

PAVEMENT CONDITION 2020

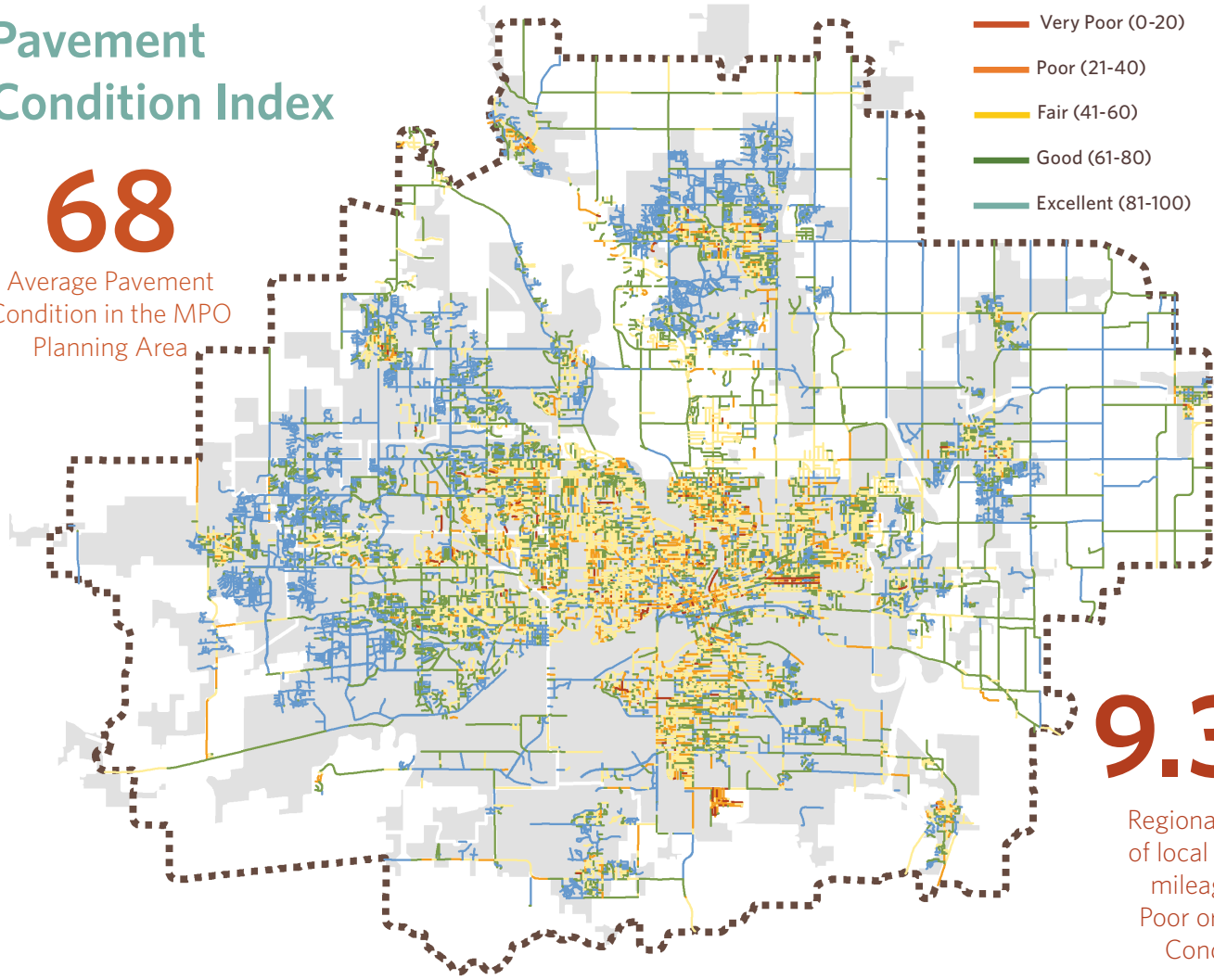
Mobilizing Tomorrow defines several performance measures to determine how well the region is achieving its goal to manage and optimize transportation infrastructure and services. One of these measures is to maintain pavement condition at base year levels. Between 2017 and 2019, the region saw a 5 percent increase in average pavement condition.

Pavement Condition Index

68

Average Pavement Condition in the MPO Planning Area

- Very Poor (0-20)
- Poor (21-40)
- Fair (41-60)
- Good (61-80)
- Excellent (81-100)



9.3%

Regionally, 9.3% of local roadway mileage is in Poor or Worse Condition

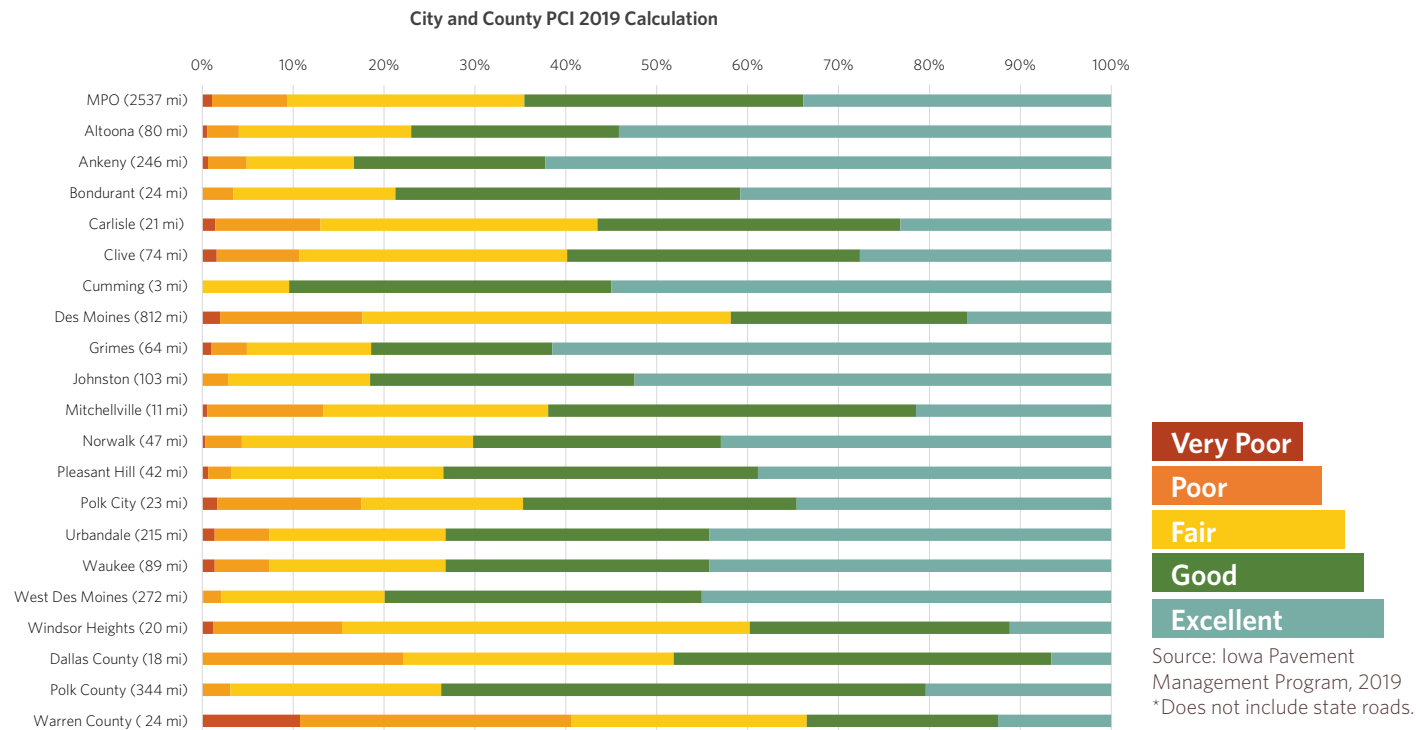
GOAL	MEASURE	DATA	2050 TARGET	GOAL	ACTUAL	TREND			
Pavement Condition Index (PCI)	Average Pavement Condition Index	2013: 70	Maintain	➔	⬇	-3%			
		2019: 68							
		2017: 65	Maintain				➔	⬆	5%
		2019: 68							
	% Roads in Poor or Worse Condition	2013: 3.4%	Maintain	➔	⬆	5.9%			
		2019: 9.3%							
		2017: 10.3%	Maintain				➔	⬇	-1.0%
		2019: 9.3%							

PAVEMENT CONDITION

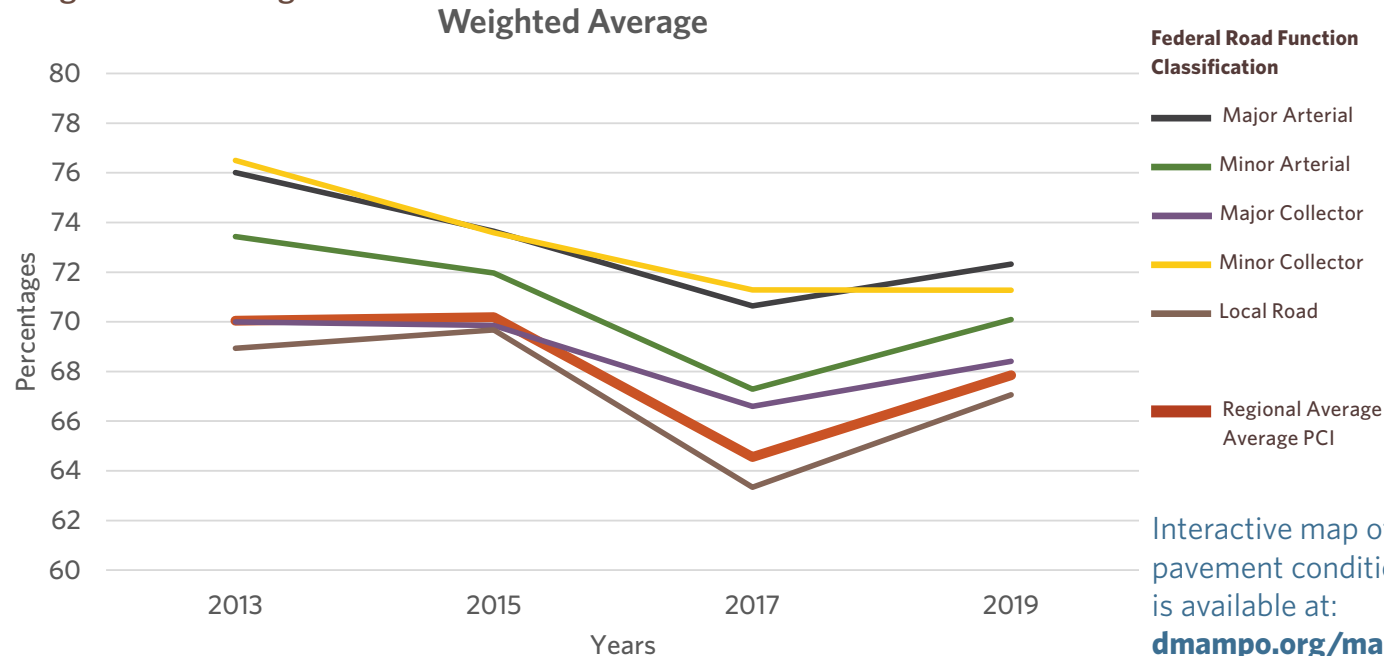
Pavement Condition Index by Percent of Total Miles

The charts below show the percent of miles of roadway by condition. On-going monitoring of pavement condition is needed for roadway maintenance planning. Because of how the data is collected, miles shown below will differ from roadway miles calculated from other sources.

2019 Pavement Condition Index:



Weighted PCI Average for MPO :



PAVEMENT CONDITION 2020

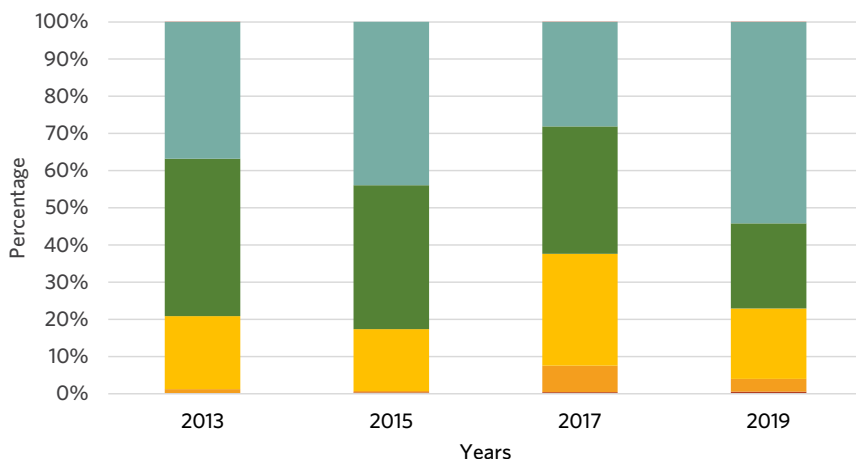
ALTOONA

The charts below represent the 2019 PCI Calculation for the City of Altoona in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of Altoona has an estimated 80 miles of roadway.

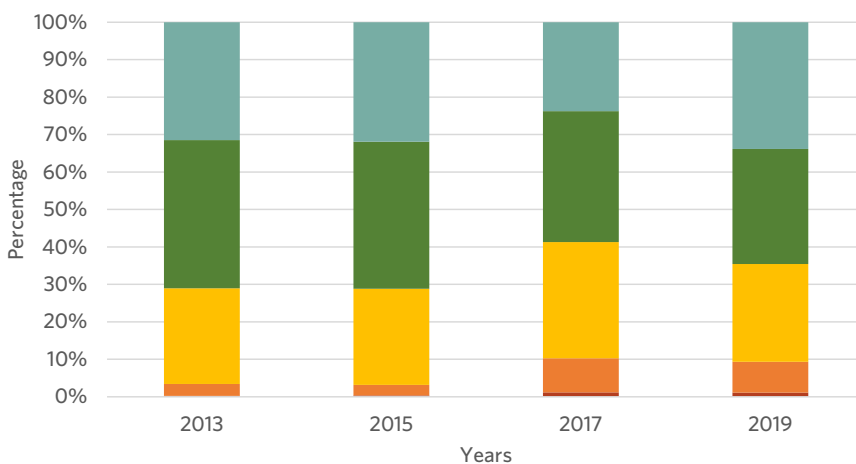
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

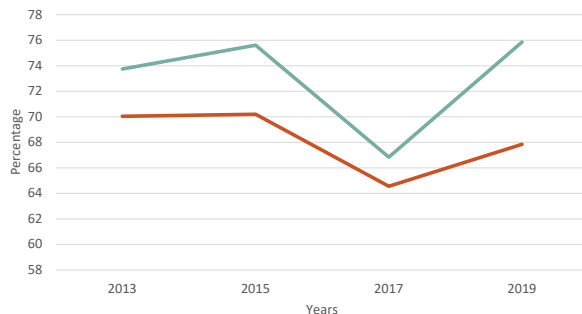
Altoona PCI



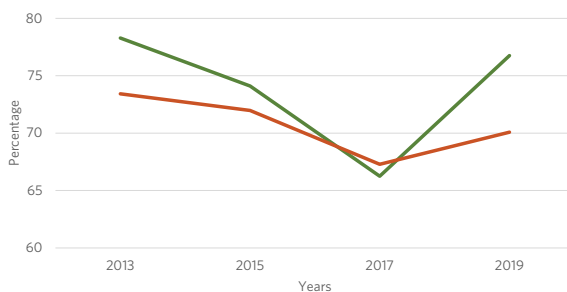
MPO Average PCI



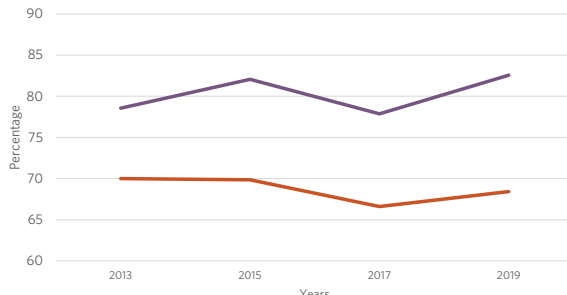
Comparison for MPO and Altoona Average PCI



