

Roads per Capita

A Strong Towns approach

Idea

Roads are expensive to build & maintain

Cities & counties, through public taxes, must support them

Despite

Flat revenues

Gas tax

& Rising costs

Inflation, Material, & Labor

Therefore

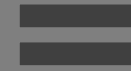
Comparing levels of infrastructure over time allows us to see how development has impacted transportation infrastructure

Equation

Length of
Roadway



Population



Road
p Capita

Analysis

Road
p Capita

vs

Road
p Capita

vs

Road
p Capita

vs

Road
p Capita

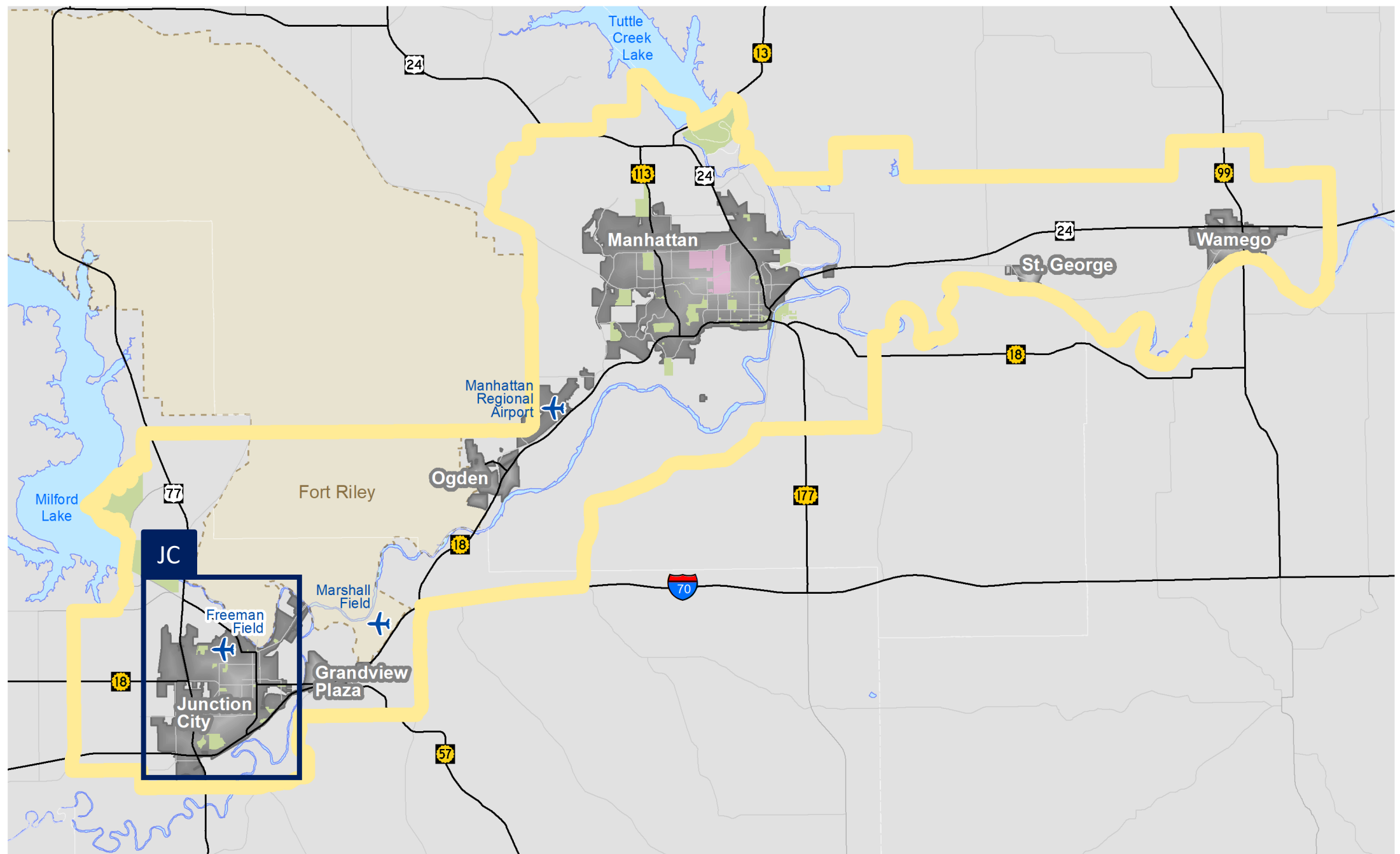
1990

2000

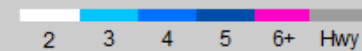
2010

Today

A Strong Town maintains or reduces the Road p Capita over time



1940 Roads by # of Lanes



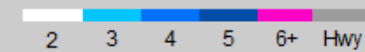
	Centerline (ft)	Lanes (ft)
2-Lane:	214,567	429,134
3-Lane:		
4-Lane:	11,206	44,824
5-Lane:		
6-Lane:		
7-Lane:		
Total:	225,773	473,958

Road data was compiled using a series of historic aerial images, plats, & utility & street plans. The data was compiled and edited in GIS.

