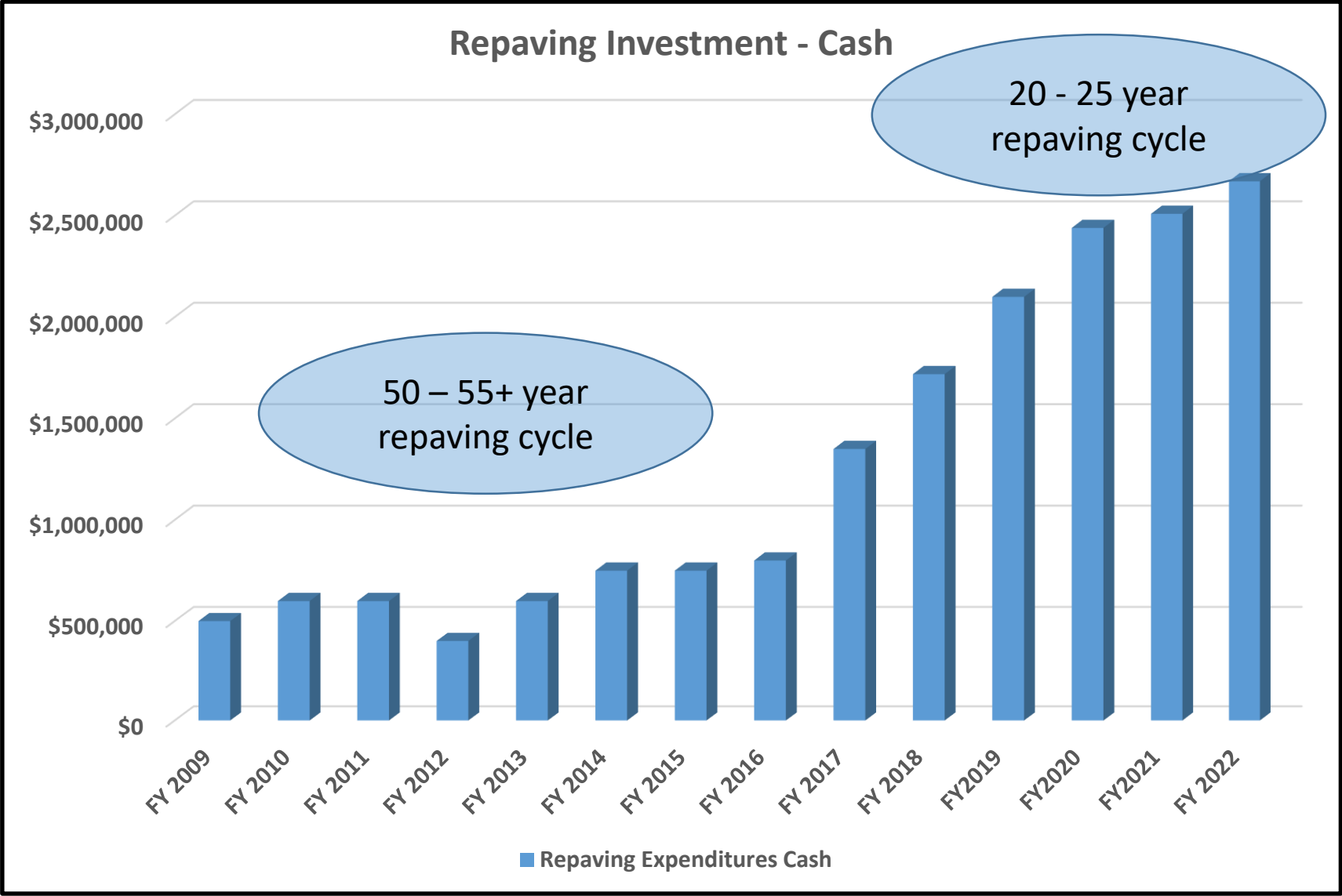


PAVE KINGSPORT

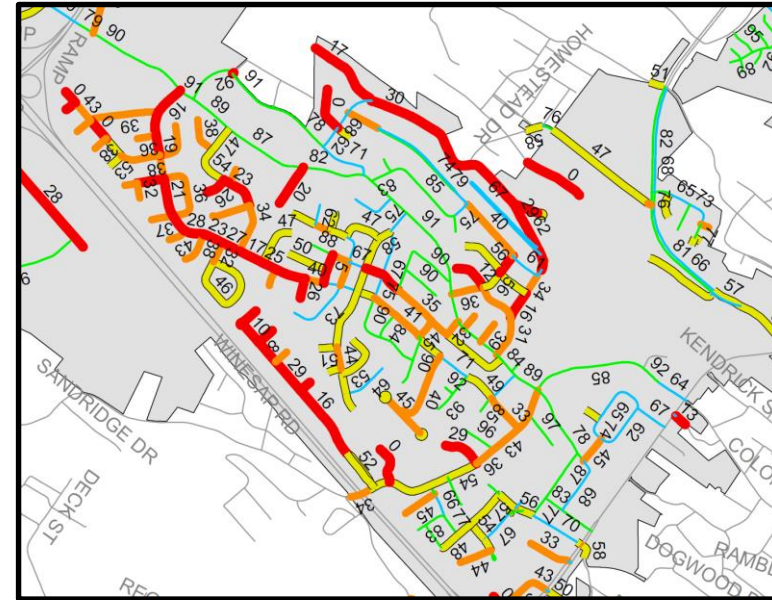
Kingsport BMA February 14, 2022

Kingsport - Sustainable Paving / Data Driven

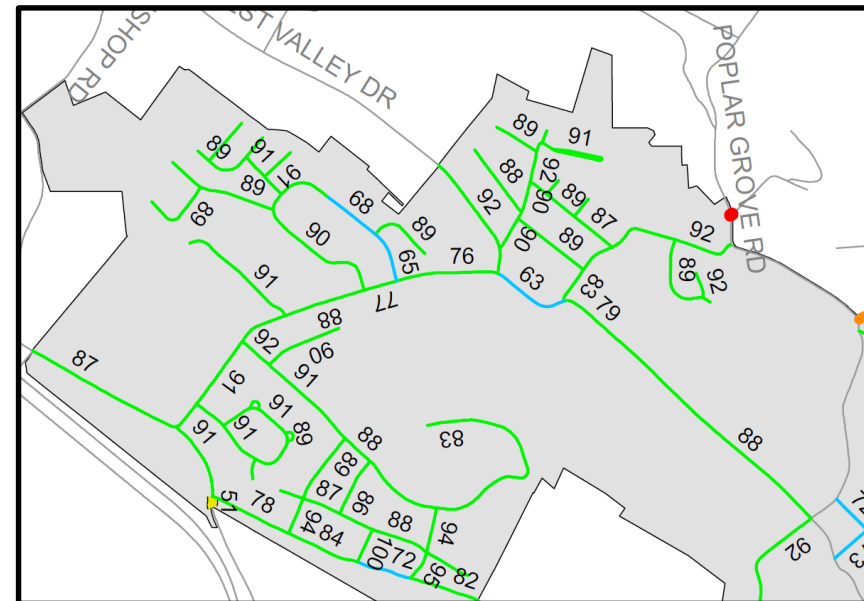


Kingsport - Sustainable Paving / Data Driven

- **Program Goal**
 - **Manage a Data Driven Resurfacing Effort that maintains streets at or above PCI 70 over a 20 year period.**
 1. **Transparent Assessment**
 - LIDAR Assessment every 5 years
 2. **Transparent Paving Plan**
 - www.pavekingsport.com



2016 Data



2016 Data

- **Program Outcomes**

- **Manage a Data Driven Resurfacing Effort that maintains streets at or above PCI 70 over a 20 year period.**

1. **Transparent Assessment**

