



Driving Indiana's Economic Growth

## 2007 PURDUE ROAD SCHOOL

### **RESEARCH DOES NOT MAKE THE PAVEMENT ... IT MAKES THE PAVEMENT BETTER**

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2007 PURDUE ROAD SCHOOL

**ASPHALT PAVEMENT  
FOR LOCAL  
GOVERNMENTS  
&  
RESEARCH**





## 2007 PURDUE ROAD SCHOOL

West Street – Indianapolis

- High Traffic
  - Low % Trucks
- Original Construction – Mid 80's
- Rehab 1996
  - Mill 6 inches
  - Surface, Intermediate, Base
  - PG 76 - 22









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**S**TRATEGIC  
**H**IGHWAY  
**R**ESEARCH  
**P**ROGRAM



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**SUPERPAVE**

**S**UPerior **P**ERforming Asphalt  
**P**AVEments





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National Center For Asphalt Technology  
(NCAT) Test Track

Phase 1 – Stability Study

Phase 2 – Structural Study (MEPDG)

5-7-9

Phase 3 – Constructability Study



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Additional Test Track  
Experiments  
SMA  
2 Lay Paver  
Porous Friction Surface  
IRI



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NCAT Publications

- Warm Mix Asphalt
- Test Track
- 4.75 mm SMA
- Longitudinal Joint Construction Technique





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### JTRP

- Evaluation of Pavement Surface Friction Treatments
- Evaluation of Recycled Asphalt Pavement for Surface Mixtures
- Investigation of the Performance of Neat and Modified Asphalt Binders



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### SUPERPAVE CENTER

- Porous Asphalt
- Recycled Asphalt Pavement for Surface Mixtures
- Properties of RAP mixtures
- Quiet Pavement Systems



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### WEB SITES

- Search For
  - JTRP
  - NCAT
  - NCHRP
  - NCSC
  - Asphalt Institute



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**M**echanistic  
**E**mpirical  
**P**avement  
**D**esign  
**G**uide