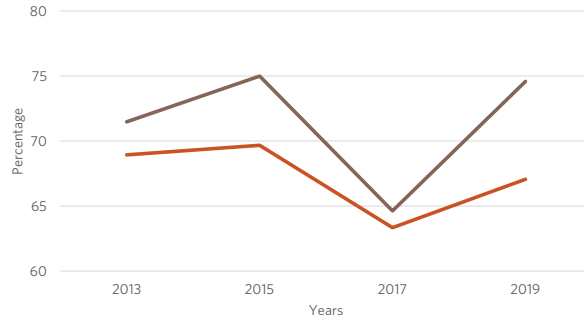
Comparison for MPO and Altoona Average PCI for Minor Arterial



Comparison for MPO and Altoona Average PCI for Major Collector



Comparison for MPO and Altoona Average PCI for Local Roads



- Local Road Altoona
- Local Road Regional Average

PAVEMENT CONDITION 2020

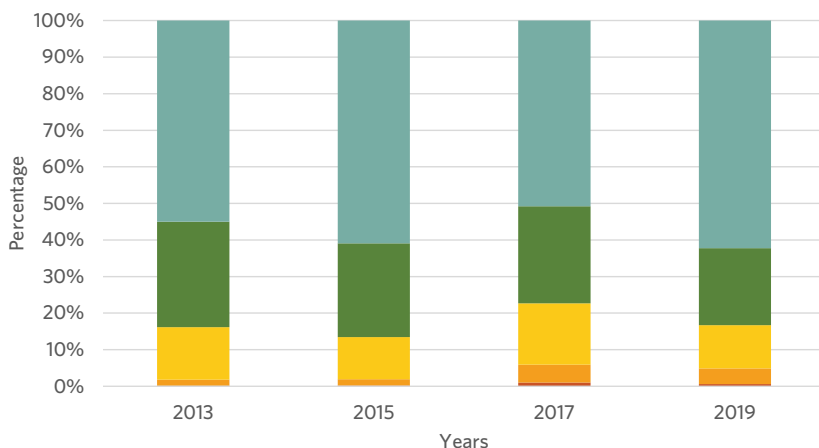
ANKENY

The charts below represent the 2019 PCI Calculation for the City of Ankeny in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of Ankeny has an estimated 246 miles of roadway.

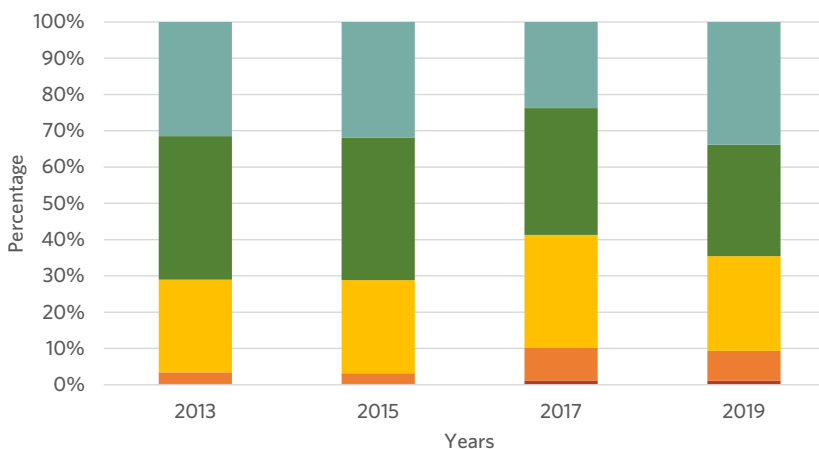
Pavement Condition Index

■ Excellent
 ■ Good
 ■ Fair
 ■ Poor
 ■ Very Poor

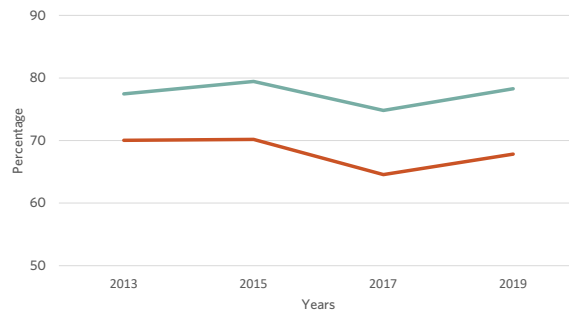
Ankeny PCI



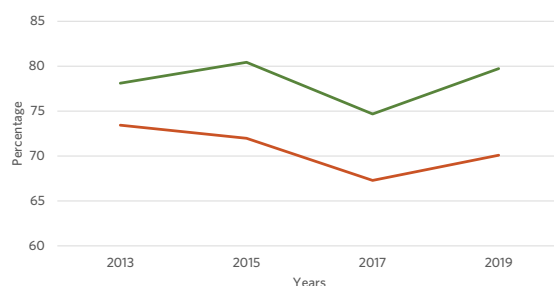
MPO Average PCI



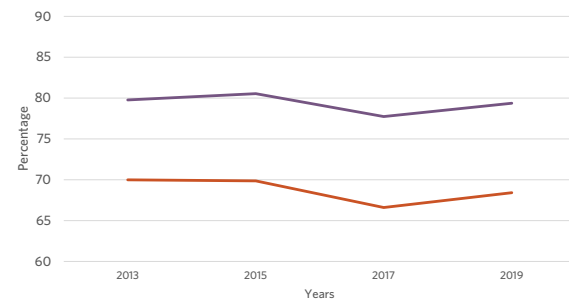
Comparison for MPO and Ankeny Average PCI



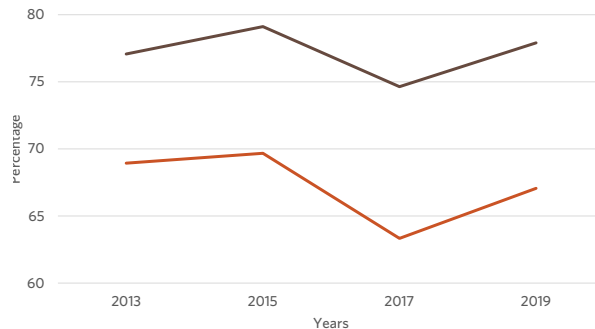
Comparison for MPO and Ankeny Average PCI for Minor Arterial



Comparison for MPO and Ankeny Average PCI for Major Collector



Comparison for MPO and Ankeny Average PCI for Local Roads



PAVEMENT CONDITION 2020

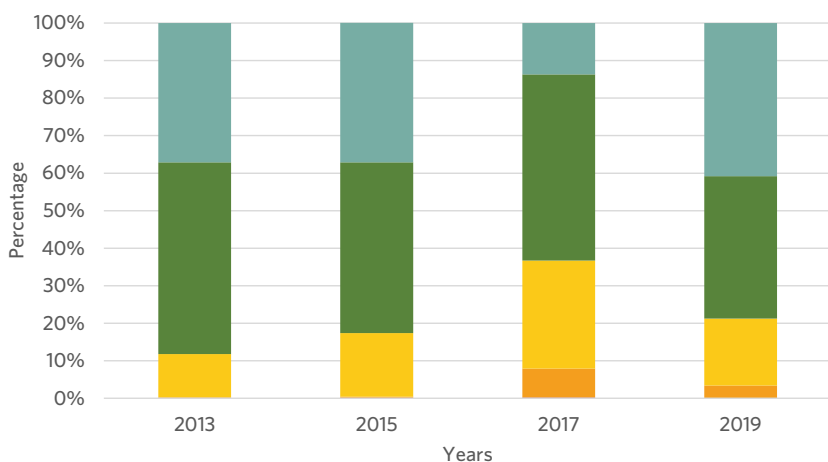
BONDURANT

The charts below represent the 2019 PCI Calculation for the City of Bondurant in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of City of Bondurant has an estimated 24 miles of roadway.

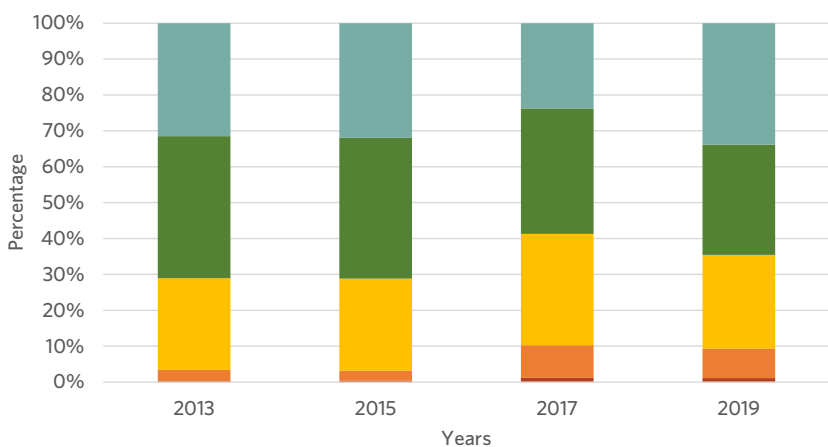
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

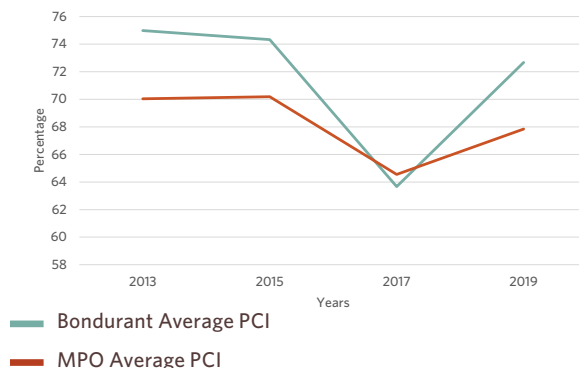
Bondurant PCI



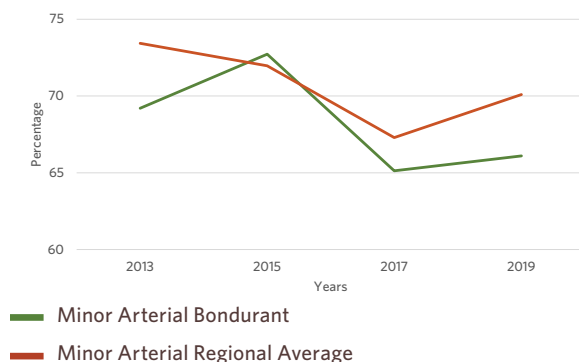
MPO Average PCI



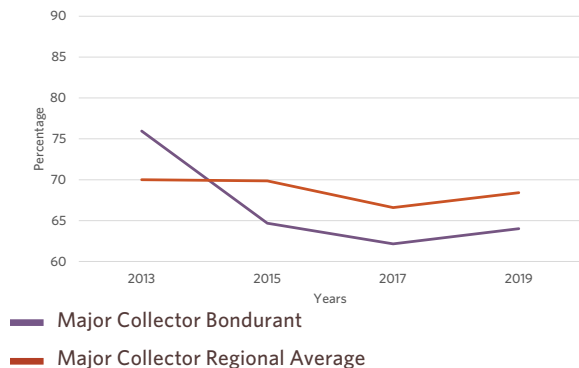
Comparison for MPO and Bondurant Average PCI



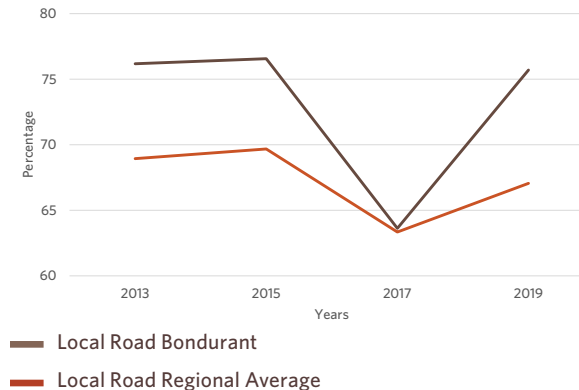
Comparison for MPO and Bondurant Average PCI for Minor Arterial



Comparison for MPO and Bondurant Average PCI for Major Collector



Comparison for MPO and Bondurant Average PCI for Local Roads



PAVEMENT CONDITION 2020

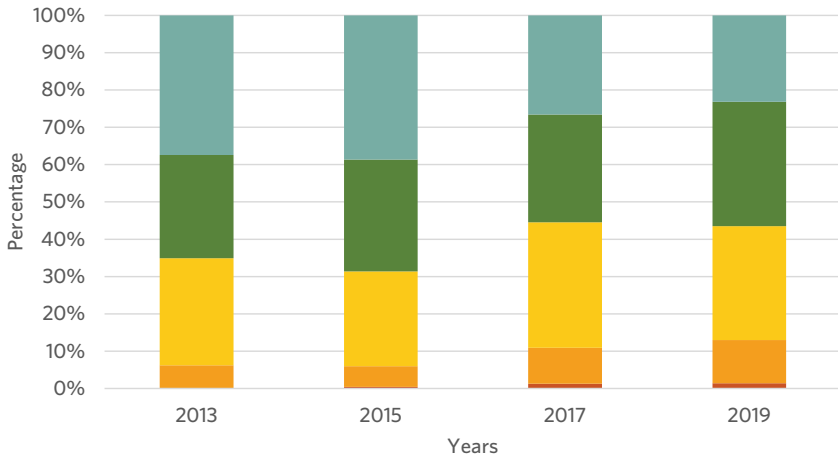
CARLISLE

The charts below represent the 2019 PCI Calculation for the City of Carlisle in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of Carlisle has an estimated 21 miles of roadway.