- 2016 - City Wide Average PCI, 60.65
- 2021 – City Wide Average PCI, 67.88

2. **Transparent Paving Plan**

Pavement Condition Index (PCI) Range	Percent of Network 2016	Percent of Network 2021	Percent Change from 2016 to 2021
86-100	21.44%	25.19%	3.75%
71-85	17.93%	25.30%	7.37%
56-70	18.55%	21.16%	2.61%
41-55	20.46%	15.13%	-5.33%
26-40	15.11%	10.64%	-4.47%
11-25	6.02%	2.55%	-3.47%
0-10	0.49%	0.03%	-0.46%
Total	100.00%	100.00%	0.00%

Growth is Desired

Reduction is Desired

- **Transparent Paving Plan**

- **Data Driven**

- Objective vs. Subjective

- **Blended Approach**

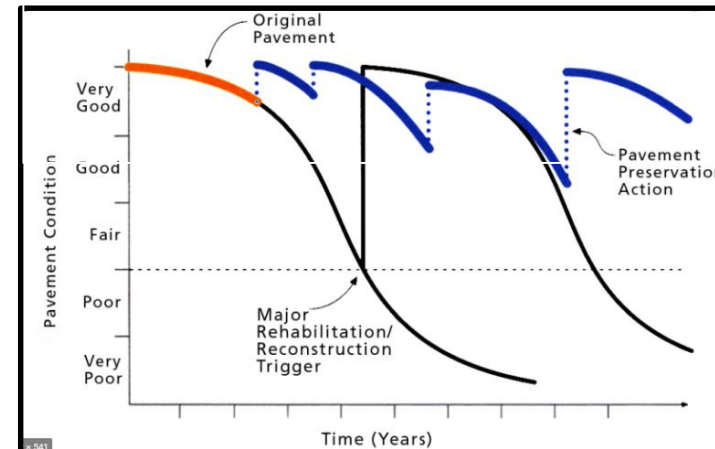
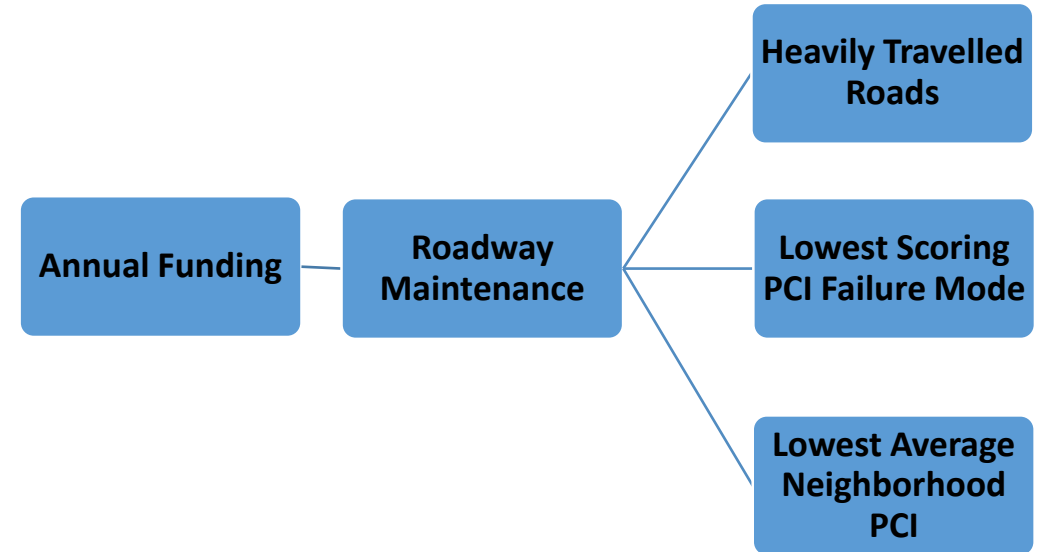
- Neighborhoods
 - Lowest Scoring PCI Street Sections
 - Main Roads

