



Proposed Five Year Resurfacing Plan FY21 - FY25

Review and Approval Process

- Pavement Condition Evaluation
- Priority Consideration Given:
 - Council and Community Interests
 - Multi-Modal Streets and Collector Streets
 - Projects that Leverage Funds and Return
- Coordination with Internal Staff and Other Entities
- Bike-Pedestrian Champion Team Review and Recommendations
- Transportation and Connectivity Advisory Board
- Council Approval as Required

Pavement Condition Evaluation

- ~750 Town-Maintained Paved Streets
- ~165 Paved Centerline Miles

*Formal Pavement Condition Evaluation conducted by third party every two years.

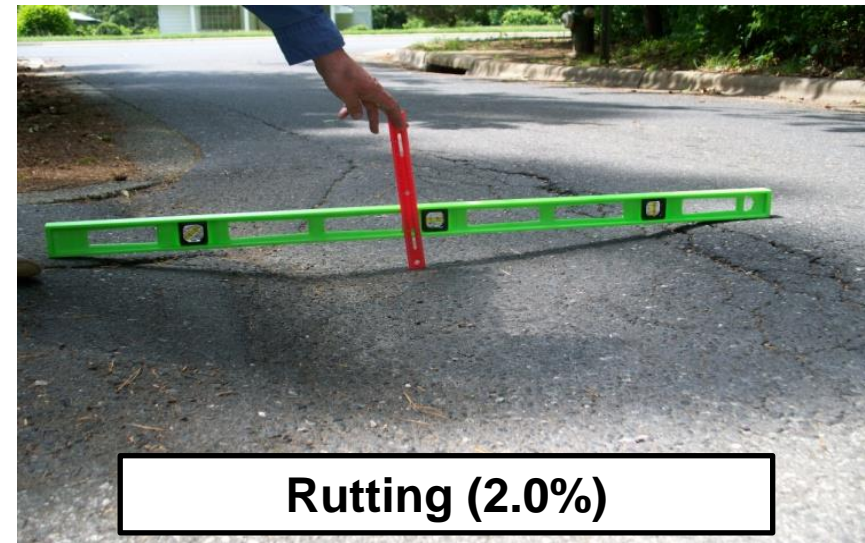
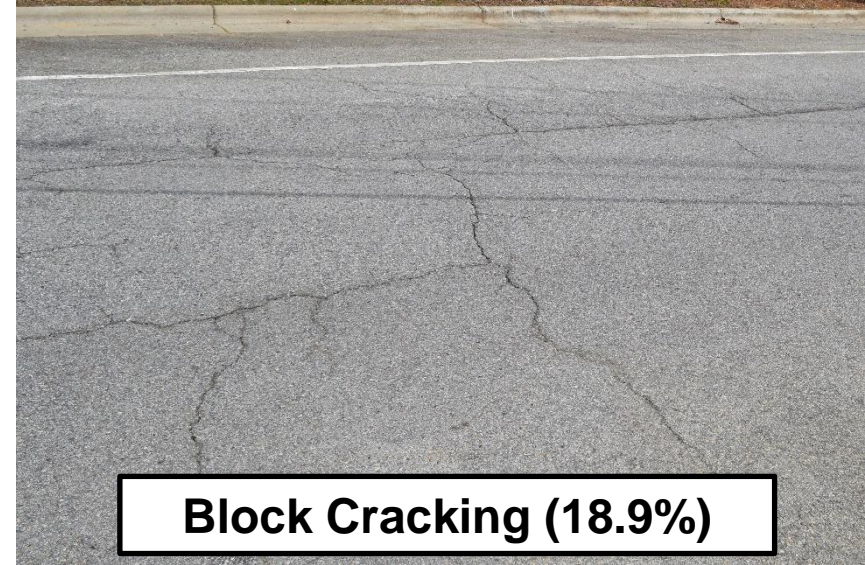
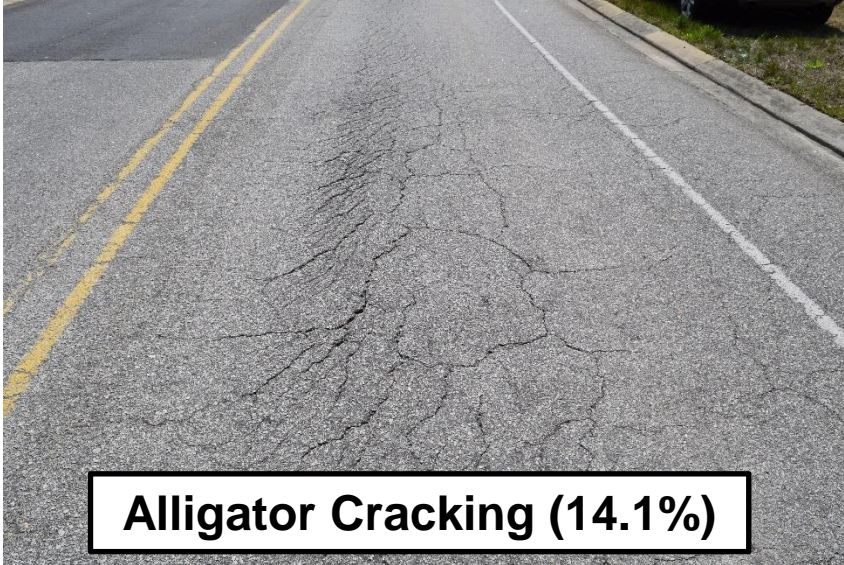
Table 6
PAVEMENT CONDITION SURVEY DISTRESS SUMMARY FOR RATED STREETS