Notes

References: City of Junction City,
Geary County GIS, Geary
County Historical Society
& DASC

1950 Roads by # of Lanes



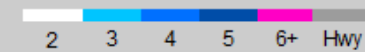
	Centerline (ft)	Lanes (ft)
2-Lane:	241,402	482,804
3-Lane:		
4-Lane:	11,889	47,556
5-Lane:		
6-Lane:		
7-Lane:		
Total:	253,291	530,360

Road data was compiled using a series of historic aerial images, plats, & utility & street plans. The data was compiled and edited in GIS.

Notes

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1960 Roads by # of Lanes



	Centerline (ft)	Lanes (ft)
2-Lane:	321,150	642,300
3-Lane:		
4-Lane:	33,883	135,532
5-Lane:		
6-Lane:		
7-Lane:		
Total:	355,033	777,832

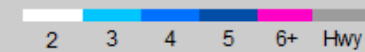
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Notes

1. I-70 ended at K57 in 1960.
East of K57 signed US40
2. US40 ran through JC

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1970 Roads by # of Lanes



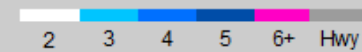
	Centerline (ft)	Lanes (ft)
2-Lane:	346,719	693,438
3-Lane:		
4-Lane:	48,284	193,136
5-Lane:		
6-Lane:		
7-Lane:		
Total:	395,003	886,574

Road data was compiled using a series of historic aerial images, plats, & utility & street plans. The data was compiled and edited in GIS.

Notes

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1980 Roads by # of Lanes



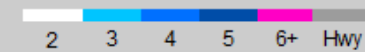
	Centerline (ft)	Lanes (ft)
2-Lane:	378,606	757,212
3-Lane:	3,123	9,369
4-Lane:	51,557	206,228
5-Lane:		
6-Lane:		
7-Lane:		
Total:	433,286	972,809

Road data was compiled using a series of historic aerial images, plats, & utility & street plans. The data was compiled and edited in GIS.

Notes

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1990 Roads by # of Lanes



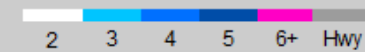
	Centerline (ft)	Lanes (ft)
2-Lane:	415,344	830,688
3-Lane:	14,082	42,246
4-Lane:	51,557	206,228
5-Lane:		
6-Lane:		
7-Lane:		
Total:	480,983	1,079,162

Road data was compiled using a series of historic aerial images, plats, & utility & street plans. The data was compiled and edited in GIS.

Notes

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2000 Roads by # of Lanes



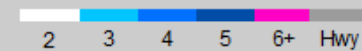
	Centerline (ft)	Lanes (ft)
2-Lane:	430,920	861,840
3-Lane:	27,276	81,828
4-Lane:	47,557	190,228
5-Lane:		
6-Lane:		
7-Lane:		
Total:	505,753	1,133,896

Road data was compiled using a series of historic aerial images, plats, & utility & street plans. The data was compiled and edited in GIS.

Notes

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2010 Roads by # of Lanes



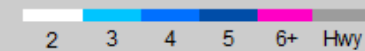
	Centerline (ft)	Lanes (ft)
2-Lane:	602,253	1,204,506
3-Lane:	50,168	150,504
4-Lane:	51,258	205,032
5-Lane:	1,917	9,585
6-Lane:		
7-Lane:		
Total:	705,596	1,569,627

Road data was compiled using a series of historic aerial images, plats, & utility & street plans. The data was compiled and edited in GIS.

