



# FAIRFAX COUNTY PARK AUTHORITY



## M E M O R A N D U M

**TO:** Chairman and Members  
Park Authority Board

**VIA:** Kirk W. Kincannon, Executive Director

**FROM:** Todd Brown, Director  
Park Operations Division

**DATE:** October 20, 2016

### *Agenda*

**Park Operations Committee**  
**Wednesday, October 26, 2016 – 6 p.m.**  
**Boardroom – Herrity Building**  
**Chairman: [vacant]**  
**Vice Chair: Linwood Gorham**  
**Members: Frank Vajda, Faisal Khan**

1. Infrastructure Overview – Trails – Information\* (with presentation)

\*Enclosures



If accommodations and/or alternative formats are needed, please call (703) 324-8563. TTY (703) 803-3354

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Board Agenda Item  
October 26, 2016

## **INFORMATION**

### Infrastructure Overview- Trails (with presentation)

The Park Authority infrastructure continues to age without adequate resources to maintain, replace, renovate, and address the deferred maintenance. Over the next year staff will continue to update the Board on the condition some of the agency's most popular park amenities and the maintenance and resource challenges moving forward.

Staff will provide an overview of the current condition of the Park Authority trails to include information on the lifecycle status of the agency's trail inventory, examples of the current conditions and needed repairs and improvements. Staff will also share the history of funding for maintenance and the estimated funding requirements to repair and renovate trails in order to bring them up to acceptable standards moving forward.

### ENCLOSED DOCUMENTS:

None

### STAFF:

Kirk W. Kincannon, Executive Director  
Sara Baldwin, Deputy Director/COO  
Aimee L. Vosper, Deputy Director/CBD  
Todd Brown, Director, Park Operations Division  
Barbara Nugent, Director, Park Services Division  
Cindy Walsh, Director, Resource Management Division  
Dave Bowden, Director, Planning and Development Division  
Janet Burns, Fiscal Administrator

# Infrastructure Overview

- Trails
- Sidewalks
- Accessible Routes



October 2016

# Trails

- ❑ Supporting County Vision Elements:
  - ❑ Building Livable Spaces;
  - ❑ Connecting People and Places;
  - ❑ Maintaining Healthy Economies;
  - ❑ Practicing Environmental Stewardship.
- ❑ Line of Business (LOB)
  - ❑ Provide safe and sustainable parks and trails to residents and visitors. Well maintained parks and trails contribute to economic growth, social well-being and health.

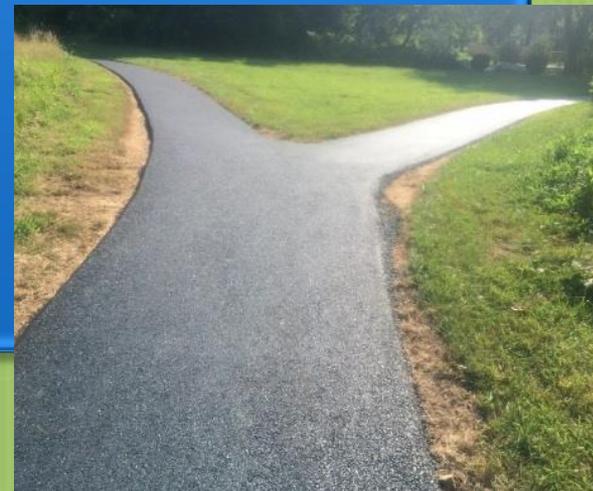


~“Of all exercises walking is the best.” –THOMAS JEFFERSON



# Trails

- ❑ Total Number of Parks: 426
- ❑ Total Linear Feet: 1,717,464
- ❑ Total Miles: 325.2
  - ❑ Gerry Connelly Cross County Trail (GCCCT)
    - ❑ 35.7 Miles
    - ❑ 11% of all trails