Distress Items	Miles Low Volume	Miles High Volume	Total Miles	% Miles
1. Alligator Cracking				
None	86.84	29.54	116.39	70.1
Light	19.66	6.42	26.09	15.7
Moderate	6.29	3.19	9.48	5.7
Severe	9.56	4.42	13.99	8.4
2. Block Cracking				
None	12.02	8.38	20.41	12.3
Light	87.64	26.54	114.18	68.8
Moderate	19.35	5.97	25.33	15.3
Severe	3.34	2.68	6.02	3.6
3. Reflective Cracking				
None	122.23	43.58	165.81	99.9
Light	0.12	0.00	0.12	0.1
Moderate	0.00	0.00	0.00	0.0
Severe	0.00	0.00	0.00	0.0
4. Rutting				
None	118.06	42.38	160.44	96.7
Light	4.30	1.20	5.50	3.3
Moderate	0.00	0.00	0.00	0.0
Severe	0.00	0.00	0.00	0.0
5. Raveling				
None	119.77	41.98	161.75	97.5
Light	2.59	1.60	4.18	2.5
Moderate	0.00	0.00	0.00	0.0
Severe	0.00	0.00	0.00	0.0
6. Bleeding				
None	122.36	43.58	165.93	100.0
Light	0.00	0.00	0.00	0.0
Moderate	0.00	0.00	0.00	0.0
Severe	0.00	0.00	0.00	0.0
7. Ride Quality				
Average	117.92	37.80	155.72	93.8
Slightly Rough	4.43	5.78	10.21	6.2
Rough	0.00	0.00	0.00	0.0
8. Patching				
None	95.38	26.81	122.19	73.6
Light	17.80	6.42	24.22	14.6
Moderate	6.04	5.93	11.98	7.2
Severe	3.13	4.42	7.55	4.6
Total	122.36	43.58	165.93	100.00

Note: Columns may not add up exactly due to rounding.