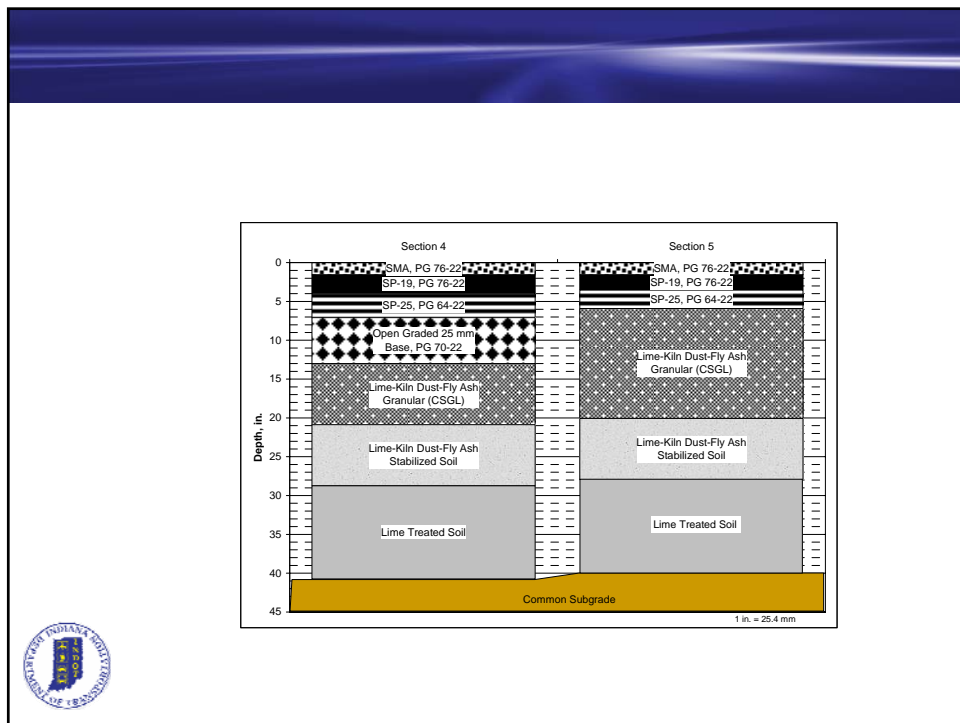
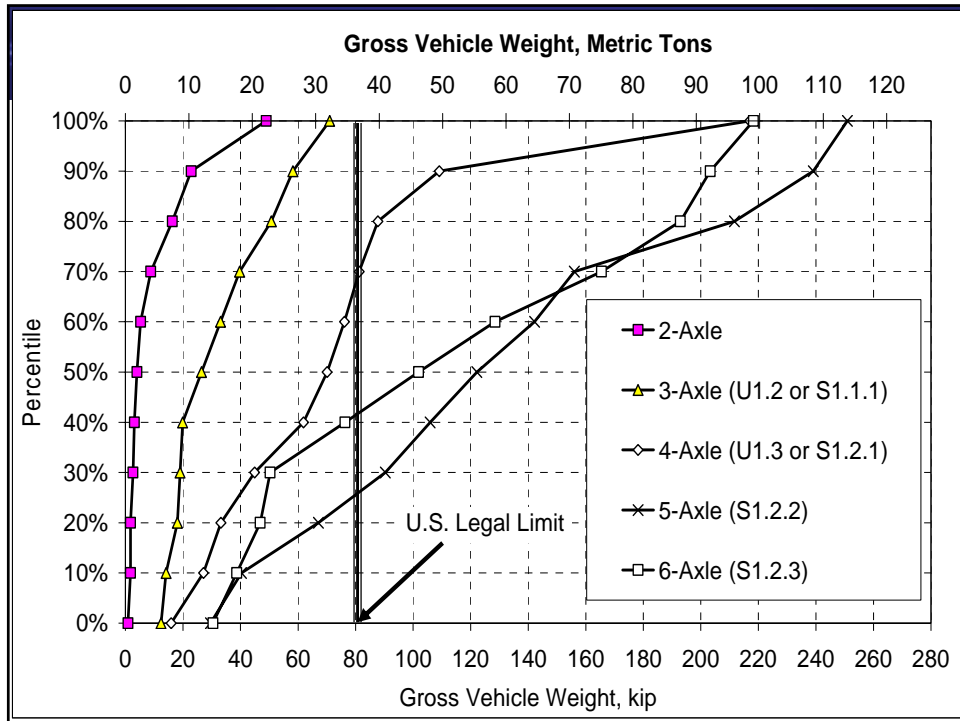


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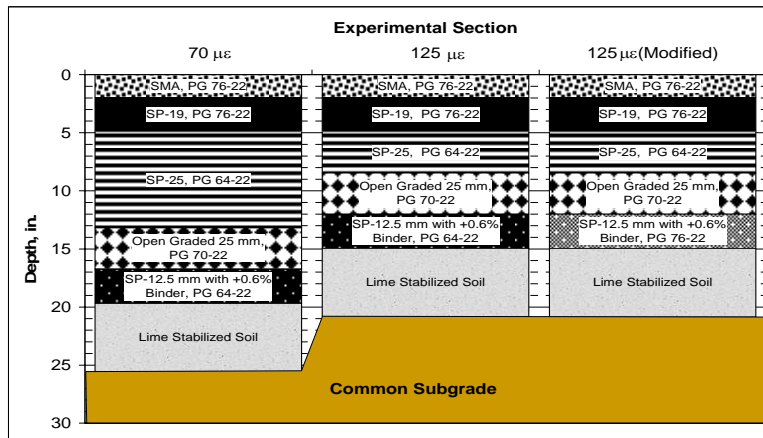
INDOT/China/NCAT/FHWA

Perpetual Pavement  
Experiment





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# THANK YOU