Notes

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2020 Roads by # of Lanes

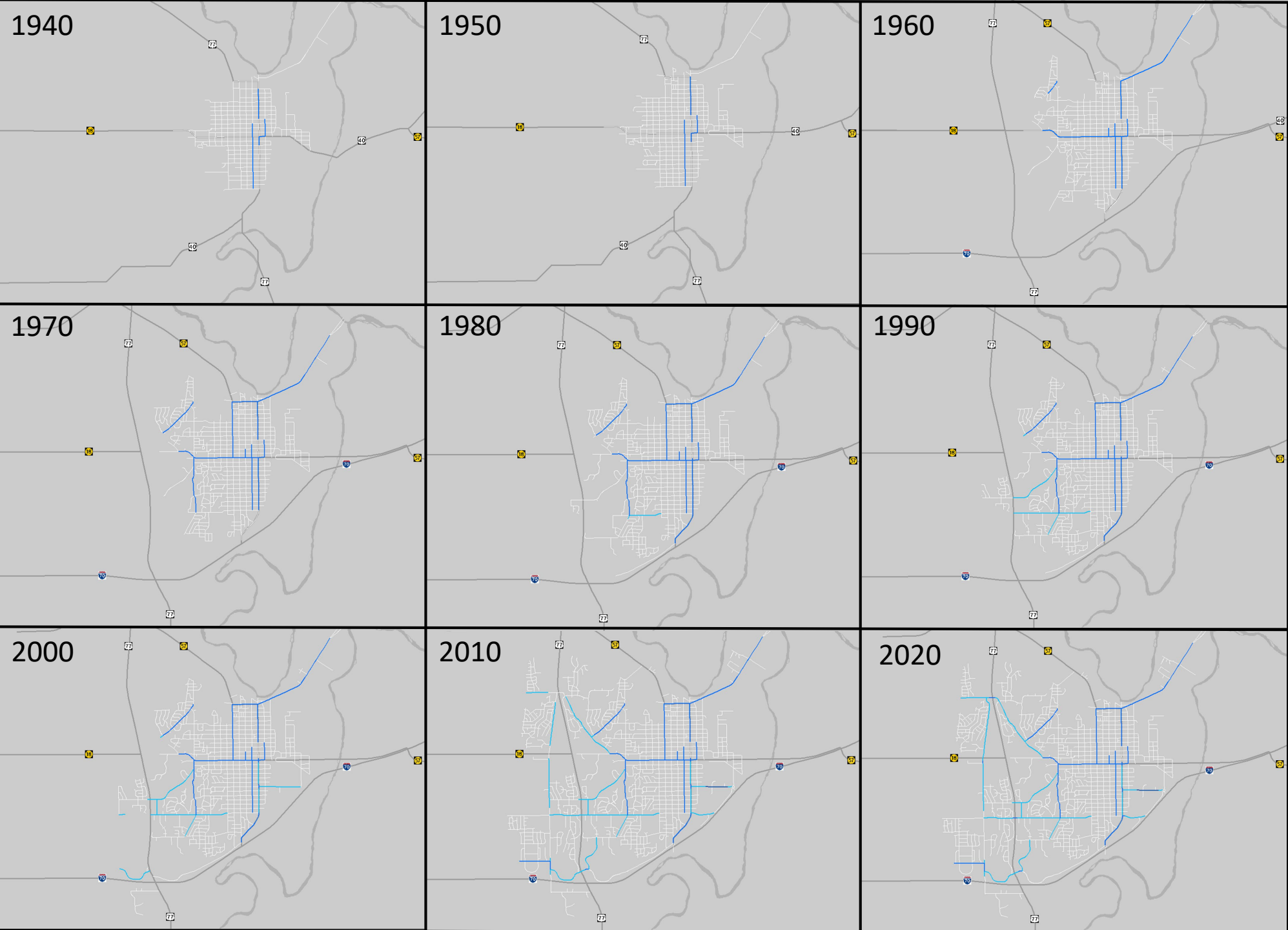


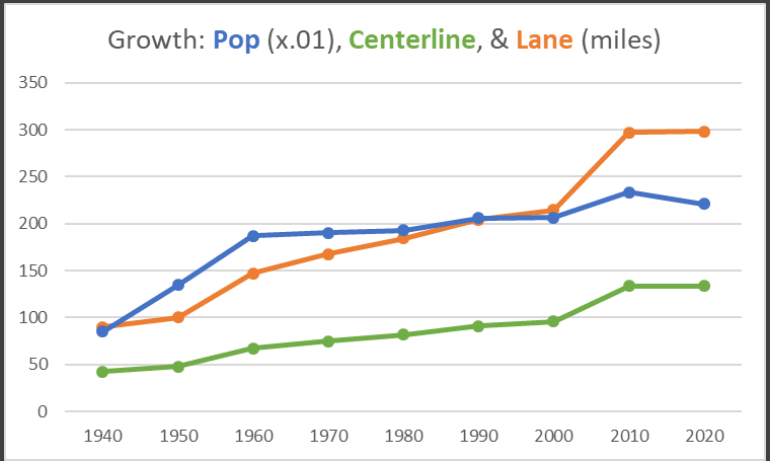
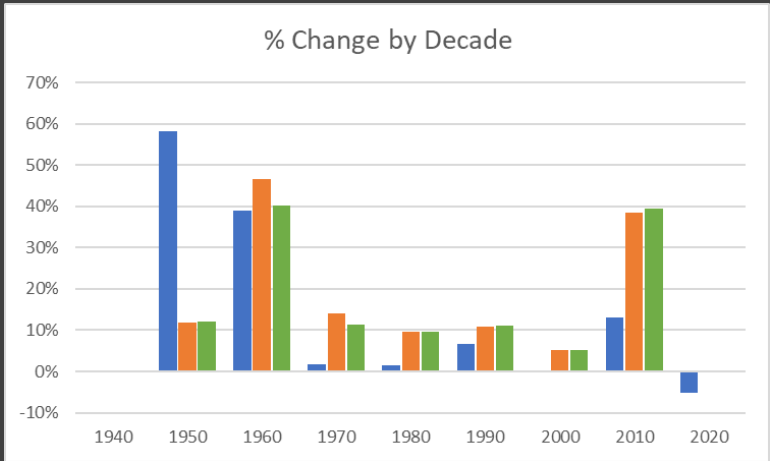
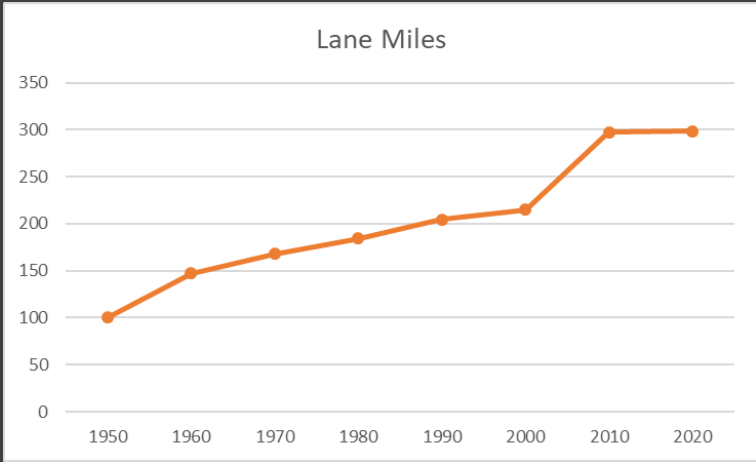
