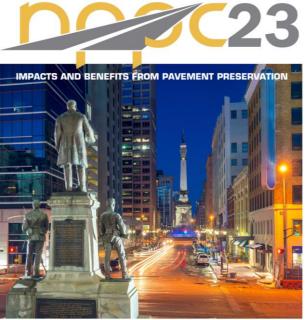
2016 NATIONAL PAVEMENT PRESErVATION CONFERENCE



Nashville - 2016

NATIONAL PAVEMENT PRESERVATION CONFERENCE



# Indianapolis - 2023

# Impacts of Local Agency Efforts in Pavement Asset Management and Preservation Nashville to Indianapolis







### Nashville – 2016

 $\overline{0}$ 

# Indianapolis - 2023





# Nashville - 2016

**INDIANA Road Funding Partial Snapshot** 

Indiana Gas Tax: \$0.18/gallon

Special Fuel Tax: \$0.16/ gallon

Motor Carrier Surtax: \$0.11/gallon

Total Gas Tax Revenue: \$566,824,109

Total Special Fuel Revenue: \$186,164,458

MVH Amount: \$804,720,377

Local Share of MVH: \$394,719,002





# Indianapolis - 2023

INDIANA Road Funding Partial Snapshot

Indiana Gas Tax: \$0.33/gallon

Special Fuel Tax: \$0.55/ gallon

Motor Carrier Surtax: \$0.00/gallon

Total Gas Tax Revenue: \$981,582,166

Total Special Fuel Revenue: \$606,497,856

MVH Amount: \$1,509,657,744

Local Share of MVH: \$572,498,325





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# WHAT DID WE DOI?





State Legislation:

Established Local Road and Bridge Matching Grant Fund (Community Crossings)

Locals Needed some "SKIN in the GAME"
 Required Pavement Asset Management Plan

Year 1: State Reserves; ~\$200,000,000

Years following: New Hybrid Car Fee, New Electric Car Fee, New Vehicle Registration Fee, and portion of Gas Use Tax (1.5% of 7% Sales tax)

~\$200,000,00 - \$220,000,000/ year



#### 2016-2017:

1<sup>st</sup> year of Local Road and Bridge Matching Grant Fund

PAMP's (Inventory and Condition Ratings)

Counties: 71 / 92

Cities: 100 / 120

Towns: 142 / 450

LTAP Produced from the Data: 2016 Local Needs Assessment





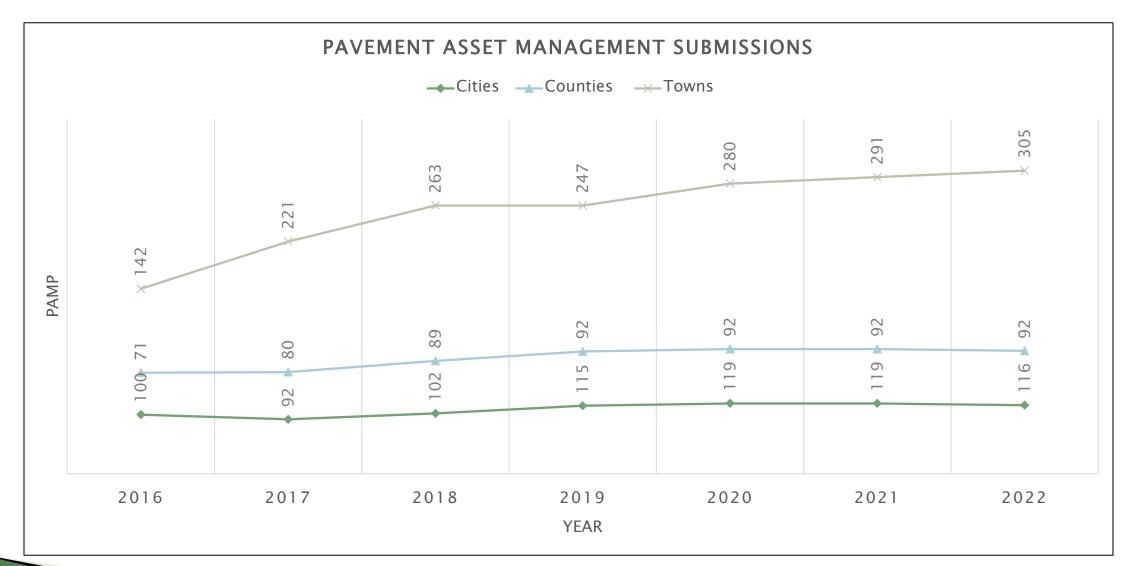
State Legislation:

