



Better Block Fay NC
Build A Better Murchison

Eric Vitale

Work: (910) 678-7632

Home: ericmichaelvitale@gmail.com

Work: evitale@co.cumberland.nc.us

Angie Hedgepeth

Work: (910) 323-1421

Fax: (910) 323-0955

Work:

ahedgepeth@fayettevillencmls.com

Project Background & Purpose

Temporary Demonstration Project

Community-Designed

Smart Growth Grant

Transforms Streetscape With:

- Narrowed Traffic Lanes
- Greenery-Lined Median
- Bike Lanes
- Crosswalks

Entertainment (Music, Art, Food, Activities)

‘Block Party with a Purpose’

Improves:

- Community Togetherness
- Safety
- Bike & Walkability
- Property Values
- Economy
 - Increased Foot Traffic → Increased Sales and Exposure



Why Fayetteville?

- Fayetteville is **LAST** in the country in walkability
- Unsafe
 - Lack of Infrastructure
 - Excessive Speeding
 - Lots of Traffic
 - Narrow Sidewalks
- Plenty of Demand

Cities

141 cities we rate with a population of 200,000 or greater have an average Walk Score of 49.

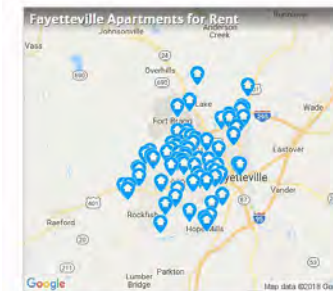


WALK SCORE TRANSIT SCORE BIKE SCORE

Walk Score measures the walkability of any address based on the distance to nearby places and pedestrian friendliness.

90-100	Walker's Paradise Daily errands do not require a car
70-89	Very Walkable Most errands can be accomplished on foot
50-69	Somewhat Walkable Some errands can be accomplished on foot
25-49	Car-Dependent Most errands require a car
0-24	Car-Dependent Almost all errands require a car

Living in Fayetteville



Walk Score
21

Fayetteville has an average Walk Score of 21 with 202 residents.

The most walkable Fayetteville neighborhoods are **D4 Terry Sanford** and **Westover**.

[Nearby Apartments](#)

[View Fayetteville apartments for rent.](#)

More Walk-Friendly



Turnout of About 2,500 People



Build A Better Haymount Event

March 10th, 2018

The Highlights

- Bike Lanes, Usable Crosswalks, A Plaza with Seating, A Greenery-Lined Median
- Food Trucks, Music, Art, Vendors, Face Painting, Magic, and More

The Response

Community:

- "This is a Safe, Family-Friendly Event, It Benefits the Community Overall"

Local Businesses:

- "We did really, really, really, really well"
- "The foot traffic into my business was awesome"

Bike/Ped Friendliness:

- "Felt Safer Walking and Biking in Town"
- "Let's Make These Crosswalks Really Happen"

The Event/Permanent Changes:

- "It Would Be Really Nice If This Event Continues On A Yearly Basis"
- "Move Forward with Permanent Changes"



More Bike-Friendly



Creating a Place for Everyone



Official Event Video

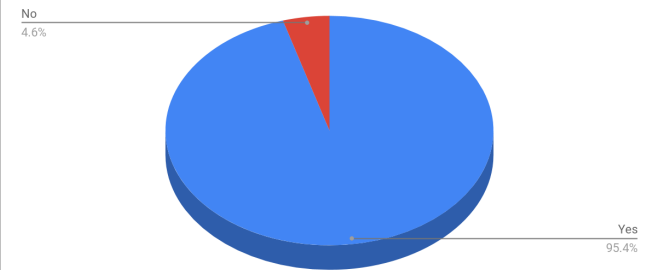


- <https://www.youtube.com/watch?v=28ZAtBqDOdA>

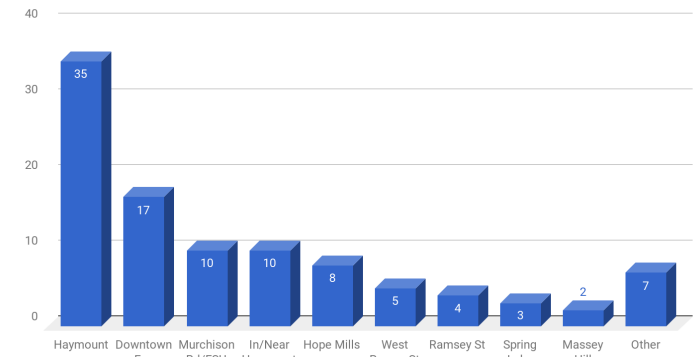
Response to Another Better Block Project

- “IMMEDIATELY..”
- “Everywhere”
- “Yes, not sure, Everywhere in Fayetteville Needs it”
- “Yes, Once a Month at Least”

Would You Suggest Another Better Block Project? If so, where?



Better Block Suggested Locations



Build A Better Murchison



Why Murchison?



