

# **FISCAL YEAR 2018-2027 CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGET DEVELOPMENT**

---

**Board of Supervisors Work Session**  
November 8, 2016

# Meeting Agenda

- Completed and Active Capital Projects
- Overview of CIP Budget Development Process
- Overview of Fiscal Year 2018-2027 Capital Project Requests
  - County Projects
  - Roanoke County Public Schools
  - Fleet & Equipment Replacement Plan
- CIP Funding Sources
- Debt Information
- Next Steps

# Recently Completed Projects

## PRT – Capital Maintenance Program



**Green Hill Park Restroom** (*Above*)  
New restroom and storage areas,  
energy efficient features added  
\$118K County/\$15K Private  
Contributions

**Sports Field Lighting Projects** (*Below*)  
Lighting of 2 soccer fields at Green Hill  
and 1 field at Hollins  
\$500K project cost



# Recently Completed Projects

## PRT – Capital Maintenance Program



**Taubman Roof Replacement***(Above)*  
Replacement of deteriorating concrete tile roof with painted seam metal roof  
\$70K project cost

**Hollins Park Paving***(Below)*  
Repaving of entrance road and transitions in parking lots (14,500 sq. ft. of paving)  
\$33.6K project cost



# Recently Completed Projects

## Community Development – Revenue Sharing



**Old Mill Road Before (Above)**  
Deteriorating pavement, stormwater  
drainage issue

**Old Mill Road After (Below)**  
Completed fall 2015  
\$162.3K County / \$162.3K VDOT  
Revenue Sharing



# Recently Completed Projects

## Murray Run Stream Restoration

### Murray Run Stream Restoration (Before)



Before Pictures:

Severe erosion with vertical banks. Channel silted in. Note the safety fence put up to protect residents.

# Recently Completed Projects

## Murray Run Stream Restoration

### Murray Run Stream Restoration (After)



#### After Pictures:

Banks made more gradual, toe wood added to protect from erosion and improve habitat. Grasses in the process of growing in. Channels provided with a series of pools and riffles to mimic a natural stream.

\$279K State/\$279K Private Capital Contribution

# Recently Completed Projects

## Glade Creek Stream Restoration

### Glade Creek Stream Restoration (Before)



Before Pictures:  
Silted in channel and excessive bank erosion.

# Recently Completed Projects

## Glade Creek Stream Restoration

### Glade Creek Stream Restoration (After)



After Picture  
(To the left and  
bottom):  
Narrower channel,  
overbank areas,  
stone channel  
structure



After Picture (Above):  
Glade Creek immediately after grading. Earth  
protected with coir matting (coconut fiber mat) by the  
channel, and seeded and mulched elsewhere.

\$475K County/\$475K Stormwater Local Assistance  
Fund (SLAF)