- **Maintenance Toolbelt**

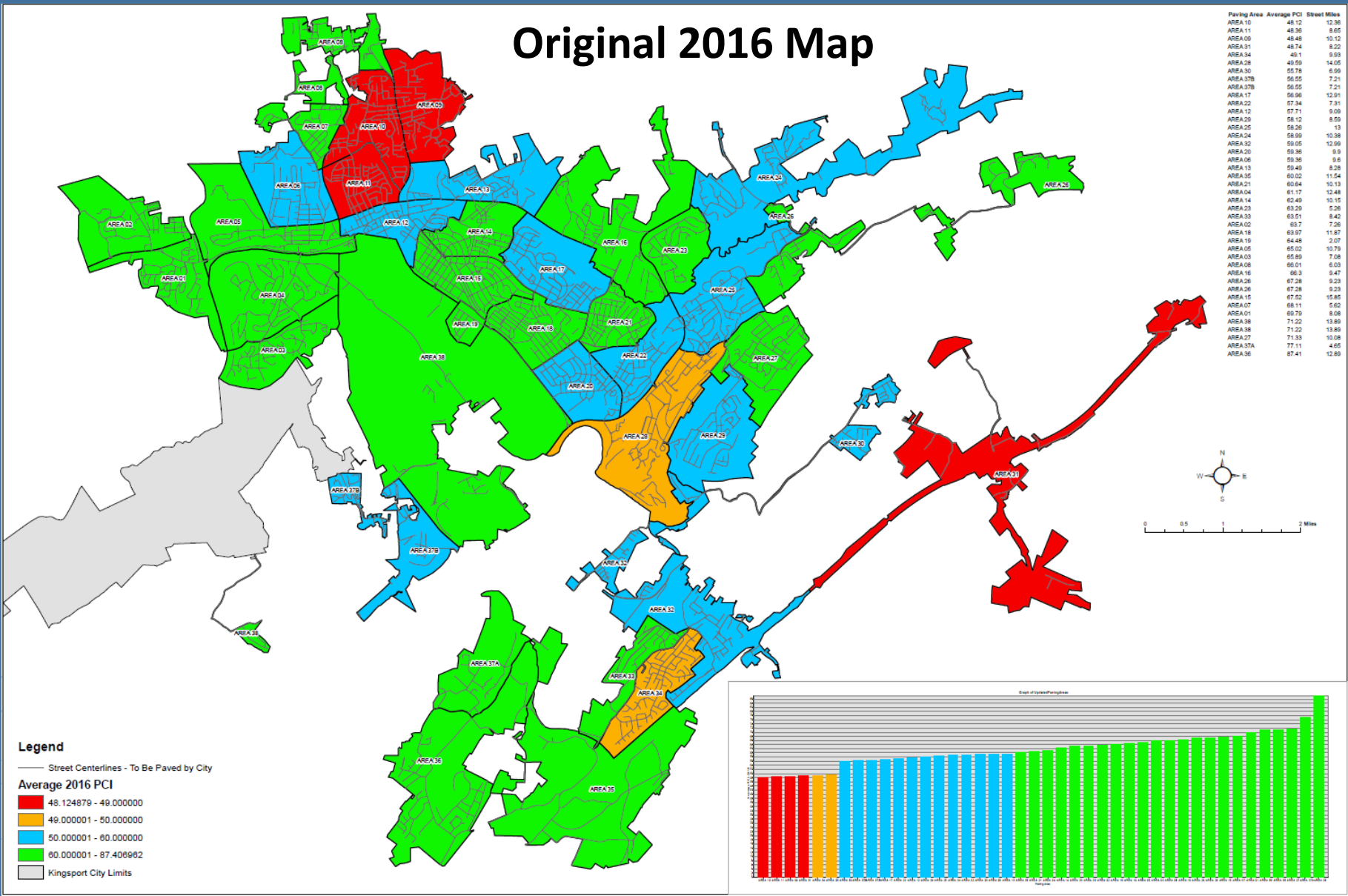
- Repave
 - Renew
 - Protect

- **Kingsport's Program**

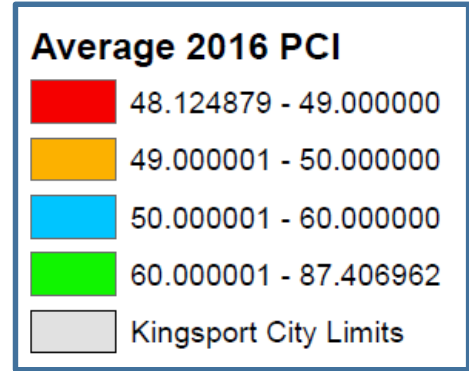
- All-Inclusive (utilities)
 - Base Repairs
 - Asphalt Overlaid Concrete



Kingsport - Sustainable Paving / Data Driven



Paving Area	Average PCI	Street Miles
AREA 10	48.12	12.36
AREA 11	48.36	8.65
AREA 09	48.48	10.12
AREA 31	48.74	8.22
AREA 34	49.1	9.93
AREA 28	49.59	14.05
AREA 30	55.78	6.99
AREA 37B	56.55	7.21
AREA 37B	56.55	7.21
AREA 17	56.96	12.91
AREA 22	57.34	7.31
AREA 12	57.71	9.09
AREA 29	58.12	8.59
AREA 25	58.26	13
AREA 24	58.99	10.38
AREA 32	59.05	12.99
AREA 20	59.36	9.9
AREA 06	59.36	9.6
AREA 12	59.40	8.28



Kingsport - Sustainable Paving / Data Driven

2021 Neighborhood Map

Paving Area	Street Miles	Avg PCI 2021
AREA 09	10.121131	49.66
AREA 28	14.05228	51.44
AREA 17	12.909412	51.71
AREA 29	8.591557	55.48
AREA 14	10.148756	56.59
AREA 20	9.897712	58.7
AREA 24	10.3822	58.79
AREA 37B	7.214305	59.07
AREA 37B	7.214305	59.07
AREA 13	8.279787	59.33
AREA 19	2.069629	59.38
AREA 22	7.313287	59.8