Key Gateway into Downtown



Underutilized Corridor with Potential



Healthy Mix of Uses



Active Walking and Biking Community



Safety Concerns



Lack of Adequate Infrastructure



Insufficient Connectivity



Close Proximity to:

Mazarick Park, Cross Creek Trail,
Future Site of New Senior
Center, Segra Stadium

About the Project

- Half Day Demonstration
- To Occur on a Saturday
- Official Date: March 7, 2020

Key Feature of the Project

Fayetteville's First Ever Two Way Cycle Track
Filter Plant Drive → Langdon Street

https://www.youtube.com/watch?v=S37ncM4_uCQ



Two Way Cycle Track





Other Features of the Project

New
Crosswalks

Greenery-
Lined Median

Concert Area

Vendor/Artist
Area

Food Trucks

Café Areas

Bike Racks

Benches

Concert Area with Seating



Bronco Plaza 1



Bronco Plaza 2



Seabrook Lot





First Steps Completed



Selected

Project Area



Created

3D Model



Applied For

Smart Growth Grant



Received

Funds



Received

Approval From The
University



Applied For

Permits & Insurance

Next Steps Completed



SELECTED EVENT DATE



OBTAINED PERMITS &
INSURANCE



MET WITH BUSINESS &
PROPERTY OWNERS



UPDATED WEBSITE &
SOCIAL MEDIA



FORMED STEERING
COMMITTEE



HELD FIRST STEERING
COMMITTEE MEETING
(IN PROGRESS)

How Can You Help Us?



Recruitment (Entertainment,
Volunteers)



Sponsorship/Partnership



Donation of Supplies & Materials



Marketing & Promotion



Planning & Logistics



VOLUNTEERS



Musicians



Artists



Vendors



Other Entertainers
(Magicians, Hula Hooper,
Firefighters, etc.)

Recruitment

Tables

Chairs

Benches

Bike Racks

Greenery (Street Trees, Planters, Plants, Etc.)

Athletic Field Striper

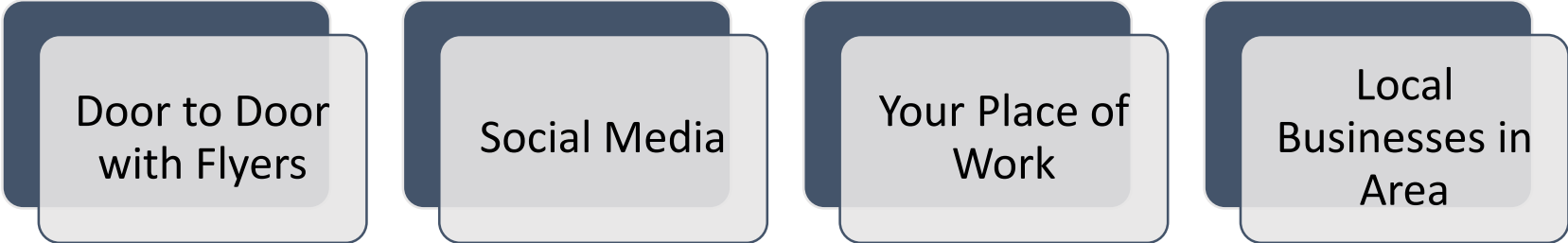
Safety Vests

Clipboards

Sidewalk Chalk

Stage

Donation of Supplies &
Materials



Door to Door
with Flyers

Social Media

Your Place of
Work

Local
Businesses in
Area

Marketing & Promotion



Porter Johns
(Location, Quantity)



Trash and Recycling
Bins (Location,
Quantity)



Parking for Event Day



Detours for Traffic



Storage and
Transportation of
Materials/Supplies

Planning & Logistics



Implementation

Prepping Event Materials

Set-Up of Event

Clean-Up of Event



Documentation & Evaluation

Photography/Videography

Surveys


Interviews

Traffic Counts & Analysis

Other Important Teams To Be
Formed Later

Committees/Teams

- **Recruitment Team**
- **Supplies & Materials Team**
- **Marketing & Promotion Team**
- **Planning & Logistics Team**
- Implementation Team (Later)
- Documentation & Evaluation Team (Later)



*Tasks 1-4 Are
Most Important
Right Now*



Eric Vitale

Work: (910) 678-7632

Home:
ericmichaelvitale@gmail.com

Work: evitale@co.cumberland.nc.us

Angie Hedgepeth

Work: (910) 323-1421

Fax: (910) 323-0955

Work:
ahedgepeth@fayettevillencmls.com

Questions?