# Recently Completed Projects

## Department of Social Services Building



All phases of project  
completed in fall  
2016

Approximately \$6.0 M  
project budget for all  
phases

# Active Capital Projects

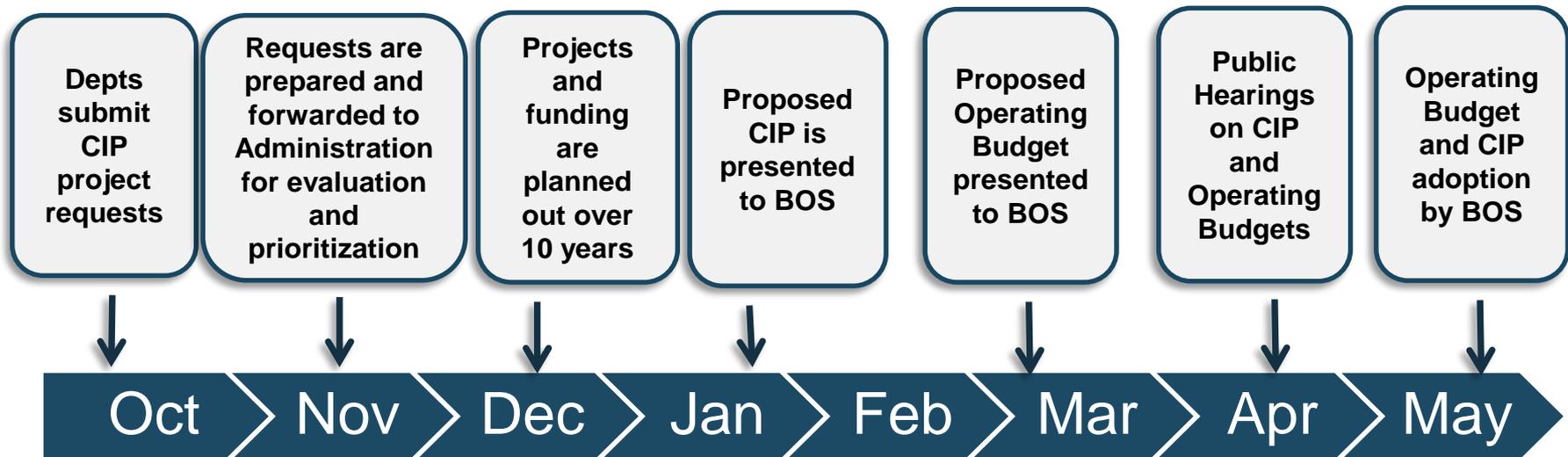
## No Additional Funding Requested

Functional Team	Project/(Managing Department)	Project Budget
Public Safety	Courthouse Security Upgrade (Sheriff)	\$0.27 M
Public Safety	Masons Cove Fire Station Renovations (Fire / General Services)	\$0.25 M
Public Safety	Police Substation (approved outside the CIP – Forfeited Asset Funds)	\$0.12 M
Community Services	Comprehensive Public Asset and Work Management Solutions System (Community Development)	\$0.54 M
Community Services	West Main Street Pedestrian Improvements – FY 17 Revenue Sharing (Community Development)	*\$0.07 M
Internal Services	Assess Pro5 Upgrade – Real Estate Assessment Software (Real Estate)	\$0.2 M
Internal Services	Fleet Center Generator (General Services)	\$0.2 M
Internal Services	Integrated Financial System (Finance)	\$4.45 M
Internal Services	Commissioner of Revenue Building Security (General Services)	\$0.18 M
Internal Services	RCAC Training Room – Part of General Services Capital Maintenance Program (General Services)	\$0.16 M

\*Represents County portion of project budget only.

# Overview of CIP Budget Development Process

## Development Timeline



- Projects are prioritized according to overall organizational and community need
- Balanced ten-year plan
- Identifies additional operating impacts where applicable
- Incorporates RCPS Capital Improvement Program
- Plan reviewed annually with the Board of Supervisors

