

Introduction To Transportation Asset Management For Elected Official

What Is Asset Management?

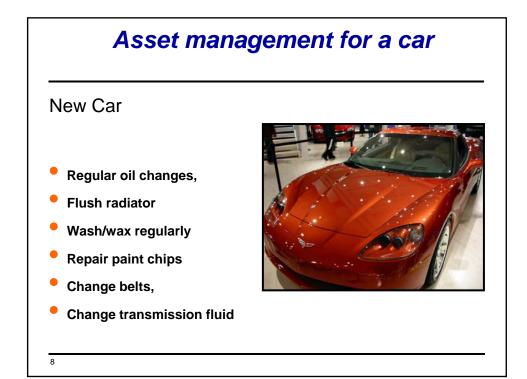
What is Transportation Asset Management?

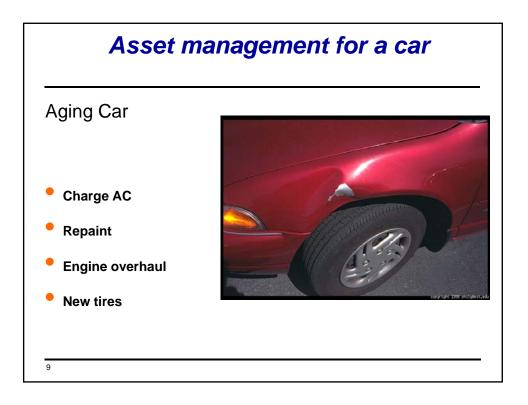
> "An ongoing process of maintaining, upgrading, and operating physical assets cost effectively, based on a continuous physical inventory and condition assessment"

> > Source: Act 499 of the Public Acts of 2002.

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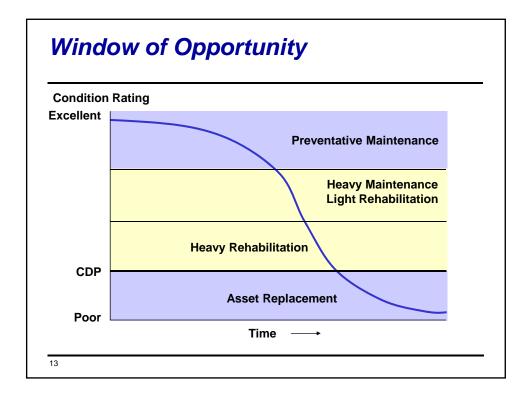


