



Transportation System Preservation
Technical Services Program

Pavement Preservation

Indiana Pavement Preservation

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Transportation System Preservation
Technical Services Program

Pavement Preservation

2013 Items

- Fog Seal comparison
- Seal Coat Aggregate size study



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2013 Items

- **JTRP study: Subsurface Condition Evaluation for Asphalt Pavement Preservation Treatments**



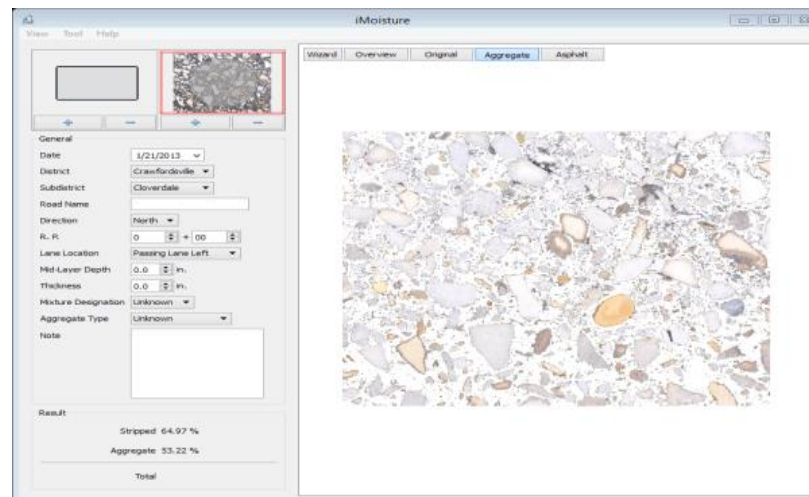
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INDOT WATER STRIPPING SEVERITY EVALUATION SOFTWARE

iMoisture

Water stripping severity evaluation software "iMoisture" was developed to aid the water stripping severity quantification. iMoisture detects uncoated aggregates and quantifies the area in a sample after indirect tensile test by employing the digital image analysis technology.





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INDOT PAVEMENT SUBSURFACE CONDITION EVALUATION SOFTWARE

iSub

INDOT pavement subsurface condition evaluation software "iSub" was developed based on the [Guidelines of subsurface condition evaluation for pavement preservation](#) (JTRP/SPR-3507). iSub is user-friendly system which helps to follow the hierarchy of evaluation steps based on data availability. iSub uses lab test results (e.g., water stripping (%), indirect tensile strength, and air voids) and field test results (e.g., GPR or surface distress) as inputs and calculates subsurface condition scores in terms of asphalt layers that can be used as its severity, extent, and distribution. Using those information and the guidelines, applicability of pavement preservation treatment can be determined.