# FY 2018-2027 CIP Project Requests

## Budget Priorities

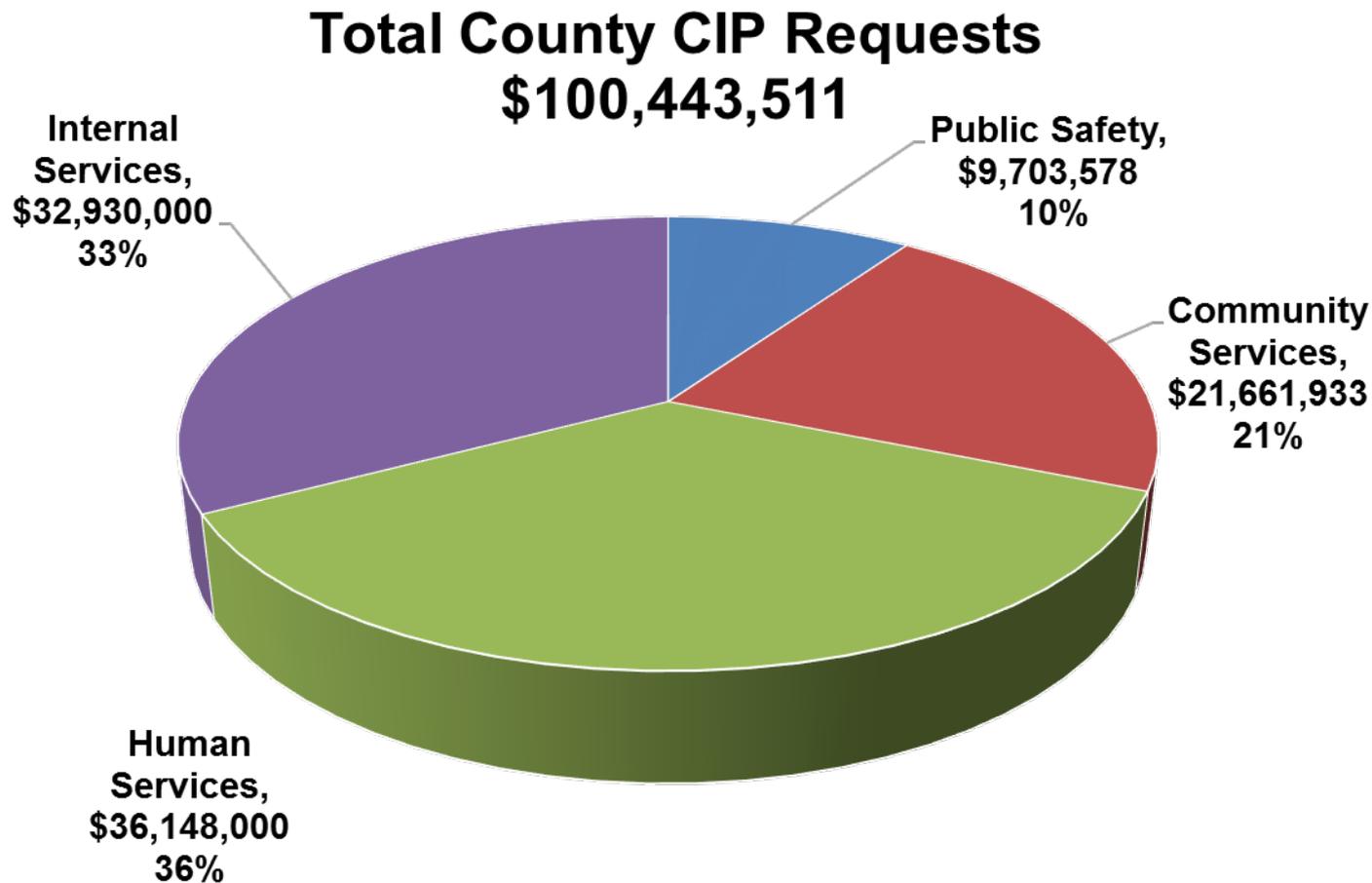
- Maintenance of Existing Assets
- Catalyst Economic Development Projects:
  - Broadband Initiative
  - Woodhaven Property Acquisition & Development
  - Explore Park Infrastructure
- Public Safety Equipment/Technology Replacement
- Fleet & Equipment Replacement Program
- Aligning Infrastructure Improvements with Community Strategic Plan

# FY 2018-2027 CIP Project Requests

## Budget Priorities – Alignment with Strategic Plan

<b>Explore Park</b>	
<b>Conformance Plans, Policies, and Legal Obligations</b>	
<i>Please select which Strategic Initiatives apply to the project submitted. Details on each Strategic Initiative and Primary Initiative Component can be found in the <a href="#">Draft Strategic Plan</a>.</i>	
<b>Primary Strategic Initiative</b>	Keep Roanoke County Healthy, Clean, and Beautiful
<b>Primary Initiative Component #1</b>	Outdoor Recreation & Natural Resources
<b>Primary Initiative Component #2</b>	"K to Gray" Continuum of Educational Resources
<b>Secondary Strategic Initiative</b>	Position Roanoke County for Future Economic Growth
<b>Secondary Initiative Component #1</b>	Infrastructure & Site Development
<b>Secondary Initiative Component #2</b>	Regional Cooperation & Marketing
This project is consistent with the general goals, objectives, and policies of the 1998 Roanoke County Community Plan, Mount Pleasant Comprehensive Plan and the 2007 Department of Parks, Recreation and Tourism Comprehensive Master Plan for Parks and Facilities. This project is consistent with the 2016 Explore Park Adventure Plan and the 2016 Visit Virginia's Blue Ridge Vision Plan.	