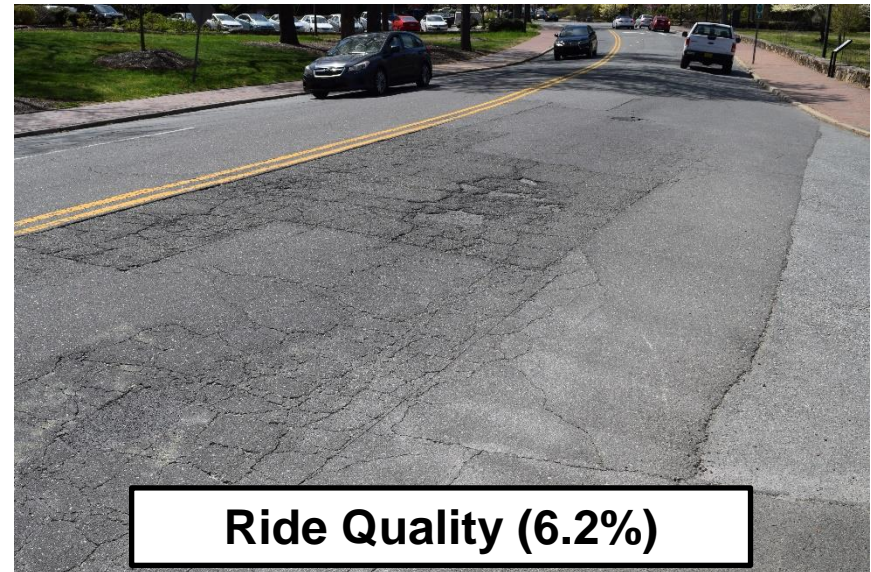
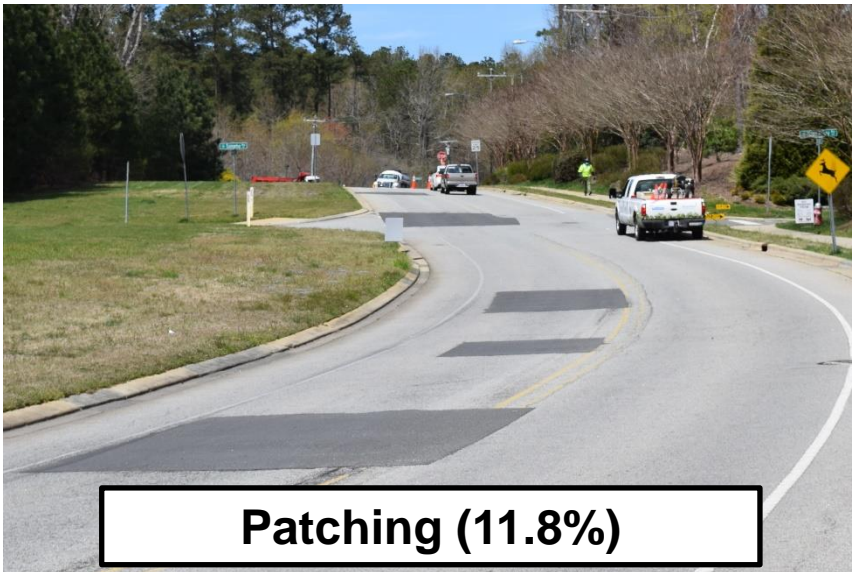
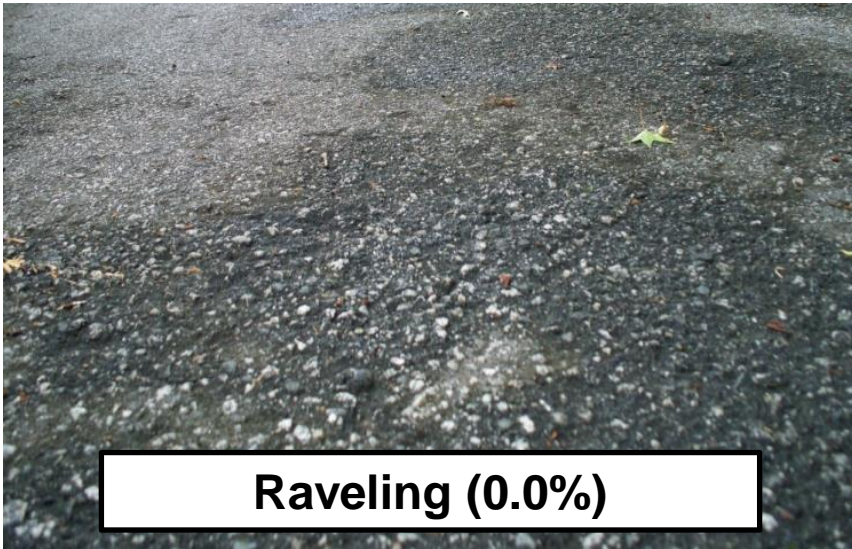
Pavement Distresses

