



**COMMITTEE ON
TRANSPORTATION & THE
ENVIRONMENT PUBLIC
OVERSIGHT ROUNDTABLE**



The Condition of the District's Roadways

October 31, 2017

11:00 AM

John A. Wilson Building, Room 412

Introduction

- **DDOT Accomplishments**
- **Federal Roadways**
 - Investment Trends
 - Projected Condition
- **Local Roadways**
 - Investment Trends
 - Projected Condition
- **Pavement Condition Index**
- **Roadway Maintenance Program**
- **Paving it Forward**
- **Online Resources**



DDOT Accomplishments

AlleyPalooza

- Six campaigns initiated since FY 2015
- Over 400 alleys reconstructed and repaired

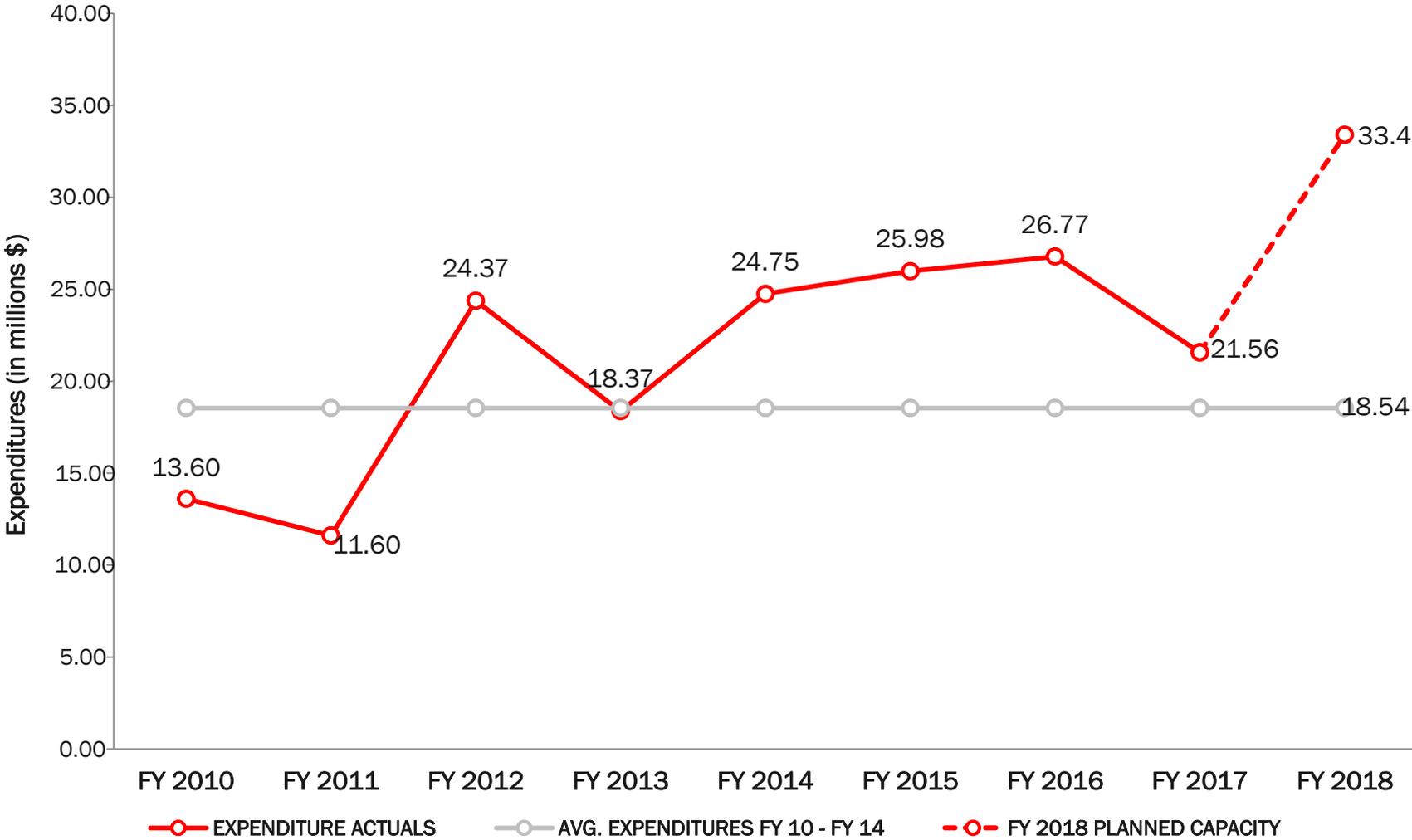
Roadway Paving

- Mayor's priority, with increased focus starting in FY 2016
- FY 2017 expenditures are more than 40% higher than FY 2016 expenditures and more than 4.5 times higher than the FY 2010-2014 average
- Tripled the number of miles paved in 2016 and 2017 compared to the average from 2010 to 2014
- Saved \$1.2 million in FY 2017 by utilizing in-house forces to address potholes

Bridge Rehabilitation

- Reduced the number of structurally deficient bridges from 23 to 5 in the last several years