# Trails- Needs Assessment

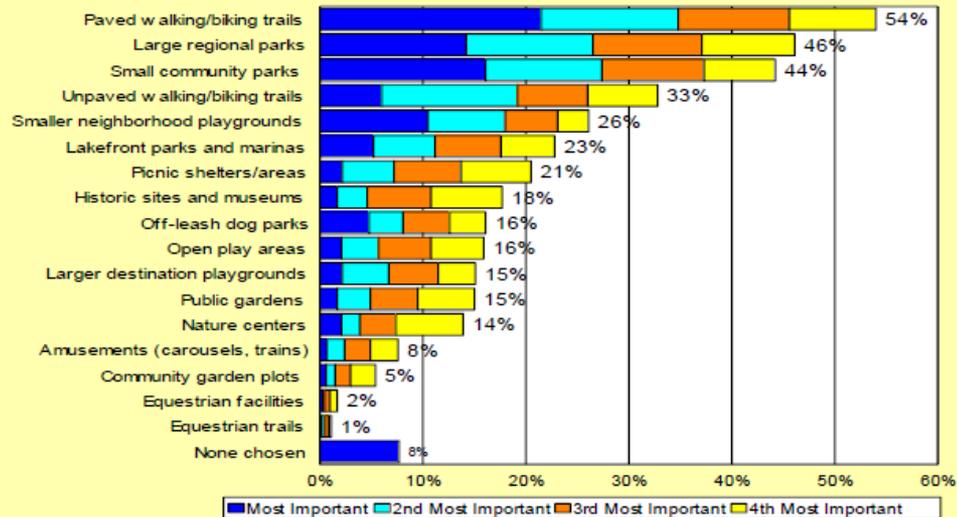
## 8.2.3 IMPORTANT FACILITIES

Based on the percentage of respondents' top four most important parks and facilities, 54% indicated that paved walking and biking trails is most important to their household.

### Important Facilities: Paved Walking and Biking Trails

#### Q8. Park, Play Areas, Gardens, Trails, Equestrian, Nature or Historic Parks or Facilities that are MOST IMPORTANT to Households

by percentage of respondents who selected the item as one of their top four choices



Source: Leisure Vision/ETC Institute for Fairfax County (2015)