(Percent of Town-Maintained Streets)



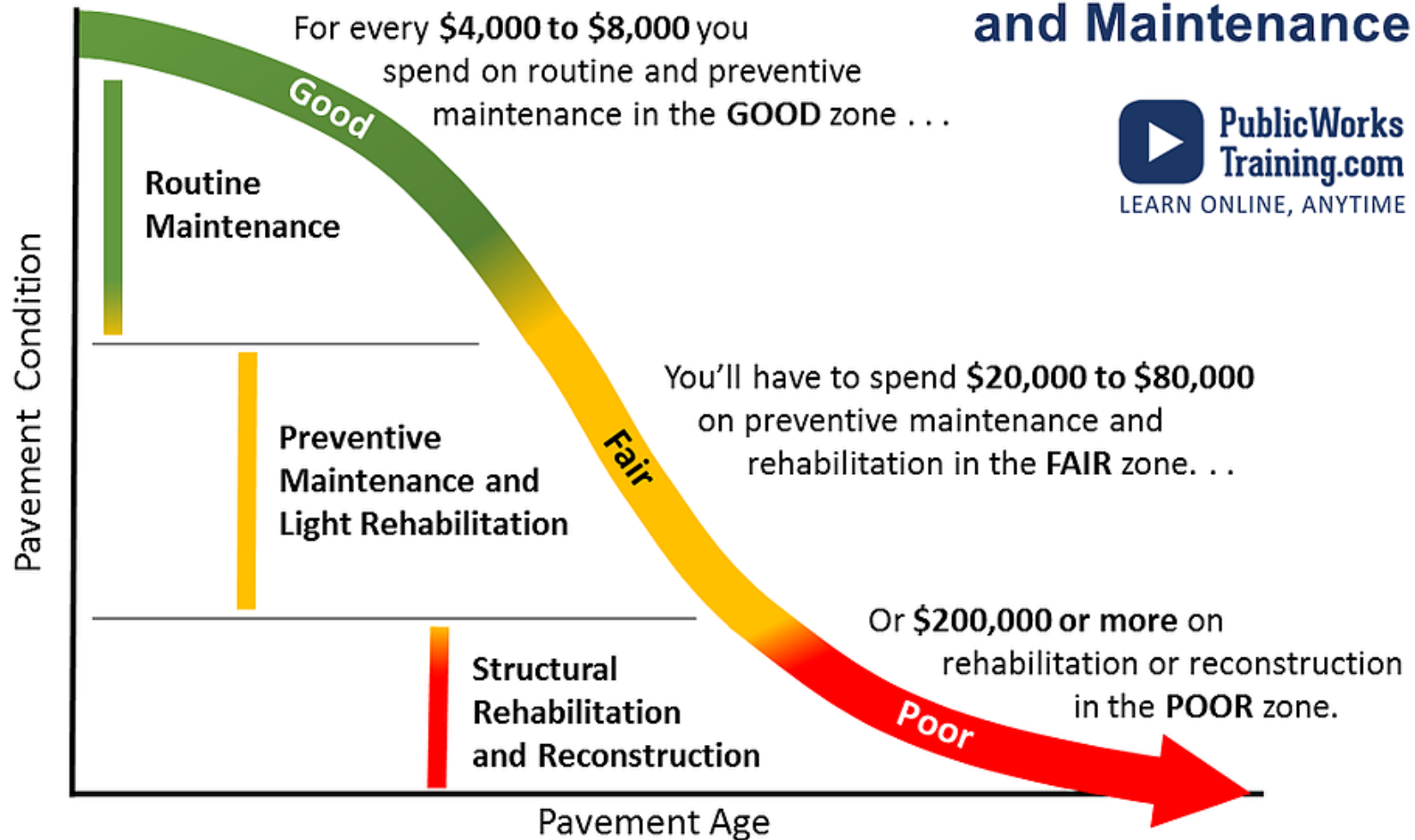
Pavement Distresses

(Percent of Town-Maintained Streets)