- 10 cent/gal Gas Tax Increase
- 10 cent/gal Special Fuel Tax Increase
- Increase in IRP
- Eliminates sales tax on special fuel
- New requirements on how MVH to be used
  - For Locals; 50% of MVH required to be spent on Construction, Reconstruction, Preservation

\*Annually Indexed



2016 - 2022:





National Center for Pavement Preservation

#### 2016 - 2022:





#### Overall for Indiana Local Roads

Asset Management provides the framework to plan, budget, and communicate the owner's strategy and results that they are working to achieve. In effort to help communicate and provide transparency, this website provides access to the data that the Indiana LTAP has been given from the cities, towns, and counties. The data below represents the aggregated data for cities, towns, and counties to report and demonstrate the size of



#### <u>Website</u>

Pavement Preserva

LTAP and Local Agency Outreach



# Tools, Training, and Resources

Online Class: Asset Management
 PASER and Pavement Management Training
 Spreadsheet Pavement Network Tools
 GIS capabilities for Data Collection
 Infrastructure Asset Management Conference
 Pavement Preservation Training



# What is PASER??









# **PASER** – What it is NOT!

subjective

səb'jektiv/adjective

# PASER- What it is!

**Ordered State Ratings** 

- Set of criteria which describe a set of discrete, ordered states.
- Trained observer judges state and assigns rating.
- Usually most cost effective system
- Most subject to variability by rater
- Does not tell you why the distress is there



**Condition Rating – Types of Systems** 

# **Ordered State Ratings**

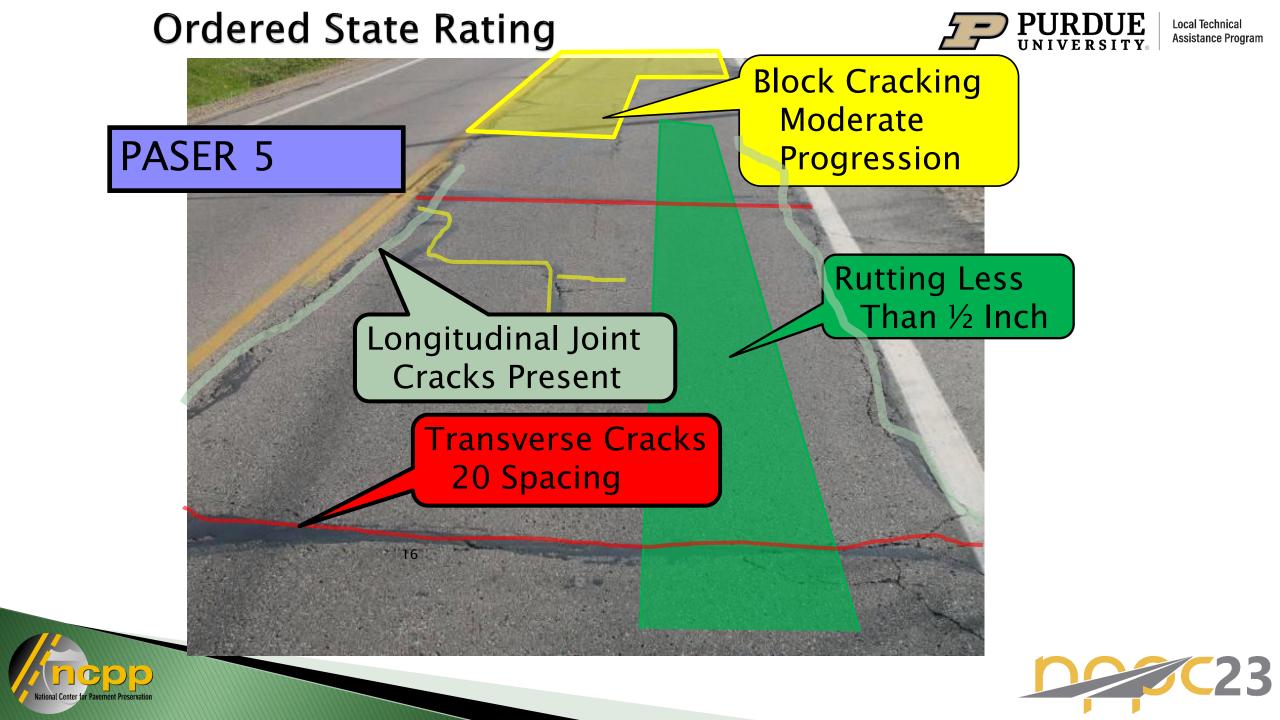
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PASER - Pavement Surface
 Evaluation and Rating
 NBI - Bridge Inspection Ratings