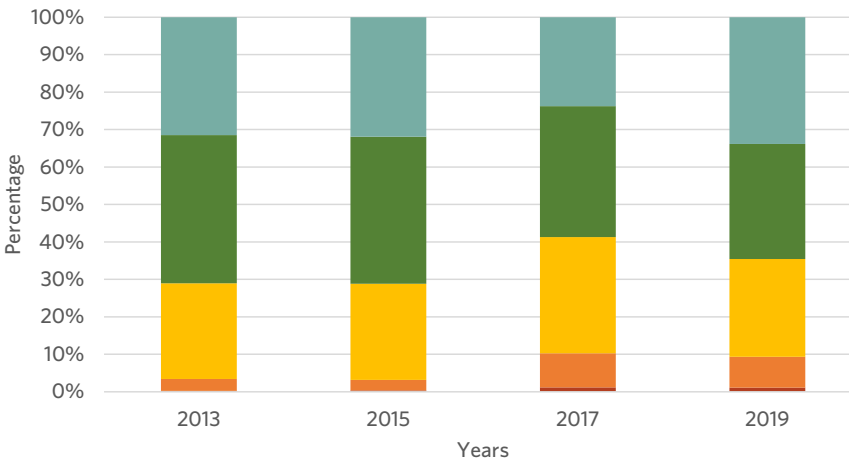
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

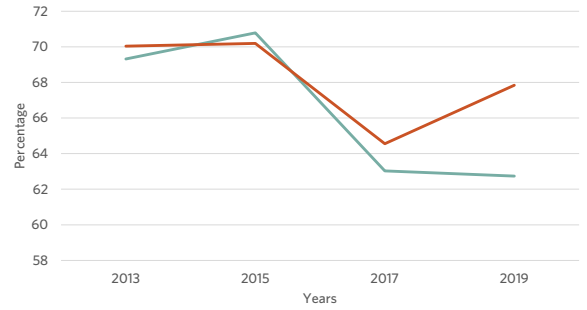
Carlisle PCI



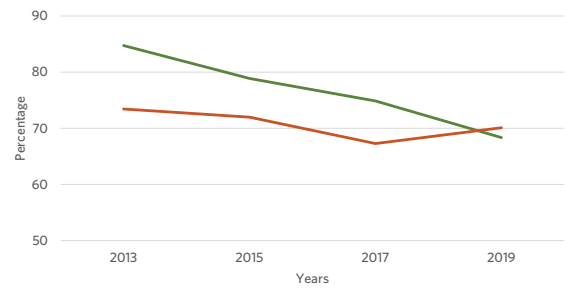
MPO Average PCI



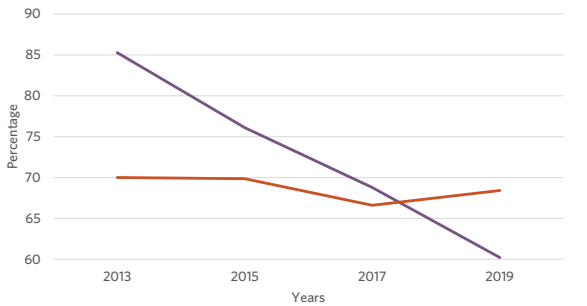
Comparison for MPO and Carlisle Average PCI



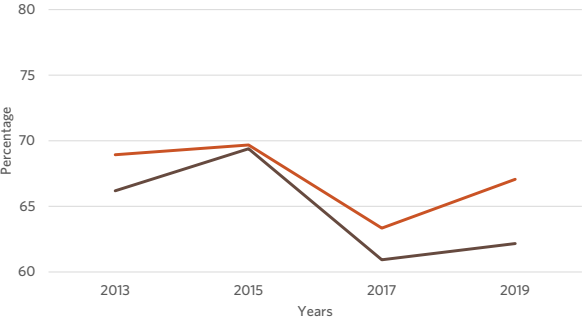
Comparison for MPO and Carlisle Average PCI for Minor Arterial



Comparison for MPO and Carlisle Average PCI for Major Collector



Comparison for MPO and Carlisle Average PCI for Local Roads



- Local Road Carlisle
- Local Road Regional Average

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CLIVE

The charts below represent the 2019 PCI Calculation for the City of Clive in comparison to the overall MPO. The compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of Clive has an estimated 74 miles of roadway.

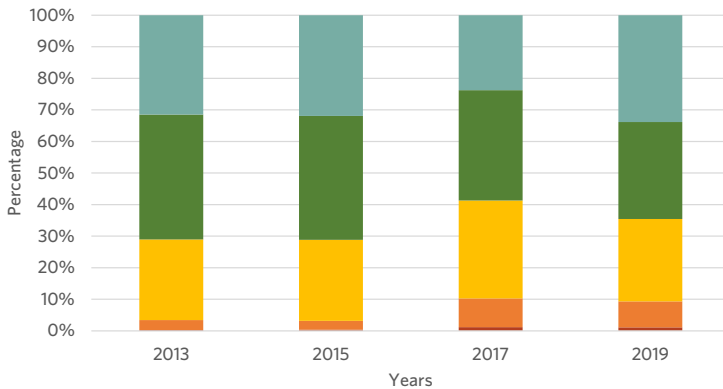
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

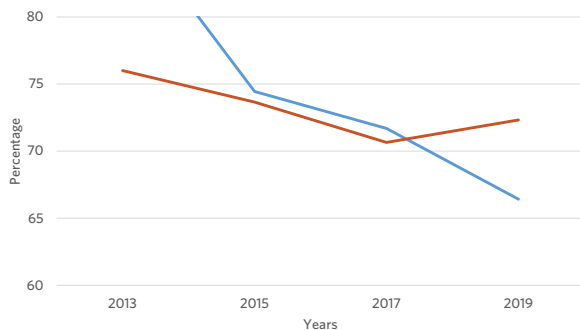
Clive PCI



MPO Average PCI

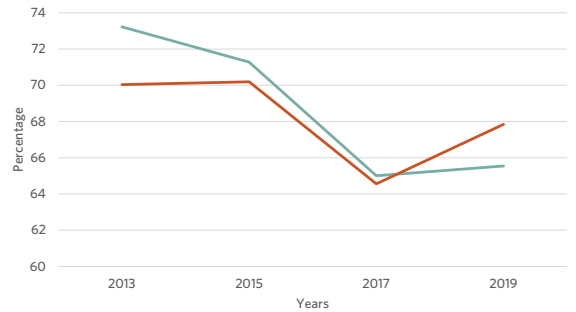


Comparison for MPO and Altoona Average PCI for Major Arterial



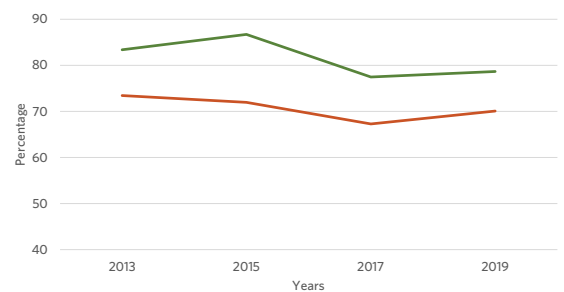
- Major Arterial Clive
- Local Road Regional Average

Comparison for MPO and Clive Average PCI



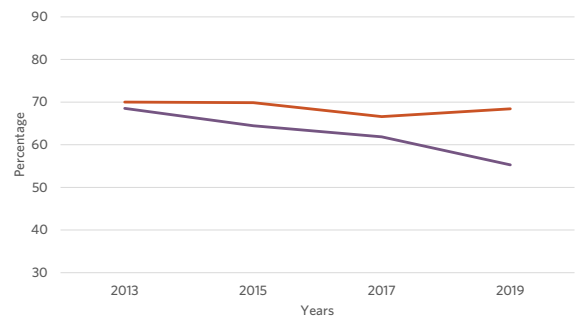
- Clive Average PCI
- MPO Average PCI

Comparison for MPO and Clive Average PCI for Minor Arterial



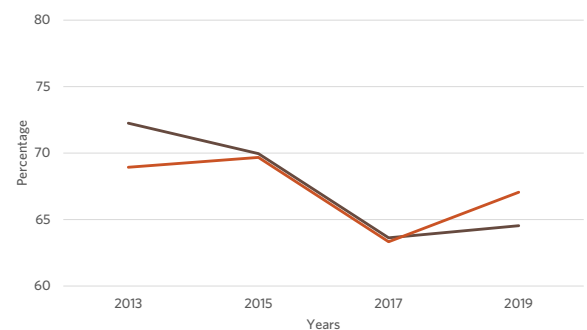
- Minor Arterial Clive
- Minor Arterial Regional Average

Comparison for MPO and Clive Average PCI for Major Collector



- Major Collector Clive
- Major Collector Regional Average

Comparison for MPO and Clive Average PCI for Local Roads



- Local Road Clive
- Local Road Regional Average

PAVEMENT CONDITION 2020

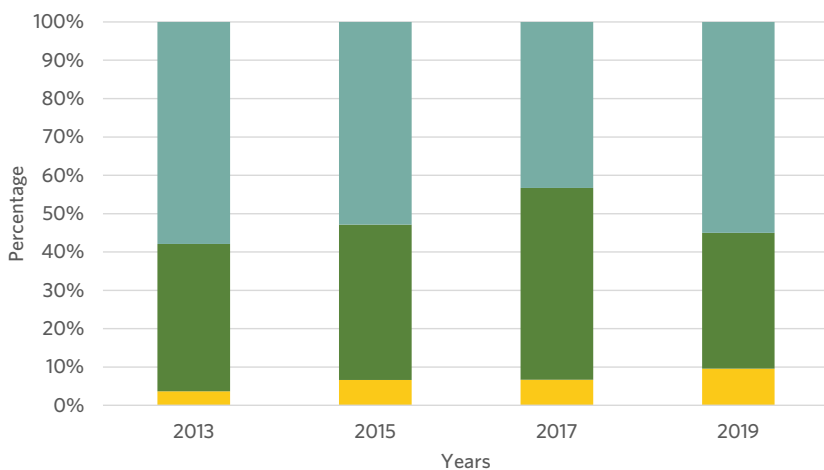
CUMMING

The charts below represent the 2019 PCI Calculation for the City of Cumming in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of Cumming has an estimated 3 miles of roadway.

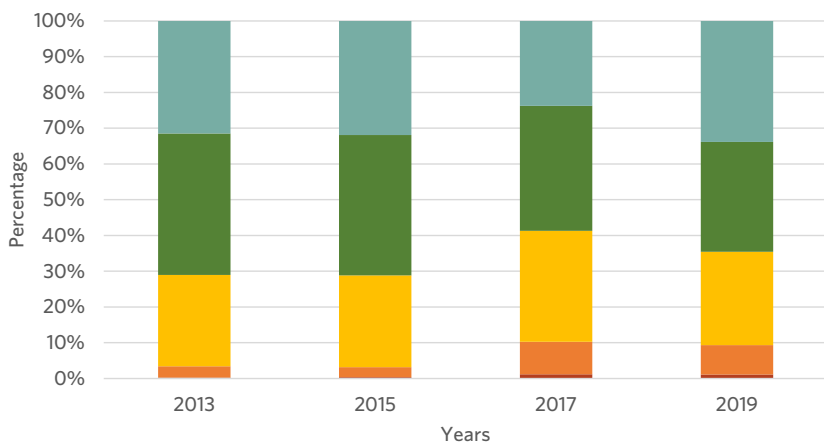
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

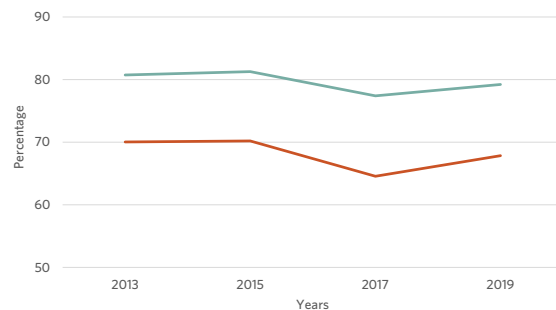
Cumming PCI



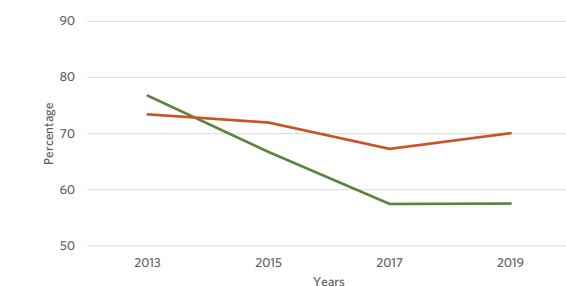
MPO Average PCI



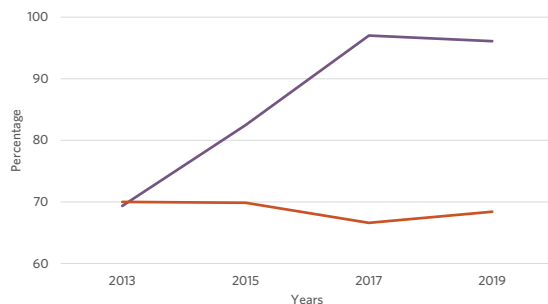
Comparison for MPO and Cumming Average PCI



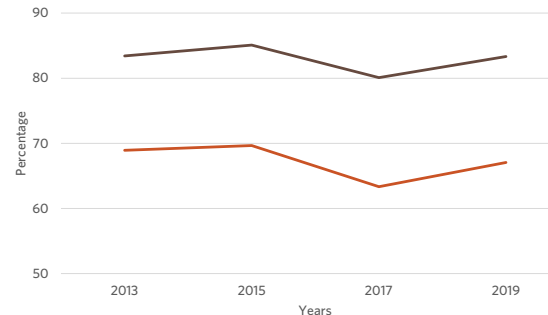
Comparison for MPO and Cumming Average PCI for Minor Arterial



Comparison for MPO and Cumming Average PCI for Major Collector



Comparison for MPO and Cumming Average PCI for Local Roads



- Local Road Cumming
- Local Road Regional Average

PAVEMENT CONDITION 2020

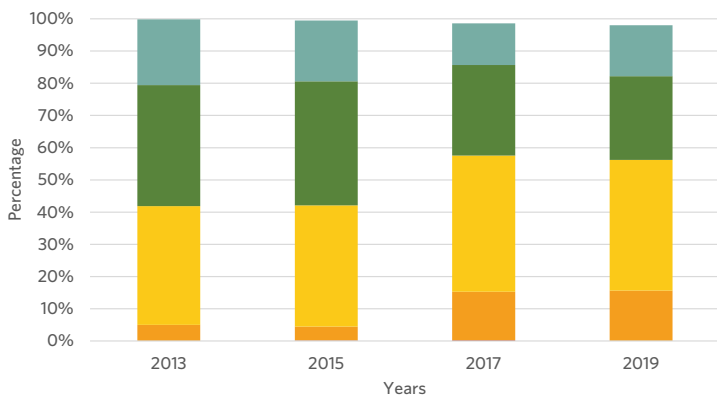
DES MOINES

The charts below represent the 2019 PCI Calculation for the City of Des Moines in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Major Arterial, Minor Arterial, Major Collector, and local roads. The City of Des Moines has an estimated 812 miles of roadway.