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2013 Items

- JTRP Crack Seal/Fill Study



TSP-2

AASHTO

THE VOICE OF TRANSPORTATION

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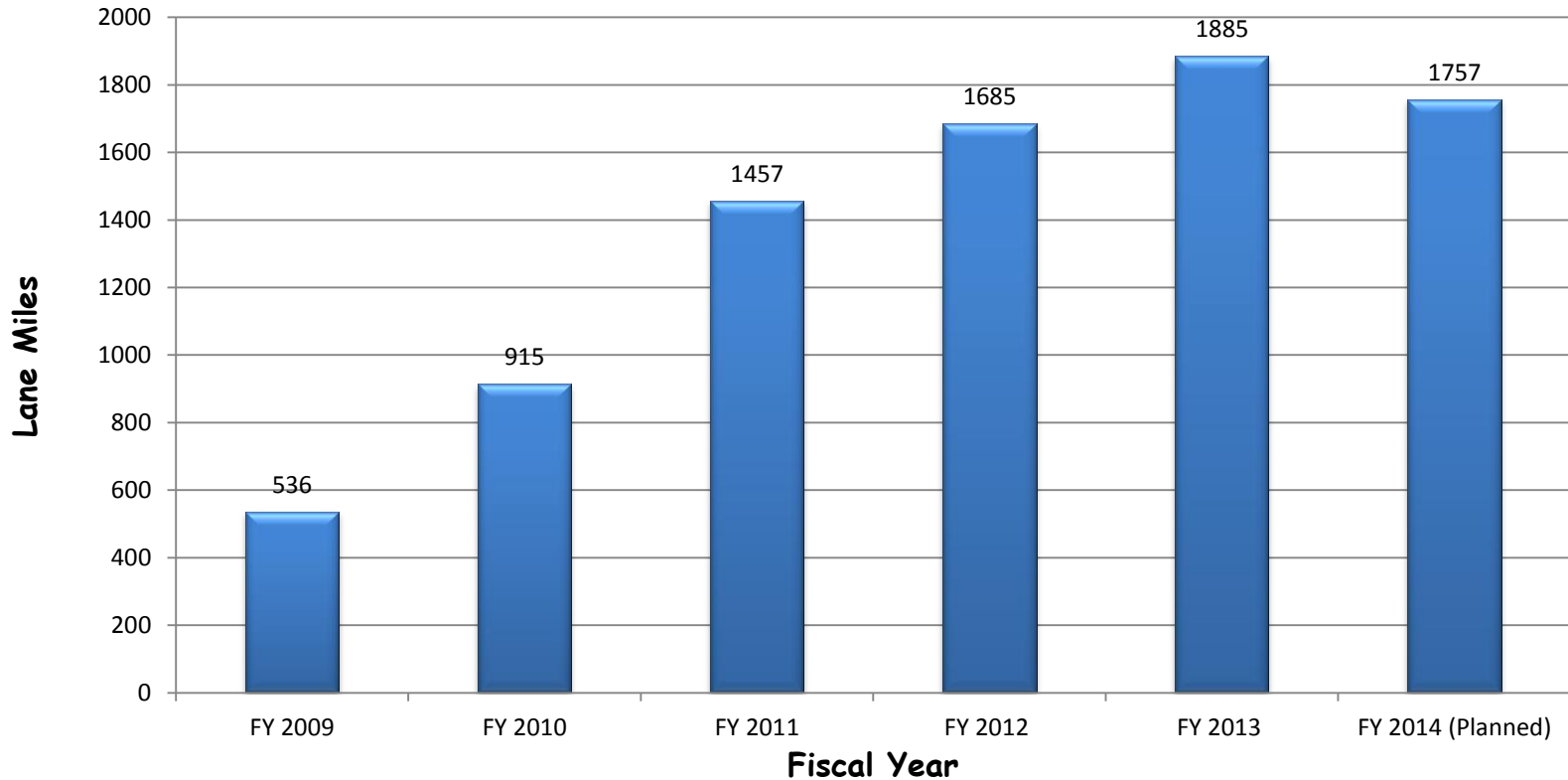




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Pavement Preservation Initiative Accomplishments





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Breakdown of PP Projects FY 2013

Contract Treatments									
Type	# of Projects	Lane Miles	Project Cost (Millions)						
Microsurface (3 Year Warranty)	5	99	4.3						
UBWC (3 Year Warranty)	12	176	8.5						
CPR	2	83	4.8						
Seal Coat (2 Year Warranty)	1	11	0.4						
4.75mm HMA	1	2	0.26						
Totals	21	371	18.26						
INDOT Maintenance									
Type	# of Projects	Lane Miles	Project Cost (Millions)						
Seal Coat	132	1514	13.7	**Labor, Equipment & Materials (also includes fog seal costs)					



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Questions For Attendees?

1. Does anyone have any experience with hot asphalt seal coat treatments?
2. Procedures/ time constraints before allowing traffic on fresh Seal Coat application?
3. Crack sealing for Microsurface, UBWC or any pavement preservation asphalt pavement treatment. Do you grout the cracks?
4. Who is doing Scrub Seals? Equipment? Materials?