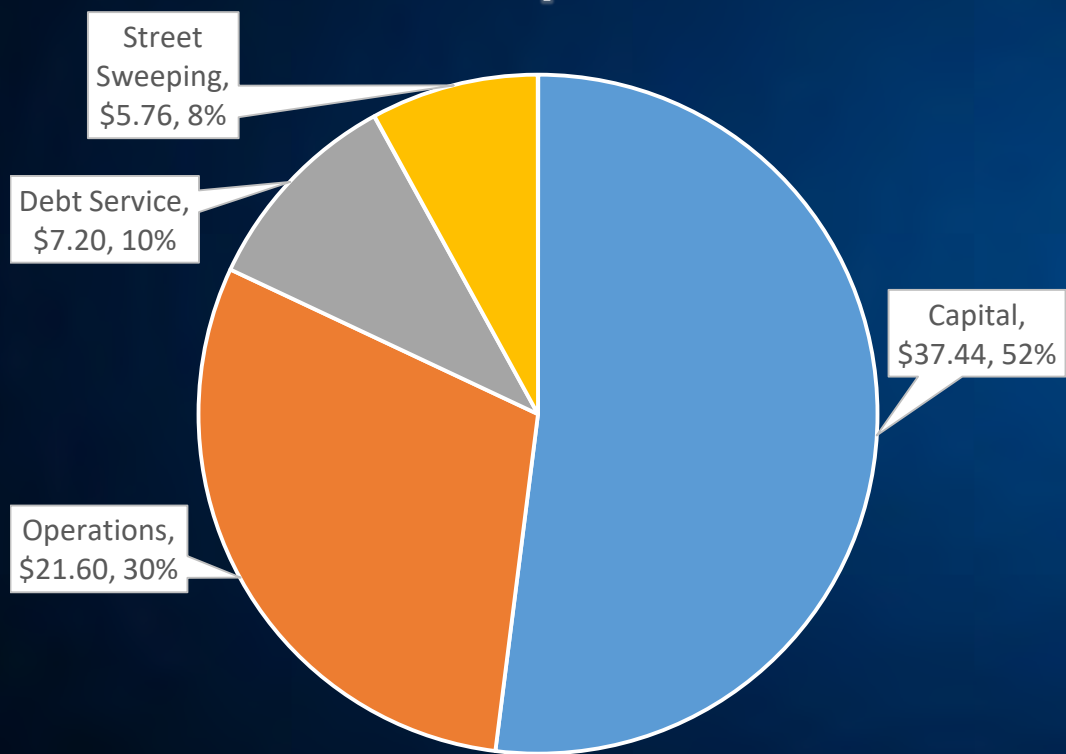
Stormwater Program Overview

City of
Fayetteville
North Carolina



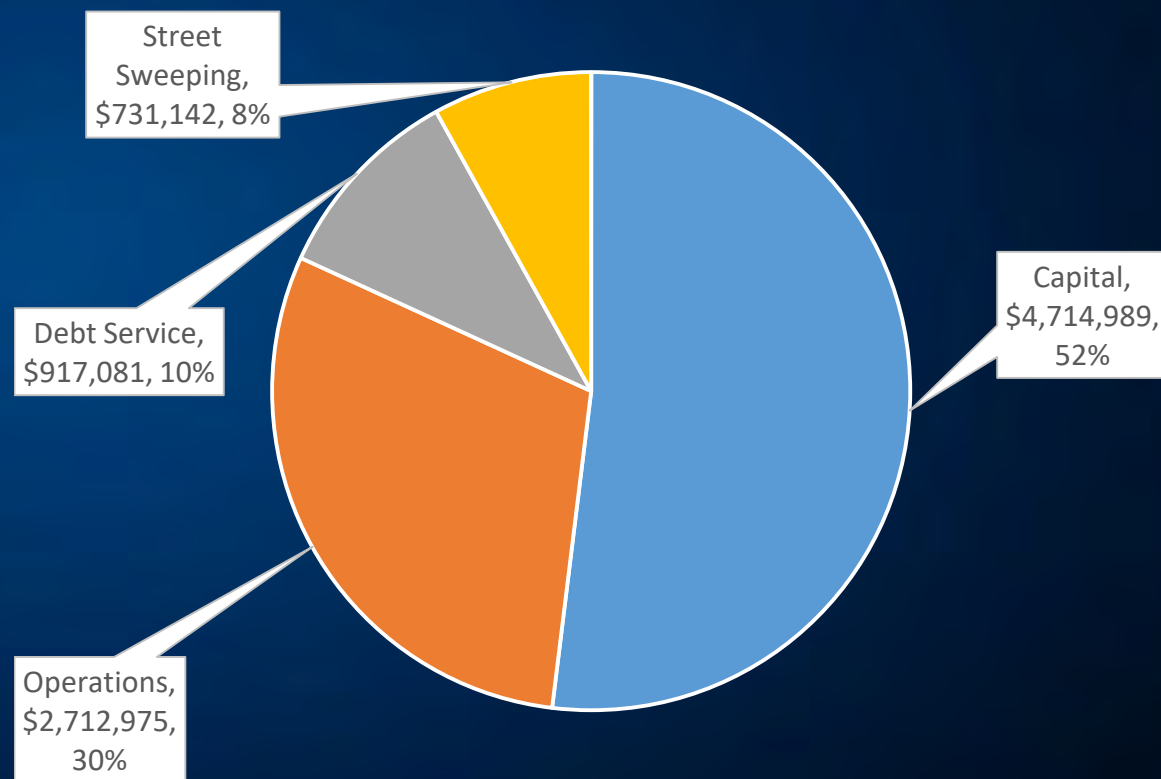
Stormwater Funding

Fee - \$72 per household



■ Capital ■ Operations ■ Debt Service ■ Street Sweeping

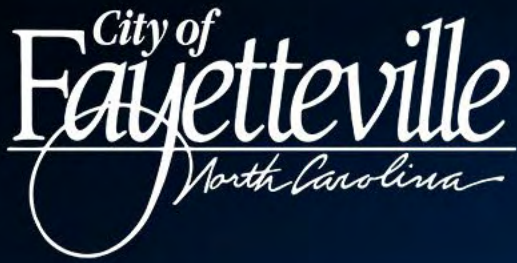
FY19 Budget



■ Capital ■ Operations ■ Debt Service ■ Street Sweeping

Stormwater Program

- Two Part Program
 - Quality
 - NPDES Permit
 - Quantity
 - Capital Improvement Program
 - Two (2) spot repair projects completed on Landau Road (\$138,000)
 - One potential future CIP – Sunbury Drive - \$2,000,000
 - Drainage Assistance Program
 - Spot Repair Program
 - Watershed Studies



Drainage Assistance Program

- Provides assistance for infrastructure repair on single family residential properties
 - Structural failures
 - Separated pipes
 - Situations requiring special equipment
 - Potential for flooding of public roadway due to system failure
- Detailed eligibility determined by an engineering investigation
- Residents can call the Stormwater hotline to make a request
 - 910-433-1240
- Currently 31 requests within District 3



Drainage Assistance Program

Interactive Map Demonstration by Gradient

Questions?



Sidewalks

Community Meeting

Friday, November 15, 2019

City of
Fayetteville
North Carolina



Pedestrian Plan

Council Approved May 2018

**Sidewalk or Intersection
Improvements in District 3
(12 Sidewalk, 5 Intersections)**

***Prioritization Factors**
(School, Commercial nearby,
Public Facility nearby, Traffic, Crashes,
Links to destinations, Project Length)

<https://connect.ncdot.gov/municipalities/PlanningGrants/Documents/Fayetteville%20Pedestrian%20Plan.pdf>

49		