AREA 15	15.85482	62.4
AREA 21	10.126041	62.72
AREA 12	9.02694	63.06
AREA 03	7.07868	63.46
AREA 26	9.225698	64.36
AREA 26	9.225698	64.36
AREA 18	11.874911	64.98
AREA 06	9.59527	65.54
AREA 23	5.239	66.55
AREA 25	13.000124	66.57
AREA 08	6.032036	66.71
AREA 27	10.078796	66.79
AREA 05	10.791972	67.76
AREA 04	12.477625	68.6
AREA 16	9.46755	68.75
AREA 02	7.262377	69.25
AREA 01	8.079673	69.89
AREA 30	6.992826	70.34
AREA 38	13.889308	71.37
AREA 38	13.889308	71.37
AREA 35	11.53632	74.6
AREA 07	5.62182	76
AREA 11	8.651648	81.32
AREA 10	12.362838	81.97
AREA 12	12.990219	84.55
AREA 31	8.220779	85.37
AREA 33	8.422606	86.62
AREA 36	12.891457	86.83
AREA 34	9.933323	87.55
AREA 37A	4.646057	89.9

Paving Area Street Miles Avg PCI 2021

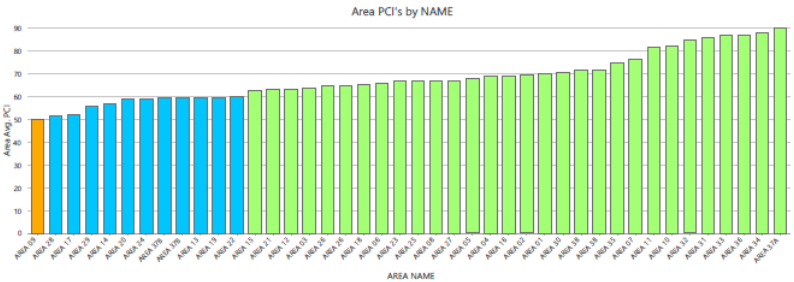
Paving Area	Street Miles	Avg PCI 2021
AREA 09	10.121131	49.66
AREA 28	14.05228	51.44
AREA 17	12.909412	51.71
AREA 29	8.591557	55.48
AREA 14	10.148756	56.59
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AREA 19	2.069629	59.38
AREA 22	7.313287	59.8
AREA 15	15.85482	62.4
AREA 21	10.126041	62.72

