Midwestern Pavement Preservation Partnership Meeting Indianapolis, IN

November 12, 2013

"Keep Good Roads Good!"

Is this "Mission Impossible?"





Keep Good Roads Good!

Challenges:

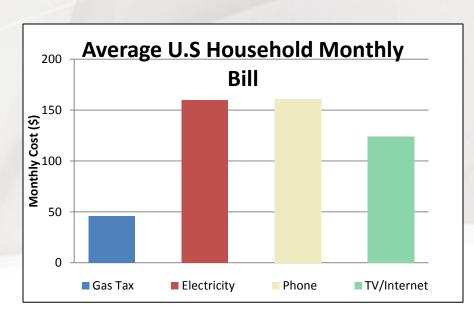
- Deteriorating Road Conditions
- Current Levels of Investment
- Available Funding
- Increasing Costs

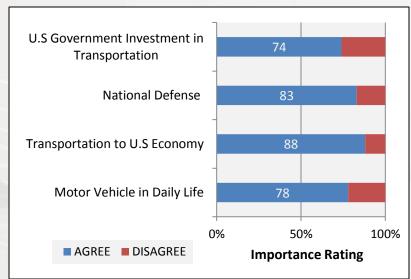


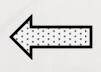
Personal investment in "good roads"

How <u>important</u> are "good roads" to the public?





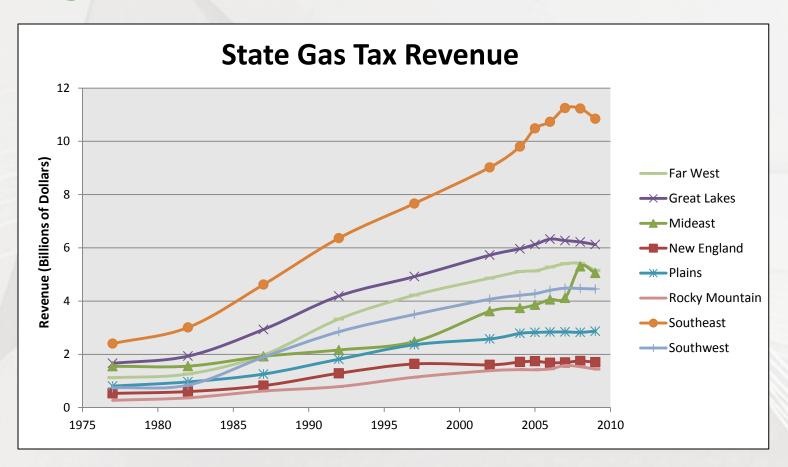




How much are "good roads" worth?



Regional investment in "good roads"



New England 2009 funding (actual):

