







## Definition:

<u>Pavement Preservation</u> is "a program employing a network level, long-term strategy that enhances pavement performance by using an integrated, cost-effective set of practices that extend pavement life, improve safety and meet motorist expectations."



Source: FHWA Pavement Preservation Expert Task Group



Pavement Preservation Guidelines						
	Type of Activity	Increase Capacity	Increase Strength	Reduce Aging	Restore Serviceability	
	New Construction	х	x	x	x	
	Reconstruction	х	х	x	х	
	Major (Heavy) Rehabilitation		x	x	х	
	Structural Overlay		x	x	х	
-	Minor (Light) Rehabilitation			x	х	
Pavement Preservation	Preventive Maintenance			x	Х	
	Routine Maintenance				Х	
	Corrective (Reactive) Maintenance				Х	
	Catastrophic Maintenance				х	





Surface Condition Report
🗉 Surface Condition Statewide
Print The Roads
67 Contract RS_21038 Special Project NHS No District: Vincennes
Beg Post 022 + 0.42 End Post 031 + 0.61 Length 9.19 Functional Class Bloc
Letting Date 12/14/1993 SURF TYPE A Age 12 County GREENE Number Lanes 02
DataYear IRI_I 100 RUT_I 0.13 PCR_I 80 PQI_I 74 2002 Contract Traffic 2,000
2005 IRI_D 97 RUT_D 0.05 PCR_D 80 PQI_D 77 Percent Truck Traffic 100%



























## Lets look at an example:

- Assumptions:
  - Our District Pavement budget is \$120,000,000 per year.
  - This is enough to resurface 1,200 miles per year.
  - Our Major Preservation budget is \$200,000,000 per year.



 This is enough to reconstruct/rehabilitate about 215 lane miles per year

Со	nstructio	n Only			
			Life Extension	Ln Mi per Year	Ln Mi Yrs
Activity	Budget	Cost/Ln Mi			
Resurface	\$120,000,000.00	\$100,000.00	10.0	1,200.0	12,000.0
Rehabilitation (Urban)	\$100,000,000.00	\$2,000,000.00	20.0	50.0	1,000.0
Rehabilitation (Rural)	\$100,000,000.00	\$600,000.00	20.0	166.7	3,333.3
				Total	16,333.3
			INDOT Network		27,742.0
DLAVE AND			(	Difference	-11.408.7

Nc	ow, add	a little	Mai	ntena	ance
Activity	Budget	Cost/Ln Mi	Extens ion	Year	Ln Mi Yrs
Crack Seal			2.0	4,100.0	8,200.0
Chip Seal			5.0	400.0	2,000.0
Resurface	\$120,000,000.00	\$100,000.00	10.0	1,200.0	12,000.0
Rehabilitation (Urban)	\$100,000,000.00	\$2,000,000.00	20.0	50.0	1,000.0
Rehabilitation (Rural)	\$100,000,000.00	\$600,000.00	20.0	166.7	3,333.3
				Total	26,533.3
			INDOT	Network	27,742.0
A DAY TANK	Better, falling I	but still behind	<b>→</b> (	Difference	-1,208.7

				Contraction of the		
	Ma	ybe a lit	tle mor		Ln Mi per	Ln Mi Yrs
Activity		Budget	Cost/Ln Mi	on	loui	
Crack Se	eal			2.0	4,700.0	9,400.0
Chip Seal				5.0	400.0	2,000.0
Resurface	e	\$120,000,000.00	\$100,000.00	10.0	1,200.0	12,000.0
Rehabilita (Urba	ation an)	\$100,000,000.00	\$2,000,000.00	20.0	50.0	1,000.0
Rehabilita (Rura	ation al)	\$100,000,000.00	\$600,000.00	20.0	166.7	3,333.3
	600	additional lar	ne miles			
	per j	year, or 100 p	ber		Total	27,733.3
	District.			INDOT Network		27,742.0
THE REAL PROPERTY OF THE PROPE	This seal be r	is the same ing 5 roads tl esurfaced.	as crack hat would	(	Difference	-8.7

Or	Chip Se	eal?	Life	Ln Mi per	I n Mi Vrs
Activity	Budget	Cost/Ln Mi	ion	Year	
Crack Seal			2.0	4,100.0	8,200.0
Chip Seal			5.0	640.0	3,200.0
Resurface	\$120,000,000.00	\$100,000.00	10.0	1,200.0	12,000.0
Rehabilitation (Urban)	\$100,000,000.00	\$2,000,000.00	20.0	50.0	1,000.0
Rehabilitation (Rural)	\$100,000,000.00	\$600,000.00	20.0	166.7	3,333.3
240 s per y	additional lan /ear, or 40 pe	e miles r District.		Total	27,733.3
This is the same as chip sealing 2 roads that would be resurfaced.		s chip	INDOT Network		27,742.0
		(	Difference	-8.7	