Average 2016 PCI

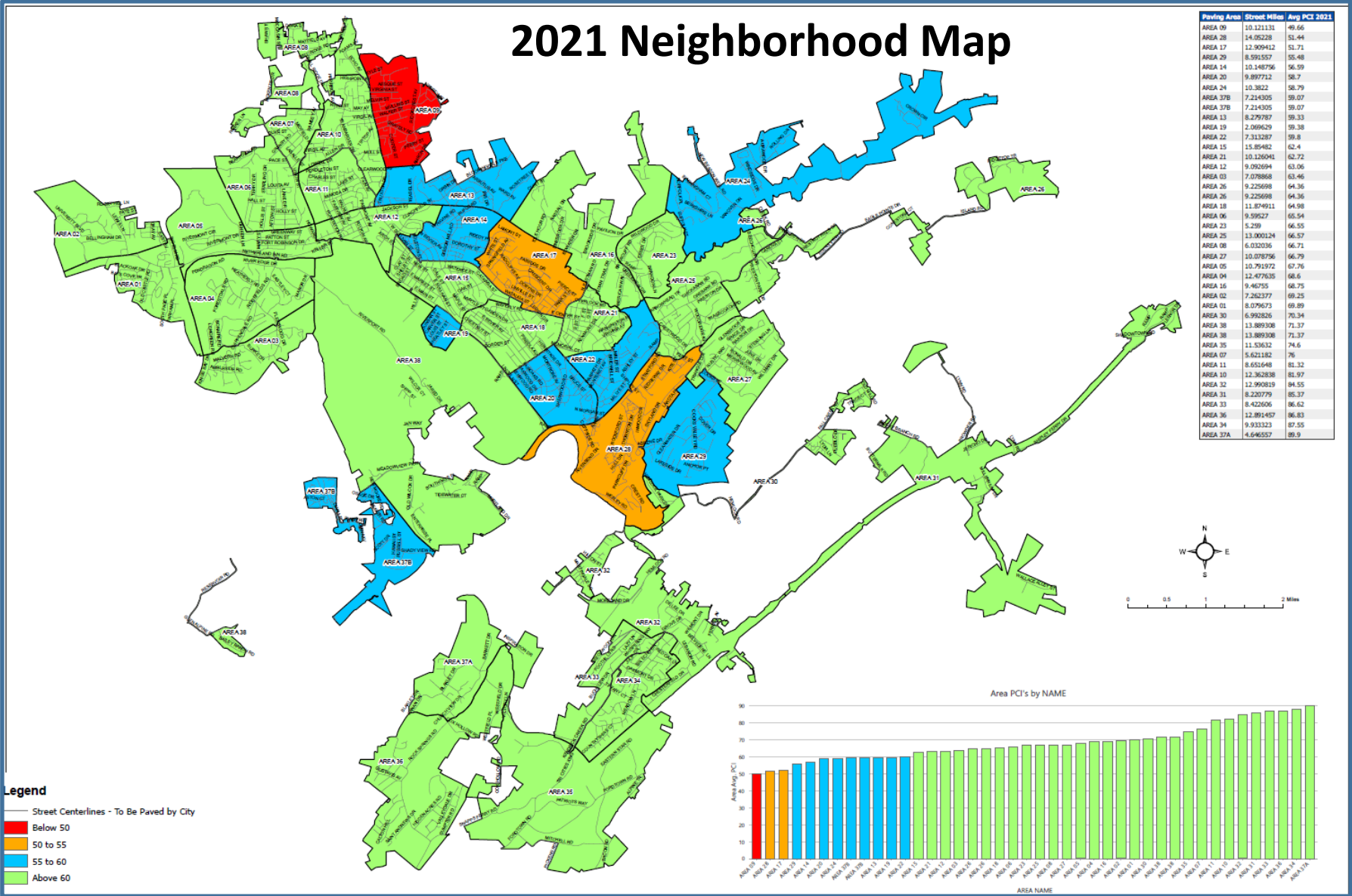
48.124879 - 49.000000
49.000001 - 50.000000
50.000001 - 60.000000
60.000001 - 87.406962
Kingsport City Limits

Legend

- Street Centerlines - To Be Paved by City
- Below 49
- 49.00 - 50.00
- 50.01 - 60.00
- Above 60