School Located near Project Yes, between 1-3 miles = 5 points Yes, between 3-5 miles = 4 points Yes, between 5-7 miles = 3 points Yes, between 7-10 miles = 2 points Yes, greater than 10 miles = 1 point	Commercial Use near Project Yes, between 1-3 miles = 5 points Yes, between 3-5 miles = 4 points Yes, between 5-7 miles = 3 points Yes, between 7-10 miles = 2 points Yes, greater than 10 miles = 1 point	Public Facility near Project Yes, between 1-2 miles = 5 points Yes, between 2-3 miles = 4 points Yes, between 3-4 miles = 3 points Yes, between 4-5 miles = 2 points Yes, greater than 5 miles = 1 point
Average Daily Traffic on Roadway Greater than 15,000 = 5 points 10,000 - 15,000 = 4 points 5,000 - 10,000 = 3 points 2,000 - 5,000 = 2 points 0 - 2,000 = 1 point	Crash Site near Project Yes, between 1-2 miles = 5 points Yes, between 2-3 miles = 4 points Yes, between 3-4 miles = 3 points Yes, between 4-5 miles = 2 points Yes, greater than 5 miles = 1 point	
Links to Destination (Distance) Yes, between 1-2 miles = 5 points Yes, between 2-3 miles = 4 points Yes, between 3-4 miles = 3 points Yes, between 4-5 miles = 2 points Yes, greater than 5 miles = 1 point		
Project less than 500' Less than 250' = 5 points 250'-500' = 4 points 500'-750' = 3 points 750'-1,000' = 2 points Greater than 1,000' = 1 point		

* New requests are evaluated using these factors

Pedestrian Plan

Sidewalk in District 3 (12 locations identified)

Rosehill Rd

- Near Joefield Dr
- Dowfield Dr to Autumn Dr
- Dowfield Dr to Rutledge Dr
- Mulranny Dr to McArthur Rd

Filyaw Rd

- At Yadkin Rd

Tamarack Dr

- At Rosehill Road

Yadkin Rd

- At Filyaw Rd
- Homestead Dr to Southwick Rd
- Southwick Dr to Milford Dr
- Lancaster Rd to Milford Dr
- York Rd to Lancaster Rd

Murchison Road

- Shaw Road to I-295

Pedestrian Plan



Intersections in District 3 (5 locations identified) (Crosswalks and Pedestrian Signals)



Yadkin Rd Intersections

Santa Fe Dr

Filyaw Rd

Bonanza Dr

Southwick Dr

Rosehill Rd Intersection

McArthur Dr





Sidewalk Funding

Sidewalk Funding Opportunities

- City's Capital Improvement Program (CIP)
- City's Yearly Operating Budget
- Fayetteville Area System of Transit (FAST) Funding
- North Carolina Department of Transportation (NCDOT) Projects (50/50 on new)