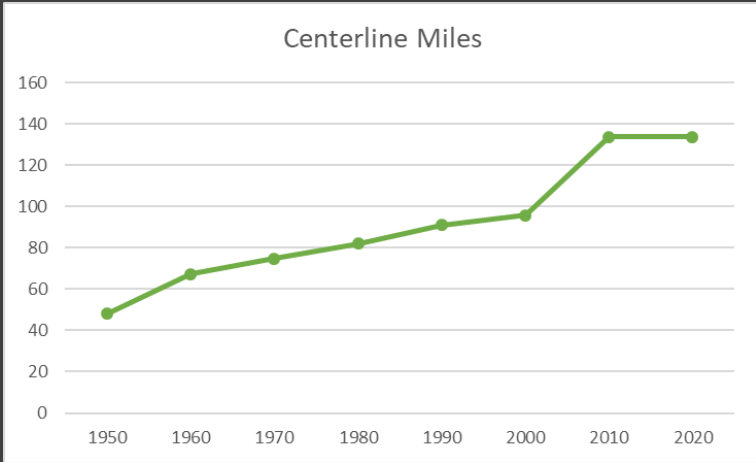
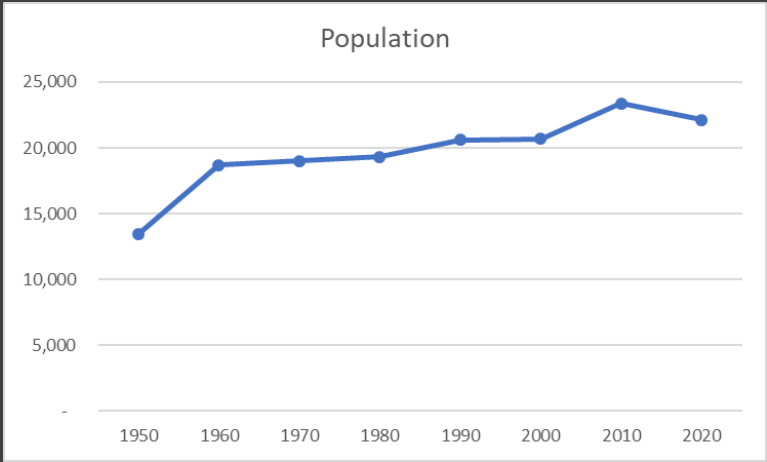
	Centerline (ft)	Lanes (ft)
2-Lane:	598,691	1,197,382
3-Lane:	52,444	157,332
4-Lane:	52,614	210,456
5-Lane:	1,917	9,585
6-Lane:		
7-Lane:		
Total:	705,666	1,574,755