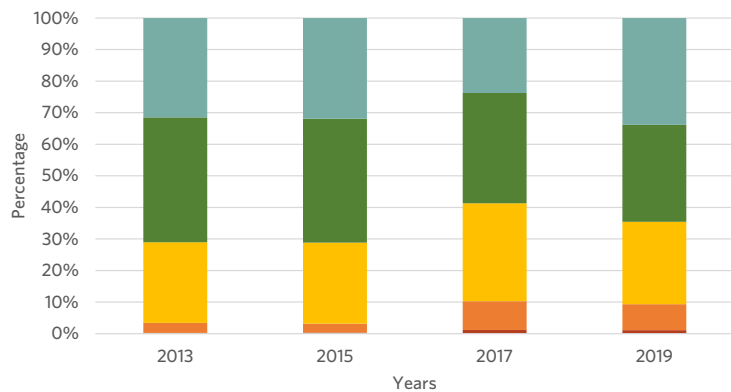
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

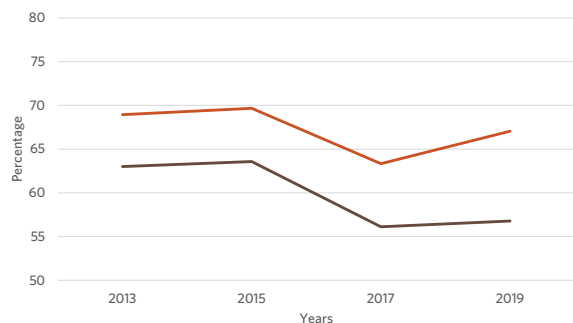
Des Moines PCI



MPO Average PCI

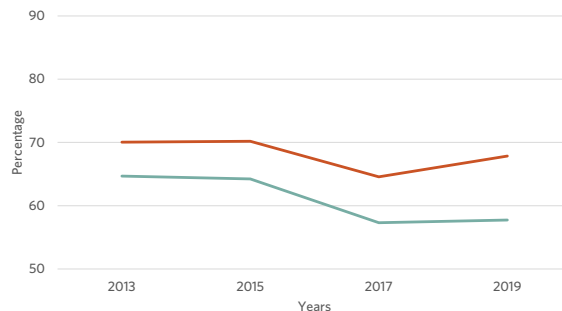


Comparison for MPO and Des Moines Average PCI for Local Roads



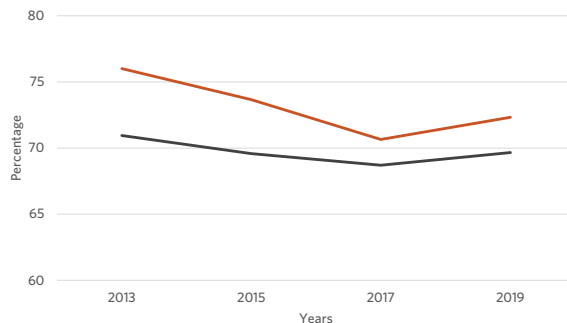
- Local Road Des Moines
- Local Road Regional Average

Comparison for MPO and Des Moines Average PCI



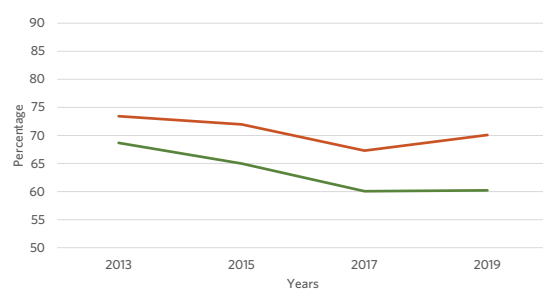
- Des Moines Average PCI
- MPO Average PCI

Comparison for MPO and Des Moines Average PCI for Major Arterial



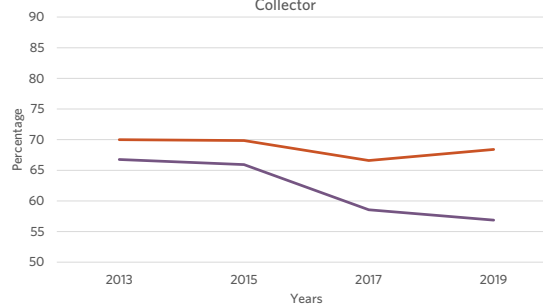
- Major Arterial Des Moines
- Local Road Regional Average

Comparison for MPO and Des Moines Average PCI for Minor Arterial



- Minor Arterial Des Moines
- Minor Arterial Regional Average

Comparison for MPO and Des Moines Average PCI for Major Collector



- Major Collector Des Moines
- Major Collector Regional Average

PAVEMENT CONDITION 2020

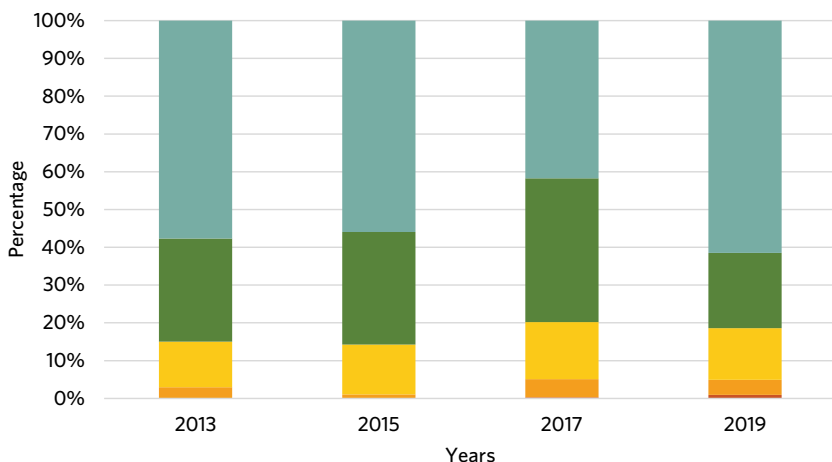
GRIMES

The charts below represent the 2019 PCI Calculation in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and Local roads. The City of Grimes has an estimated 64 miles of roadway.

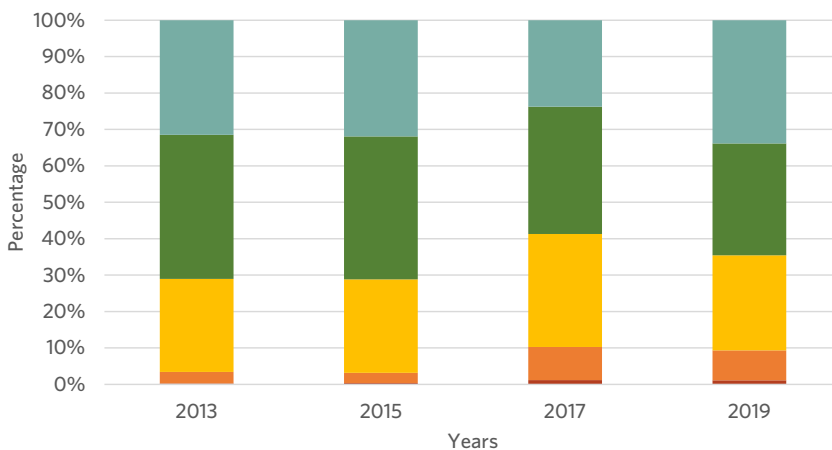
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

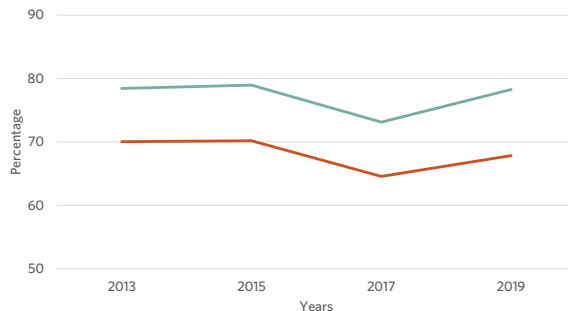
Grimes PCI



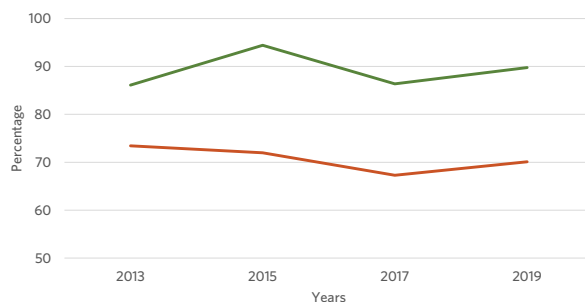
MPO Average PCI



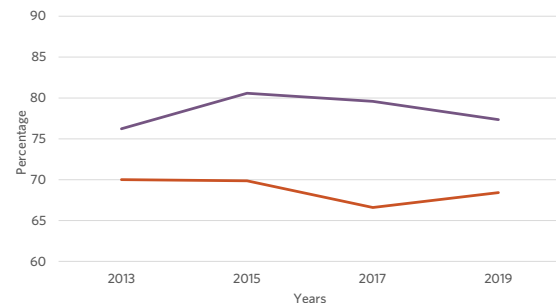
Comparison for MPO and Grimes Average PCI



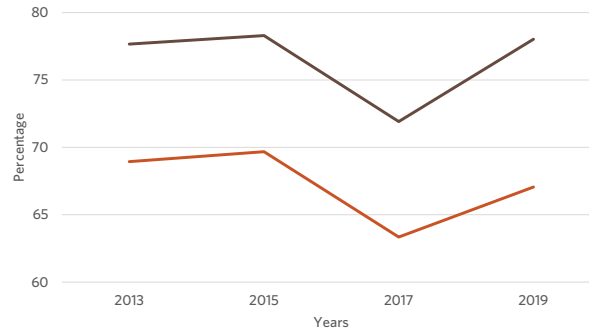
Comparison for MPO and Grimes Average PCI for Minor Arterial



Comparison for MPO and Grimes Average PCI for Major Collector



Comparison for MPO and Grimes Average PCI for Local Roads



- Local Road Grimes
- Local Road Regional Average

PAVEMENT CONDITION 2020

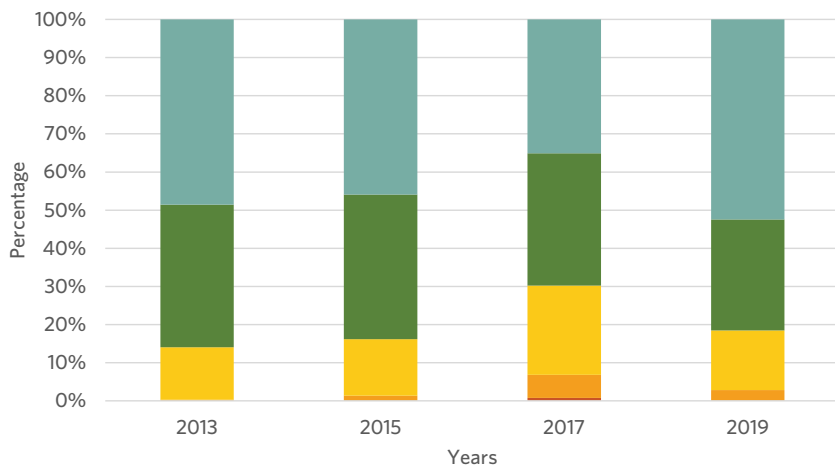
JOHNSTON

The charts below represent the 2019 PCI Calculation for the City of Johnston in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of Johnston has an estimated 103 miles of roadway.

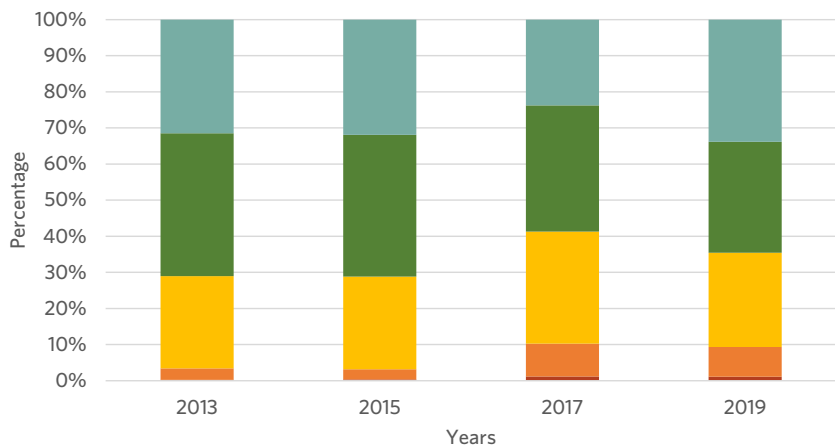
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

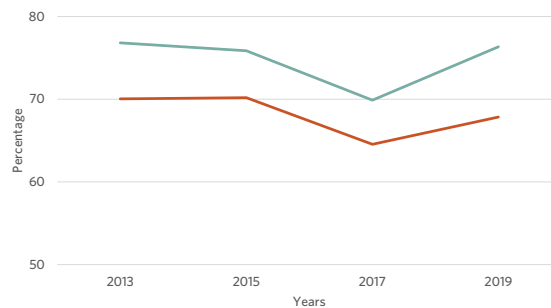
Johnston PCI



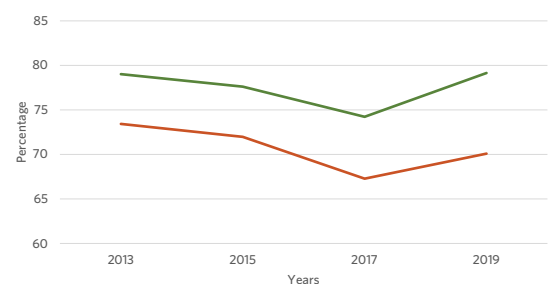
MPO Average PCI



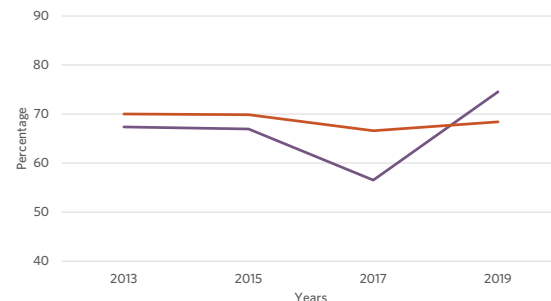
Comparison for MPO and Johnston Average PCI



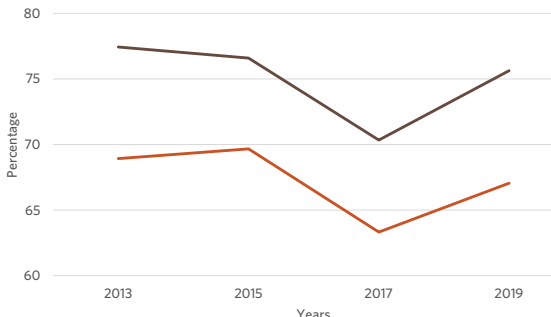
Comparison for MPO and Johnston Average PCI for Minor Arterial



Comparison for MPO and Johnston Average PCI for Major Collector



Comparison for MPO and Johnston Average PCI for Local Roads



- Local Road Johnston
- Local Road Regional Average

PAVEMENT CONDITION 2020

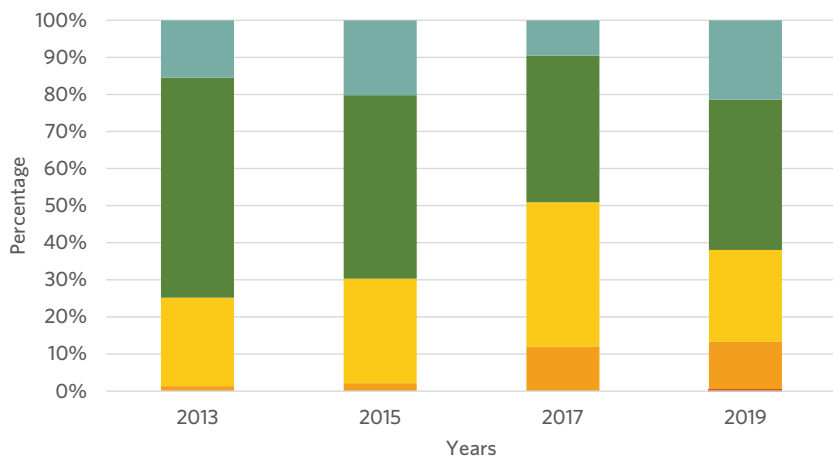
MITCHELLVILLE

The charts below represent the 2019 PCI Calculation for the City of Mitchellville in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Major Collector, Minor Collector, and local roads. The City of Mitchellville has an estimated 11 miles of roadway.