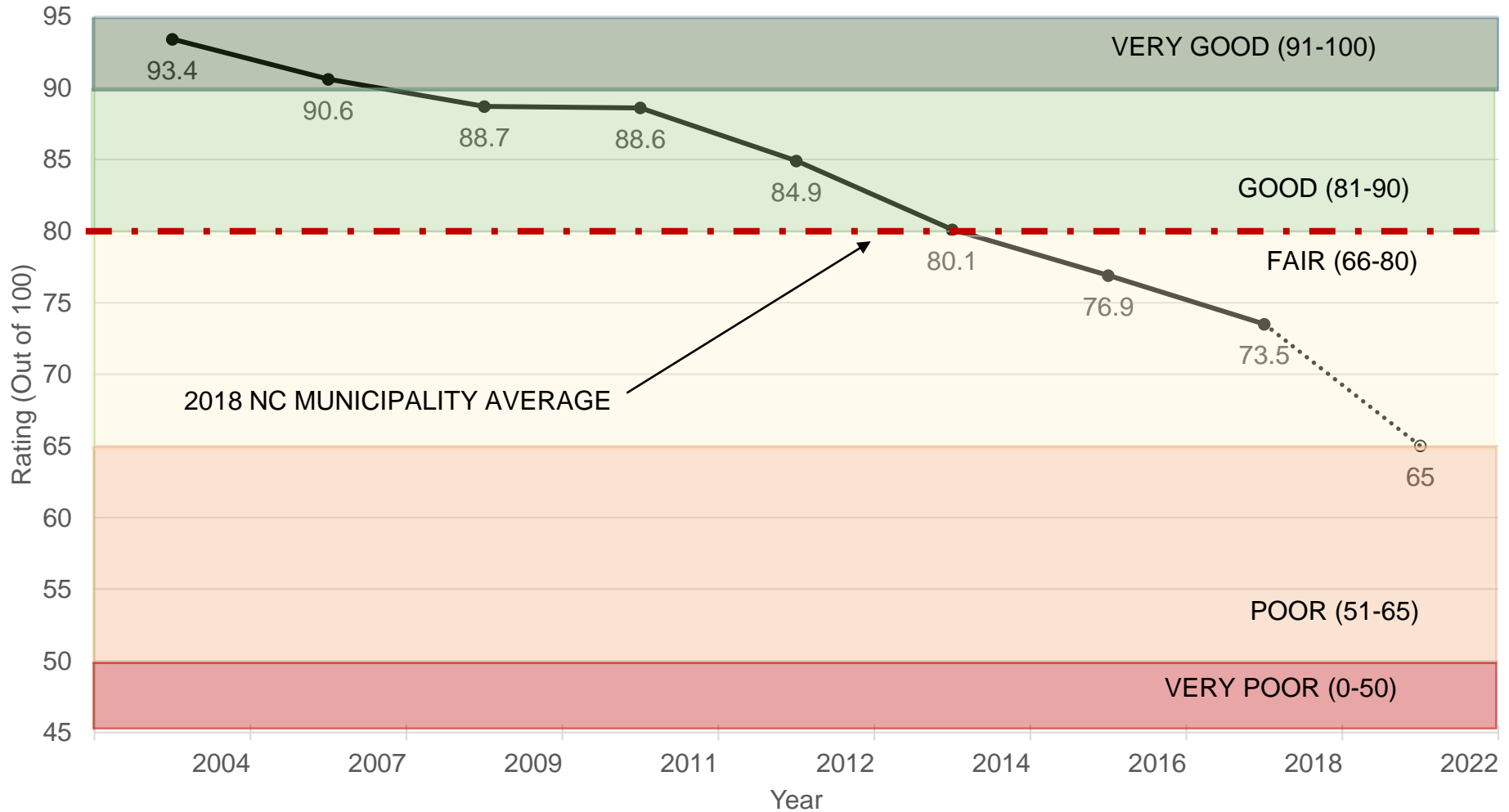
Pavement Deterioration Curve

Pavement Deterioration and Maintenance



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Pavement Condition Evaluation



