



# 2019 Local Road & Bridge CONDITION REPORT

County / City / Town



## CONTACT INDIANA LTAP

(765) 494-2164 or (800) 428-7639

[inltap@purdue.edu](mailto:inltap@purdue.edu)

[www.purdue.edu/inltap](http://www.purdue.edu/inltap)



## INTRODUCTION

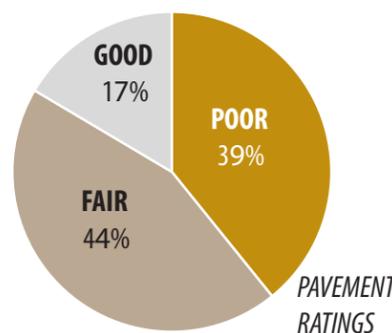
During 2018-2019, Indiana local agencies condition-rated their road and bridge assets. This publication summarizes condition ratings by agency type: County, City, or Town. Local bridges are managed by counties, so their conditions are in that section. Road segments rated by the PASER (Pavement Surface Evaluation and Rating) and PCI (Pavement Condition Index) systems are summarized by agency type. PASER ratings 1-4 are considered poor, 5-7 are fair, and 8-10 are good.

City and Town pavement ratings have similar percentages in the three categories; 26% to 30% poor, 47% to 52% fair, and 22% to 23% good. Whereas for counties the percentages are: 39% poor, 44% fair, and 17% good.

All 13,185 local bridges are inspected and rated every two years. Inspection data is recorded in the National Bridge Inventory (NBI) and used to determine condition. Based on Federal Highway bridge condition guidelines, Indiana local bridges are rated 6% poor, 53% fair, and 41% good. A more detailed analysis shows there are 1,008 structurally deficient bridges, 2,143 that are functionally obsolete, and 1,458 whose load carrying capacity is reduced.



## COUNTY CONDITION REPORT



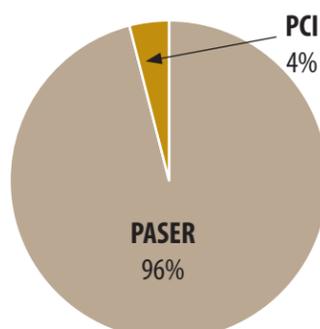
### INVENTORY

Since 2016, pavement inventory data and condition ratings have been received from all 91 counties (Marion County is included with Indianapolis). A breakdown of streets by pavement surface type is shown in the table.

### RATING SUMMARY

Approximately 96% of these pavements were rated using the PASER system and the other 4% using a local rating system developed by agencies or PCI.

The condition summary consists of asphalt, concrete, and chip seal roads utilizing the PASER rating system as conducted in 2017-2019. This condition summary represents 38,870 centerline miles out of the total inventory of 63,347 centerline miles in the counties.

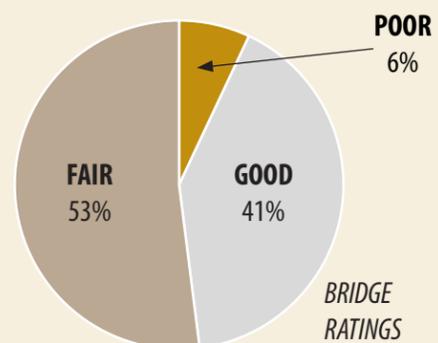


RATING METHODS

Surface Type	Percentage
ASPHALT	57%
BRICK	~ 0%
CHIP SEAL	26%
CONCRETE	< 1%
GRAVEL	16%
UNIMPROVED	< 1%

SURFACE TYPES

## COUNTY BRIDGE CONDITION REPORT



### INVENTORY

There are approximately 13,185 bridges maintained by counties that are on the National Bridge Inventory (NBI). This represents nearly 32 million square feet of bridge deck area. For a bridge to be on the NBI, it must be longer than 20 feet. Bridges are inspected on a 24-month maximum interval and the condition ratings are recorded in a state database.

The most common type of bridge is the "adjacent prestressed concrete box beam" bridge, which represents 32% of the county inventory.

### CONDITION

The "Good, Fair, Poor" rating is based on FHWA guidelines. The "Good, Fair, Poor" bridge conditions are a percent of deck area. The overall county average sufficiency rating is 82.1.