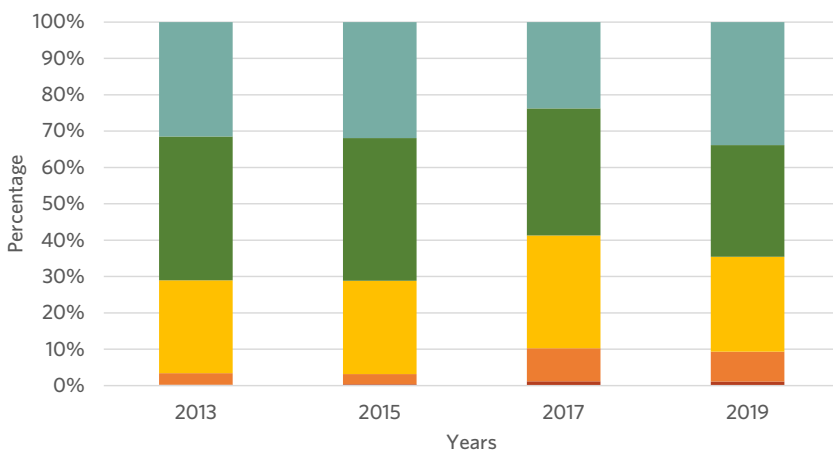
Pavement Condition Index

- Excellent
- Good
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- Poor
- Very Poor

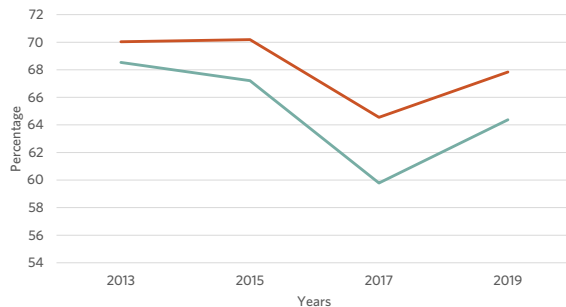
Mitchellville PCI



MPO Average PCI



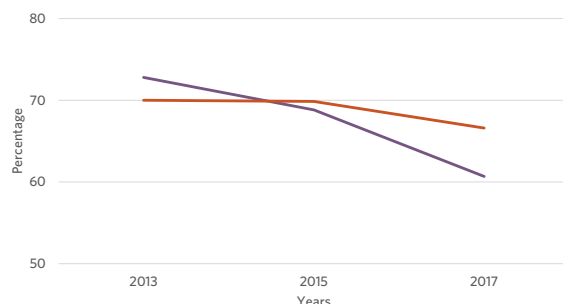
Comparison for MPO and Mitchellville Average PCI



— Mitchellville Average PCI

— MPO Average PCI

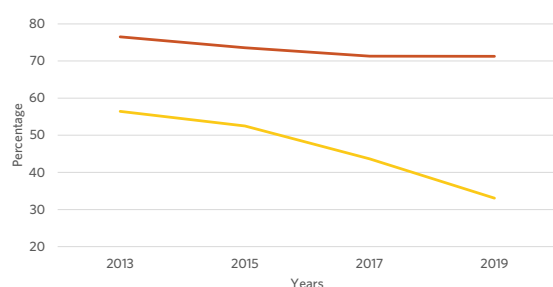
Comparison for MPO and Mitchellville Average PCI for Major Collector



— Major Collector Mitchellville

— Major Collector Regional Average

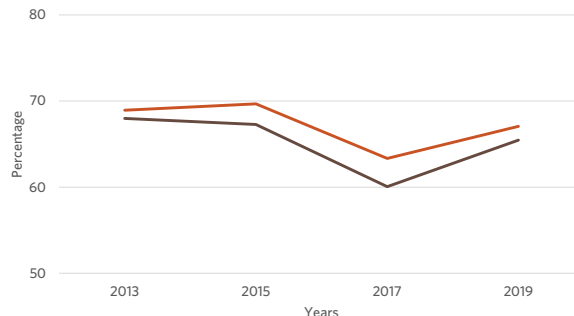
Comparison for MPO and Mitchellville Average PCI for Minor Collector



— Minor Collector Mitchellville

— Minor Collector Regional Average

Comparison for MPO and Mitchellville Average PCI for Local Roads



— Local Road Mitchellville

— Local Road Regional Average

PAVEMENT CONDITION 2020

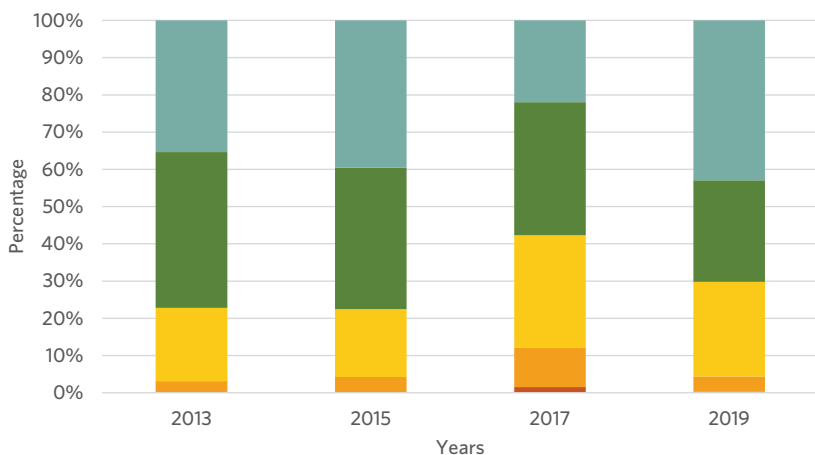
NORWALK

The charts below represent the 2019 PCI Calculation for the City of Norwalk in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of Norwalk has an estimated 47 miles of roadway.

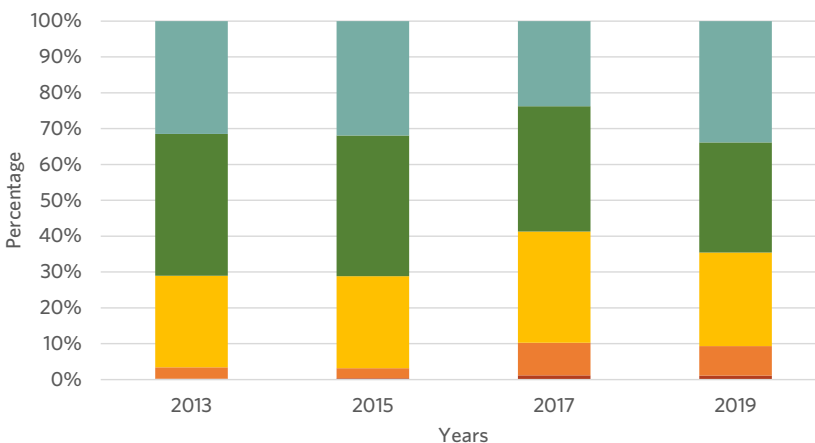
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

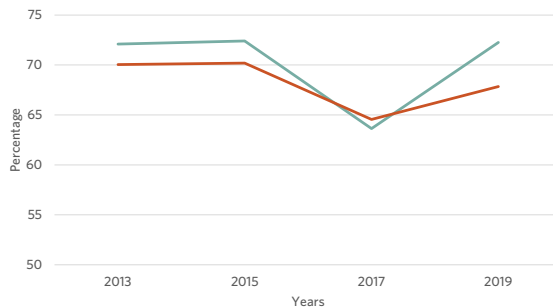
Norwalk PCI



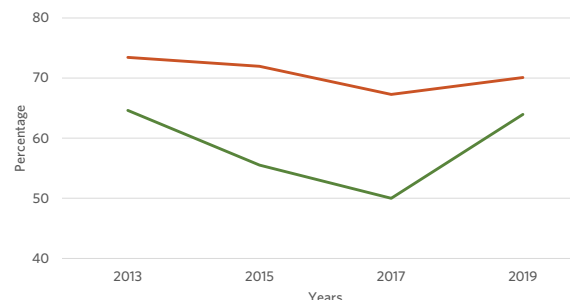
MPO Average PCI



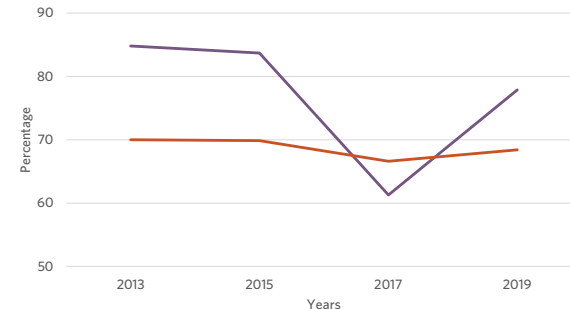
Comparison for MPO and Norwalk Average PCI



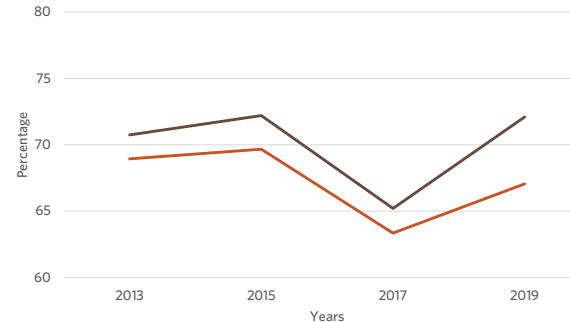
Comparison for MPO and Norwalk Average PCI for Minor Arterial



Comparison for MPO and Norwalk Average PCI for Major Collector



Comparison for MPO and Norwalk Average PCI for Local Roads



- Local Road Norwalk
- Local Road Regional Average

PAVEMENT CONDITION 2020

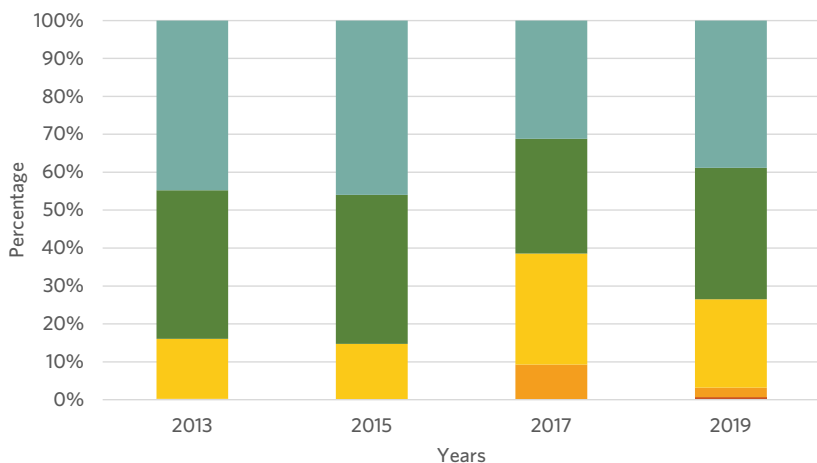
PLEASANT HILL

The charts below represent the 2019 PCI Calculation for the City of Pleasant Hill in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of Pleasant Hill has an estimated 42 miles of roadway.

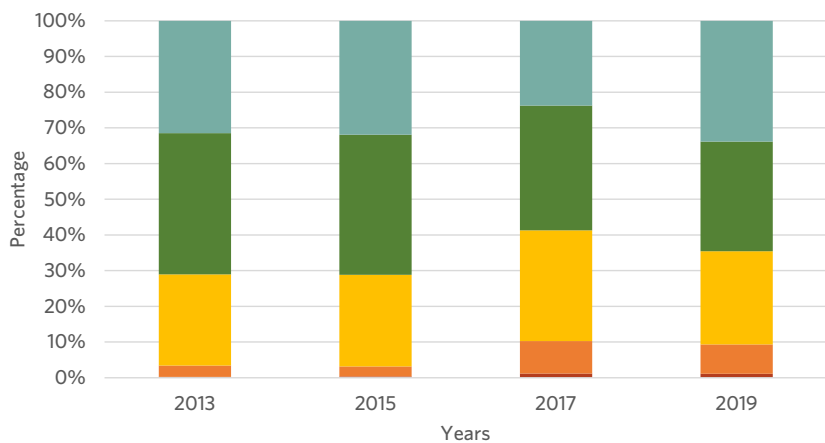
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

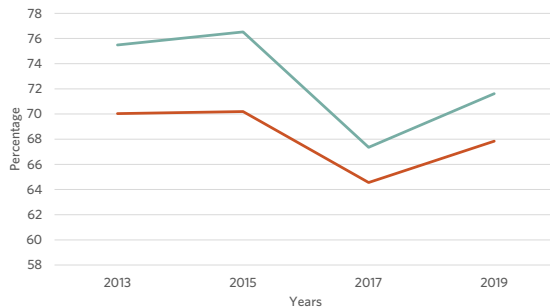
Pleasant Hill PCI



MPO Average PCI



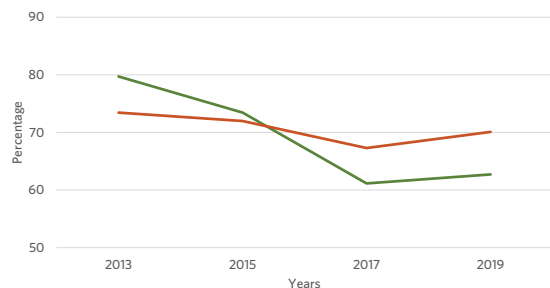
Comparison for MPO and Pleasant Hill Average PCI



— Pleasant Hill Average PCI

— MPO Average PCI

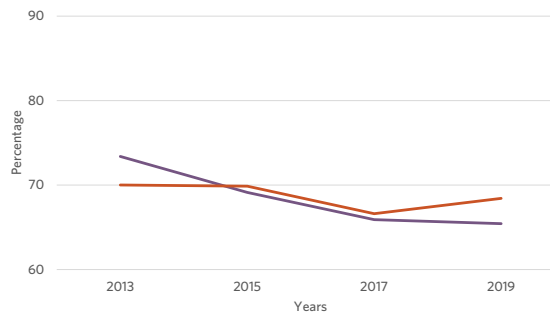
Comparison for MPO and Pleasant Hill Average PCI for Minor Arterial



— Minor Arterial Pleasant Hill

— Minor Arterial Regional Average

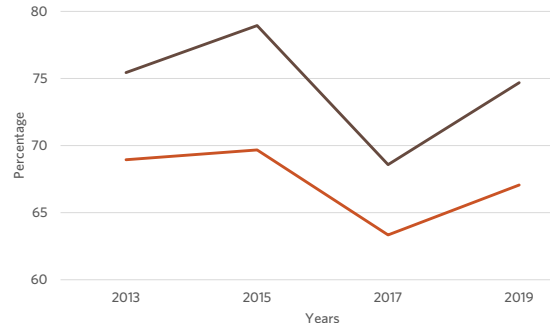
Comparison for MPO and Pleasant Hill Average PCI for Major Collector



— Major Collector Pleasant Hill

— Major Collector Regional Average

Comparison for MPO and Pleasant Hill Average PCI for Local Roads



— Local Road Pleasant Hill

— Local Road Regional Average

PAVEMENT CONDITION 2020

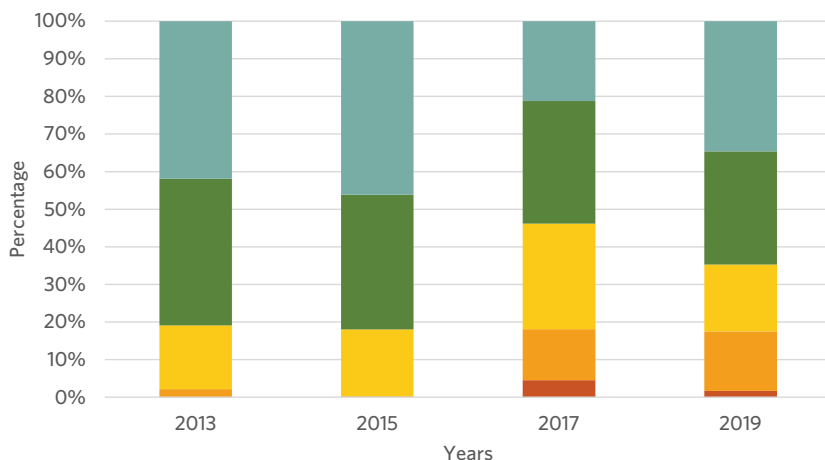
POLK CITY

The charts below represent the 2019 PCI Calculation for the City of Polk City in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of Polk City has an estimated 23 miles of roadway.