Sidewalk Funding

Capital Improvement Program (CIP) Projects

Prior Years CIP Funded Sidewalk Projects in District 3

- Rosehill Rd – East side – Country Club Dr to Shaw Mill Rd (\$960k)
- Rosehill Rd – East side – Hickory Hill Rd to Ramsey St (\$308k)
 - Both projects scheduled to be constructed in FY 2020

FY 2021 – CIP Total Sidewalk Projects – \$1,158,000 (pending Council approval)

- District 3 Proposed Project
 - Yadkin Rd – Both sides (gaps) – Skibo Rd to Ft Bragg (\$100k, Design Only)
 - FY 2022 – Construction (\$300k)

Completed Project

FY 2019 Completed Sidewalk Project in District 3

Santa Fe Dr – Yadkin Rd toward All American Expy (\$201k)



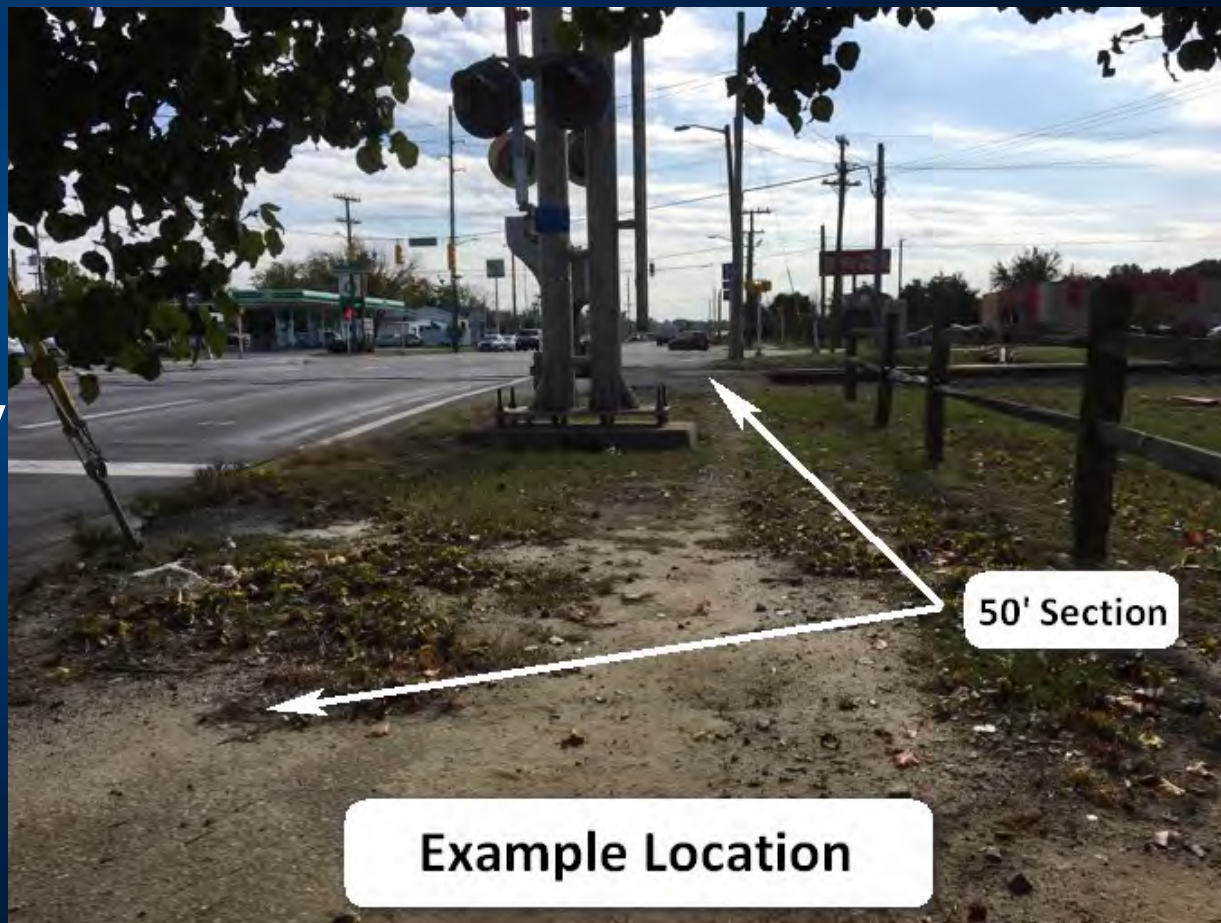
3,290 Linear Feet,
0.62 Mile, (\$61/LF)



Sidewalk Funding

FY 2021 – Operating - \$25,000 (pending Council approval)

- Used at spot locations to fill in gaps or to connect to NCDOT Projects
- 500 – 600 Linear Feet installed annually
 - Approximately \$45/LF
- Example Location
 - 50 Linear Ft connection



Sidewalk Funding

Fayetteville Area System of Transit (FAST) Funding

- Sidewalk connections at bus stop installations for ADA Compliance
- Yadkin Rd at Milford Rd, 400 LF