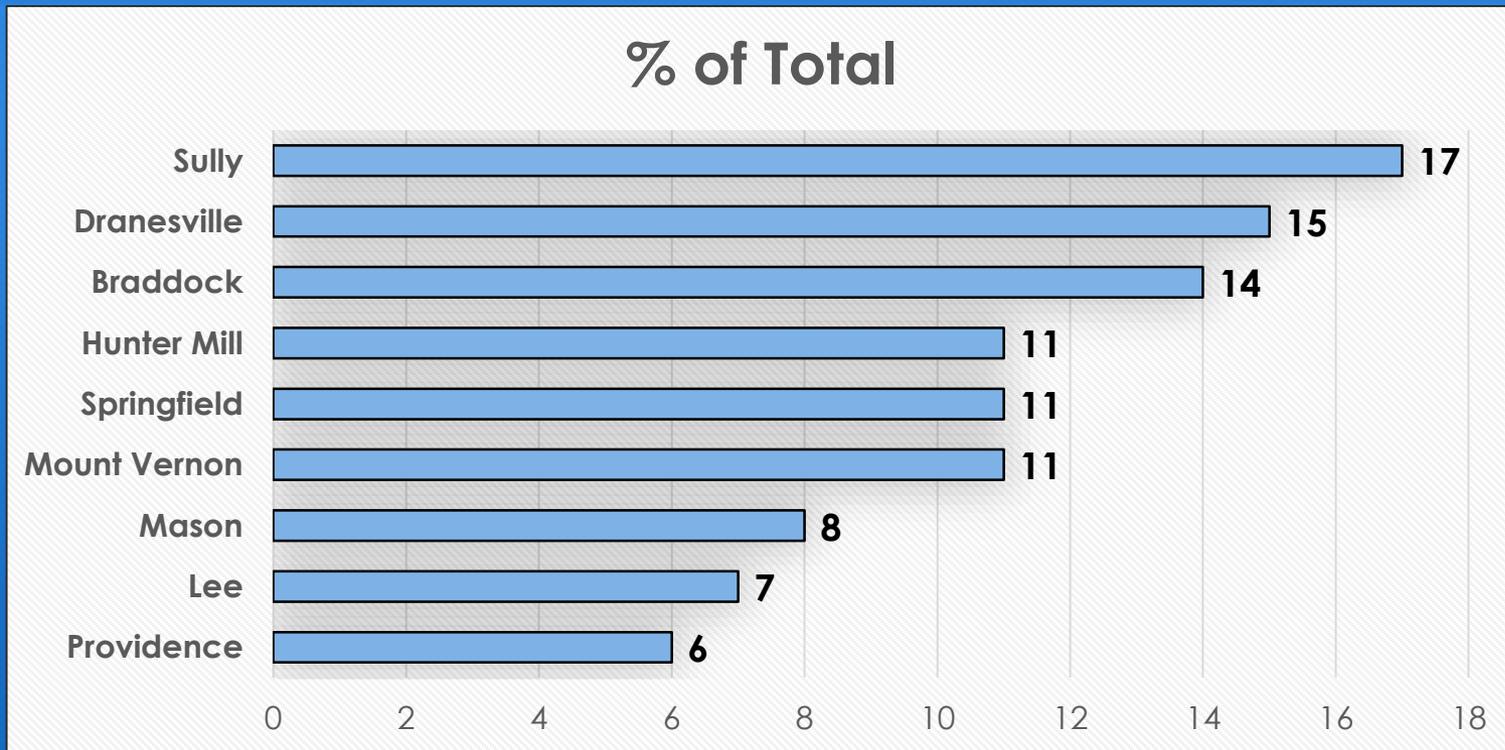


# Trails- Needs Assessment

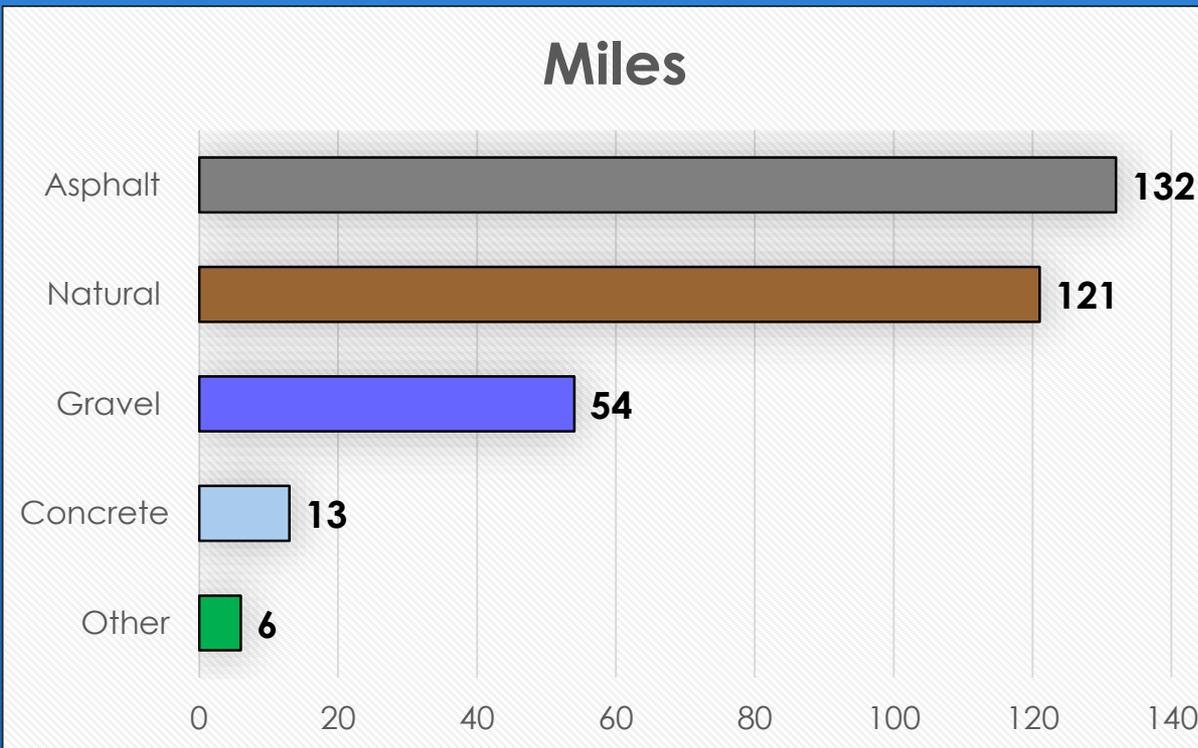
- ❑ “Physical condition ratings of ‘excellent’ are below that of the national benchmark” **(34%)**.
  - ❑ Trails self-assessed at **2% “excellent”**.
- ❑ Needs Assessment estimated \$6.367 M “Critical” repair need in next 1-5 years, or \$1.28M annually.