# FY 2018-2027 CIP Project Requests Organized by Functional Team



**Last Year's (FY 2017-2026) Approved 10-Year CIP (County Projects) = \$63,307,819**

# FY 2018-2027 CIP Project Requests

## Public Safety \$9.7 M

Department	Project	Prior Yr. Funding	FY 18-27 Request
Sheriff	Capital Maintenance Program	\$0.19 M	\$0.95 M
Sheriff	Overhead Lighting for Jail	\$ -	\$0.17 M
Sheriff	Jail Control Room / Security Camera Upgrade	\$ -	\$0.6 M
Sheriff	NEW - Jail Generator Replacement	\$ -	\$0.3 M
Sheriff	NEW - Jail Flooring Abatement	\$ -	\$0.18 M
Fire & Rescue	Self-Contained Breathing Apparatus Replacement	\$ -	\$1.6 M
Fire & Rescue	Hollins Fire & Rescue Station Parking Lot	\$ -	\$0.15 M
Fire & Rescue	Diesel Exhaust Removal System	\$ -	\$0.53 M
Fire & Rescue	NEW - Read Mountain Fire & Rescue Station Addition	\$ -	\$0.65 M
Fire & Rescue	NEW - Upgrade on Heart Monitors in Ambulances	\$ -	\$0.24 M



# FY 2018-2027 CIP Project Requests

## Public Safety \$9.7 M

Department	Project	Prior Yr. Funding	FY 18-27 Request
ECC	Public Safety Radio Replacement	\$ -	\$3.2 M
ECC	Digital Microwave Ring Replacement	\$ -	\$0.6 M
ECC	NEW - Audio/Visual Replacement for ECC	\$ -	\$0.15 M
ECC	NEW - Conventional Backup Repeater Replacement	\$ -	\$0.15 M
Police	NEW - County of Roanoke Firearms Training Center Repairs	\$ -	\$0.094 M
General District Court	NEW - County of Roanoke General District Court Repairs	\$ -	\$0.1 M



# FY 2018-2027 CIP Project Requests

## Community Services

\$21.7 M

Department	Project	Prior Yr. Funding	FY 18-27 Request
Comm. Dev.	Plantation Road	\$3.89 M	\$1.89 M
Comm. Dev.	VDOT Revenue Sharing Projects	\$0.68 M	\$4.6 M
Comm. Dev.	NEW - Williamson Road Pedestrian Improvements	\$ -	\$0.28 M
Comm. Dev.	Lila Drive Intersection and Reconstruction	\$ -	\$0.15 M
Comm. Dev.	NEW - Ivyland Road Improvements	\$ -	\$0.21 M
Comm. Dev.	Dry Hollow Road Safety Improvements	\$0.24 M	\$1.33 M

Note: Transportation funding amounts noted above represent funds that would need to be appropriated by the Board of Supervisors



# FY 2018-2027 CIP Project Requests

## Community Services

\$21.7 M

Department	Project	Prior Yr. Funding	FY 18-27 Request
Stormwater	Stormwater Maintenance of Effort – Drainage	\$0.54 M	\$2.03 M
Stormwater	Stormwater NPDES – MS4 Best Management Practices (BMP) Construction	\$0.18 M	\$3.4 M
Stormwater	NPDES – Leachate Management System Upgrade (Dixie Caverns)	\$0.43 M	\$0.23 M
Econ. Dev.	Roanoke County Broadband Initiative	\$0.049 M	\$3.85 M
Econ. Dev.	NEW - Woodhaven Property Acquisition and Improvements	\$ -	\$2.8 M
Econ. Dev.	Vinton/William Byrd School Bus Lot	\$0.075 M	\$0.93 M