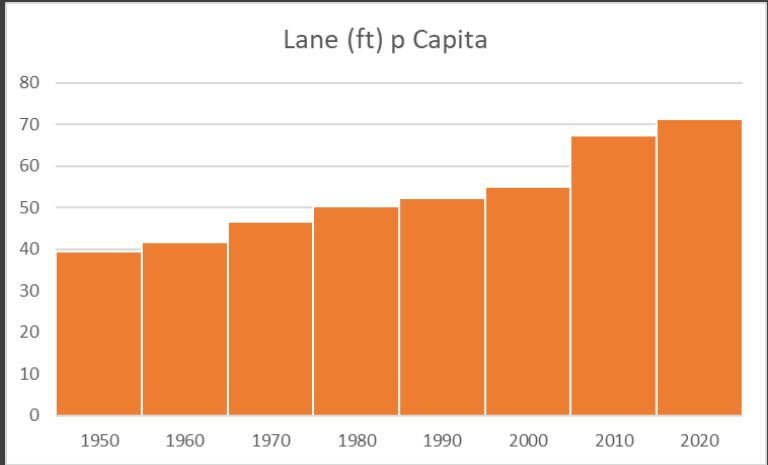
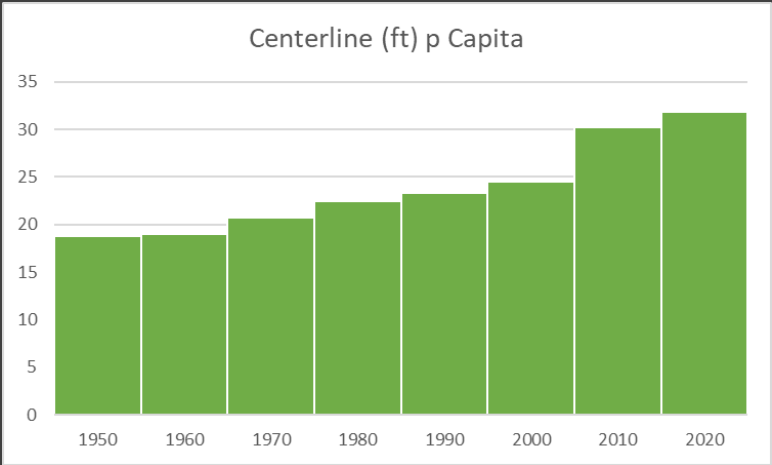
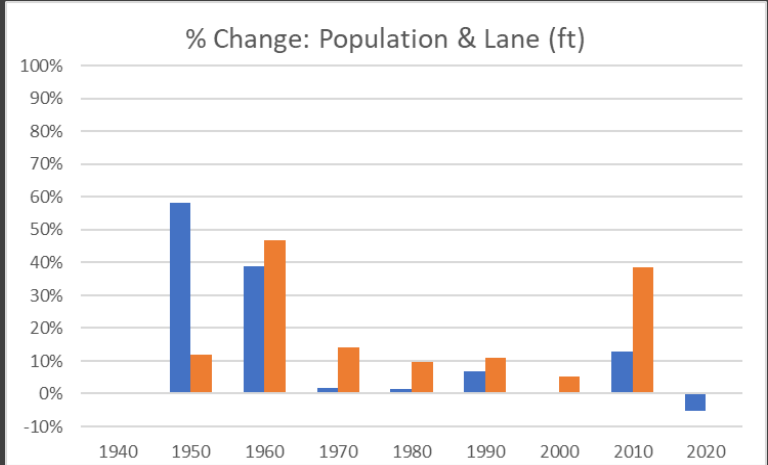
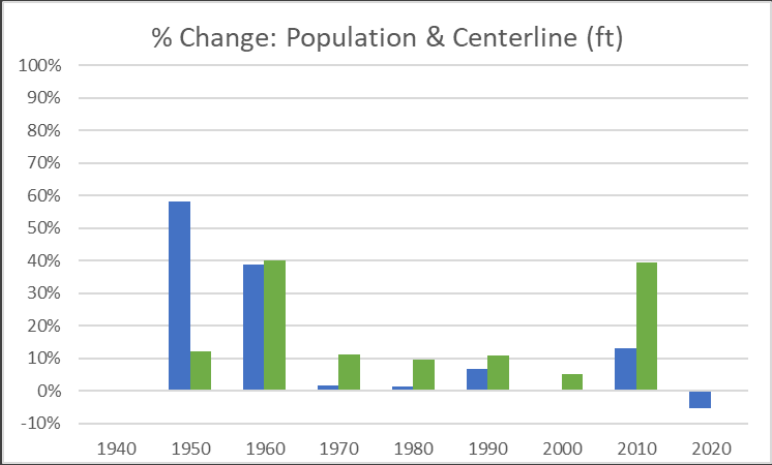
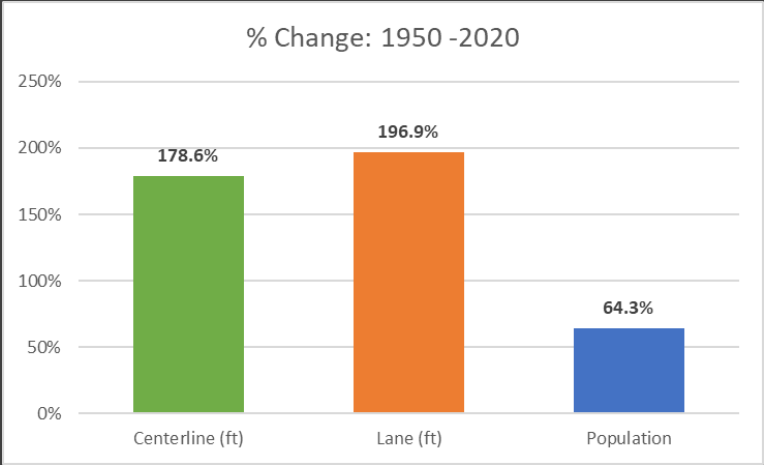
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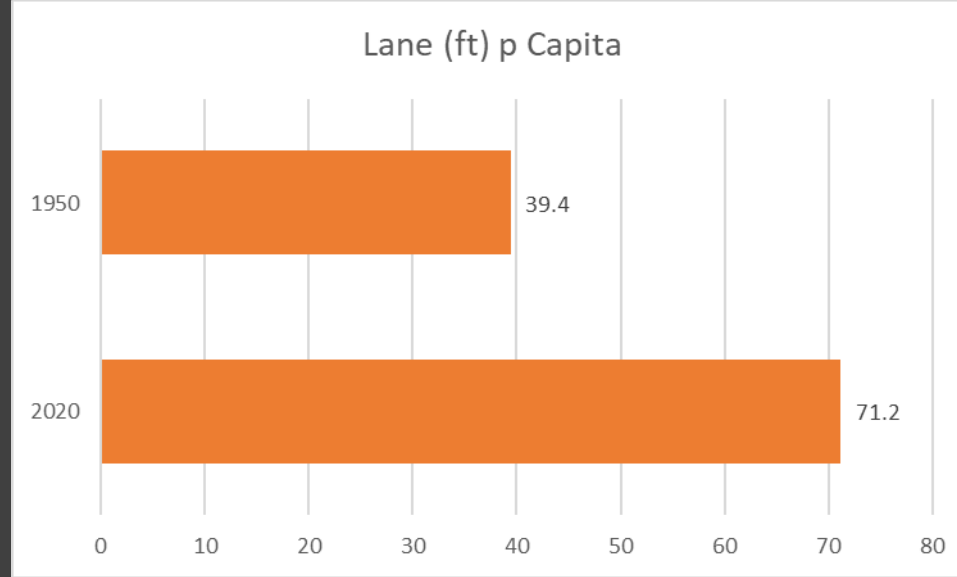
Notes