# Trails- By Supervisor District



# Trails- Surface Types



# Trails- Condition Descriptions

- ❑ **Excellent**
  - ❑ New section, recent repairs made, no noticeable wear.
- ❑ **Good**
  - ❑ Only surface cracks and normal wear present, repairs not needed.
- ❑ **Fair**
  - ❑ Trail has no more than 5 years before repairs are needed.
  - ❑ Cracks are at least half the depth of total asphalt depth.
  - ❑ “Alligator” affect present.
  - ❑ Erosion of shoulder.
- ❑ **Poor**
  - ❑ Trail needs immediate repairs.
  - ❑ Users averting area or proceeding with caution.



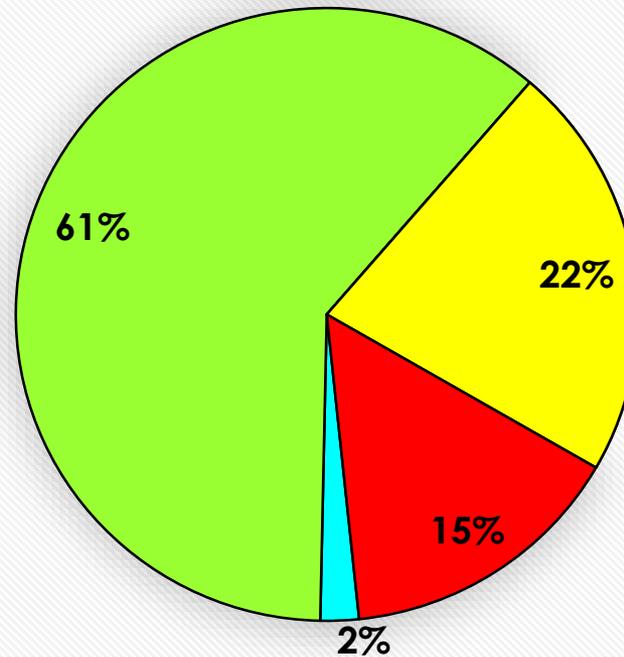
# Trails- Overall Condition Assessments

■ Excellent

■ Good

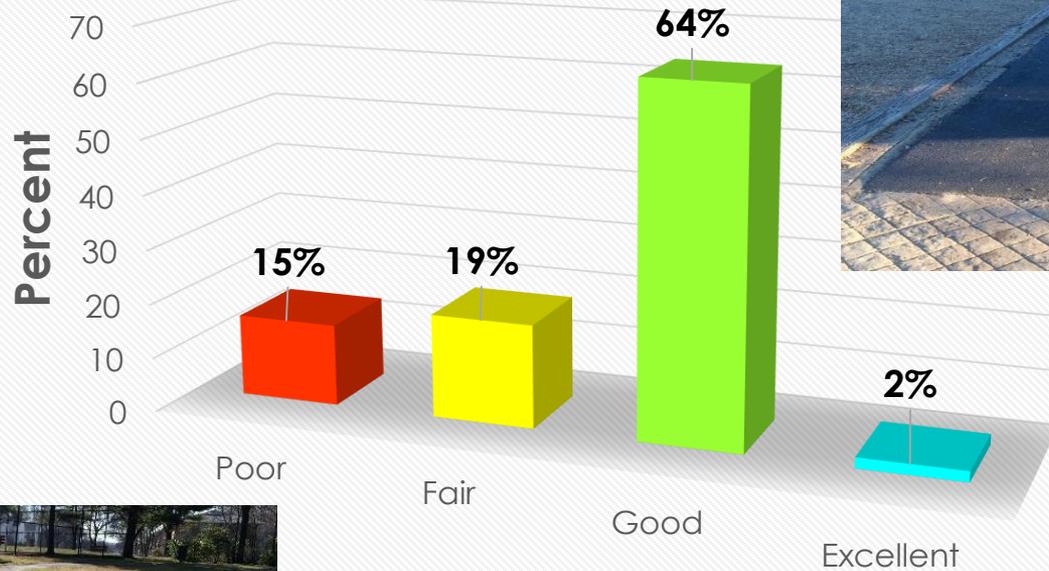
■ Fair

■ Poor



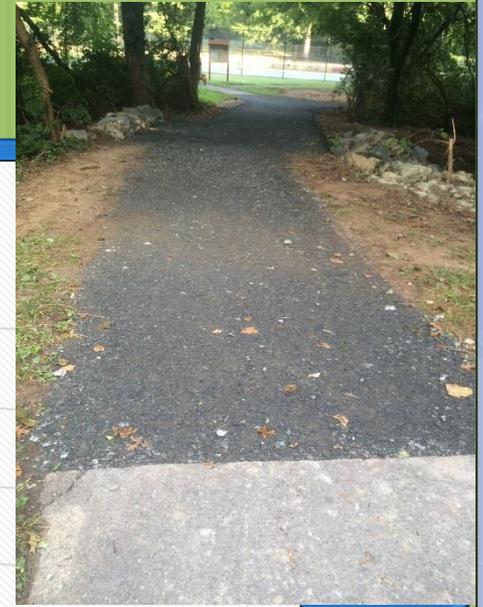
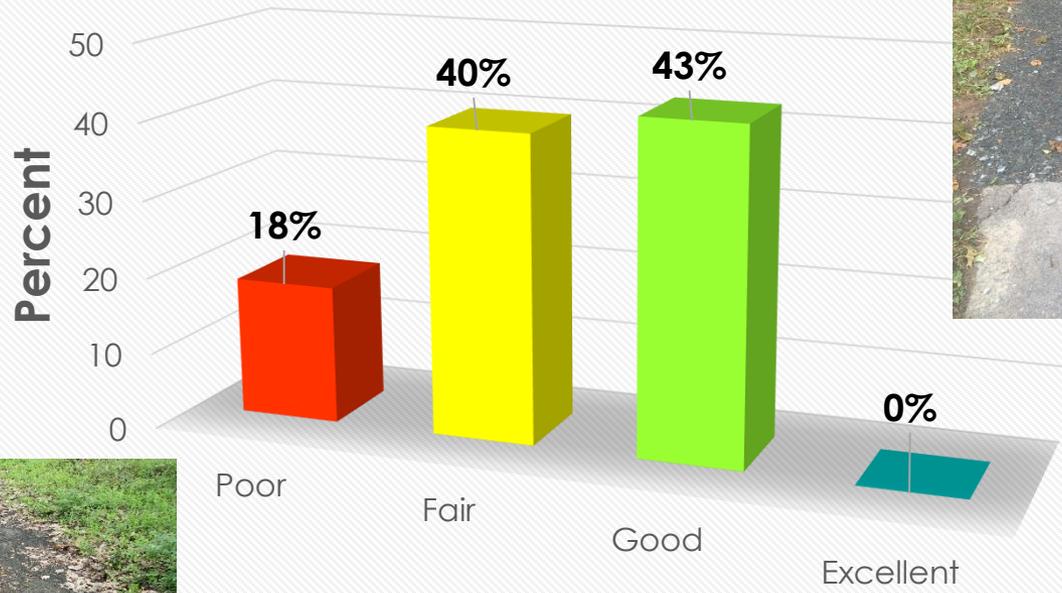
# Trails- Asphalt