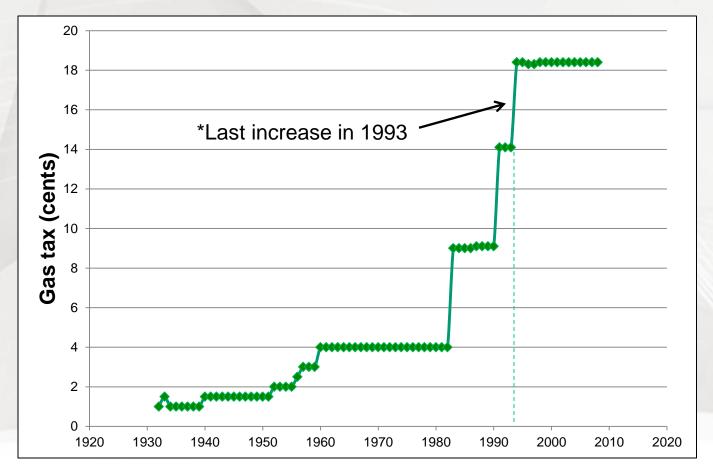
\$1.7 Billion

New England 1977 value (corrected for **inflation**): \$1.9 Billion



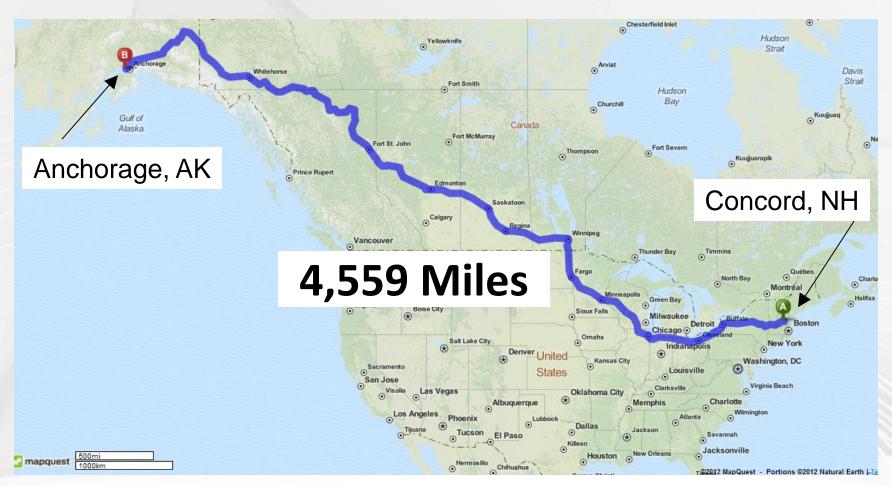
National investment in "good roads"

Federal gas tax





The NHDOT Maintained road network would stretch from Concord, NH to Anchorage, AK – 4,559 miles



A very long drive!



Poor Road Conditions



Department of Transportation

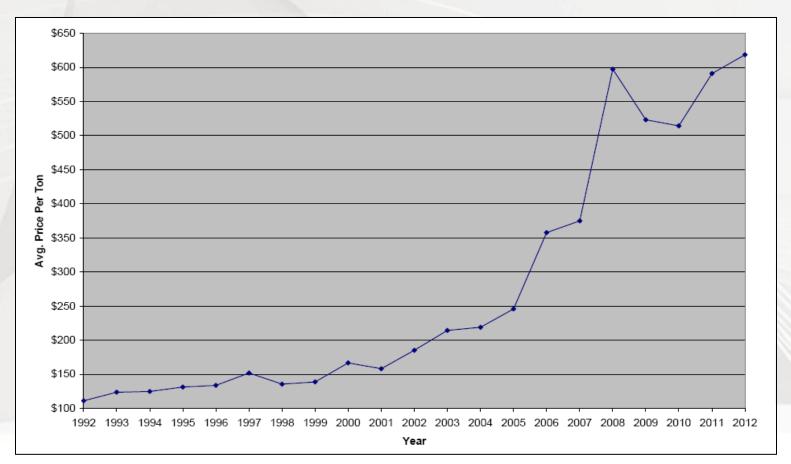
Funding Resources for NH

- State Funds (road toll tax a.k.a. gas tax, motor vehicle fees, court fees, misc.) (\$250M/ year)
- Federal Aid: Highway Fund (\$143M/year)
 - Currently matched with Turnpike Toll Credits
 - Reduces Capital Program by 15 to 20 %
- Turnpike Fund: For use on turnpike only (\$117M/year)
- Future Revenue Outlook



Increase in Material Costs

Asphalt Cement cost increased 460% from 1992-2012





What's the solution?

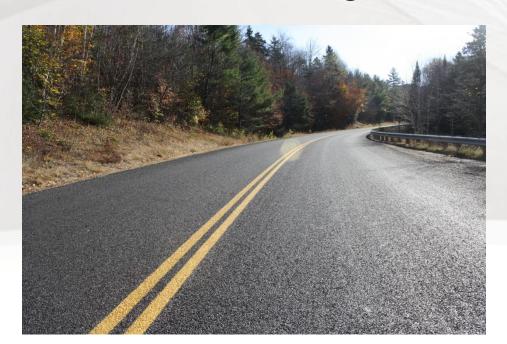
- Increase Revenue; gas tax, mileage fee, registration, etc
- Make our roads last longer
 - How do we accomplish with constrained funding?

Pavement Preservation!!