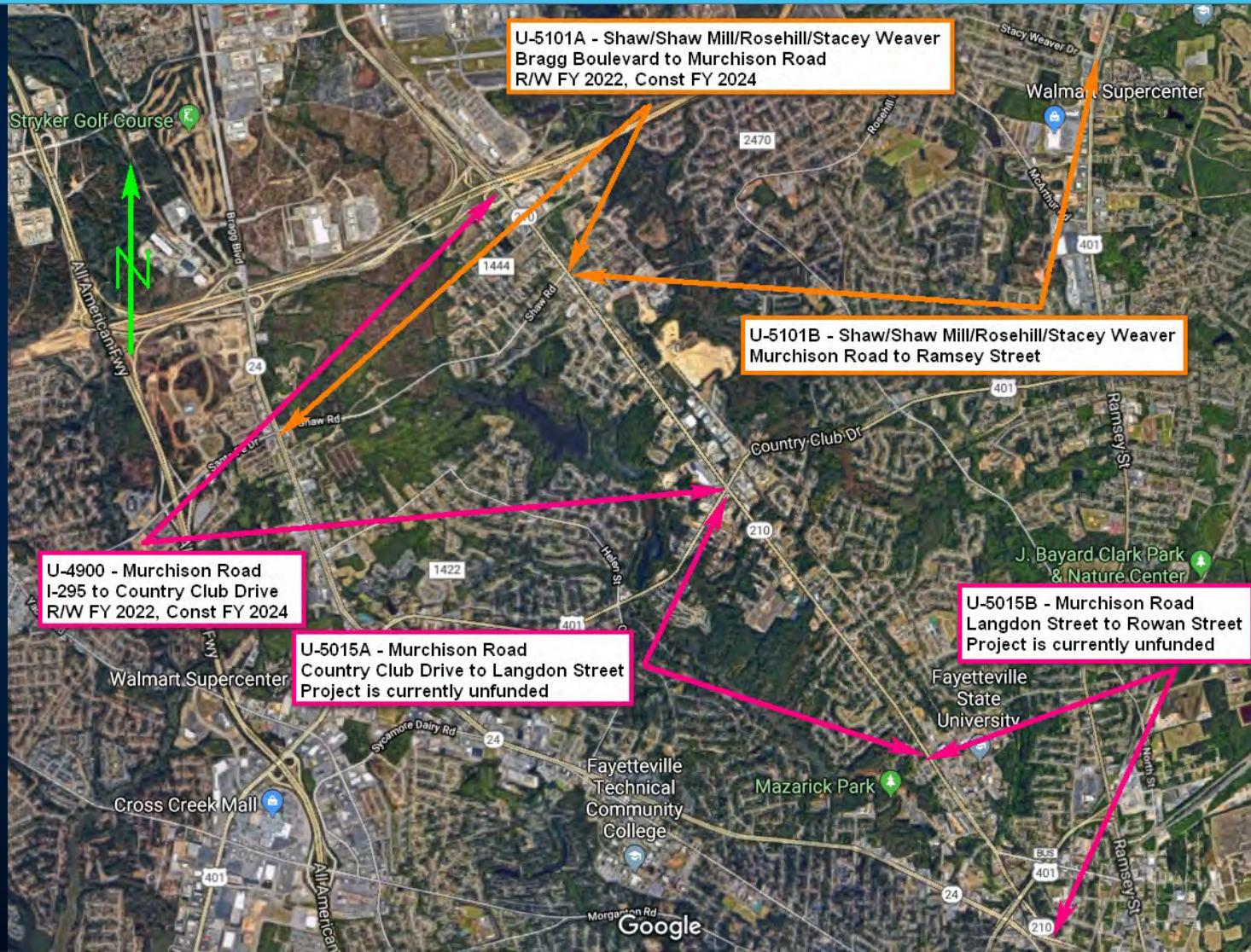


NCDOT Projects

Funded NCDOT Projects in District 3

- U-5101A – Shaw/Shaw Mill Rd – Bragg Blvd to Murchison Rd (widening, sidewalks, landscaping)
 - Right of Way Acquisition – FY 2022, Construction FY 2024
- U-4900 Murchison Rd – Country Club Drive to I-295 (widening, sidewalks, landscaping)
 - Right of Way Acquisition – FY 2022, Construction FY 2024

NCDOT Projects

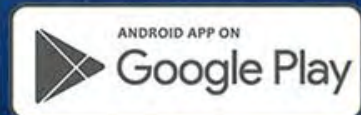




fayTV

City of
Fayetteville
North Carolina

FayettevilleNC.gov





RESURFACING

Pavement Preservation Program

City of
Fayetteville
North Carolina



Street System

City of Fayetteville = 95 sq mi

Street System = 1,178 mi

City = 744 mi – 63%

NCDOT = 288 mi – 25%

Private = 146 mi – 12%

Street System

City Maintained Streets: 744 Miles

Cost per mile \$225,000.00 to \$310,000.00
based on construction cost and traditional mill
and overlay.

Paving cycles range between 45 to 60 years,
not a good measure.