Kingsport - Sustainable Paving / Data Driven



Paving Area	Street Miles	Avg PCI 2021
AREA 09	10.121131	49.66
AREA 28	14.05228	51.44
AREA 17	12.909412	51.71
AREA 29	8.591557	55.48
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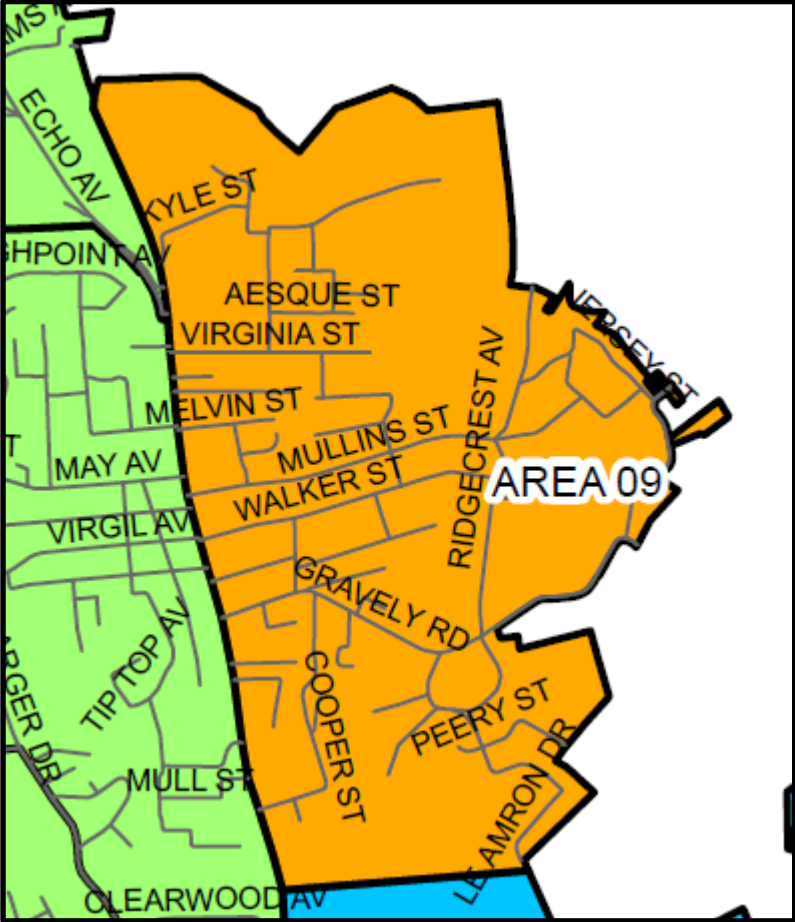
Average 2021 PCI

- Below 50
- 50 to 55
- 55 to 60
- Above 60

Kingsport - Sustainable Paving / Data Driven

Paving Area	Street Miles	Avg PCI 2021
AREA 09	10.121131	49.66
AREA 28	14.05228	51.44
AREA 17	12.909412	51.71
AREA 29	8.591557	55.48
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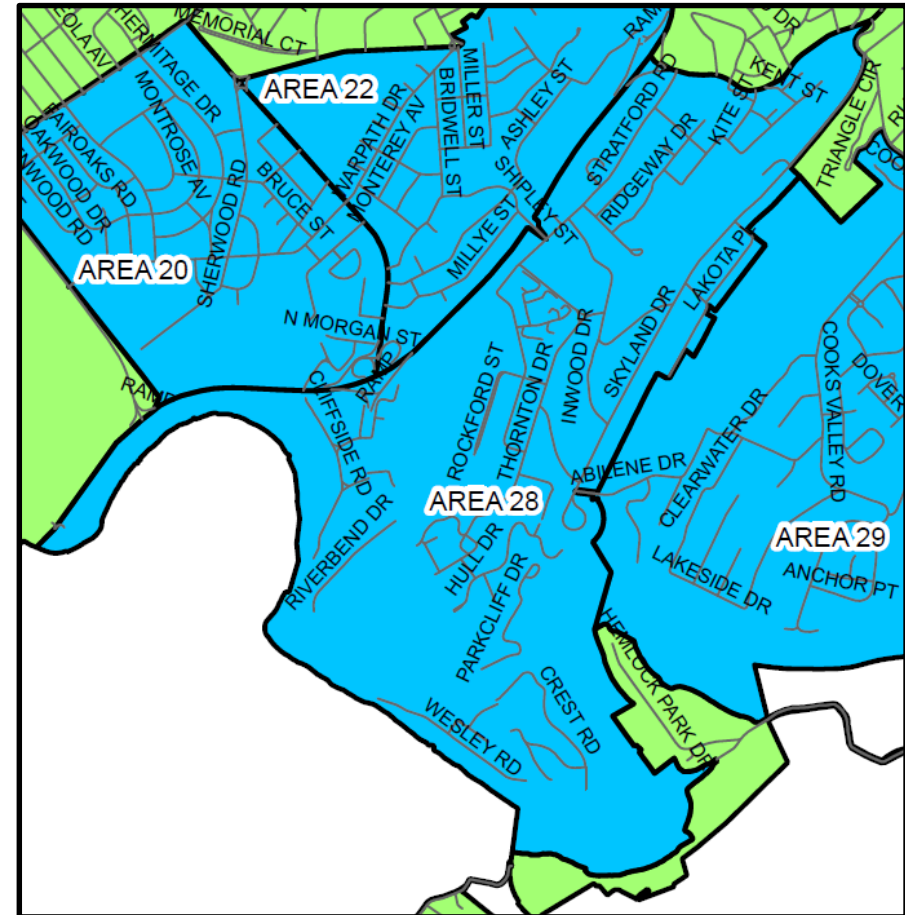
Area 9 – Eastern Lynn Garden