Review and Approval Process

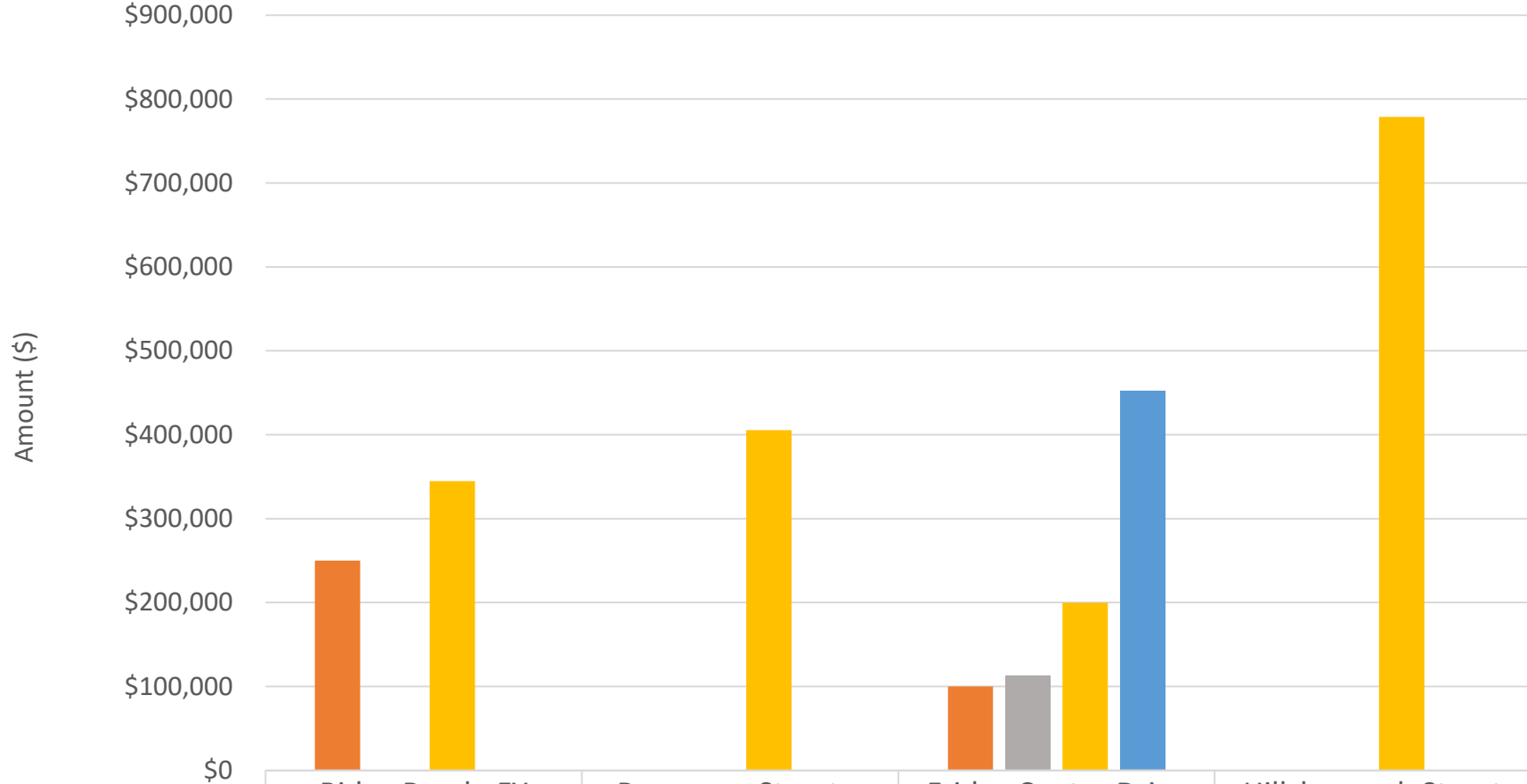
- Pavement Condition Evaluation
- **Priority Consideration Given:**
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**Examples: Rosemary Street, Ridge Road, & Friday Center Drive*