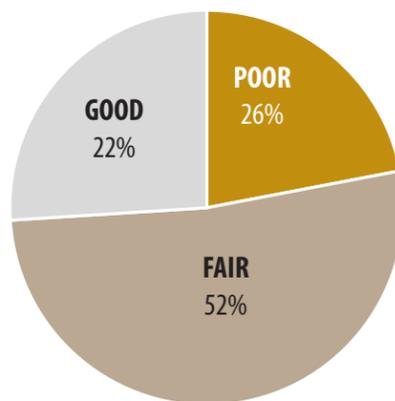
Bridge Type	Percentage
CONCRETE	26%
STEEL	22%
PRESTRESSED CONCRETE	44%
WOOD/TIMBER	6%
MASONRY	.4%
ALUMINUM, CAST IRON, WROUGHT IRON	2%

BRIDGE TYPES

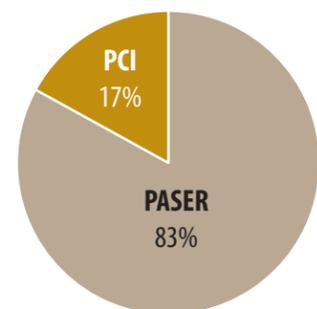
Deficient Type	Count	Percentage
STRUCTURALLY DEFICIENT	1,008	8%
FUNCTIONALLY OBSOLETE	2,143	16%
CLOSED	83	0.6%
POSTED FOR REDUCED LIVE LOAD	1,458	11%

DEFICIENT BRIDGES

## CITY CONDITION REPORT



PAVEMENT RATINGS

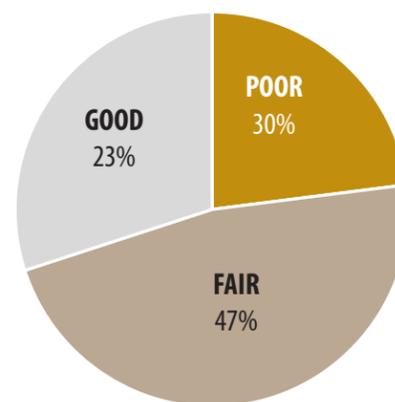


RATING METHODS

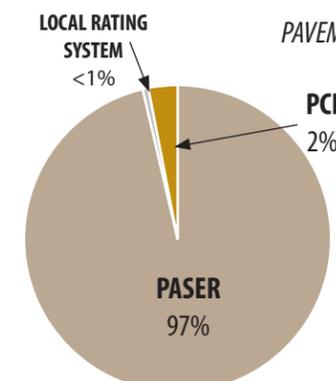
Surface Type	Percentage
ASPHALT	92%
BRICK	< 1%
CHIP SEAL	1%
CONCRETE	7%
GRAVEL	~ 0%
UNIMPROVED	~ 0%
OTHER	0%

SURFACE TYPES

## TOWN CONDITION REPORT



PAVEMENT RATINGS



RATING METHODS

Surface Type	Percentage
ASPHALT	97%
BRICK	< 1%
CHIP SEAL	< 1%
CONCRETE	1%
GRAVEL	< 1%
UNIMPROVED	~ 0%

SURFACE TYPES

### INVENTORY

Since 2016, pavement inventory data and condition ratings have been received from all 120 cities. A breakdown of streets by pavement surface type is shown in the table.

### RATING SUMMARY

Approximately 83% of these pavements were rated using the PASER system and the other 17% using PCI.

There are no true correlations between these two rating systems.

This summary is based on pavements that were rated between 2017 and 2019 using the PASER system. This condition summary consists of 10,836 centerline miles out of the total inventory of 16,328 centerline miles in the cities.

### INVENTORY

Since 2016, pavement inventory data and condition ratings have been received from 347 out of the possible 443 towns. A breakdown of streets by pavement surface type is shown in the table.

### RATING SUMMARY

Approximately 97% of these pavements were rated using the PASER system and the other 3% using a local rating system developed by agencies or PCI.

This summary is based on pavements that were rated between 2017 and 2019 using the PASER system. This condition summary consists of 4,429 centerline miles out of the total inventory of 5,128 centerline miles in the towns.