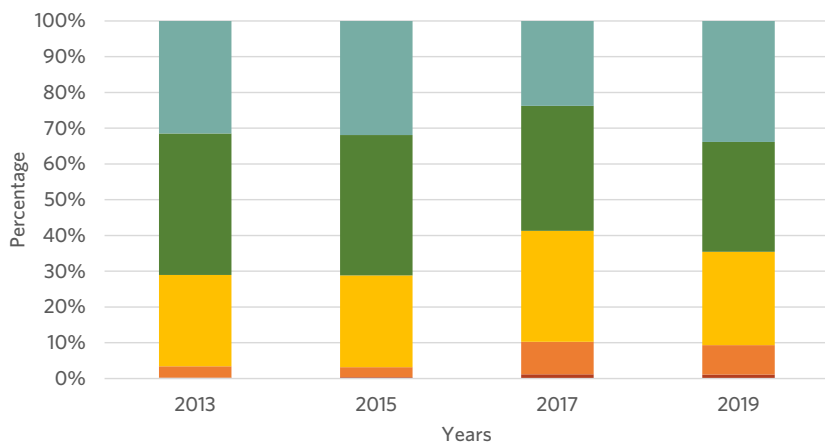
Pavement Condition Index

■ Excellent
 ■ Good
 ■ Fair
 ■ Poor
 ■ Very Poor

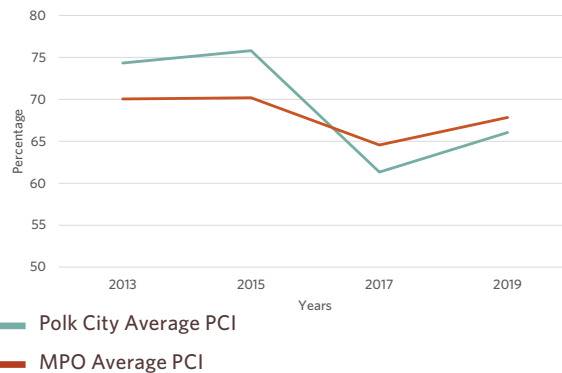
Polk City PCI



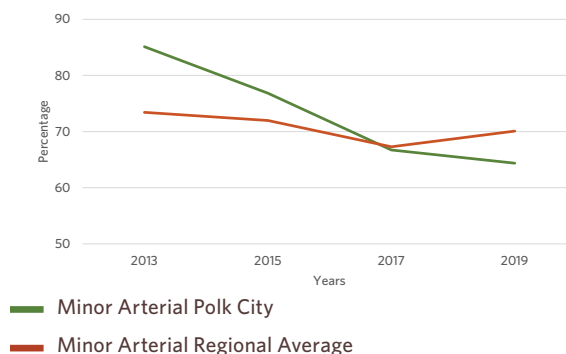
MPO Average PCI



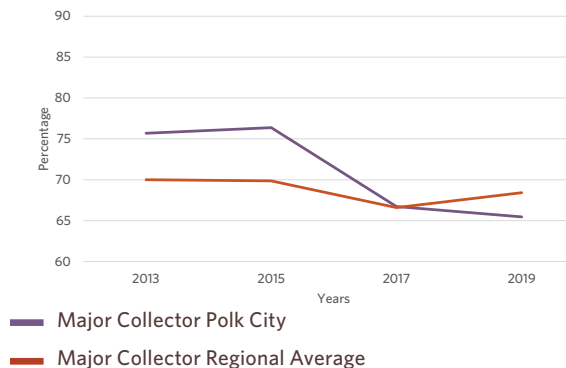
Comparison for MPO and Polk City Average PCI



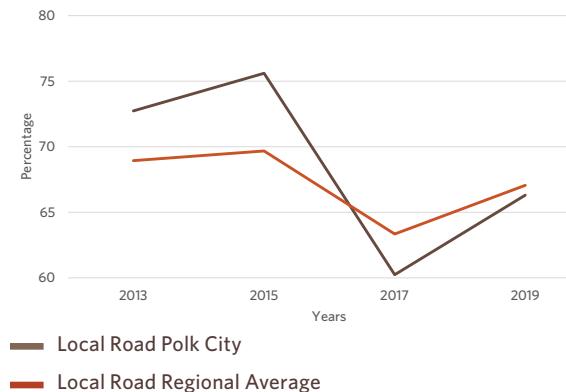
Comparison for MPO and Polk City Average PCI for Minor Arterial



Comparison for MPO and Polk City Average PCI for Major Collector



Comparison for MPO and Polk City Average PCI for Local Roads



PAVEMENT CONDITION 2020

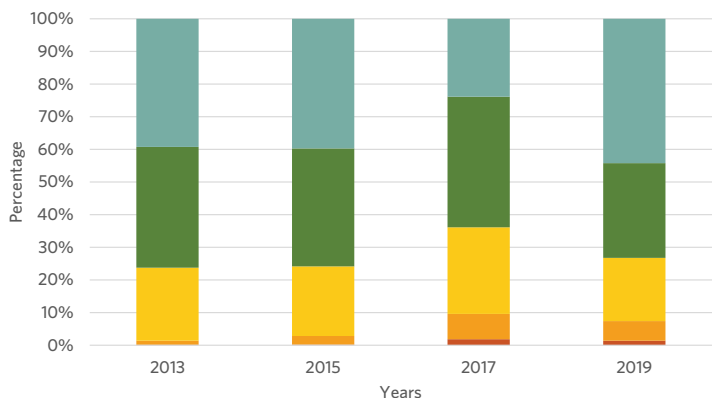
URBANDALE

The charts below represent the 2019 PCI Calculation for the City of Urbandale in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Major Arterial, Minor Arterial, Major Collector, and local roads. The City of Urbandale has an estimated 215 miles of roadway.

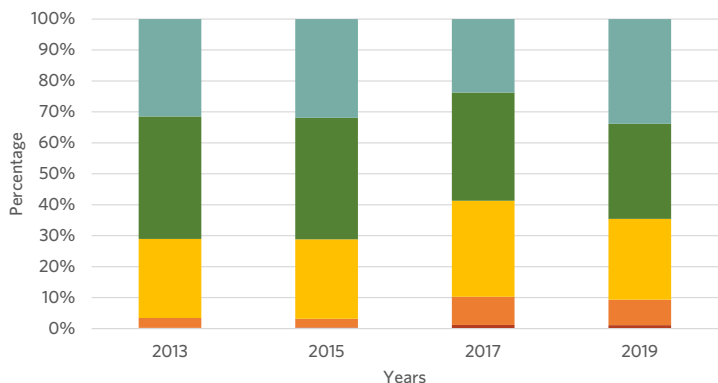
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

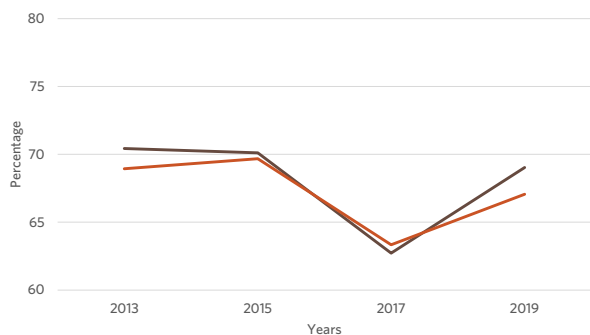
Urbandale PCI



MPO Average PCI

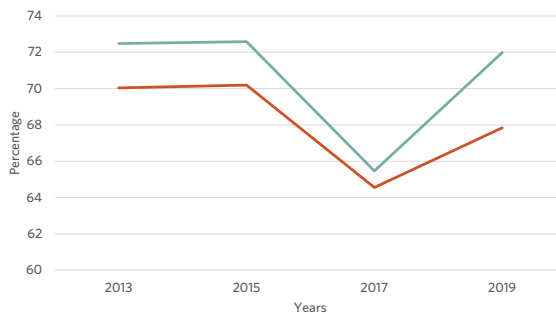


Comparison for MPO and Urbandale Average PCI for Local Roads



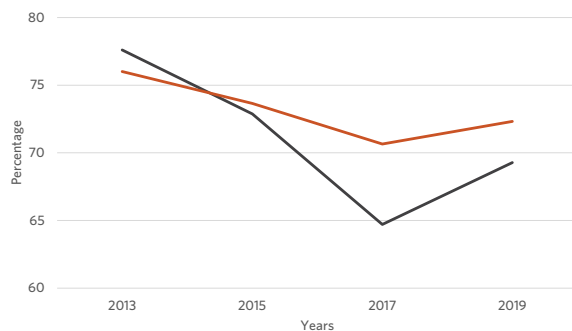
- Local Road Urbandale
- Local Road Regional Average

Comparison for MPO and Urbandale Average PCI



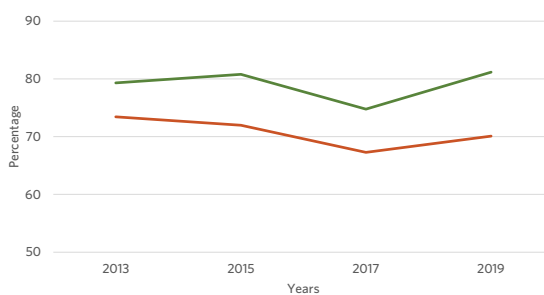
- Urbandale Average PCI
- MPO Average PCI

Comparison for MPO and Urbandale Average PCI for Major Arterial



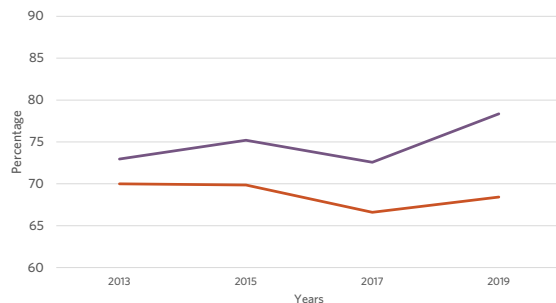
- Major Arterial Urbandale
- Major Arterial Regional Average

Comparison for MPO and Urbandale Average PCI for Minor Arterial



- Minor Arterial Urbandale
- Minor Arterial Regional Average

Comparison for MPO and Urbandale Average PCI for Major Collector



- Major Collector Urbandale
- Major Collector Regional Average

PAVEMENT CONDITION 2020

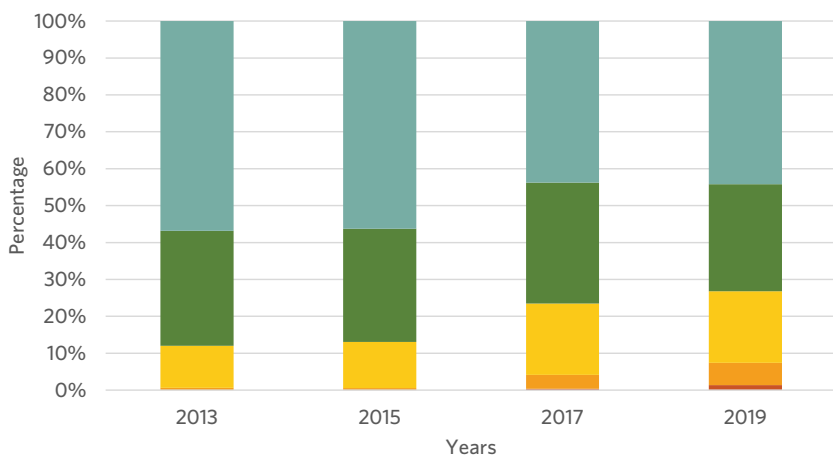
WAUKEE

The charts below represent the 2019 PCI Calculation for the City of Waukee in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads. The City of Waukee has an estimated 89 miles of roadway.

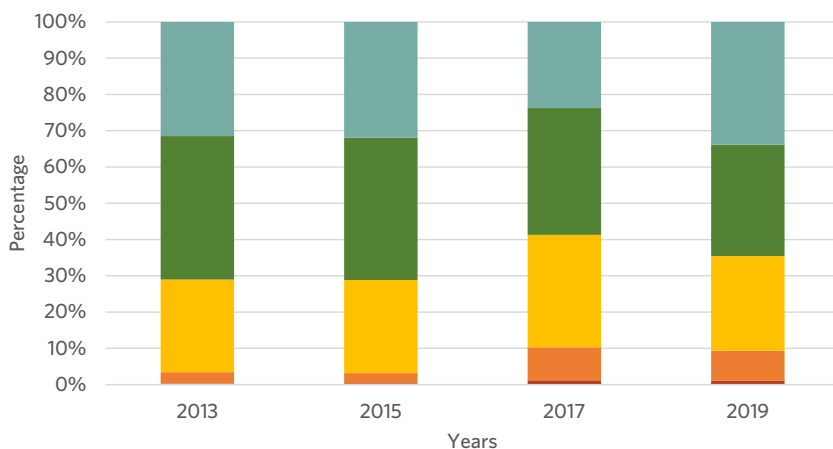
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

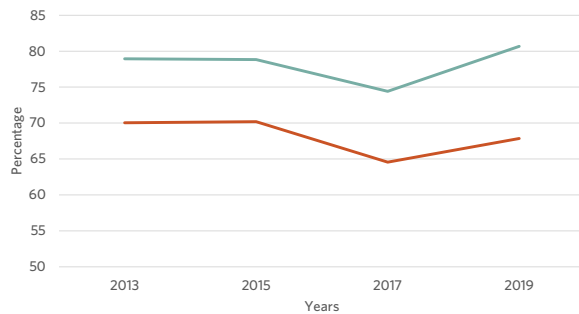
Waukee PCI



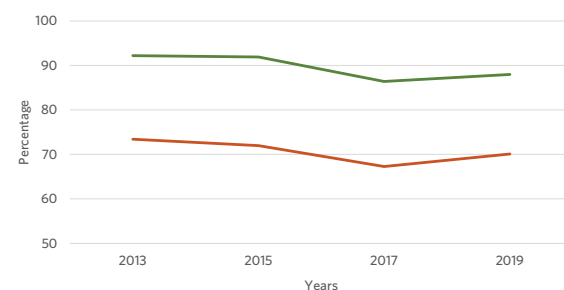
MPO Average PCI



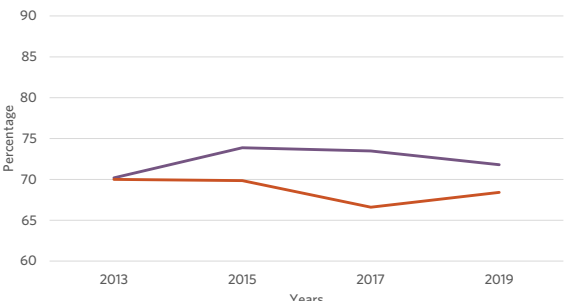
Comparison for MPO and Waukee Average PCI