Methodology in Street Selection for Resurfacing

Pavement Condition Rating (ITRE Method).
Streets Are Rated 0 to 100 (0 Being Worst, 100 Being Best):

Streets are selected based on their severity of distresses.

- Alligator Cracking most critical factor
- Block Cracking
- Longitudinal Cracking

Methodology in Street Selection for Resurfacing

Nuthatch Road
PCR Value = 40-50

Cracking around area where
asphalt is missing (thin asphalt)

Pothole with visible cracking



Methodology in Street Selection for Resurfacing

Charity Lane
PCR value = 50 - 60



Street Maintenance Program

City Preventive Maintenance Methods:

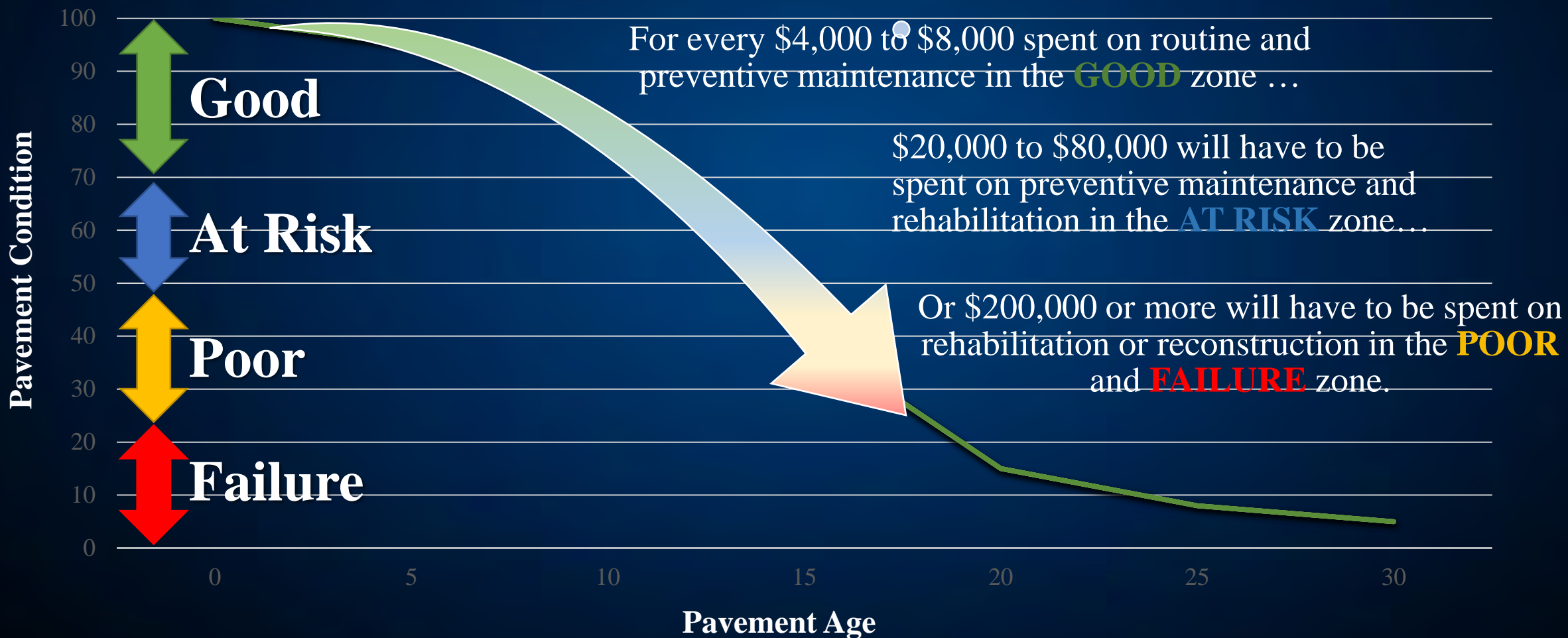
- Joint / Crack Seal
- Permanent Pavement Patch

Although not aesthetically appealing this protects and increases the streets longevity.