## Conditions



# Trails- Gravel

## Conditions



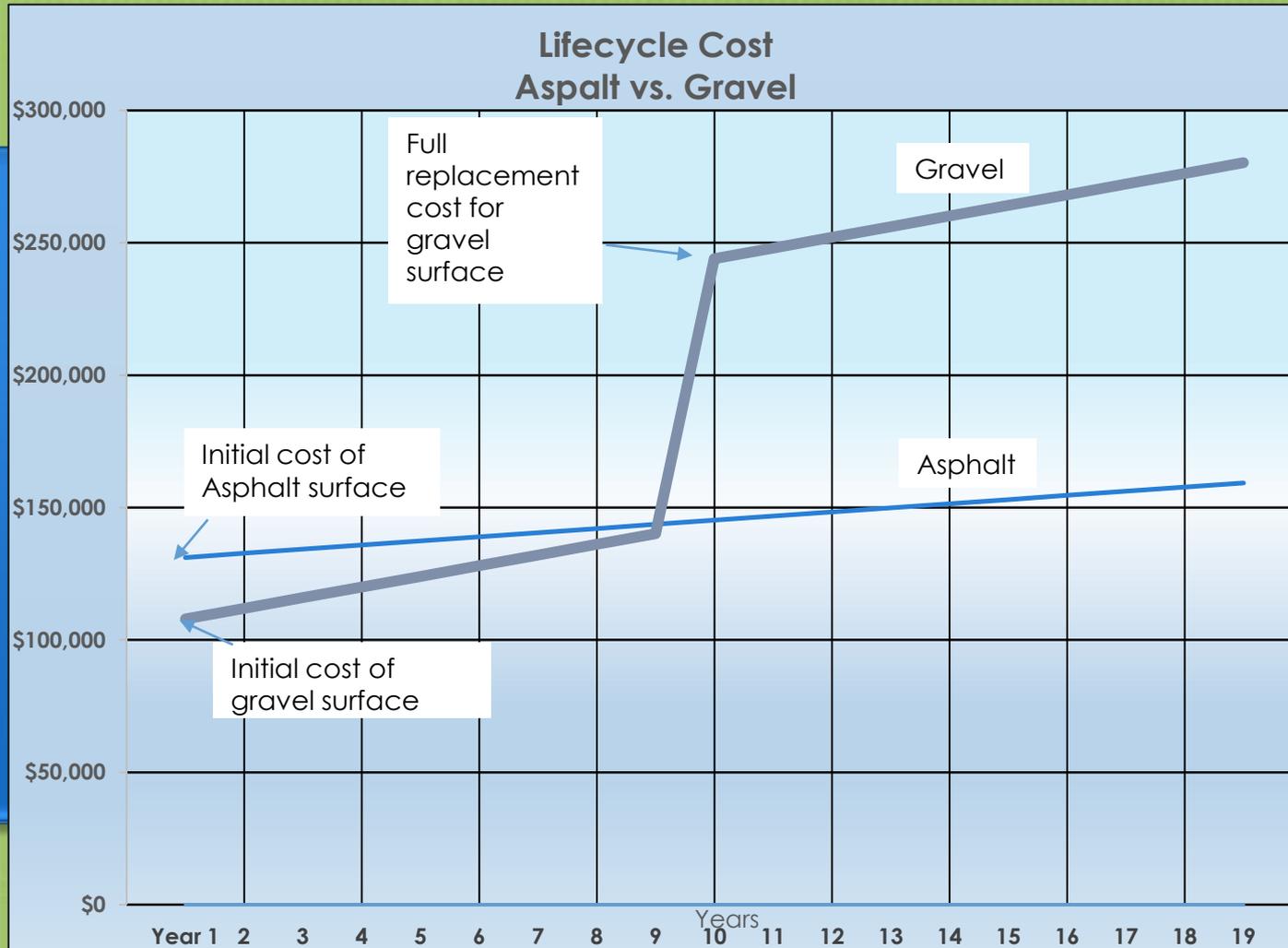
# Estimated Renovation Needs Over Next 5 Years



