

Indiana Department of Transportation

- Bill Tompkins: Roadway Preservation Engineer
- Todd Shields: Technical Services Manager

Pavement Preservation Initiative

1. Strategic, long term program of identifying, programming, budgeting, and completing pavement preservation projects.
2. Improve the statewide condition of INDOT's pavement network at the lowest possible cost .
3. Part of INDOT's overall Pavement Preservation Program, which includes elements of the Maintenance Work Program and District Pavement Program.



PPI Status & Highlights

1. Funding for FY 12 @ \$12 million (Contract) & estimate \$ 9 - \$10 million for in-house Seal Coat.
2. Funding increase to \$18 million (Contract) beginning in FY 13
3. Revised specifications for micro-surface & UBWC
4. Statewide treatment evaluations

Available Treatments

HMA Treatments:

1. Asphalt Crack Seal (Activity 207, crack filling)
2. Rout and Seal (Activity 209, crack sealing)
3. Seal Coat
4. Microsurface
5. QC/QA HMA Surface 4.75mm (0.75 in. thickness)
6. UBWC



Available Treatments

PCCP Treatments:

1. PCCP Patching
2. PCCP Joint Sealing
3. PCCP Profiling/Retexturing
4. PCCP Dowel Bar Retrofit



FY 11 Chip Seal Program

District	Lane Miles	Total Cost (excluding Shoulders)	Life Extension	Ln Mi Yrs	Cost/Ln Mi Yr
Crawfordsville*	114.2	\$ 941,122.49	4	456.9	\$2,059.53
Fort Wayne	228.5	\$ 1,752,094.22	4	914	\$1,916.95
Greenfield	160.4	\$ 1,630,602.71	4	641.6	\$2,541.78
LaPorte	193.2	\$ 1,528,917.20	4	772.8	\$1,978.41
Seymour *	259.0	\$ 2,583,692.95	4	1036	\$2,493.91
Vincennes *	205.3	\$ 1,656,830.75	4	821.4	\$2,017.18
Totals:	1160.7	\$ 10,093,260		4,642.64	\$2,174.03



Chip Seal Accomplishments

Fiscal Year	Lane Miles	Total Cost	Cost Per Lane Mile
2009	444	\$3,645,879.52	\$8,207.37
2010	705	\$5,457,894.29	\$7,744.77
2011	1161	\$10,093,260.32	\$8,696.14

*Total costs: Labor, Material & Equipment

* Includes Fog Seal costs

2011 average statewide cost /syd = \$1.27



INDOT Crack Seal/ Fill

Total Lane miles = 27,693.78

Crack Filling - \$777/LM in FY 11

Crack Sealing - \$809/LM in FY 11

Fiscal Year	Crack Fill – Lane Miles	Crack Seal – Lane Miles
FY 08	4283.8	548.8
FY 09	4732.0	660.2
FY 10	5249.5	661.9
FY 11	4782.6	743.1



FY 11 PPI Contract Surface Treatment

District	Actual Lane Miles	Actual Cost	Life Extension	Ln Mi Yrs	Cost/Ln Mi Yr
Crawfordsville	39.4	\$ 2,157,446.64	8	315.2	\$6,844.69
Fort Wayne	36.8	\$ 1,330,982.96	8	294.56	\$4,518.55
Greenfield	55.5	\$ 1,794,556.98	8	444.16	\$4,040.34
LaPorte	55.4	\$ 2,485,743.28	8	443.2	\$5,608.63
Seymour	55.8	\$ 2,298,935.35	8	446.4	\$5,149.94
Vincennes	53.3	\$ 2,395,736.75	8	426.56	\$5,616.41
Totals:	296.3	\$ 12,463,401.96		2370.1	\$5,258.64



PPI Surface Treatment Breakdown

Micro-surface		Average Treatment Cost/ SYS	Lane Miles	# Of Contracts
2009		\$ 3.44	84.2	6
2010		\$ 3.32	136.7	8
2011		\$ 3.09	108.5	8
2012		\$ 3.29	138.0	9 (Only 2 Let to date)



PPI Surface Treatment Breakdown

UBWC		Average Treatment Cost/ SYS	Lane Miles	# Of Contracts
2009		\$ 6.28	7.8	1
2010		\$ 7.47	43.4	2
2011		\$ 3.49	23.9	3
2012			53.2	5 (None Let)



PPI Surface Treatment Breakdown

4.75mm Thin HMA		Average Treatment Cost/ SYS	Lane Miles	# Of Contracts
2010		\$3.53	30.1	2
2011		\$ 3.47	76.8	4
2012			32.6	2 (None Let)