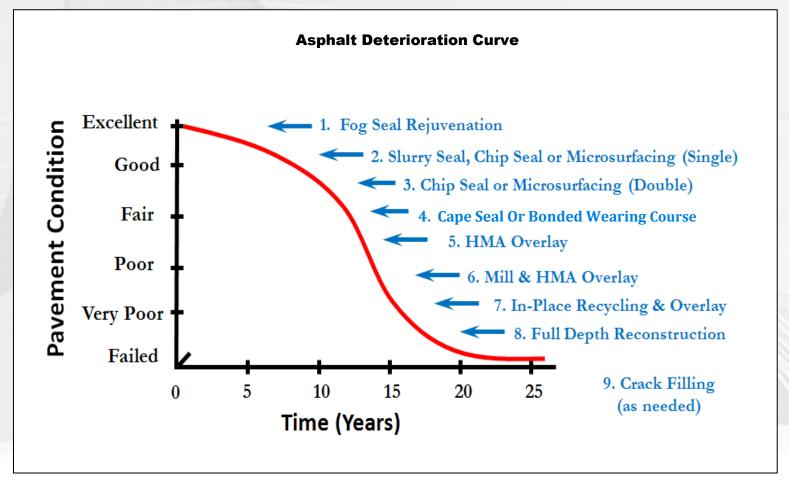
Pavement Preservation

- The RIGHT Treatment on the RIGHT Road at the RIGHT Time
- Cost Effectiveness
- Education and Promoting the Benefits





The RIGHT Treatment on the RIGHT Road at the RIGHT Time



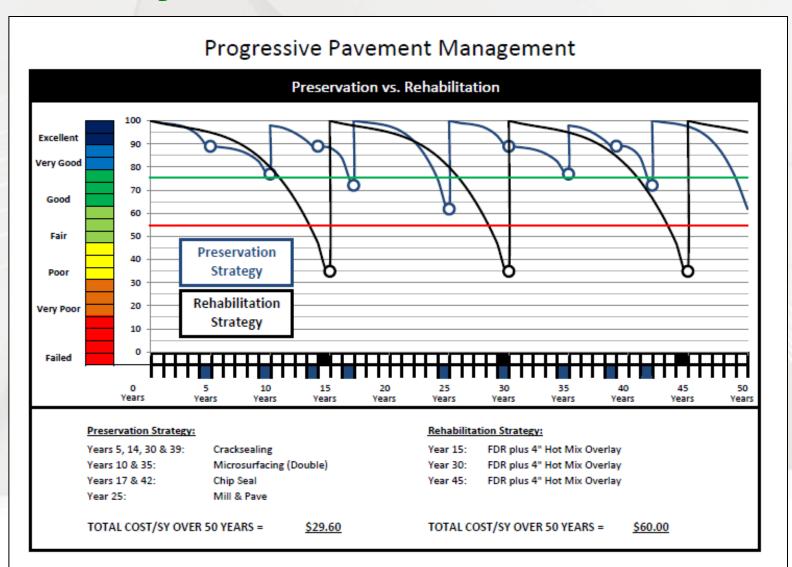


Why "Pavement Preservation"?

2013 NHDOT Equivalent Annual Costs (EACs)

TREATMENT			AVG.		
		COST	SERVICE LIFE	E EAC	
	(\$/SY)		(years)	(\$/SY/year)	
4.75mm HMA	\$	2.86	6	\$	0.48
Micro Surfacing	\$	3.11	6	\$	0.52
Double Chip Seal	\$	4.02	7	\$	0.57
1" HBP Overlay	\$	4.60	8	\$	0.58
Bonded Wearing Course	\$	5.94	10	\$	0.59
3/4" Paver Shim	\$	3.66	6	\$	0.61
Asphalt Rubber Chip Seal	\$	5.39	8	\$	0.67
1-1/2" HBP Overlay	\$	6.91	10	\$	0.69
1-1/2" HBP Inlay	\$	8.51	10	\$	0.85
FDR with 4" HBP	\$	20.03	15	\$	1.34
2" TW Inlay with 1-1/2" FW Overlay	\$	17.72	13	\$	1.36
4" CIP with 3-1/2" HBP Overlay	\$	29.15	15	\$	1.94

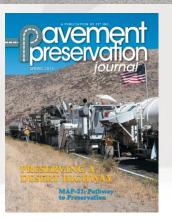
Why "Pavement Preservation"?



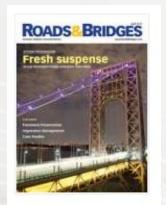


Promoting the Benefits













2012 NH 12 Micro Surfacing Project



Promoting the Benefits









were used to create the highway coating. By SARA YOUNG-KNOX

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Let's build tomorrow!

"Keep Good Roads Good"

Thank You!