# FY 2018-2027 CIP Project Requests

## Human Services \$36.1 M

Department	Project	Prior Yr. Funding	FY 18-27 Request
Parks and Rec	Capital Maintenance Program	\$1.42 M	\$7.33 M
Parks and Rec	Explore Park	\$0.8 M	\$7.2 M
Parks and Rec	Sports Field Lighting	\$0.5 M	\$2.49 M
Parks and Rec	Camp Roanoke	\$ -	\$0.42 M
Parks and Rec	Arnold R. Burton Softball Complex Improvements	\$ -	\$0.7 M
Parks and Rec	Hollins Park Improvements	\$ -	\$0.43 M
Parks and Rec	NEW - Roanoke River East Greenway	\$1.36 M	\$0.34 M
Parks and Rec	NEW - Brambleton Community Center Feasibility Study	\$ -	\$0.25 M
Library	Hollins Branch Library Replacement	\$ -	\$16.8 M
Library	NEW - Mt. Pleasant Branch Library Refurbishment	\$ -	\$0.09 M
Library	NEW - Security Cameras at Libraries	\$ -	\$0.11 M



# FY 2018-2027 CIP Project Requests

## Internal Services \$32.9 M

Department	Project	Prior Yr. Funding	FY 18-27 Request
IT	NEW - County-Wide Computer Replacement Program	*\$ -	\$3.0 M
IT	NEW - IT Infrastructure Repl. Capital Maintenance Program	*\$ -	\$5.5 M
Finance	Human Resources and Payroll Modules	\$0.01 M	\$1.5 M
General Svcs.	Capital Maintenance Program	\$1.59 M	\$8.0 M
General Svcs	Public Service Center	\$0.05 M	\$12.58 M
General Svcs.	Green Ridge Recreation Center Generator & Emergency Shelter	\$0.05 M	\$0.3 M
General Svcs.	NEW - RCAC Chiller Replacement & Building Envelope, Mechanical Study	\$ -	\$0.26 M
General Svcs.	NEW - Bent Mountain Comm. Center Repairs and Renovations	\$ -	\$1.8 M

**Internal Services**  
(\$ in millions)



\*These capital improvements had been included as part of the annual Communications/Information Technology operating budget in prior years

# FY 2018-2027 CIP Project Requests

## Roanoke County Public Schools (RCPS)

- RCPS School Board schedule to approve Schools CIP on December 15, 2016
- Last year's (FY 2017-2026) Board Adopted CIP for School included:
  - Cave Spring High School (\$28.75 M in FY 18)
  - \$1.0 M annually for Capital Maintenance Program
  - \$55.6 M for projects TBD from FY 2020 - 2026
- Cave Spring High School costs now estimated at \$37.5 M (total estimate last year was \$30.75 M)<sup>1</sup>
- TBD projects expected to be identified in this year's CIP
- FY 2017-2026 Funding: \$70.0 M Bonds, \$24.4 M Cash

<sup>1</sup> "School board seeks to rein in Cave Spring High School renovation project costs", [http://www.roanoke.com/news/education/school-board-seeks-to-rein-in-cave-spring-high-school/article\\_9bb17811-c389-50e7-b682-6821efab0b97.html](http://www.roanoke.com/news/education/school-board-seeks-to-rein-in-cave-spring-high-school/article_9bb17811-c389-50e7-b682-6821efab0b97.html)