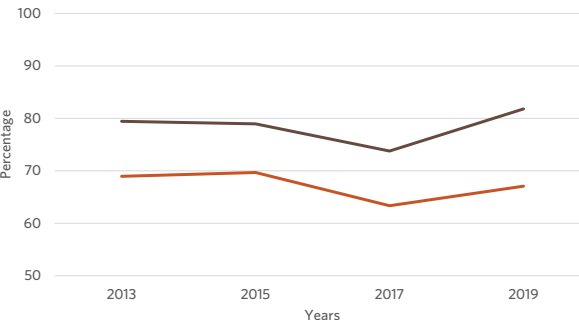
Comparison for MPO and Waukee Average PCI for Minor Arterial



Comparison for MPO and Waukee Average PCI for Major Collector



Comparison for MPO and Waukee Average PCI for Local Roads



- Local Road Waukee
- Local Road Regional Average

PAVEMENT CONDITION 2020

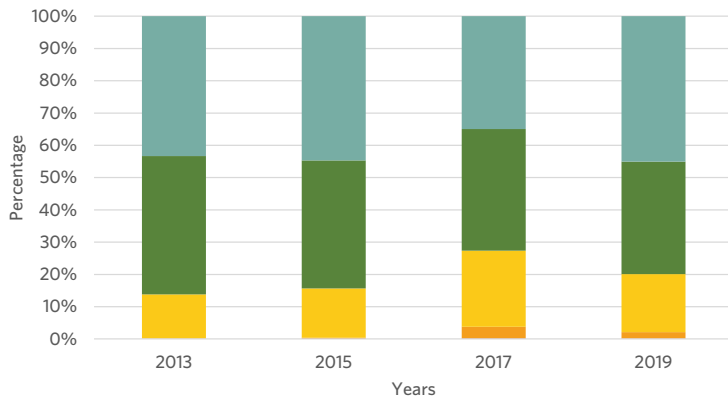
WEST DES MOINES

The charts below represent the 2019 PCI Calculation for the City of West Des Moines in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Major Arterial, Minor Arterial, Major Collector, and local roads for City of West Des Moines. The City of West Des Moines has an estimated 272 miles

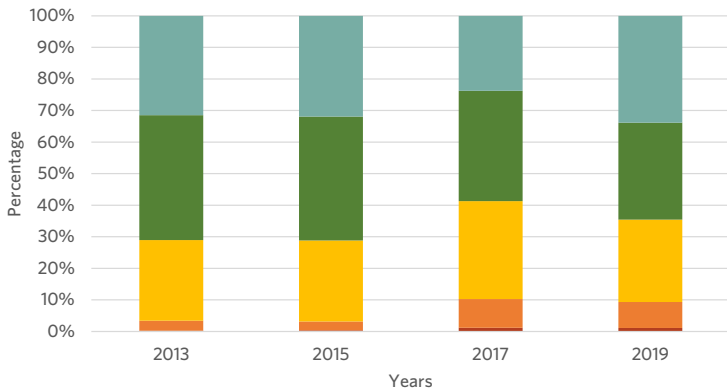
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

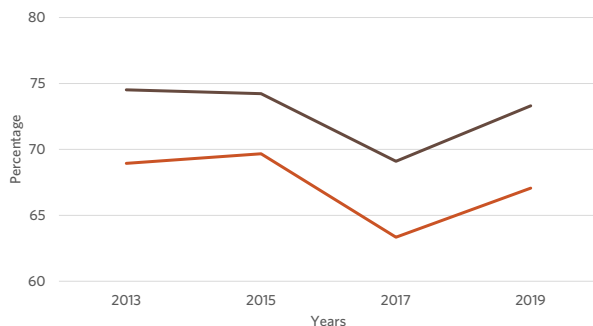
West Des Moines PCI



MPO Average PCI

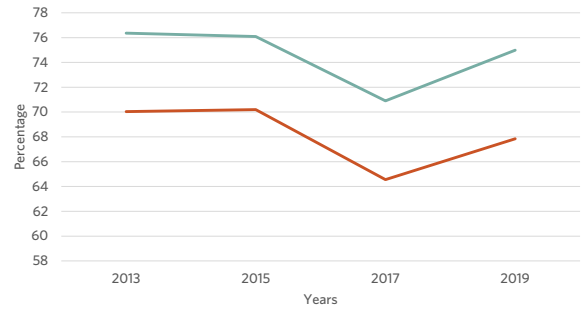


Comparison for MPO and West Des Moines Average PCI for Local Roads



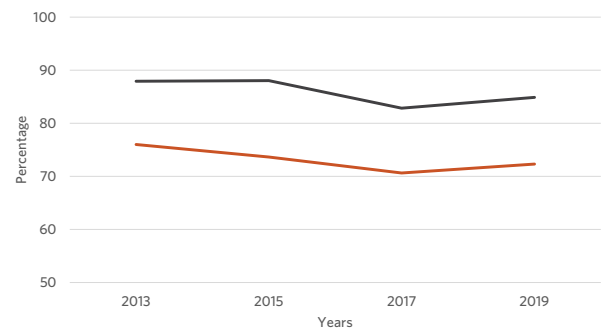
- Local Road West Des Moines
- Local Road Regional Average

Comparison for MPO and West Des Moines Average PCI



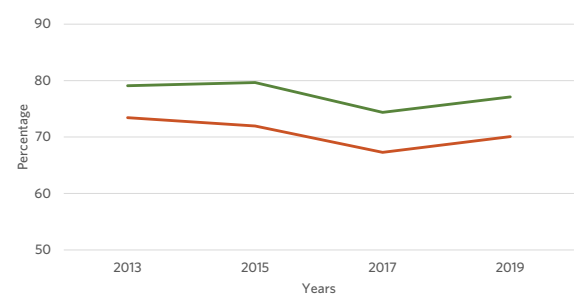
- West Des Moines Average PCI
- MPO Average PCI

Comparison for MPO and West Des Moines Average PCI for Local Roads



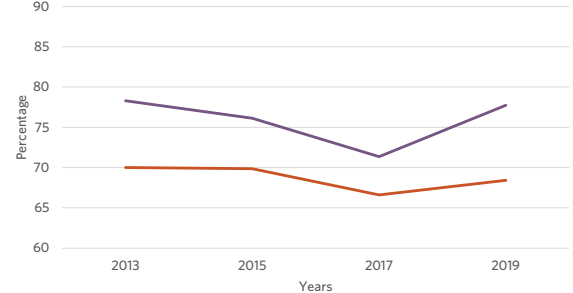
- Major Arterial West Des Moines
- Major Arterial Regional Average

Comparison for MPO and West Des Moines Average PCI for Minor Arterial



- Minor Arterial West Des Moines
- Minor Arterial Regional Average

Comparison for MPO and West Des Moines Average PCI for Major Collector



- Major Collector West Des Moines
- Major Collector Regional Average

PAVEMENT CONDITION 2020

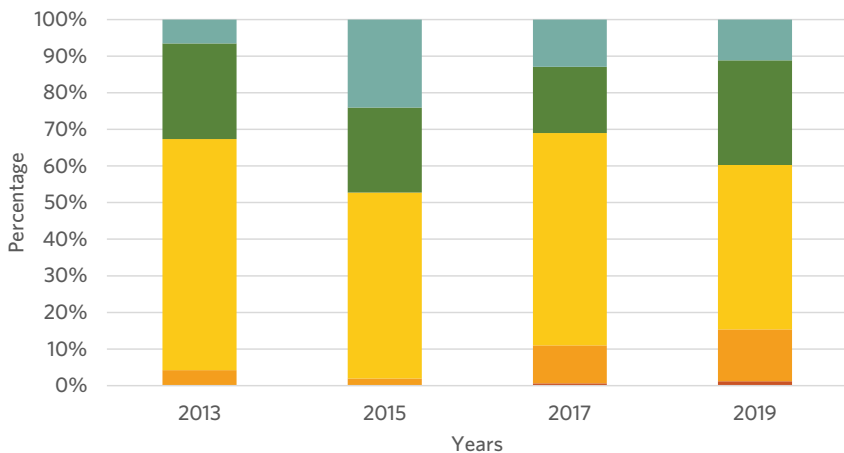
WINDSOR HEIGHTS

The charts below represent the 2019 PCI Calculation for the City of Windsor Heights in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, and local roads for City of Windsor Heights. The City of Windsor Heights has an estimated 20 miles of roadway.

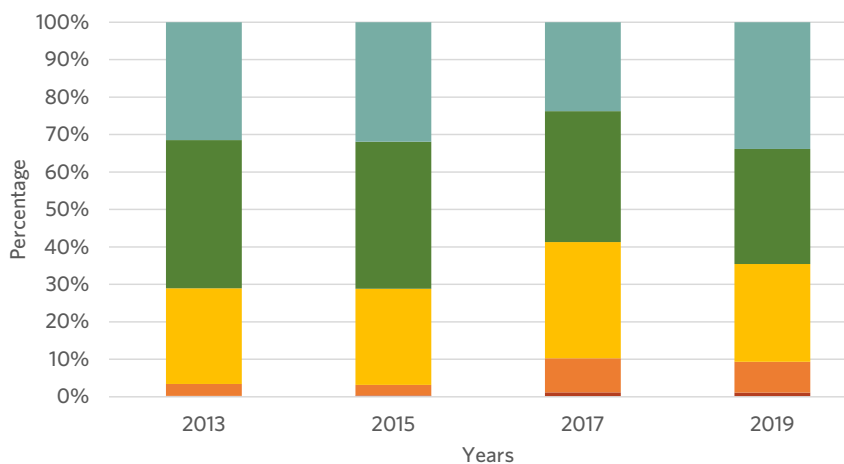
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

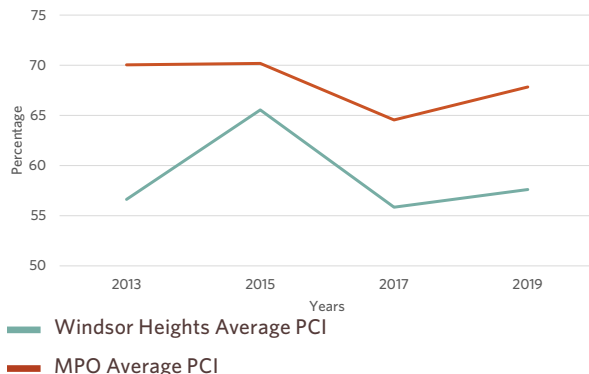
Windsor Heights PCI



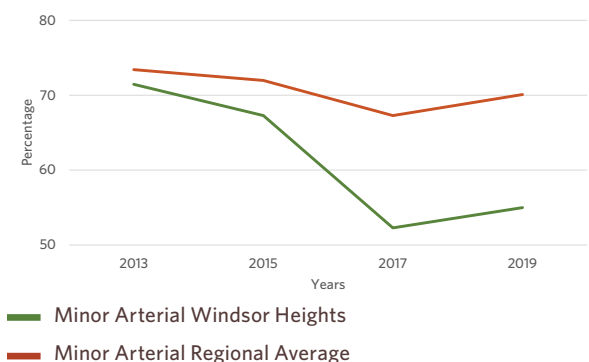
MPO Average PCI



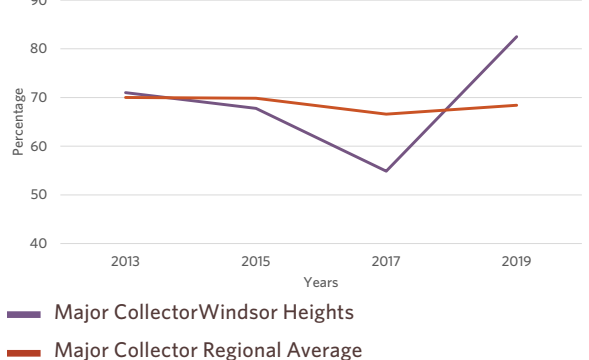
Comparison for MPO and Windsor Heights Average PCI



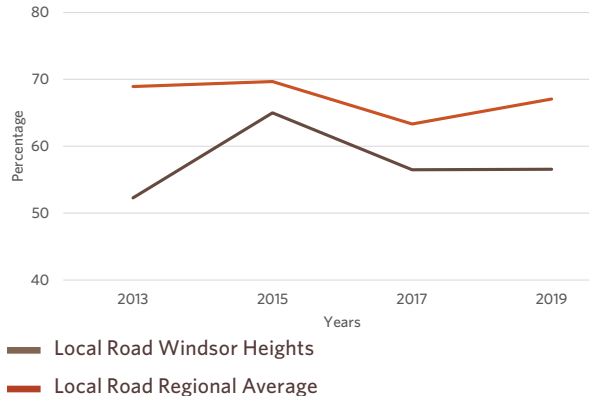
Comparison for MPO and Windsor Heights Average PCI for Minor Arterial



Comparison for MPO and Windsor Heights Average PCI for Major Collector



Comparison for MPO and Windsor Heights Average PCI for Local Roads



PAVEMENT CONDITION 2020

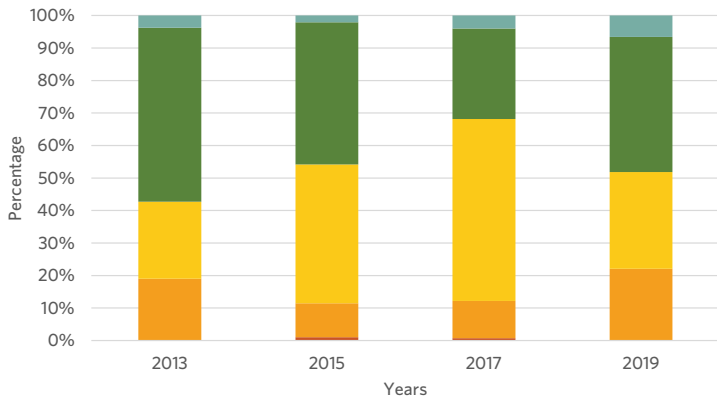
DALLAS COUNTY

The charts below represent the 2019 PCI Calculation for Dallas County in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, Minor Collector, and local roads for Dallas County. Dallas County has an estimated 18 miles of roadway.