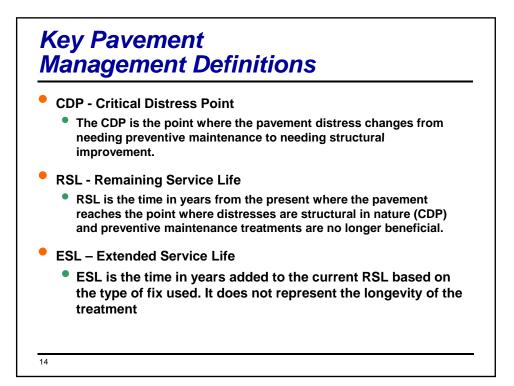


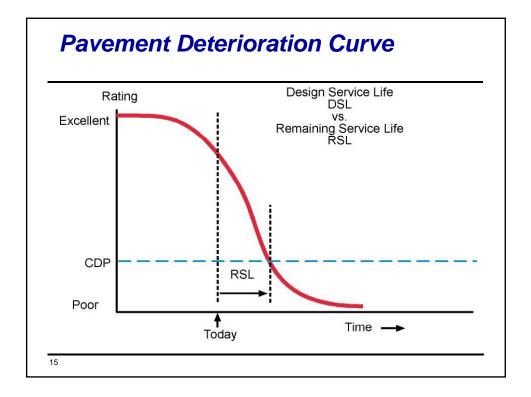


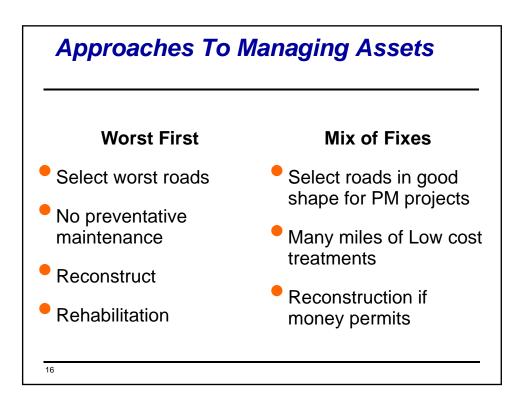


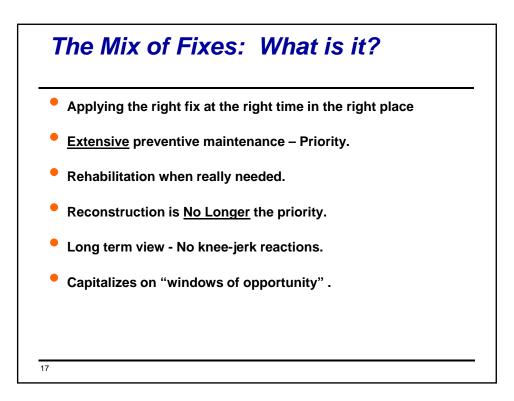






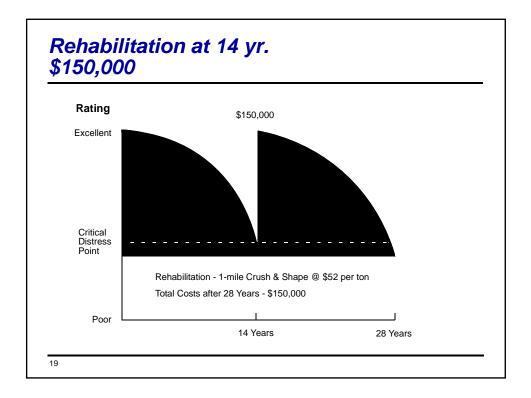


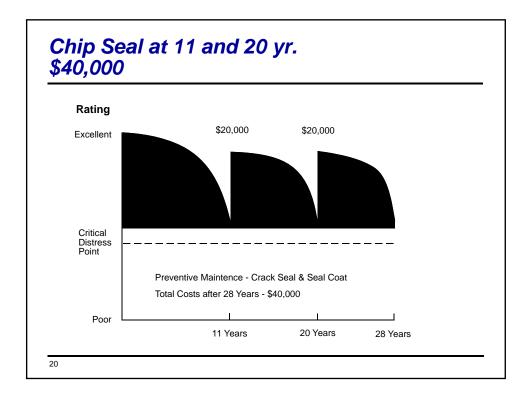


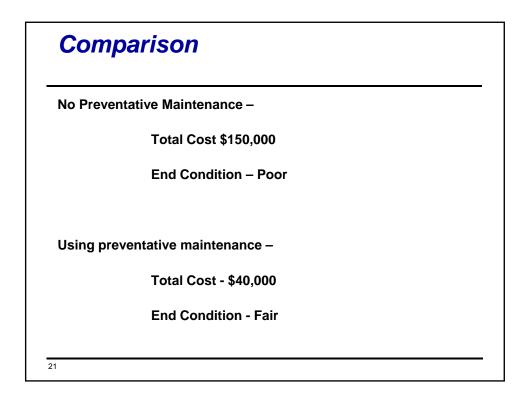


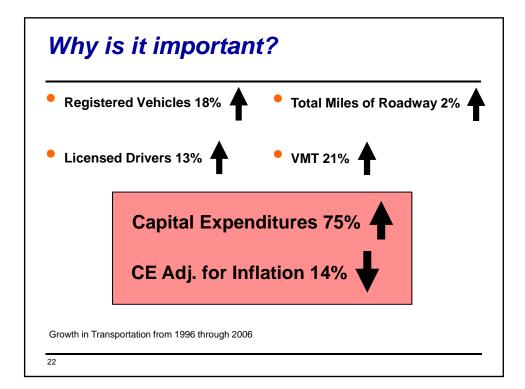
Cost Effectiveness of Treatments

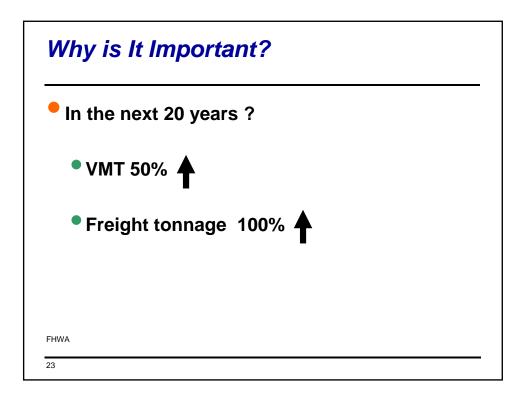
Fix Type	Cost \$ per Lane Mile	Added Life	Cost per Year of Added Life	
Crack Seal	\$4,000	1 yr.	\$4,000	
Seal Coat & Crack Seal	\$20,000	5-9 yr.	\$4,000	
Overlay	\$100,000	8-12 yr.	\$12,500	
Crush & Shape	\$150,000	14 yr.	\$10,700	
Reconstruction	\$300,000	15 yr.	\$20,000	