Street Maintenance Program

Pavement Performance Curve Cost



Street Maintenance Program

1 mile of
Overlay
\$300,000



- 47 miles
- \$6,400/mi

Crack
Seal

- 8 miles
- \$37,200/mi

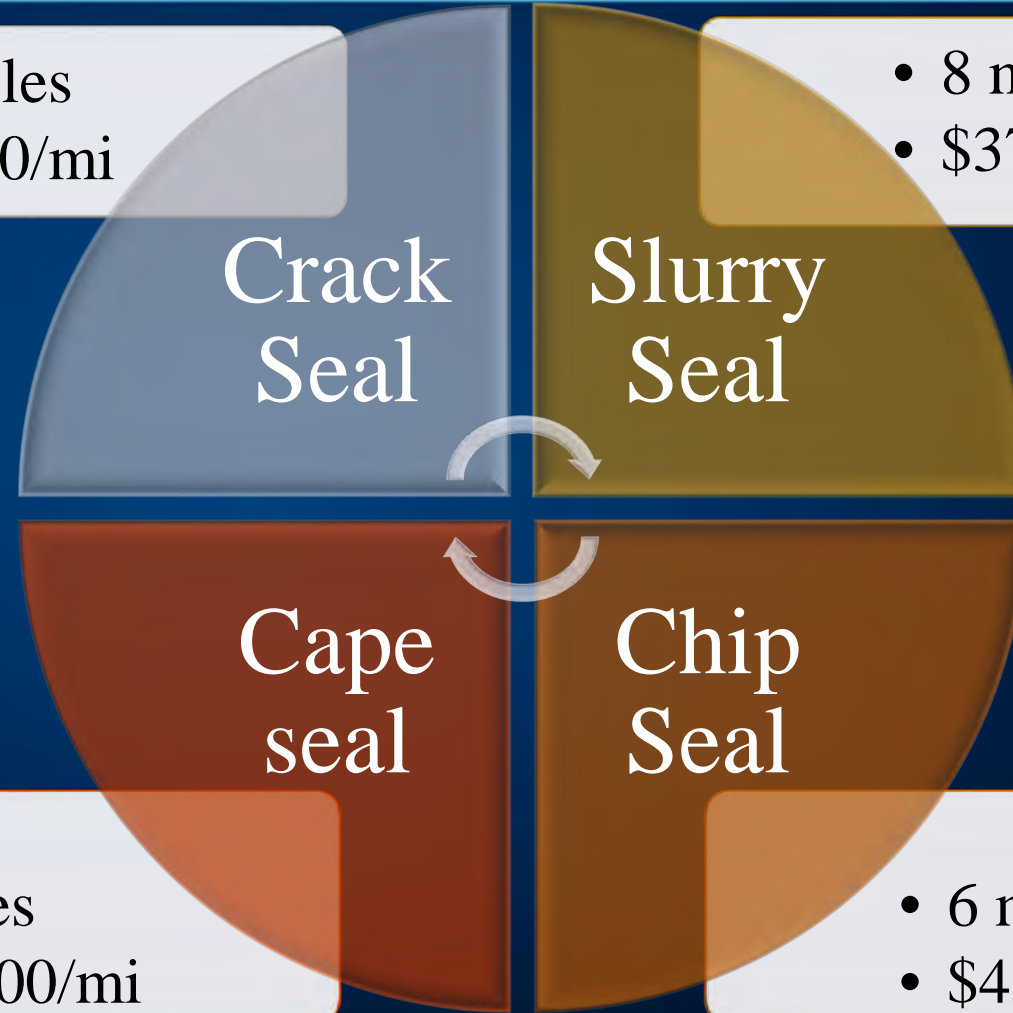
Slurry
Seal

Cape
seal

- 5 miles
- \$59,400/mi

Chip
Seal

- 6 miles
- \$45,000/mi



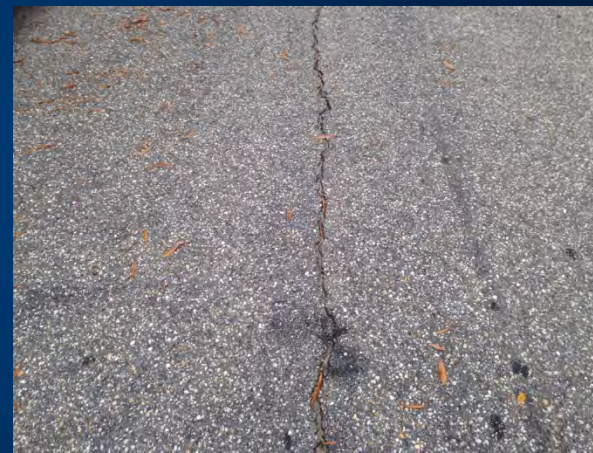
Examples of Pavement Distresses



Alligator Cracking



Block Cracking



Longitudinal Cracking

Streets Currently Being Resurfaced in District 3

- Grafton Avenue
- Stubbs Street
- Packard Place

Streets are in resurfacing prep phase. What to expect.



Patching



Utility Adjustments



Resurfacing Complete



List of Streets Resurfaced (7.5 Miles) from 2010 to 2019 in District 3

Airedale Ct., Alpine St., Apricot Ct., Argon Ave., Baxter St., Bloomfield Dr., Bradley St., Chromium Ct., Cody St., Craft St., Danbury Rd., Diamond St., Dodge Dr., Foster Dr., Glenrock Dr., Gowan Ln., Kelburn Dr., Landau Rd., Lido St., Lionel Ln., Livingston Dr., Mercury Ct., Nickey Ave., Olympia Ct., Opal Ct., Peridot Ct., Plantation Rd., Randinita Dr., Regan St., Spinel Ct., Spinel Dr., Topeka St., W. Cochran Ave., Walking Ln., Zinc Ct., Albany St., Lake Ave., Corrina St., Coker St., Austin St..



Website for Resurfacing Schedule

<https://fayettevillenc.gov/government/city-departments/public-services/projects>



fayTV

City of
Fayetteville
North Carolina

FayettevilleNC.gov



Available on the
App Store

ANDROID APP ON
Google Play