

Louisiana DOTD



Preventative Maintenance Policy

SEPPP Louisville, Kentucky

May 28 – 30, 2014

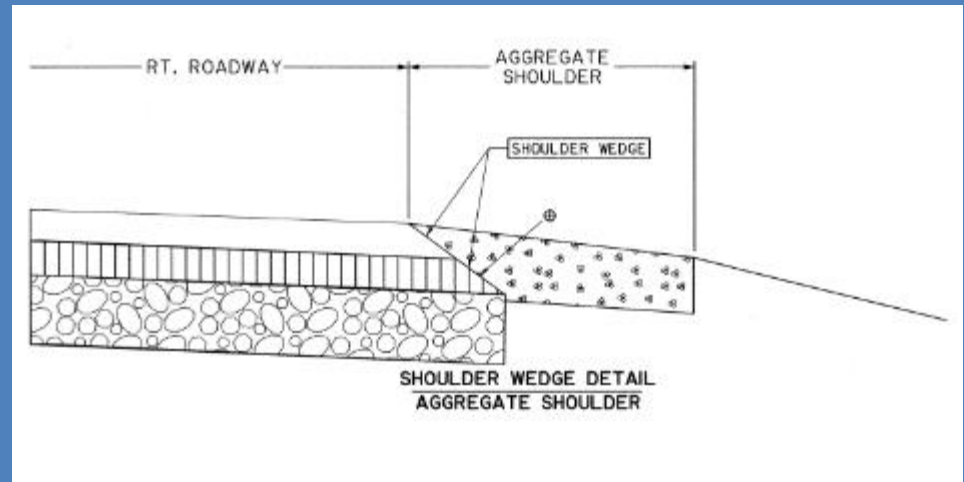
Budget

- State Fiscal Year 2013-2014 - \$10 million
- State Fiscal Year 2014-2015 - \$7.5 million
- State Fiscal Year 2015-2016 - \$7.5 million

Treatments

Statewide Low Cost Safety Treatments

- Rumble strips
- Shoulder wedge



Preventative Maintenance Treatments

- Chip Seal
- Patching
- Crack/Joint Sealing
- Single-Lift overlay (2" max.)
- Microsurfacing
- Thin Lift Overlay

Preventative Maintenance Treatments & Questions

- Microsurfacing
 - Centerline rumble strips?

Preventative Maintenance Treatments & Questions

- Thin-lift overlay (<1.50")
 - Does your state use this treatment?
 - In Lieu of 1.5" or 2" overlay or for other applications?
 - What are your state's specifications?
 - Design guidelines – limiting pavement distress conditions?

Preventative Maintenance Treatments & Questions

- Thin-lift overlay (<1.50")
 - Tack Coat Requirements?
 - Use of a spray paver?
 - Do you assign a design life?
 - Do you assign a structural value?

Pavement Preservation Policy

- Signed 3/26/13
- “Data driven process for selecting... projects”
- Defines permitted treatments

LADOTD

SELECTION OF TREATMENTS AND PROJECTS FOR PAVEMENT
PRESERVATION

Preservation/Rehabilitation/Replacement (PRR) Program

Road Design Section
3/26/2013

This document provides an overview of LADOTD's process for selection of pavement preservation projects and treatments.

Pavement Preservation Policy – Challenges

Maintain good roads vs. way we have always done it

“Before you came to the
position you have now...”

“We have spent Precious
time”



Pavement Preservation Policy – Data

Data Driven

- Data collection
- PMS software



md
dTIMS MANAGEMENT DASHBOARD

Dashboard Data Sheet View Work With Data Strategic Analysis Module Cross Asset ROI Construction Program Links Edit Configuration Help Logout

Analysis Set: STATE_WIDE Budget Scenario: DISTRICT03 Year: 2013 [Generate Report](#) [Export Data](#)

Loading...

Analysis Set : STATE_WIDE Budget Scenario : DISTRICT03 Year : 2013

Control/Route	Direction / Pavetype	Req Log / Treatment	Length/ Cost	Resest/ SWS	Ruff/ Avg_BI	Rut/ Avg_Rut	ALCK	LGCK	TRCK	RNDH	PTCH	Overall	RSI
003-09	1	0.4	0.76	???	90	95	0	0	0	95	100	92	39
US0990	COM	Do Nothing		S	89	0.16							
003-09	1	1.16	6.07	???	91	95	0	0	0	95	100	92	39
US0990	COM	Do Nothing		S	86	0.16							
003-09	1	7.23	0.5	???	87	96	0	0	0	92	100	90	37
US0990	COM	Do Nothing		S	102	0.14							
003-09	1	7.73	3.94	???	89	88	0	0	0	80	100	83	38
US0990	COM	TD	\$996,830	S	94	0.25							
003-09	1	11.67	0.64	???	87	89	0	0	0	76	100	80	36
US0990	COM	TD	\$161,920	R	103	0.25							
003-09	1	12.31	0.6	???	91	88	0	0	0	79	100	83	15
US0990	COM	MD	\$328,800	R	79	0.25							
003-09	1	13.1	0.76	???	84	91	0	0	0	69	100	77	12
US0990	COM	TD	\$192,280	R	113	0.21							
003-10	1	0	0.51	???	81	95	0	0	0	77	100	80	11
US0990	COM	TD	\$129,030	S	128	0.16							
003-10	1	0.51	0.34	???	63	91	0	0	0	82	95	72	4
US0990	COM	TD	\$46,240	R	216	0.2							
003-10	1	0.85	0.19	???	56	67	0	0	0	84	83	63	0
US0990	COM	MD	\$104,120	R	253	0.51							
003-10	1	1.04	0.62	???	66	85	0	0	0	89	100	74	4
US0990	COM	MD	\$339,760	R	202	0.28							
003-10	1	1.66	-4.61	???	59	68	0	0	0	67	92	61	18
US0990	COM	MD	\$2,526,280	S	239	0.5							

Pavement Preservation Policy – Challenges

No data – didn't say we couldn't



Pavement Preservation Policy – Challenges



Doing what data
said to do

Pavement Preservation Policy – Lessons Learned

- Data and definitions of treatments are a good starting point
- Don't blindly trust “magic black box” – know how it works
- Engineering judgment required

Applying the New Policy

Can be done