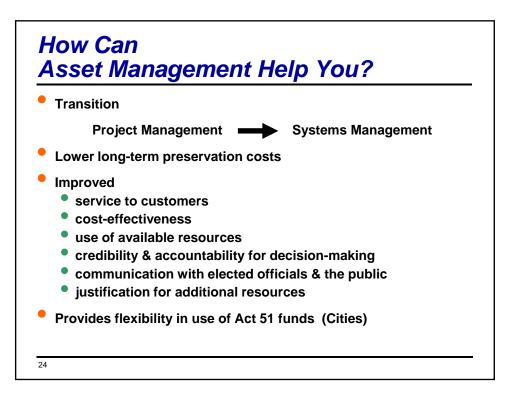


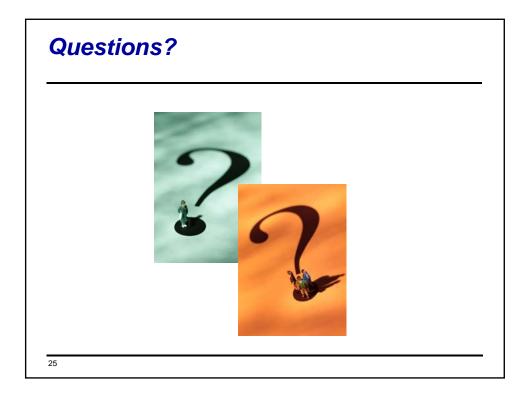


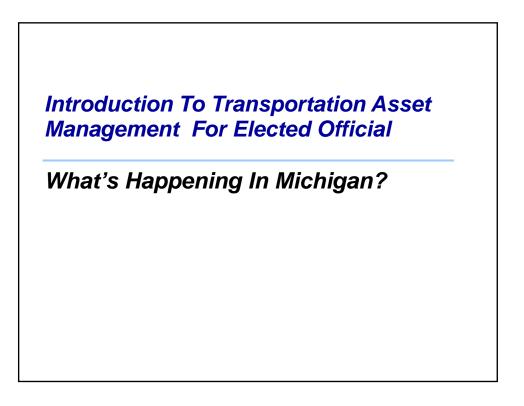


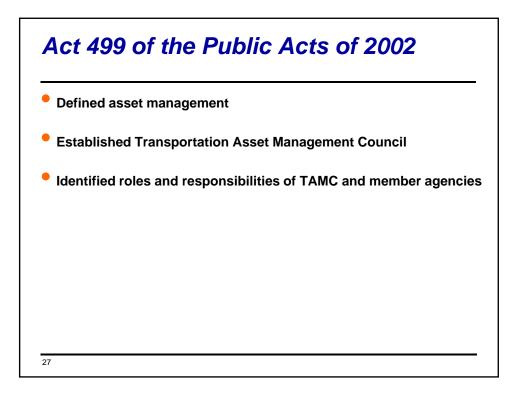


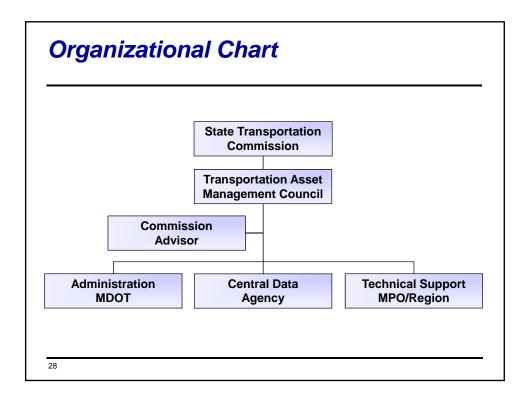




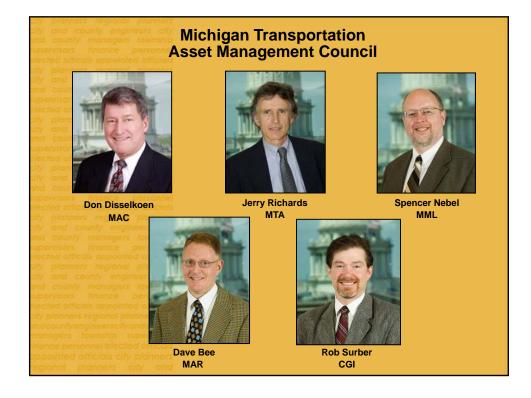


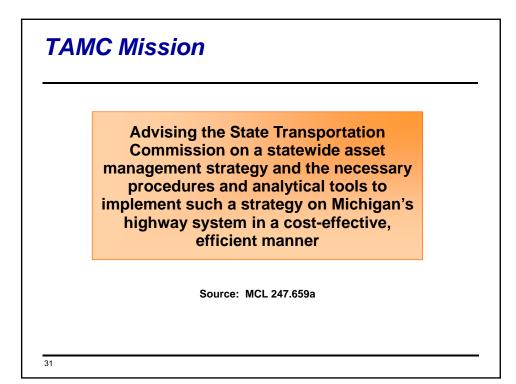


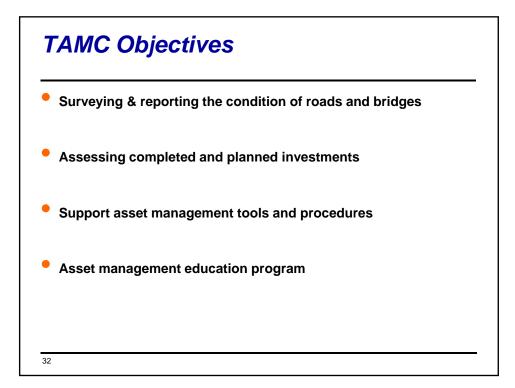


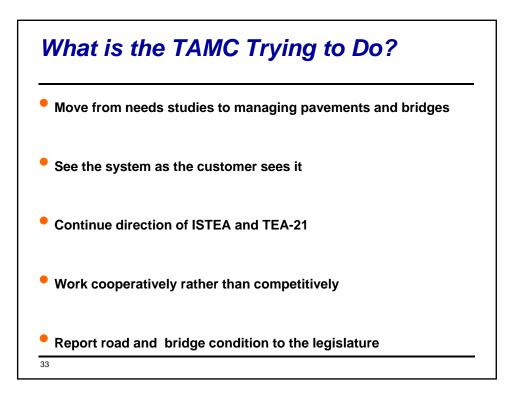