# FY 2018-2027 CIP Project Requests

## Fleet & Equipment Replacement

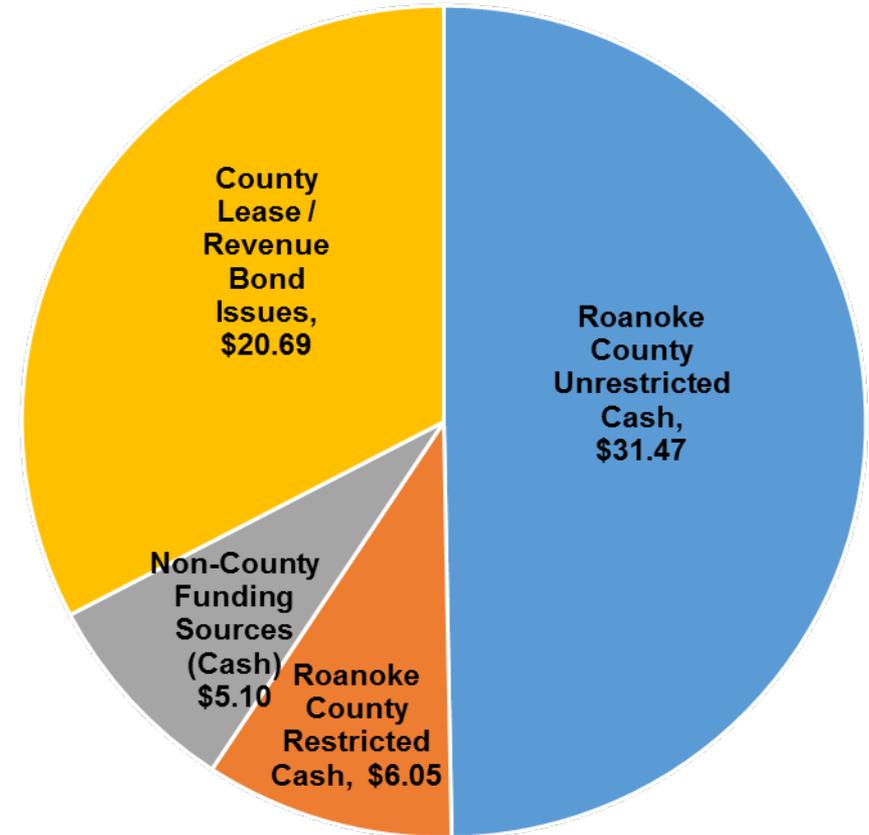
	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
<b>Estimated Funding</b>	<b>\$3.62 M</b>	<b>\$3.71 M</b>	<b>\$3.41 M</b>	<b>\$3.71 M</b>	<b>\$3.82 M</b>
Light Fleet Costs	\$1.29 M	\$0.69 M	\$1.11 M	\$1.14 M	\$1.17 M
Heavy Fleet Costs	\$2.07 M	\$2.11 M	\$1.33 M	\$1.62 M	\$2.20 M
Heavy Equipment Costs	\$0.60 M	\$0.51 M	\$0.27 M	\$0.09M	\$0.16 M
<b>Total Costs</b>	<b>\$3.96 M</b>	<b>\$3.32 M</b>	<b>\$2.71 M</b>	<b>\$2.85 M</b>	<b>\$3.52 M</b>
Surplus / (Deficit)	<b>(\$0.34 M)</b>	\$0.39 M	\$0.70 M	\$0.86 M	\$0.30 M

County staff looking to defer \$0.3 - \$0.4 M in fleet / equipment replacements to fiscal year 2019

# Current Approved Capital Improvement Program County Funding Overview

Type of Funding	Description
Roanoke County Unrestricted Cash	General Fund Transfer, Capital Reserves, Sale of Property, Year-End Fund Balance, Debt Fund Cash
Roanoke County Restricted Cash	Fee Class Fund, Communications / IT Fund, Economic Development Funds
Non-County Funding Sources (Cash)	Grants, Schools Contribution, Private Capital Contribution, Other Localities
County Lease / Revenue Bond Issues	Lease / Revenue Bonds