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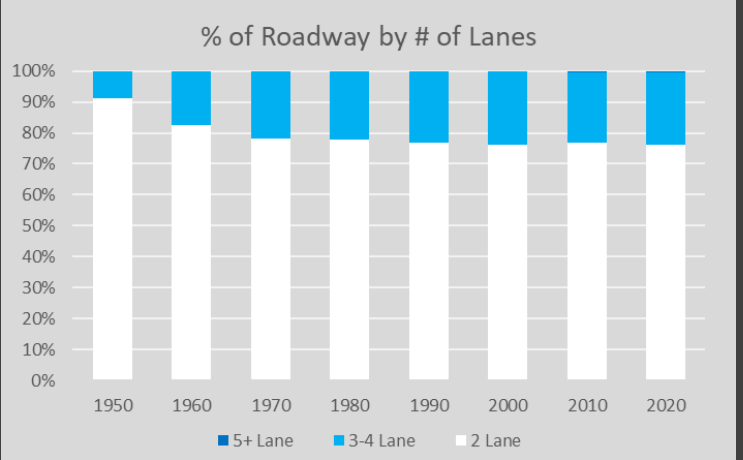
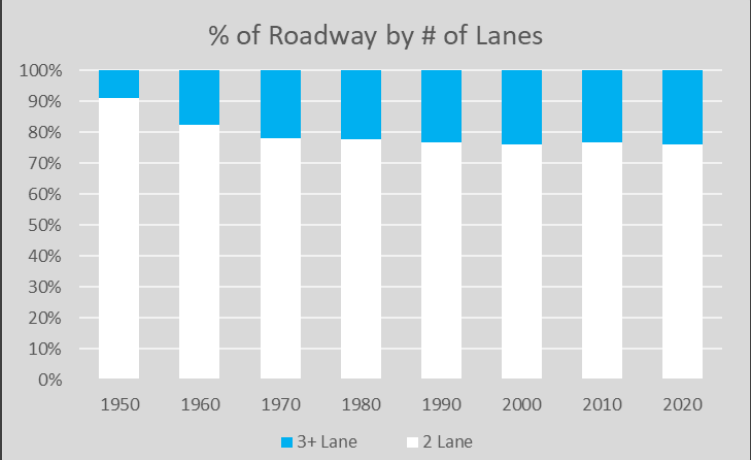
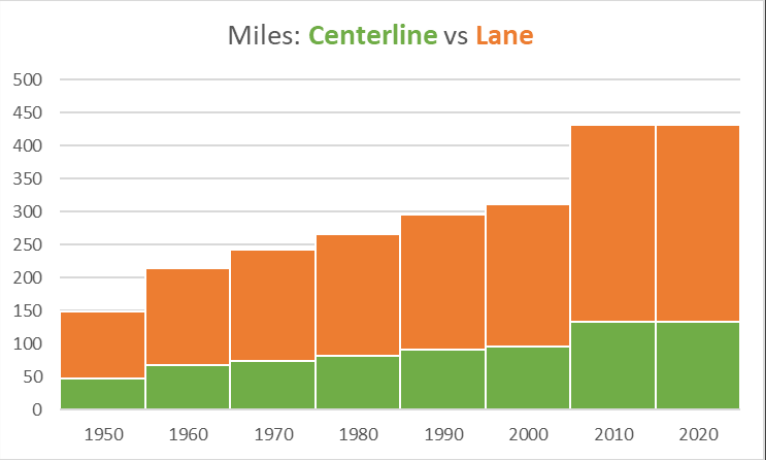


