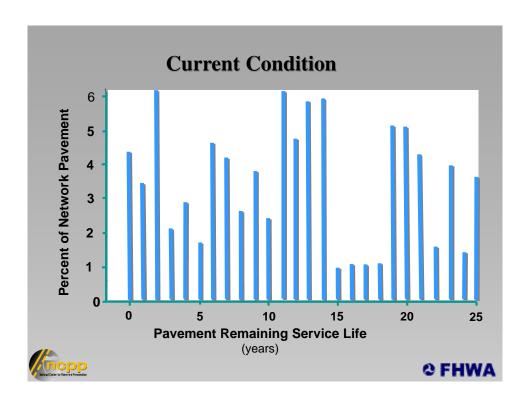
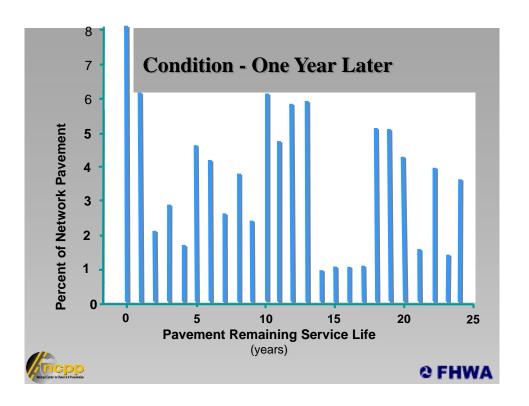


Example:

Agency Highway Network
Network Size = 4,356 lane miles







Agency Highway Network = 4,356 lane miles

Each year the network will <u>lose</u>

4,356 lane mile years



OFHWA

Reconstruction Evaluation

Project	<u>Lane</u> <u>Miles</u>	<u>Design</u> <u>Life</u>	Lane Mile Years	Lane Mile Costs	<u>Total</u> <u>Cost</u>
#1	22	25 yrs	550	\$463,425	\$10,195,350
#2	18	30 yrs	540	\$556,110	\$10,009,980
	Total	=	1,090		\$20,205,330



OFHWA

Rehabilitation Evaluation

Project	<u>Lane</u>	Design	Lane Mile	Lane Mile	<u>Total</u>
1 10,000	Miles	<u>Life</u>	<u>Years</u>	<u>Costs</u>	<u>Cost</u>
#3	22	18 yrs	396	\$263,268	\$5,791,896
#4	28	15 yrs	420	\$219,390	\$6,142,920
#5	32	12 yrs	384	\$115,848	\$3,707,136
	Total	=	1,200		\$15,641,952



OFHWA

Pavement Preservation Evaluation

Project	<u>Lane</u> <u>Miles</u>	<u>Life</u> Ext.	Lane Mile Years	Lane Mile Costs	<u>Total</u> <u>Cost</u>
#101	12	2 yrs	24	\$2,562	\$30,744
#102	22	3 yrs	66	\$7,743	\$170,346
#103	26	5 yrs	130	\$13,980	\$363,480
#104	16	7 yrs	112	\$29,750	\$476,000
#105	8	10 yrs	80	\$54,410	\$435,280
	Total	=	412		\$1,475,850



Network Trend

Required: 4,356 lane mile years

Programmed Activity	<u>Lane Mile</u> <u>Years</u>	Total Cost
Reconstruction (40 lane week)	1,090	\$20,205,330
Rehabilitation (82 lane miles)	1,200	\$15,641,952
Pavement Preservation (84 lane miles)	412	\$1,475,850
Total =	2,702	\$37,323,132



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Network Needs Summary

Network Size (needs)	4,356 (lane mile years)
Programmed Activity	2,702 (lane mile years)

Deficit = 1,654 (lane mile years)



Steps to Address Minimal Needs Required: 4,356 lane mile years e Mile **Programmed Activity** ars \$ 6.1 Reconstruction (31) 820 1,090 (40 lan Rehabilit 1,125 1,200 Paven reservation (84 lane miles) 412 2,357 2,702 **Total** = **@ FHWA**

Savings = \$	6,101	,940	Needs = 1	,999 LMY
Preservation Treatment	Life Ext	Lane Miles	Lane Mile Years	Total Cost
Concrete Reseal	4 yrs	31	124	\$979,600
Thin HMA Overlay	10 yrs	16	160	\$870,560
Micro-surfacing	7 yrs	44	308	\$1,309,000
Chip Seal	5 yrs	79	395	\$1,104,420
Crack Seal	2 yrs	506	1,012	\$1,296,372
			1,999	\$5,559,952

Revised Network Strategy

Required: 4,356 lane mile years

Programmed Activity	Lane Mile Years
Reconstruction (31 lane miles)	820
Rehabilitation (77 lane miles)	1,125
Pavement Preservation (2,083 lane miles)	2,411
Total =	4,356

Net Savings = \$ 541,988



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Quick Assessment Method

- Establishes Network Need
- Evaluates

Reconstruction
Rehabilitation

Preventive Maintenance

Incorporates

Design Life Life Extensions



	Questions?	
	Thank You!	
MICED LINES (Care by Favors or Favorson		@ FHWA

Required:	lane-mile years
Programmed Activity	<u>Lane-Mile Years</u>
Reconstruction (lane-mile X yrs)	
Rehabilitation (lane-mile X yrs)	
Pavement Preservation (lane-mile X yrs)	
Total =	