Council and Community Interests



Town of Chapel Hill Street Reconstruction Funds



UNC Contribution	\$250,000	0	\$100,000	0
Other Town Capital Funds		0	\$113,000	0
Bond Funds	\$344,800	\$405,400	\$199,900	\$778,700
Federal (MPO) Funds	0	0	\$452,000	0

Projects that Leverage Funds

Friday Center Drive: Before



Friday Center Drive: After



Projects that Leverage Funds

Ridge Road – Before



Ridge Road – During



Ridge Road – After



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**Examples: UNC,
NCDOT, OWASA,
Duke Energy, etc.*

Coordination with Other Entities



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL



Spectrum▶



at&t



FY20-21 Proposed Street Resurfacing List

STREET (YEARS SINCE REPAVING)	FROM	TO	RATING		EST. COST
Barclay Rd. (19)	MLK Blvd.	End pavement	57-63*	Poor	\$ 85,728
Fountain Ridge Rd. (24)	Colony Woods Dr.	Pope Rd.	0	Very Poor	\$ 43,578
Graham St. (N) (23)	Rosemary St.	Franklin St.	59	Poor	\$ 19,336
Highgrove Dr. (20)	Cul-de-Sac	Parkview Crescent	20	Very Poor	\$ 75,940
Roberson St. (N) (15)	Rosemary St.	Franklin St.	80	Fair	\$ 11,487
Severin St. (25)	Bradley Rd.	Dead End	0	Very Poor	\$ 63,506
Weiner St. (16)	Barclay Rd.	Severin St.	47	Very Poor	\$ 12,699
*Maywood Way (15)	Old Larkspur Way	Dead End	70	Fair	\$ 78,199
Contingency/Contract Patching (Locations TBD) and Pavement Markings					\$ 130,622
TOTAL (FY 21-22)					\$ 521,015

Multi-Modal

Collector

Coordination with OWASA

*Contingent on available funds

FY21-22 Proposed Street Resurfacing List

STREET (YEARS SINCE REPAVING)	FROM	TO	RATING		EST. COST
Country Club Rd. (13)	Raleigh St.	Gimghoul Rd.	32	Very Poor	\$ 443,100
Country Club Rd. (14)	Gimghoul Rd.	Raleigh Rd.	58	Poor	\$ 131,900
Hooper Ln. (23)	Battle Ln.	Boundary St.	64	Poor	\$ 14,984
Senlac Rd. (24)	Battle Ln.	Boundary St.	21	Very Poor	\$ 16,920
Contingency/Contract Patching (Locations TBD) and Pavement Markings					\$ 61,611
TOTAL (FY 21-22)					\$ 668,515

Multi-Modal

Collector

Coordination with OWASA

FY 22-23 Proposed Street Resurfacing List

STREET (YEARS SINCE REPAVING)	FROM	TO	RATING		EST. COST
Bolinwood Dr. (23)	MLK Blvd.	Whistling Tree Ct.	54	Poor	\$ 38,484
Bolinwood Dr. (28)	Whistling Tree Ct.	Hillsborough St.	0	Very Poor	\$ 55,498
Burning Tree Dr. (23)	NC 54	Pinehurst Dr.	46	Very Poor	\$ 190,031
Cameron Ave. (20)	Merritt Mill Rd.	Pittsboro St.	27	Very Poor	\$ 207,733
Francis St. (29)	Ephesus Church Rd.	Cul-de-Sac	8	Very Poor	\$ 31,537
Cooper St. (15)	Garden St.	Old Durham Rd.	42	Very Poor	\$ 22,974
Legion Rd. Ext. (16)	Scarlett Dr.	Cooper St.	39	Very Poor	\$ 21,188
New Castle Dr. (27)	Lancaster Dr.	Galway Dr.	23	Very Poor	\$ 61,655
Contingency/Contract Patching (Locations TBD) and Pavement Markings					\$ 39,418
TOTAL (FY 22-23)					\$ 668,515