In
words

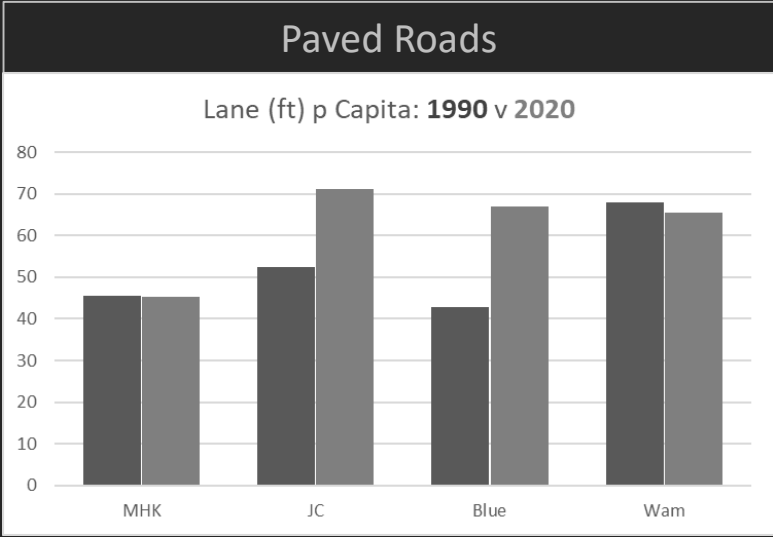
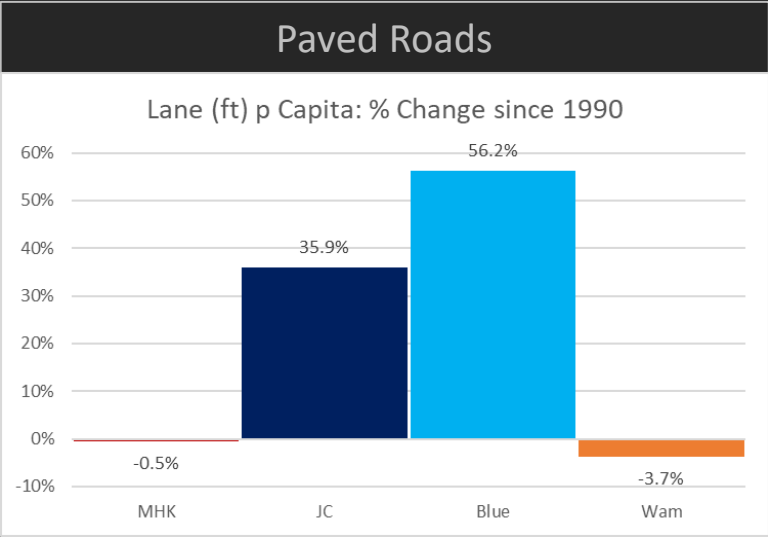
In 1950 each resident was responsible (must pay for) 39.4 ft of road. Today that number has jumped to 71.2 ft.

