	16	3	3		1020	125021		100	
201-02	04	2005	12	09		LS0000	2.92	3.40	0.48	3	16	3	3		1020	125021		100	
201-02	05	2005	12	09		LS0000	3.40	4.50	1.1	3	16	3	3		1020	125021		02	
201-02	06	2005	12	09		LS0000	4.50	5.40	0.9	3	16	3	3		1020	125021		02	
201-02	07	2005	12	09		LS0000	5.40	7.24	1.84	3	16	3	3		1020	125021		02	
201-02	08	2005	12	09		LS0000	7.24	7.8	0.56	3	16	3	3		1020	125021		02	
201-02	09	2005	12	09		LS0000	7.8	8.03	0.23	3	16	3	3		1020	125021		02	
201-02	10	2005	12	09		LS0000	8.03	9.6	0.77	3	16	3	3		1020	125021		02	
201-02	11	2005	12	09		LS0000	9.6	10.46	0.86	3	16	3	3		1020	125021		02	
201-02	12	2005	12	09		LS0000	10.46	10.83	0.37	3	16	3	3		1020	125021		120	
201-02	13	2005	12	09		LS0000	10.83	10.8	0.07	3	16	3	3		14400	128201		02	
201-02	14	2005	12	09		LS0000	10.8	11.06	0.46	3	16	3	3		14400	128201		100	



The End