Multi-Modal

Collector

Coordination with OWASA

FY23-24 Proposed Street Resurfacing List

STREET (YEARS SINCE REPAVING)	FROM	TO	RATING		EST. COST
Caswell Rd. (32)	Cumberland Rd.	Estes Dr.	47	Very Poor	\$ 55,187
Caswell Rd. (24)	Estes Dr.	Cumberland Rd.	64	Poor	\$ 43,691
Europa Dr. (29)	Legion Rd.	End Maintenance	22	Very Poor	\$ 47,419
Heather Ct. (30)	Clover Dr.	Circle	19	Very Poor	\$ 11,844
Legion Rd. (16)	Ephesus Church Rd.	Scarlett Dr.	16	Very Poor	\$ 222,710
Oakwood Dr. (25)	Raleigh Rd.	Cleland Rd.	31	Very Poor	\$ 201,392
Contingency/Contract Patching (Locations TBD) and Pavement Markings					\$ 86,270
TOTAL (FY 23-24)					\$ 668,515

Multi-Modal

Collector

Coordination with OWASA

FY24-25 Proposed Street Resurfacing List

STREET (YEARS SINCE REPAVING)	FROM	TO	RATING		EST. COST
Brookside Dr. (29)	Hilltop St.	McCauley St.	46	Very Poor	\$ 36,773
Catesby Ln. (28)	Collinson Dr.	Cul-de-Sac	80	Fair	\$ 11,177
Colburn Pt. (27)	Marin Dr.	Cul-de-Sac	44	Very Poor	\$ 13,339
Collinson Dr. (27)	Piney Mountain Rd.	Cul-de-Sac	28	Very Poor	\$ 42,704
Crest Dr. (19)	Merritt Mill Rd.	Johnson St.	19	Very Poor	\$ 33,417
Nuttal Pl. (28)	Collinson Dr.	Cul-de-Sac	48	Very Poor	\$ 10,049
Pinehurst Dr. (20)	Burning Tree Dr.	Ephesus Church Rd.	41	Very Poor	\$ 326,506
Ridgecrest Dr. (19)	Lake Shore Dr. (S)	Old Oxford Rd.	46	Very Poor	\$ 50,882

Multi-Modal

Collector

Coordination with OWASA

FY24-25 Proposed Street Resurfacing List (Cont.)

STREET (YEARS SINCE REPAVING)	FROM	TO	RATING		EST. COST
Riggsbee Rd. (29)	Brookview Dr.	Piney Mountain Rd.	36	Very Poor	\$ 19,890
Tenney Cir. (23)	Glenburnie St.	Tenney Cir.	18	Very Poor	\$ 24,613
Woodleaf Dr. (25)	Seawell School Rd.	Cul-de-Sac	28	Very Poor	\$ 37,412
Contingency/Contract Patching (Locations TBD) and Pavement Markings					\$ 61,753
TOTAL (FY 24-25)					\$ 668,515

Multi-Modal

Collector

Coordination with OWASA

Alternate Street Resurfacing List

STREET (YEARS SINCE REPAVING)	FROM	TO	RATING		EST. COST
Bradley Rd. (26)	Umstead Dr.	Williams Cir.	27	Very Poor	\$ 74,149

- The five-year plan assumes the baseline operating budget of \$668,515. Additional bond funds may be available upon the next issuance (date currently unknown).*

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Connections to Mobility Plan

- Each year, Bike-Pedestrian Team and Streets staff identify and discuss connections between resurfacing plan and mobility plan
- Mobility Plan items are coordinated with resurfacing when:
 - Feasible to complete within budget (typically smaller projects or other funding sources can be leveraged)
 - Mobility project pre-requisites are complete (i.e., traffic studies, road diet studies, etc.)

Questions?



Images of Chapel Hill's Franklin Street - From 1892 to the present.
Courtesy North Carolina Collection and Chris Conway.