In other
words

There is 80.7% **more** roadway per person today, than there was in 1950

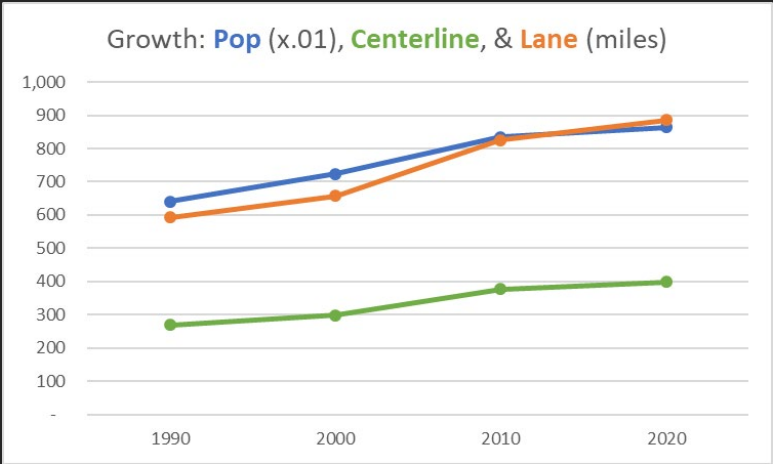
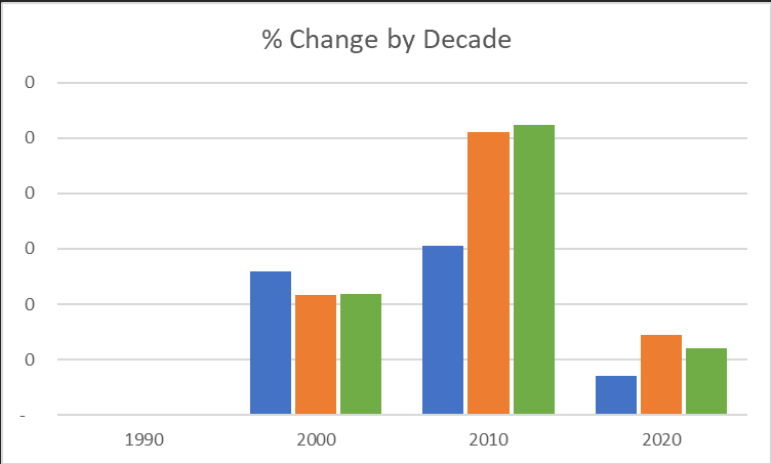
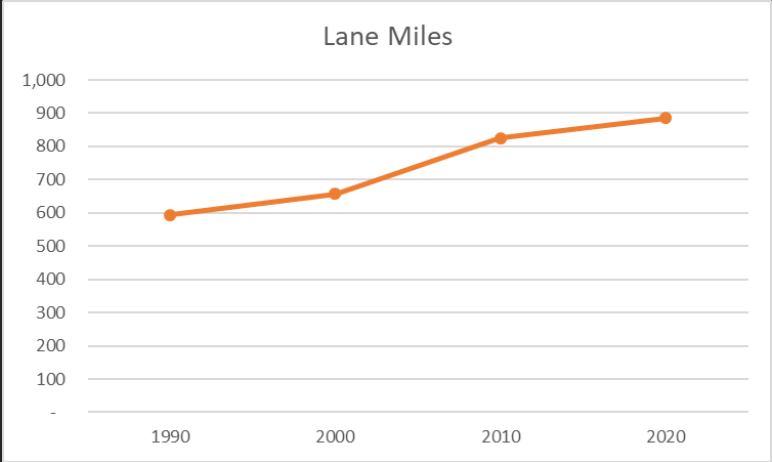
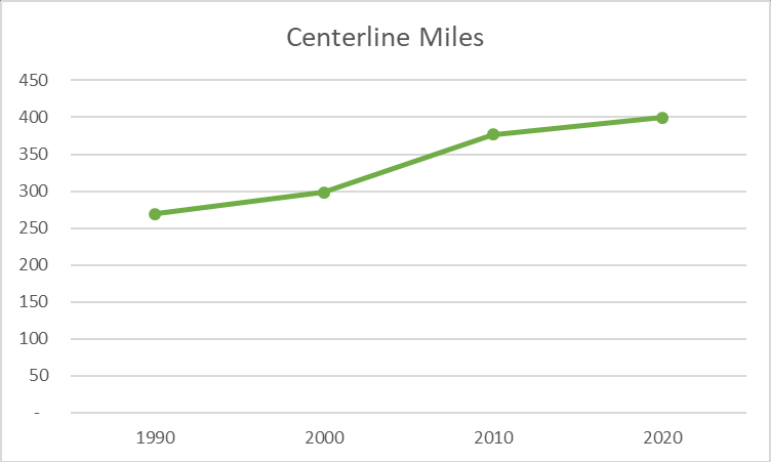
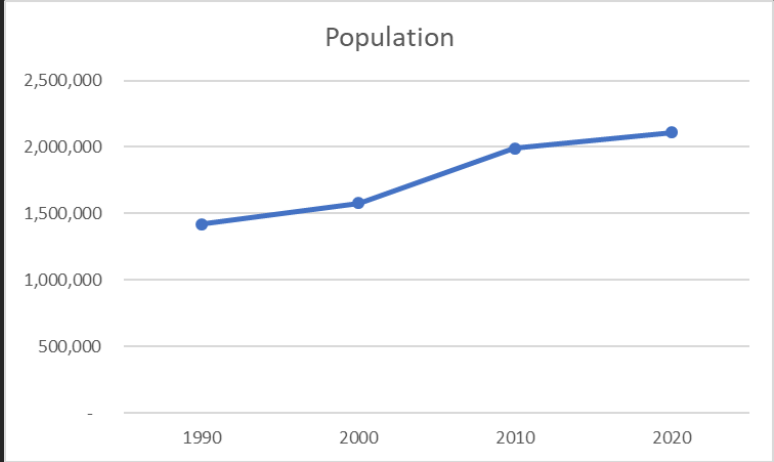


Regionwide Summary



		MHK	JC	Blue	Wam
In words	In 1990 each resident was responsible (must pay for)	45.44 ft	52.38 ft	42.9 ft	67.96 ft
	Today, each resident is Responsible (must pay for)	45.23 ft	71.19 ft	67.03 ft	65.47 ft
		0.5%	35.9%	56.2%	3.7%

Regionwide Trends



Regionwide Trends