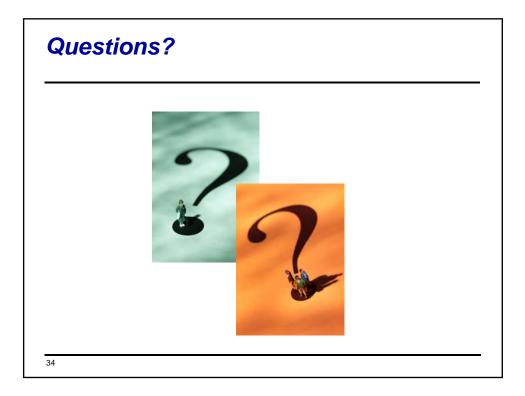














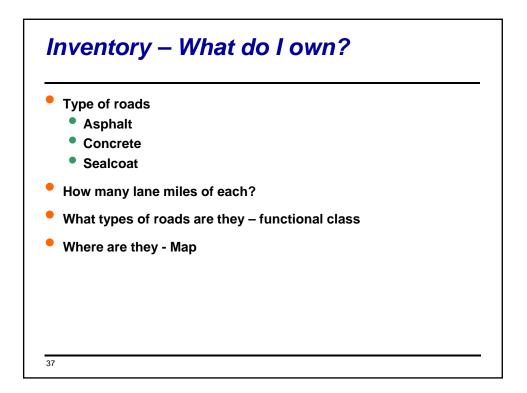
Nuts and Bolts of Asset Management

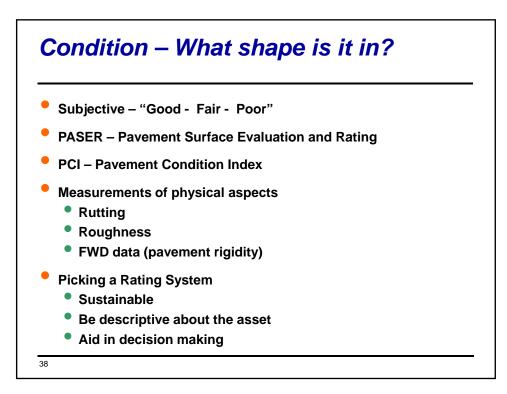
Managing Physical Assets

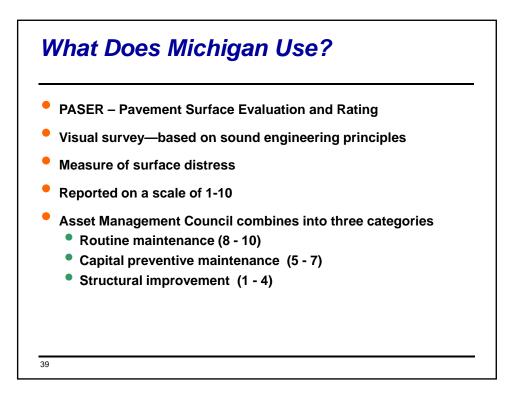
Steps

- Inventory
- Condition (rating)
- Predicting future condition
- Managing network

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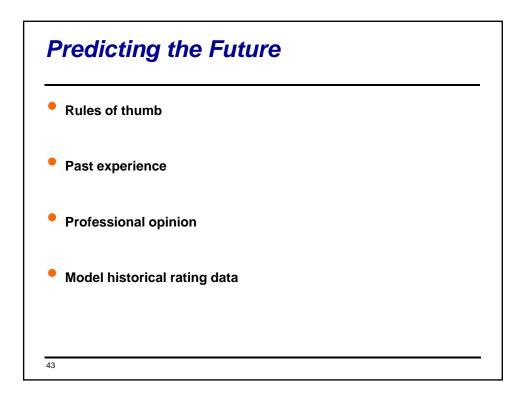


