



Indiana LTAP

Local Government Asset Management and Pavement Preservation

Reporting Indiana Local Road Conditions

Indiana local roads are deteriorating and available funding has not kept pace

Indiana LTAP has been asked to annually report on the condition of the local road network

Local road network inventory and condition are not known

How do we rate 86,000 miles of local roadway annually?



Reporting Indiana Local Road Conditions

2009 Indiana LTAP Needs Assessment reported a \$5.3 billion shortfall and \$838 million per year thereafter for Indiana local roads

Indiana MPO council report states current funding can only support 18% of the existing road network



Improving Indiana Local Road Conditions

No defined training and education on pavement preservation, pavement management or asset management in place for locals in Indiana

- How to manage a preservation program
- New products – new methods
- Candidate selection – when to apply
- How to get started
- How to tell our story to elected officials and the public



A Quick Check of Your Highway Network Health

by Larry Galchouse, Director,
National Center for Pavement Preservation
and
Jim Sorenson, Team Leader,
FHWA Office of Asset Management

Historically, many highway agency managers and administrators have tended to view their highway systems as simply a collection of projects. By viewing the network in this manner, there is a certain comfort derived from the ability to match pavement actions with their physical/functional needs. However, by only focusing on projects, opportunities for strategically managing entire road networks and asset needs are overlooked. Although the "bottom up" approach is analytically possible, managing networks this way can be a daunting prospect. Instead, road agency administrators have tackled the network problem from the "top down" by allocating budgets and resources based on historic estimates of need. Implicit in this approach is a belief that the allocated resources will be wisely used and will prove adequate to achieve desirable network service levels.

By using a quick checkup tool, road agency managers and administrators can assess the needs of their network and other highway assets and determine the adequacy of their resource allocation effort. A quick checkup is readily available and can be usefully applied with minimum calculations.

It is essential to know whether present and planned program actions (reconstruction, rehabilitation, and preservation) will produce a net improvement in the condition of the network. However, before the effects of any planned actions to the highway network can be analyzed, some basic concepts should be considered.



Improving Indiana Local Road Conditions

Training and education resources available for Indiana LTAP

- 2009 National LTAP conference in Pittsburgh - Asset Management efforts in Michigan/Utah/New Hampshire
- 2009 Midwest Pavement Preservation Partnership Meeting – Schaumburg, IL
- Other technical resources within Purdue, FHWA, INDOT and partner associations



LYLES SCHOOL
OF CIVIL ENGINEERING



Improving Indiana Local Road Conditions

Training Timeline 2009 - 2016

- 2009 IACHES Conference pavement management training
- 2010 Purdue Road School pavement management training
- 2011 Purdue Road School asset management training
- 2012 Purdue Road School asset management training
- 2012 LTAP Asset Management/PASER Workshops, 4 locations
- 2013 LTAP Asset Management/PASER Workshops, 6 locations
- 2014 LTAP Asset Management/PASER Workshops, 6 locations
- 2015 LTAP Asset Management/PASER Workshops, 6 locations
- 2015 LTAP/NCPP Pavement Preservation workshop

Improving Indiana Local Road Conditions

Indiana LTAP Asset Management Training 2016

- Indiana LTAP/NTEA Fleet Training/Work Truck Show
- LTAP Asset Management/PASER Workshops, 14 locations
- Launch Online Asset Management/PASER training
- LTAP/NCPP Pavement Preservation workshop
- LTAP/ACPA Concrete Pavement Workshop
- LTAP/APAI Asphalt Pavement Workshop
- County Bridge Conference
- APAI Winter Conference



Improving Indiana Local Road Conditions

Indiana LTAP Asset Management Training

- LTAP Road Scholar Course Asset Management **New**
- LTAP Asset Management/PASER Workshops **New**
- Indiana LTAP/NTEA Fleet Training/Work Truck Show
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- LTAP/ACPA Concrete Pavement Workshop
- LTAP/APAI Asphalt Pavement Workshop
- PASER Conference **New**
- County Bridge Conference
- APAI Winter Conference