Total Amount from FY2018 through FY2022 \$6.28M



# Trails- Life Cycle Comparison



# Trails- Maintenance Standards

## Total Annual Labor Hours Per Item

### Trails and Crossings

Bridges	7.6
Low Water Crossings	9.6
Trails	
Asphalt (Per 2,500 Linear Feet)	10.0
Concrete (Per 5,000 Linear Feet)	8.7
Gravel (Per 1,000 Linear Feet)	11.1
Natural (Per 500 Linear Feet)	11.4
Wood Chip (Per 500 Linear Feet)	9.8

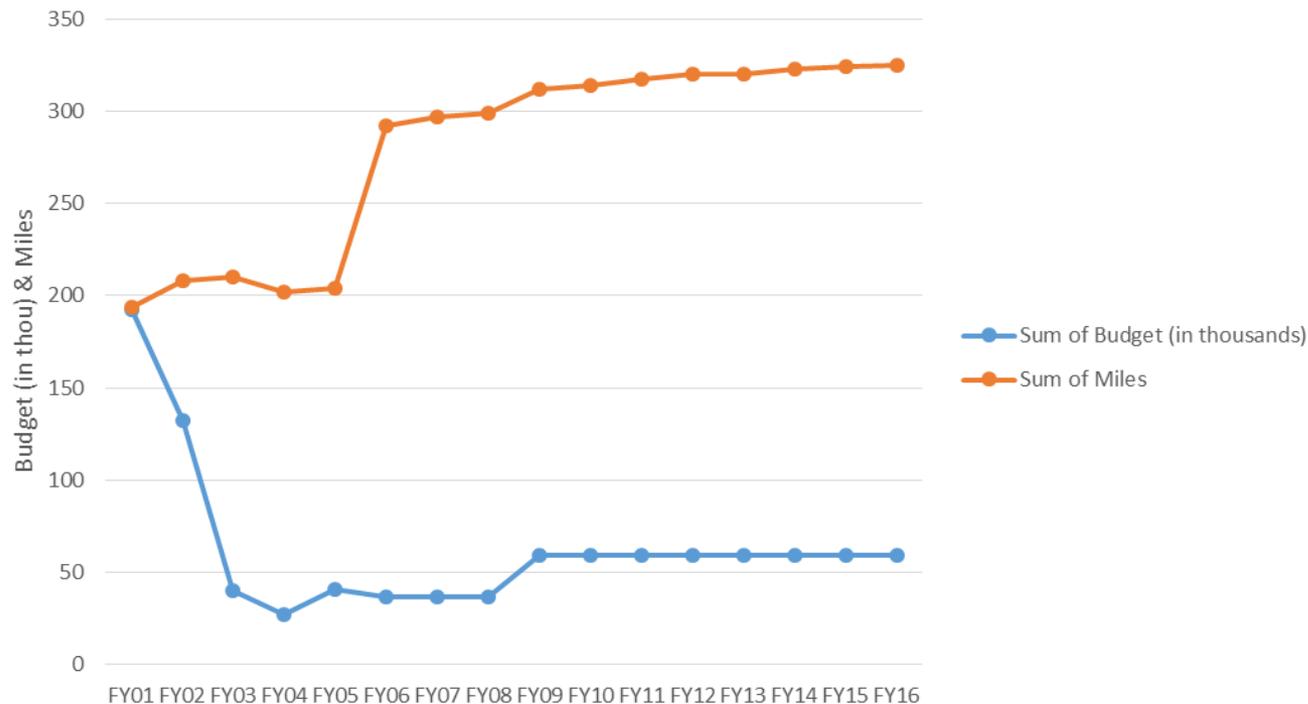


# Trails- Maintenance

- Since 2001, approximately 130 miles of new trail added.



Maintenance Budget vs. Mileage



# Trails- Maintenance Issues

“Alligatoring” asphalt



Buckled shoulders



# Trails- Maintenance Issues

Age, cracks, vegetation



Upheaval, tree roots



# Trails- Maintenance Issues



# Trails

## Renovation Funding Sources

- ❑ General County Construction Fund
- ❑ Revenue Fund
- ❑ Sinking Fund
- ❑ Others
  - ❑ Telecommunications
  - ❑ Proffers



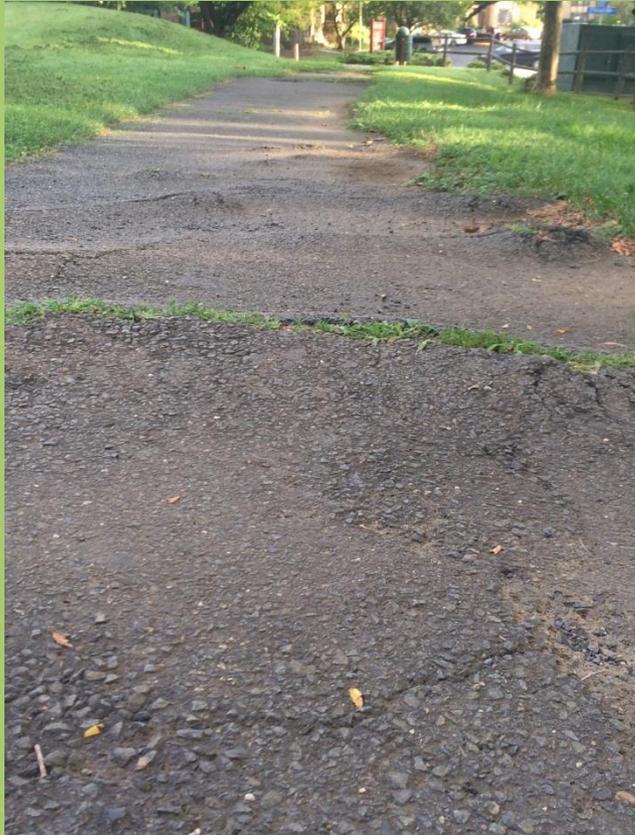
# Trails Renovations – Churchill Road Park



# Trails- Renovations – Mosby Woods



# Trails- Renovations – Borge Street Park



# Trails- Renovations – Idlywood Park



# Trails- FY18 Budget Request

- ❑ Current material funding: **\$181** per mile.
- ❑ To maintain and improve the most important and valued amenity identified in the park system we requested \$400,000 in material funding, resulting in **\$1,412** per mile.
- ❑ Additionally requested 4 seasonal staff to assist with trail maintenance at \$82,000.
- ❑ Total Budget Request **\$482,000**.



# Summary of Infrastructure Costs

Facility	Cost over 5 years
Courts	\$ 2.7M
Playgrounds	\$18.1M
Amusements	\$ 750K (Burke Lake Carousel)
Outdoor Lighting	\$12.4M
Grounds Equipment	\$ 8.8M
Picnic Shelters / Outdoor Restrooms	\$15.9M
Parking Lots & Roadways	\$ 5.4M
Trails	\$ 6.3M
<b>TOTAL</b>	<b>\$ 70.35M</b>



# Questions

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