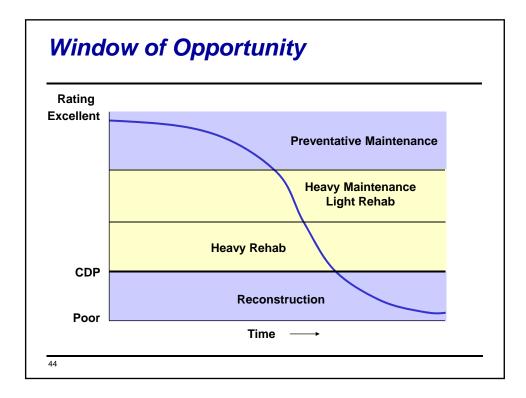


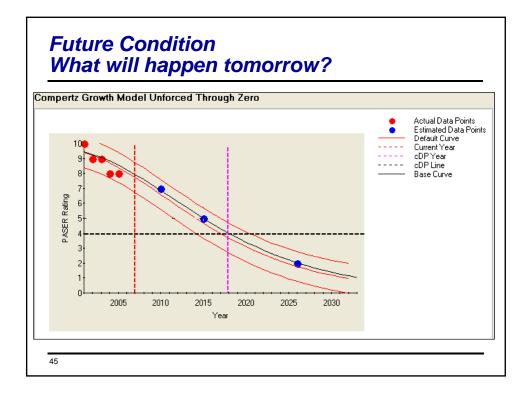






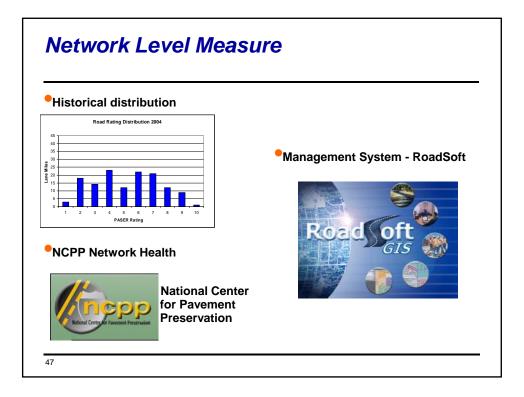


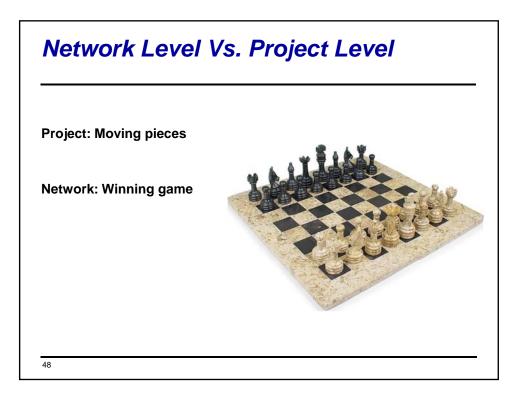


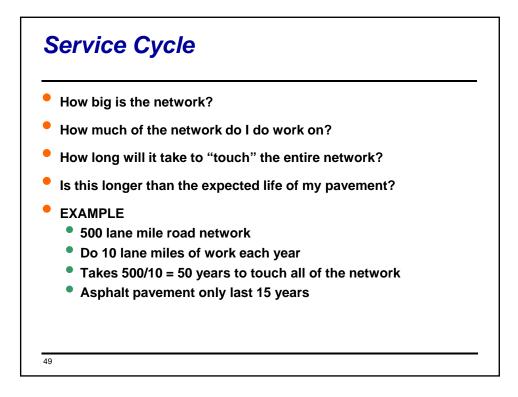


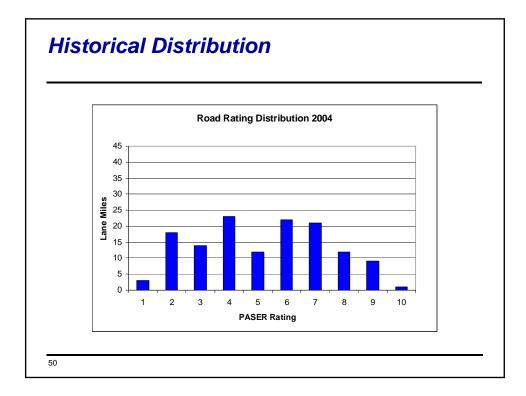
Windows of Opportunity PASER Rating System

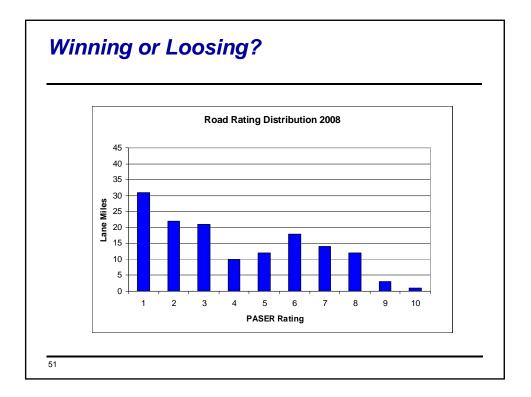
Rating 9 & 10	No maintenance required		
Rating 8	Little or no maintenance		
Rating 7	Routine maintenance, cracksealing and minor patching		
Rating 5 & 6	Preservative treatments (sealcoating)		