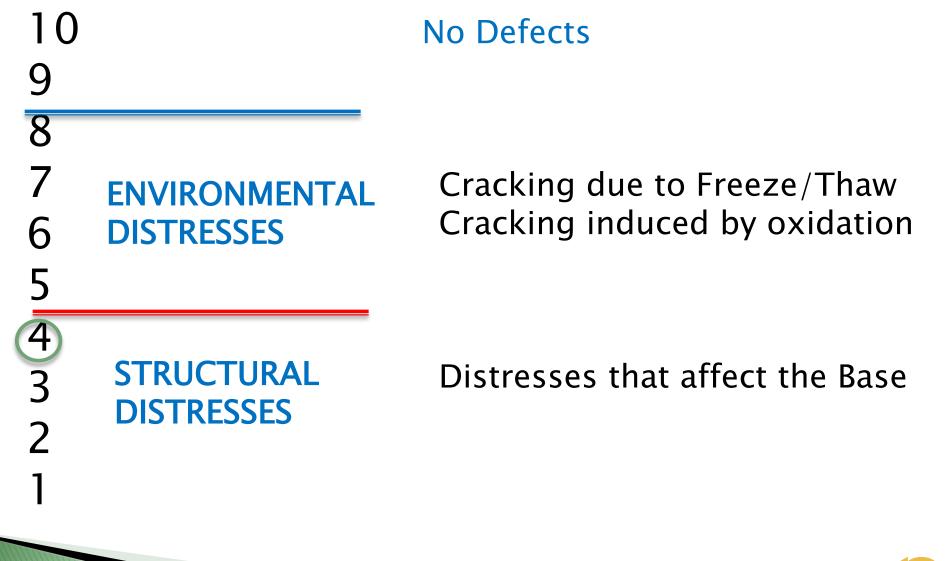








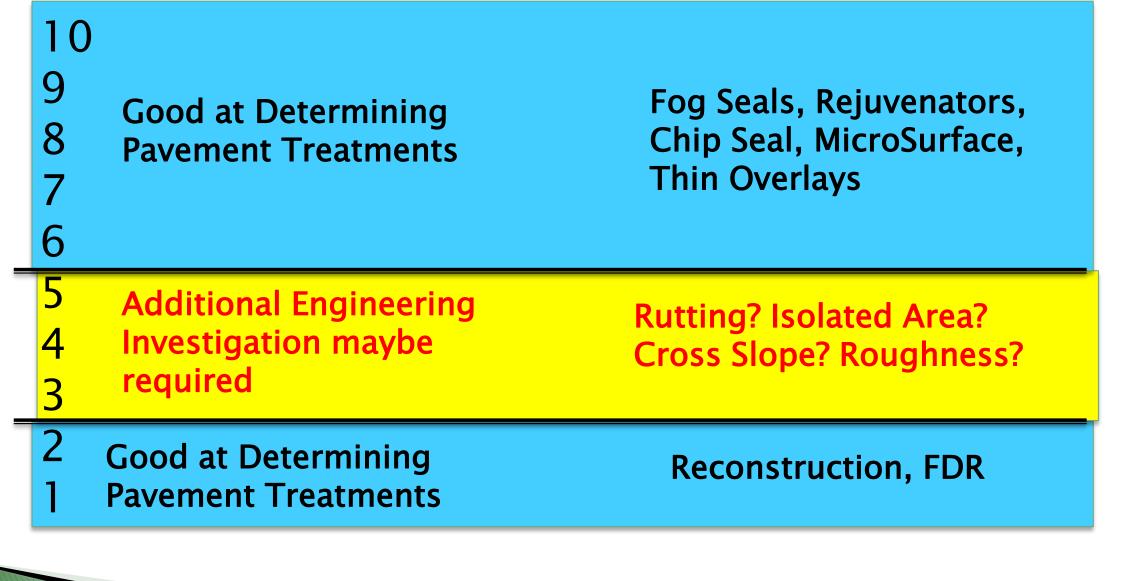








### **Project Selection**







# Environmental Distress

Structural Distress

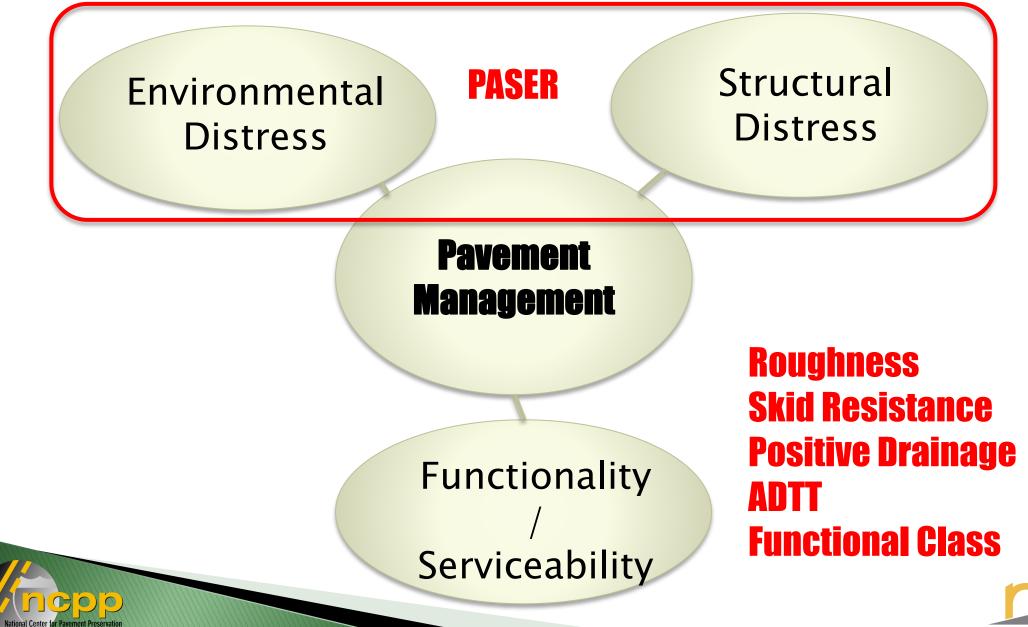
# Pavement Management

Functionality / Serviceability



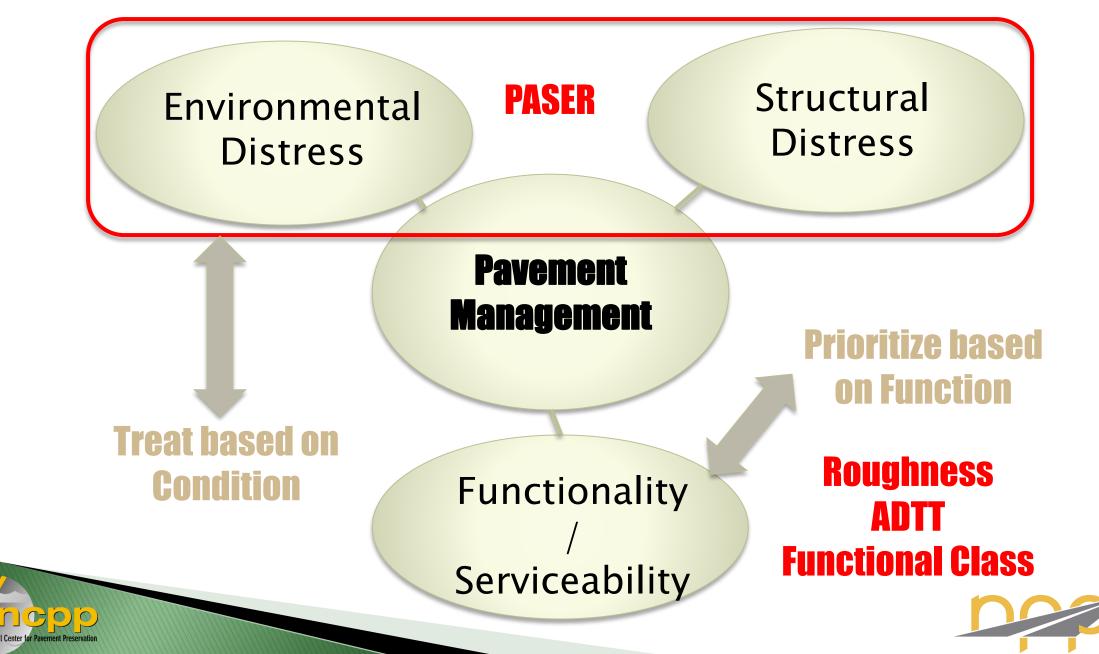














yes

# **Distresses Structural?**

8 – Transverse Cracks > 40'

no

– Transverse Cracks 10 – 40'

- 6 Transverse Cracks < 10'</li>
   First Signs of Block Cracking
  - Moderate Block Cracking
  - Edge Cracking

5

- Secondary Cracking

- 4 Wheel Line Path Cracks
  - Rutting ½" 1"
  - Severe Block Cracking
- **3** Rutting 1"–2"
  - Alligator Cracks (1<sup>st</sup> Signs)
  - Rutting > 2"
  - Alligator Cracking >25%
- 1 Extensive Distress
  - Loss of Integrity



# WE WANT TO HEAR FROM YOU

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