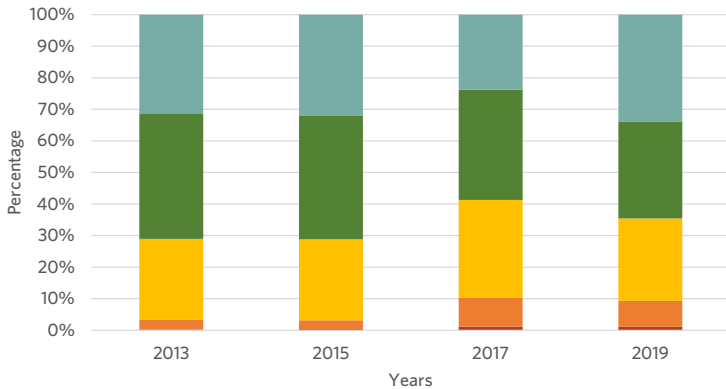
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

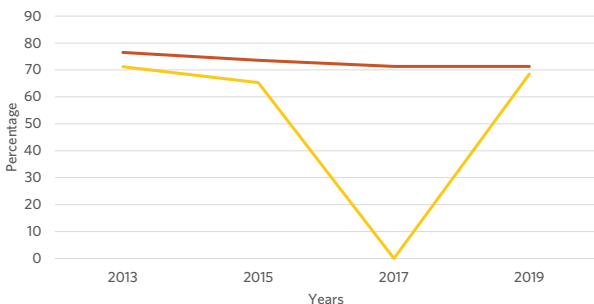
Dallas County PCI



MPO Average PCI

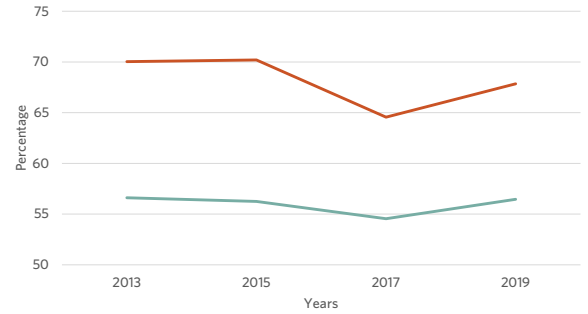


Comparison for MPO and Dallas County Average PCI for Minor Collector



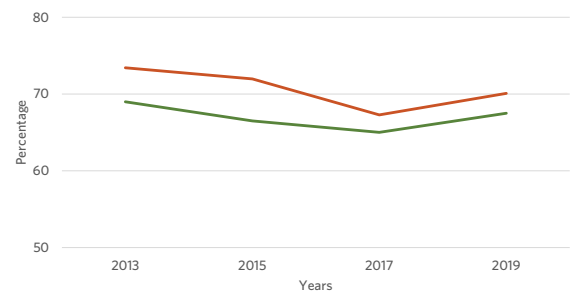
- Minor Collector Dallas County
- Minor Collector Regional Average

Comparison for MPO and Dallas County Average PCI



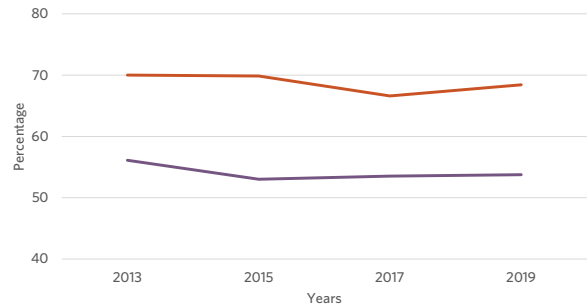
- Dallas County Average PCI
- MPO Average PCI

Comparison for MPO and Dallas County Average PCI for Minor Arterial



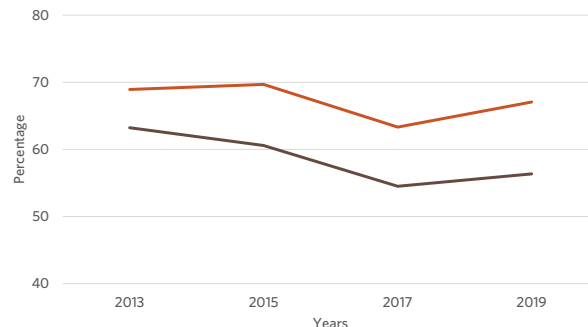
- Minor Arterial Dallas County
- Minor Arterial Regional Average

Comparison for MPO and Dallas County Average PCI for Major Collector



- Major Collector Dallas County
- Major Collector Regional Average

Comparison for MPO and Dallas County Average PCI for Local Roads



- Local Road Dallas County
- Local Road Regional Average

PAVEMENT CONDITION 2020

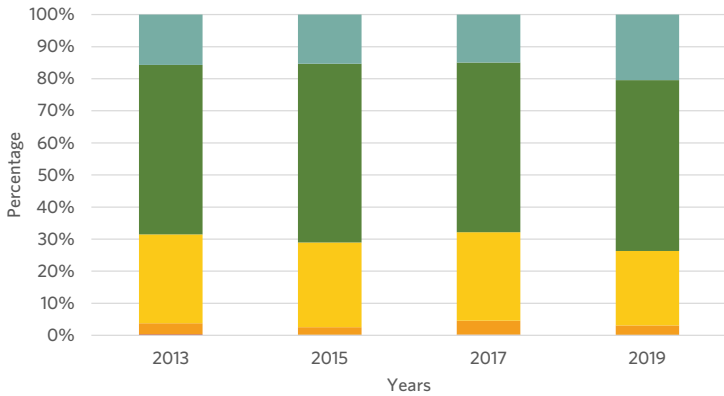
POLK COUNTY

The charts below represent the PCI 2019 Calculation for Polk County in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, Minor Collector, and local roads for Polk County. Polk County Phas an estimated 344 miles of roadway.

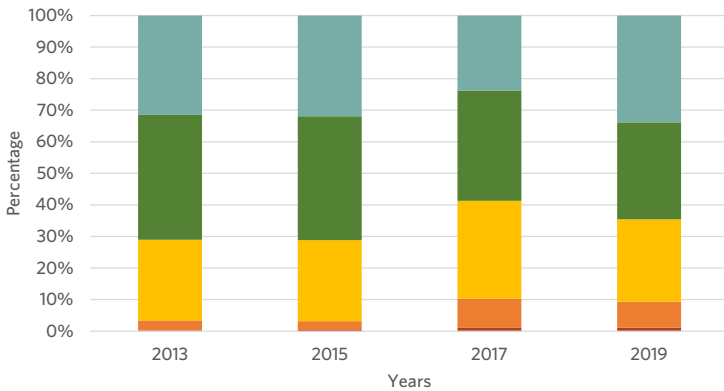
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

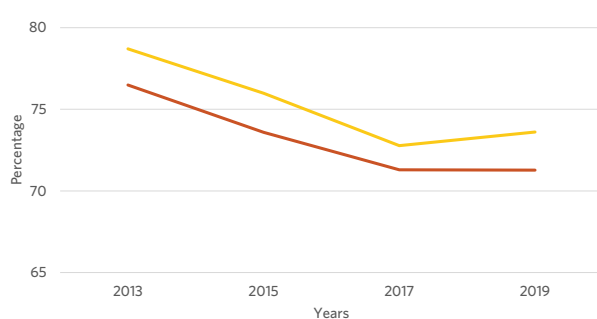
Polk County PCI



MPO Average PCI

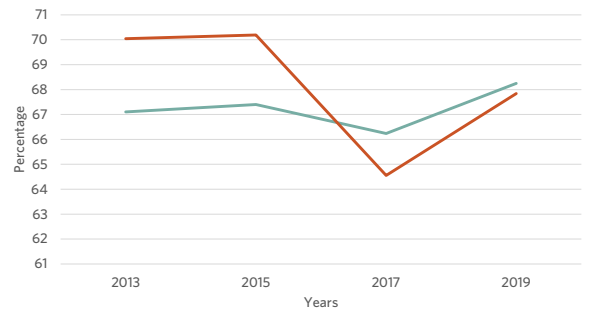


Comparison for MPO and Polk County Average PCI for Minor Collector



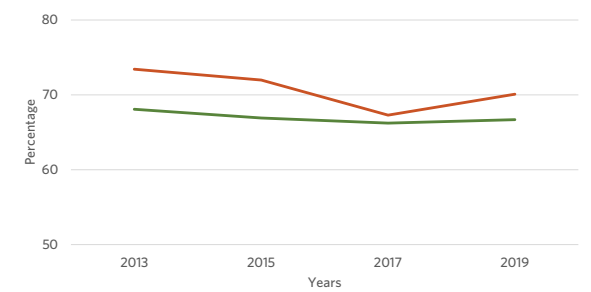
- Minor Collector Polk County
- Minor Collector Regional Average

Comparison for MPO and Polk County Average PCI



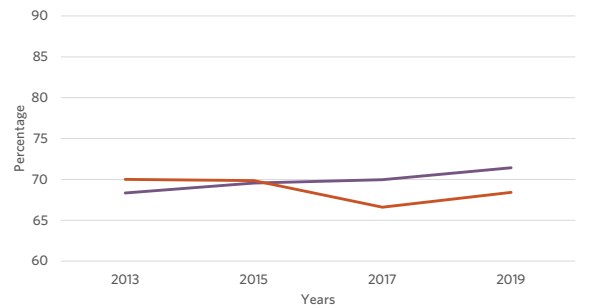
- Polk County Average PCI
- MPO Average PCI

Comparison for MPO and Polk County Average PCI for Minor Arterial



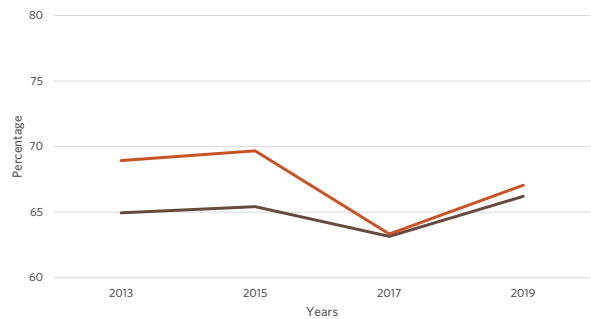
- Minor Arterial Polk County
- Minor Arterial Regional Average

Comparison for MPO and Polk County Average PCI for Major Collector



- Major Collector Polk County
- Major Collector Regional Average

Comparison for MPO and Polk County Average PCI for Local Roads



- Local Road Polk County
- Local Road Regional Average

PAVEMENT CONDITION 2020

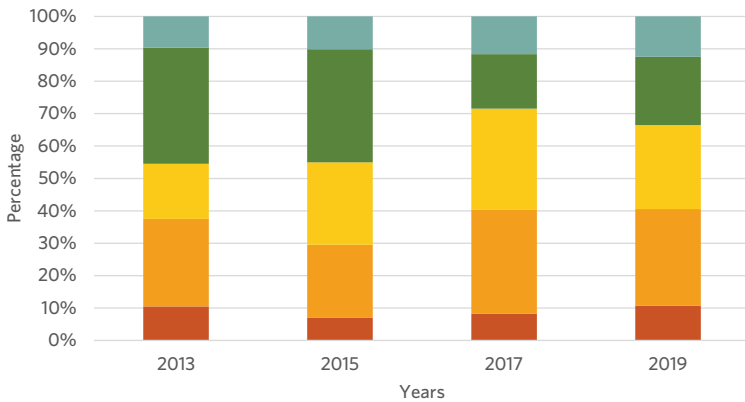
WARREN COUNTY

The charts below represent the PCI 2019 Calculation for Warren County in comparison to the overall MPO. They compare the MPO Boundary averages to 2019 PCI for Minor Arterial, Major Collector, Minor Collector, and local roads. Warren County has an estimated 24 miles of roadway.

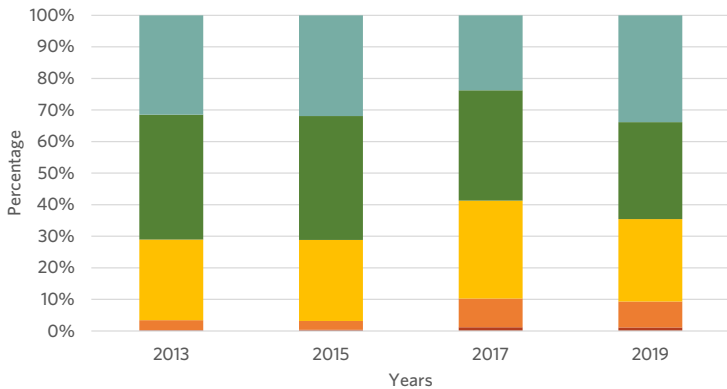
Pavement Condition Index

- Excellent
- Good
- Fair
- Poor
- Very Poor

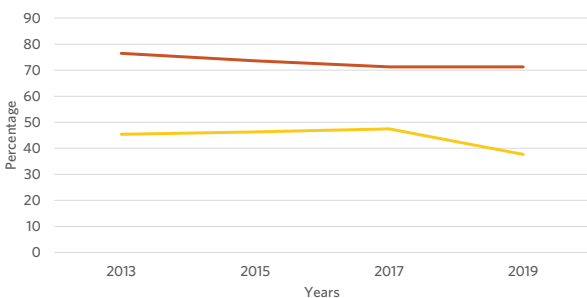
Warren County PCI



MPO Average PCI

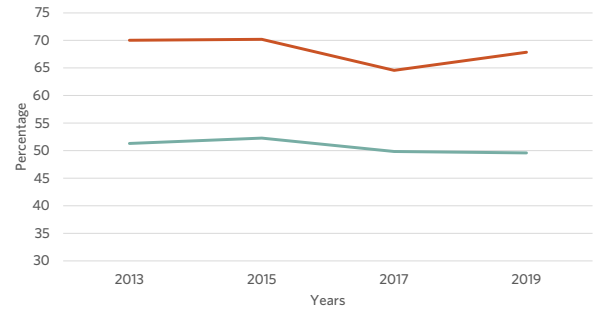


Comparison for MPO and Warren County Average PCI for Minor Collector



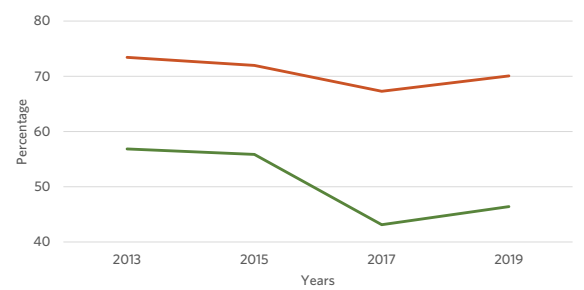
- Minor Collector Warren County
- Minor Collector Regional Average

Comparison for MPO and Warren County Average PCI



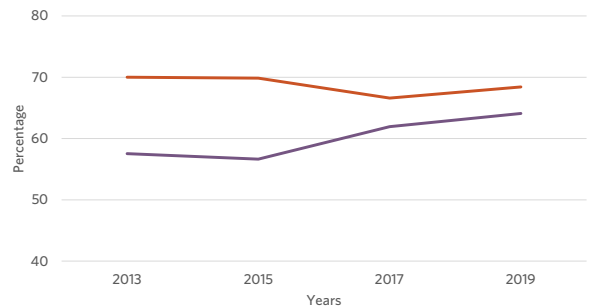
- Warren County Average PCI
- MPO Average PCI

Comparison for MPO and Warren County Average PCI for Minor Arterial



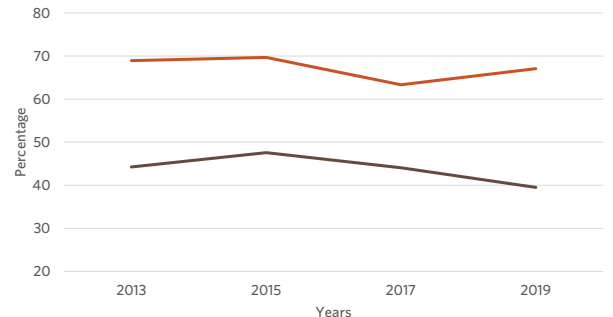
- Minor Arterial Warren County
- Minor Arterial Regional Average

Comparison for MPO and Warren County Average PCI for Major Collector



- Major Collector Warren County
- Major Collector Regional Average

Comparison for MPO and Warren County Average PCI for Local Roads



- Local Road Warren County
- Local Road Regional Average