Rating 3 & 4	Structural improvement and leveling (overlay or recycling)		
Rating 1 & 2	ting 1 & 2 Reconstruction		

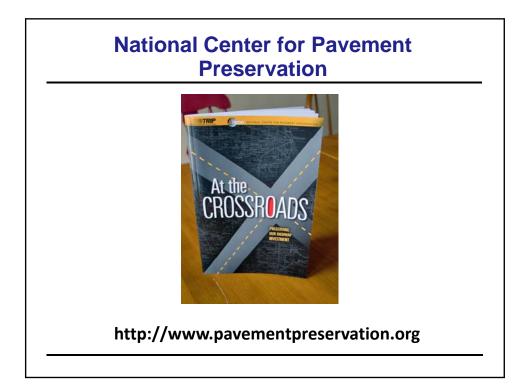


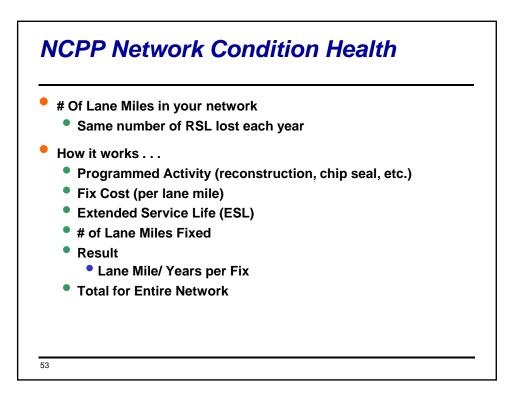












NCPP Network Condition Health MI Example—625 Lane Mile Network

Programmed Activity	Fix Cost per Lane Mile	ESL Years	# of Lane Miles of Fix	Lane Mile Years	Total Cost
Reconstruction	\$530,000	15	4	60	\$2,120,000
Rehabilitation	\$170,000	14	6	84	\$1,020,000
Mill & Overlay	\$68,000	8	5	40	\$340,000
Non Struc. OvL	\$32,000	2	7	14	\$224,000
Crack Seal	\$4,800	1	6	6	\$28,800
				204	\$3,732,800