Kingsport - Sustainable Paving / Data Driven

Paving Area	Street Miles	Avg PCI 2021
AREA 09	10.121131	49.66
AREA 28	14.05228	51.44
AREA 17	12.909412	51.71
AREA 29	8.591557	55.48
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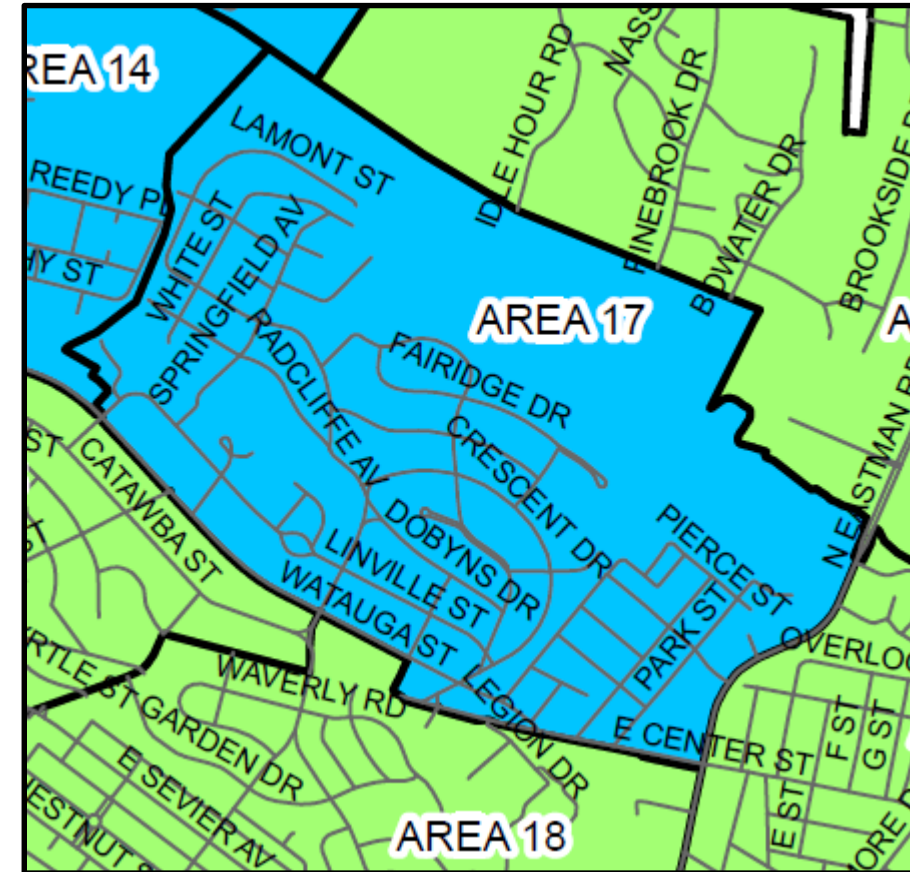
**Area 28 – Thorton, Stratford,
Cliffside, Parkcliff, Wesley, Skyland**



Kingsport - Sustainable Paving / Data Driven

Paving Area	Street Miles	Avg PCI 2021
AREA 09	10.121131	49.66
AREA 28	14.05228	51.44
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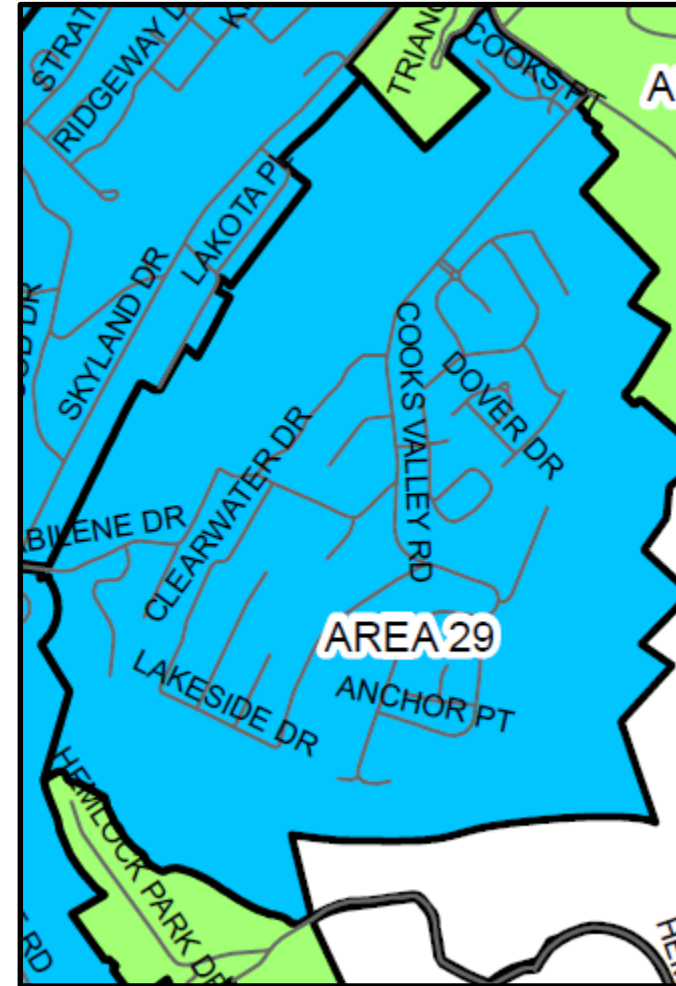
Area 17 – Fairacres