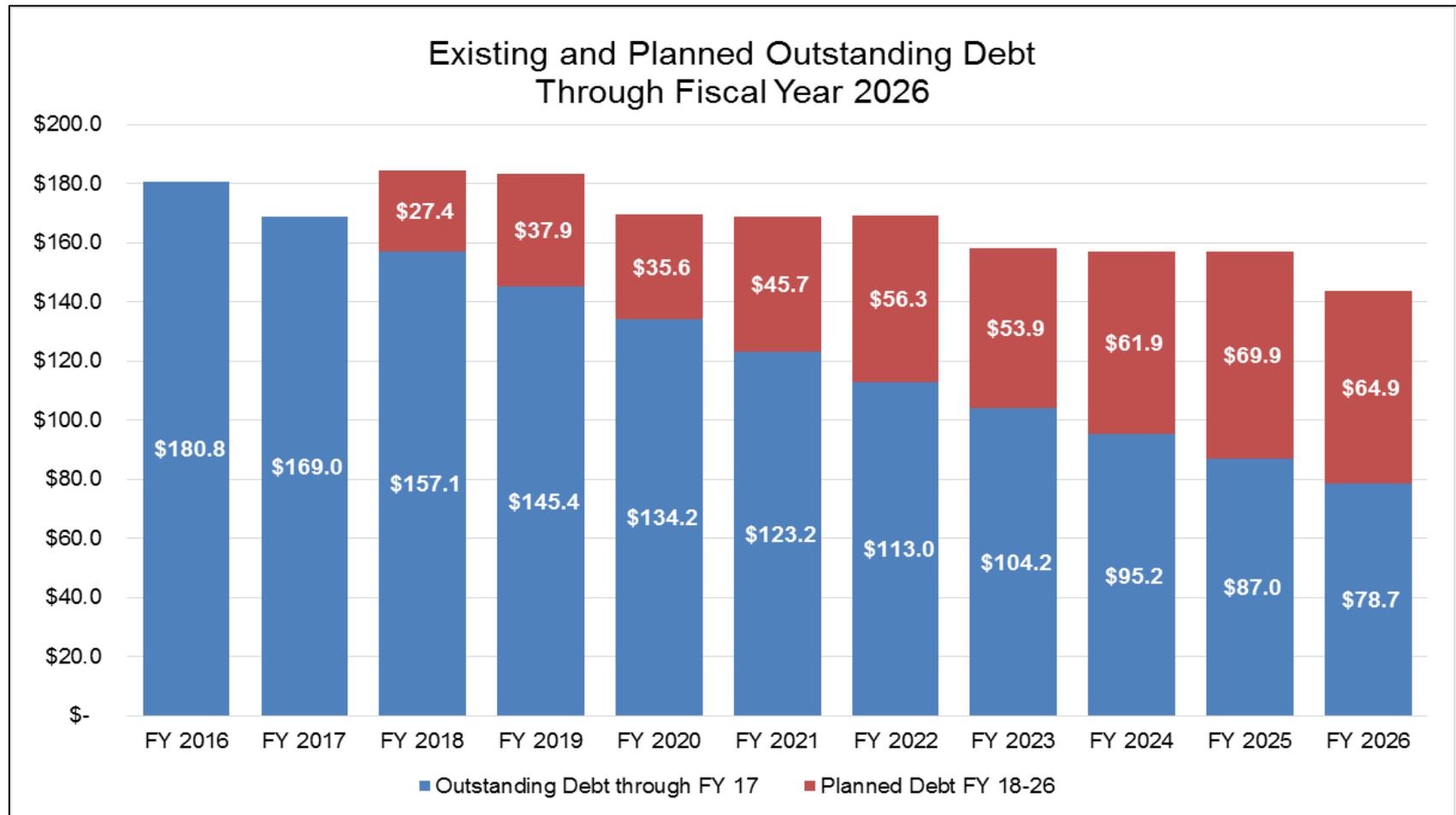
**Current Approved CIP - \$63.3 M**  
**Planned Funding Sources**  
(\$ in millions)