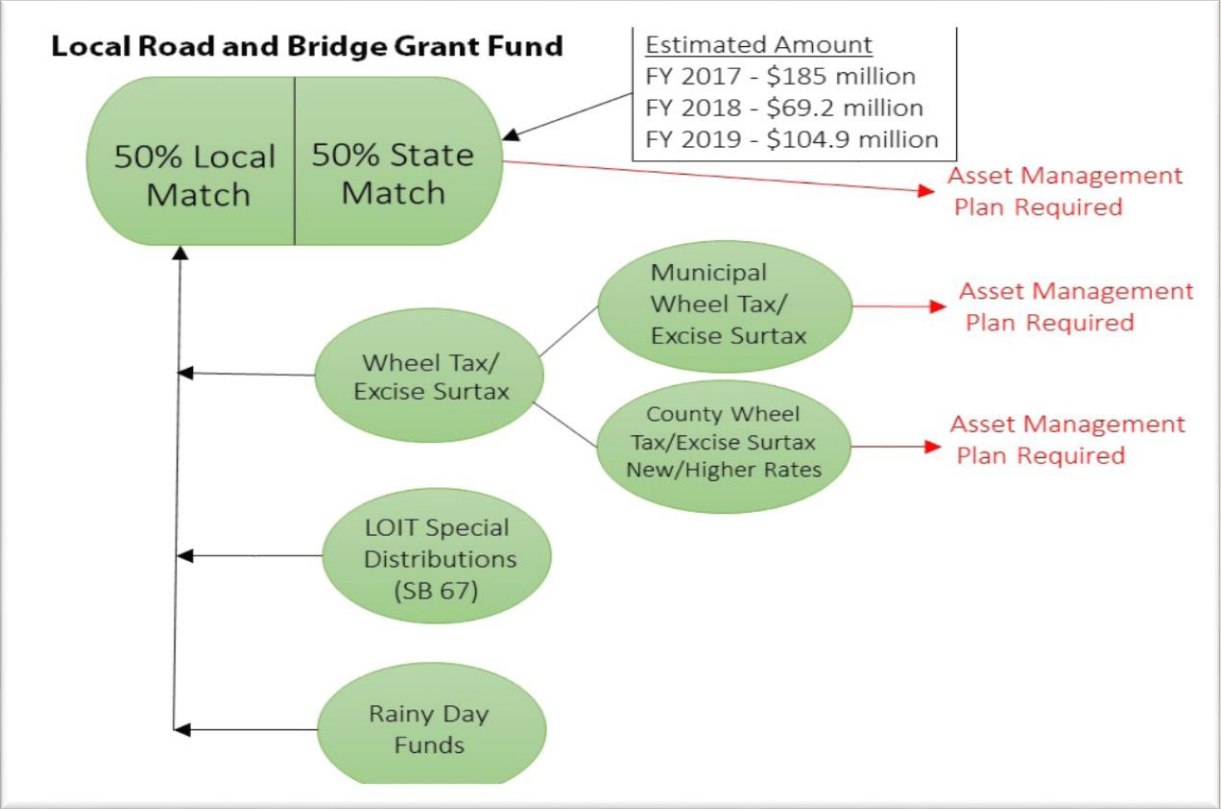
Improving Indiana Local Road Conditions

Local Road and Bridge Matching Grant Fund (Community Crossings) will be administered by INDOT and disbursed through an application process.

- It requires a local agency to have an INDOT approved Asset Management Plan in order to be able to participate.
- An “INDOT Approved” Asset Management Plan template for pavements and bridges is available through Indiana LTAP.



Improving Indiana Local Road Conditions



Improving Indiana Local Road Conditions

Community Crossings Grant Awards 2016

- Total Awarded in \$147,487,967
- Indiana Counties \$61,665,098
- Indiana Cities/Towns \$85,822,868



Estimated Grant Funding in 2017 = \$185 Million



Estimated Grant Funding in 2018 = \$70 Million

Estimated Grant Funding in 2019 = \$105 Million



Improving Indiana Local Road Conditions

What's Next?

- PASER Rating Certification course for local agencies.
- Increase online training/resources.
- Software/Applications for managing pavements.
- Expanding asset management training to other assets.