Kingsport - Sustainable Paving / Data Driven

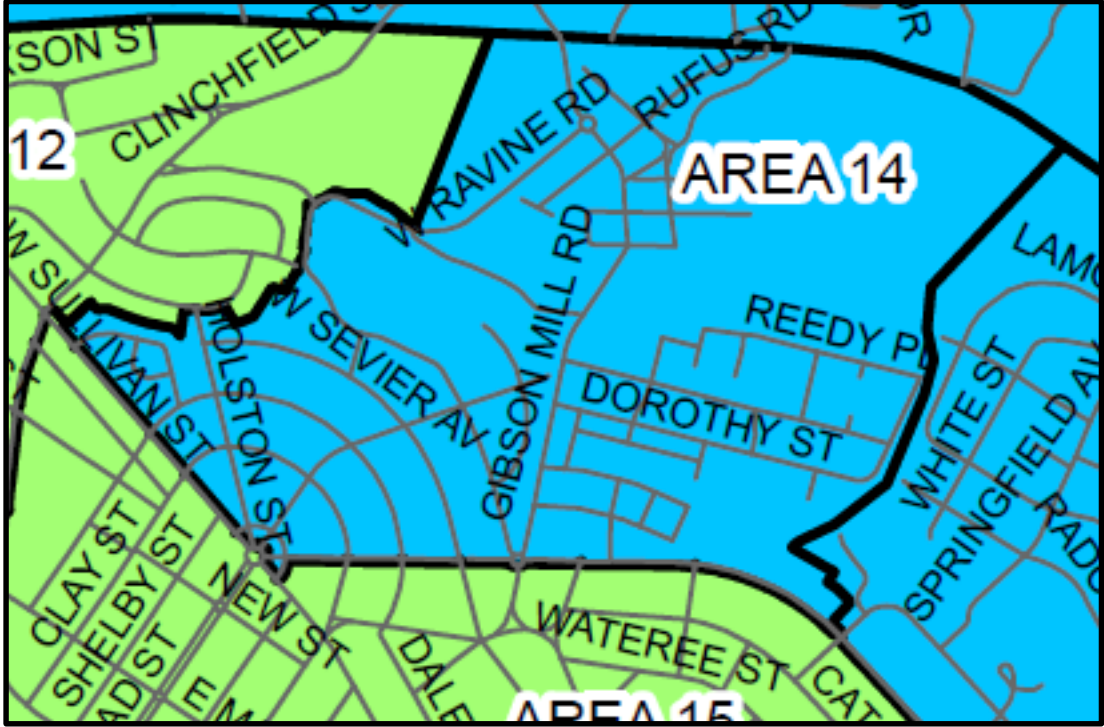
Paving Area	Street Miles	Avg PCI 2021
AREA 09	10.121131	49.66
AREA 28	14.05228	51.44
AREA 17	12.909412	51.71
AREA 29	8.591557	55.48
AREA 14	10.148756	56.59
AREA 20	9.897712	58.7
AREA 24	10.3822	58.79

Area 29 – Western Cooks Valley



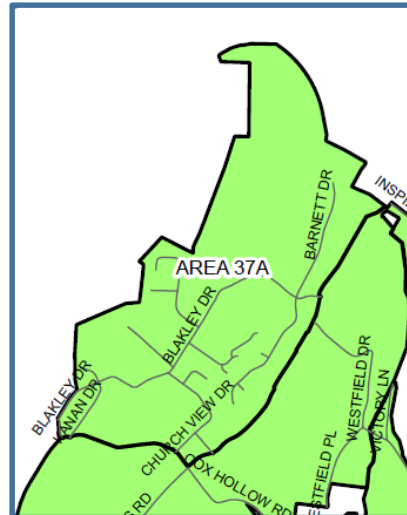
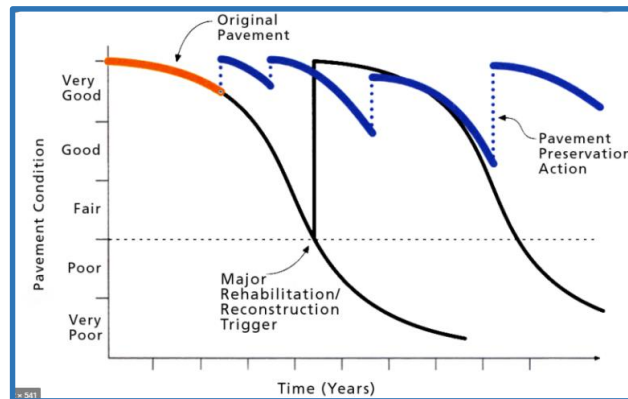
Kingsport - Sustainable Paving / Data Driven

Paving Area	Street Miles	Avg PCI 2021
AREA 09	10.121131	49.66
AREA 28	14.05228	51.44
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AREA 14	10.148756	56.59
AREA 20	9.897712	58.7
AREA 24	10.3822	58.79



**Area 14 – Gibson Town, Nelson Town
Radial Streets**

- **Maintenance Toolbelt**
 - Repave
 - Renew – Pavement Preservation
 - Protect – ROW Coordinator
- **Area 37A (Blakely Road Area)**
 - 2016 PCI - 77.11
 - 2021 PCI – 89.90



- **Program Summary**
 - **Positive Growth in PCI (60.65 – 67.88)**
 - **Transparent and Defendable**
 - **Affirms Dedicated Funding**
 - **Affirms Data Collection**
 - **Affirms Blended Approach**
 - **Neighborhood**
 - **Main Road**
 - **Worst First**



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Questions?