Current Approved CIP is 67.3% Cash and 32.7% Bond Funded

# Current Approved Capital Improvement Program

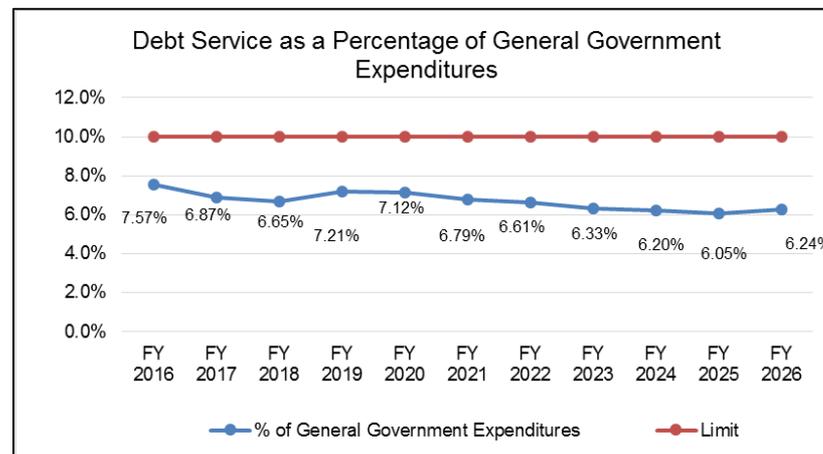
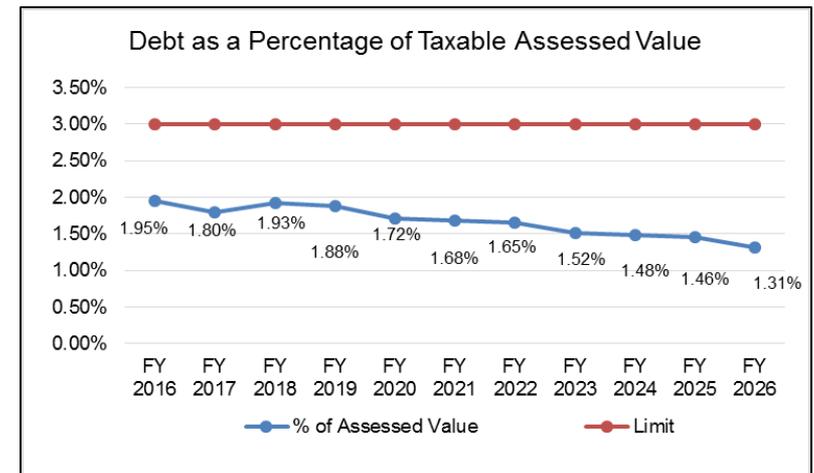
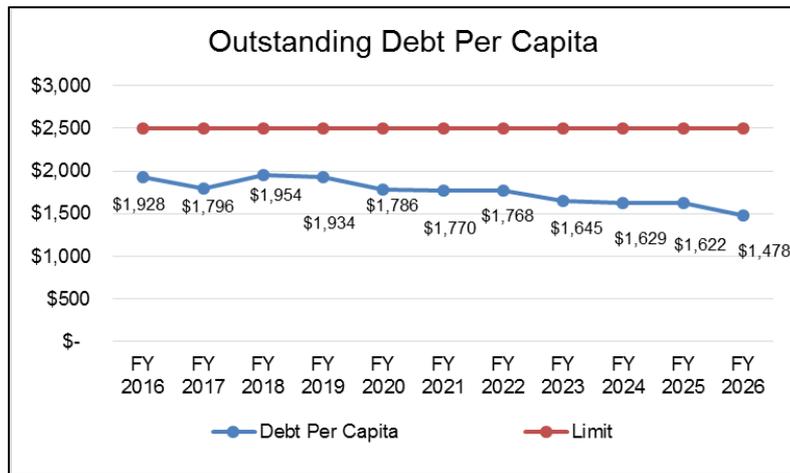
## \*Debt Ratios and Outstanding Debt



\*Outstanding debt and debt ratios include debt issued on behalf of RCPS.

# Current Approved Capital Improvement Program

## \*Debt Ratios and Outstanding Debt



\*Outstanding debt and debt ratios include debt issued on behalf of RCPS.

# FY 2018-2027 Capital Improvement Program

## Important Dates

Date	Item
November – Mid-January	Staff develops balanced ten-year CIP for County Administrator
January 5, 2017	Joint work session with Roanoke County Public Schools to review CIP
January 24, 2017	Board of Supervisors receives County Administrator's Proposed FY 2018-2027 CIP
April 11, 2017	Public hearing on Capital and Operating Budgets
April 25, 2017	Budget work session on Capital and Debt Budgets
May 9, 2017	First reading of FY 2017-2018 Operating Budget and FY 2018-2027 CIP
May 23, 2017	Second reading and approval of FY 2017-2018 Operating Budget and FY 2018-2027 CIP

# QUESTIONS & COMMENTS

---