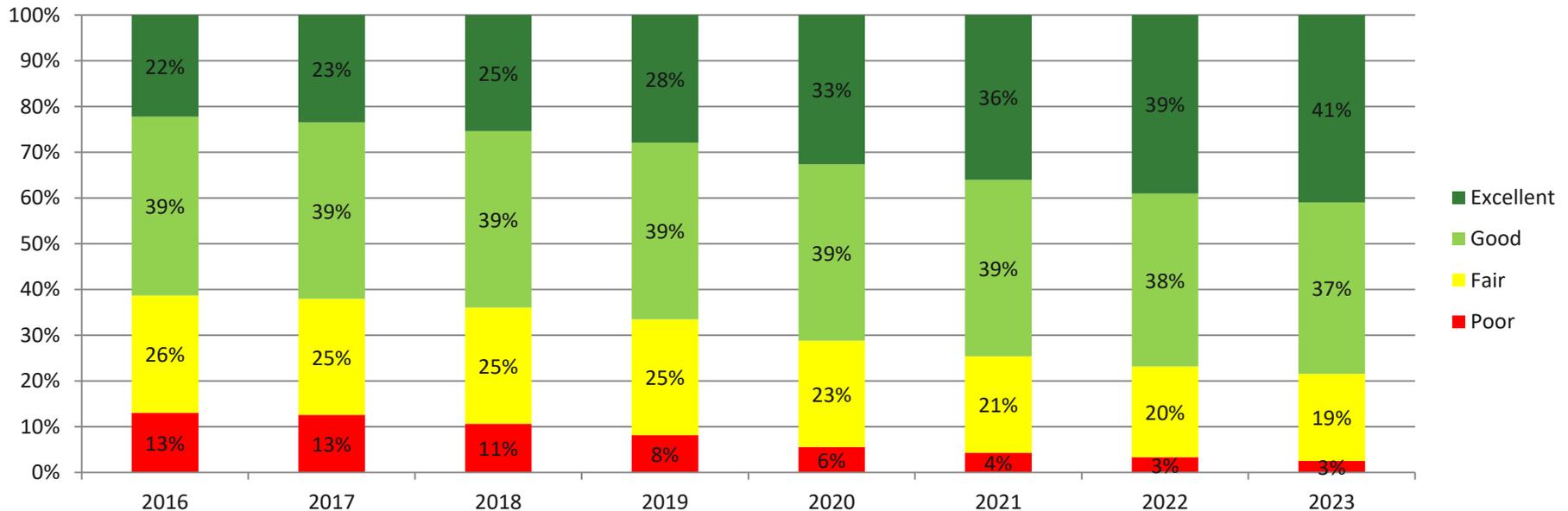
Federal Roadways: Investment Trends



Federal Roadways: Projected Condition

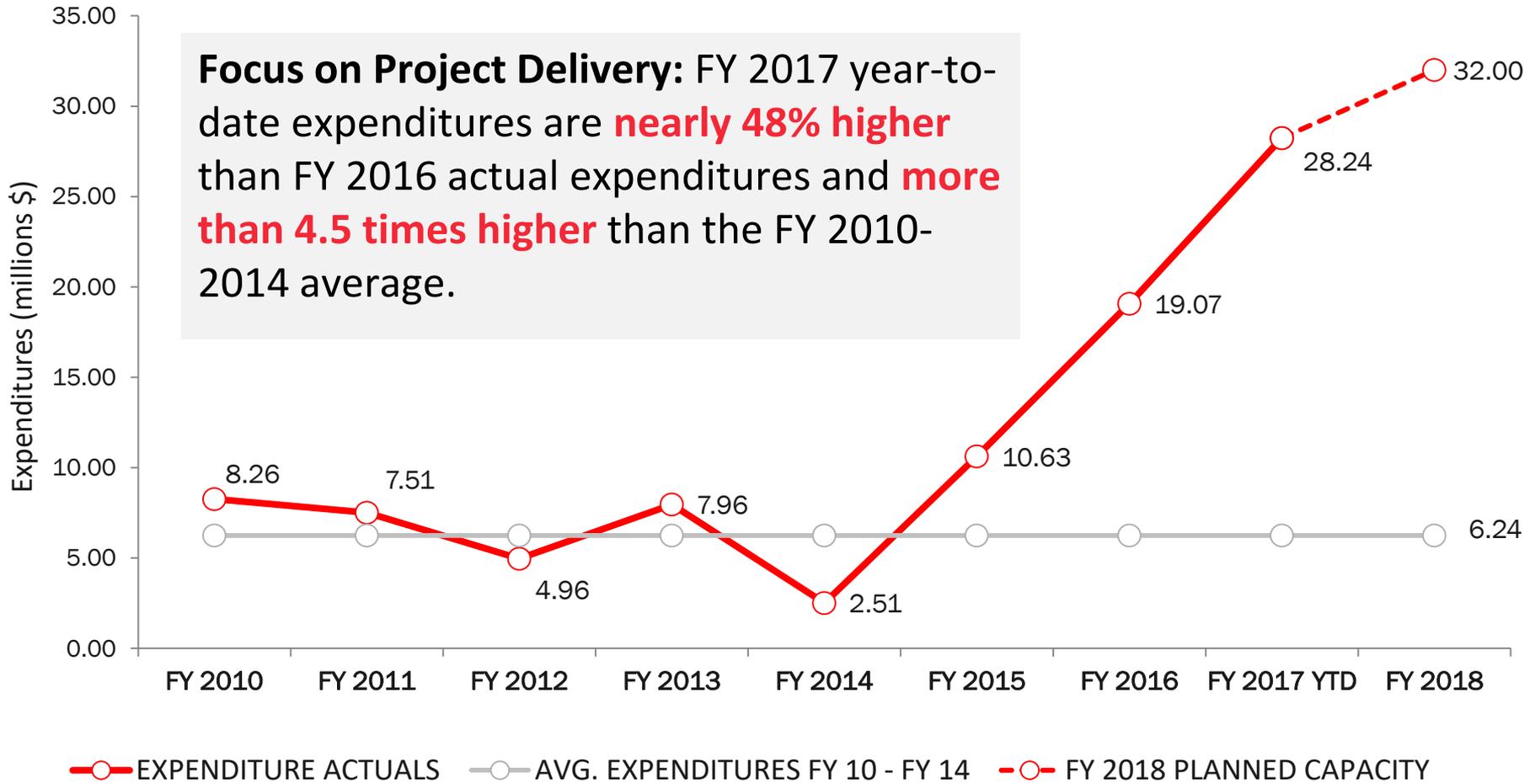
Asset Condition – 6-Year Budget Allotments (\$ in thousands)

2016	2017	2018	2019	2020	2021	2022	2023
\$26,700	\$21,500	\$ 33,400	\$ 26,900	\$ 26,900	\$ 26,900	\$ 26,900	\$ 26,900



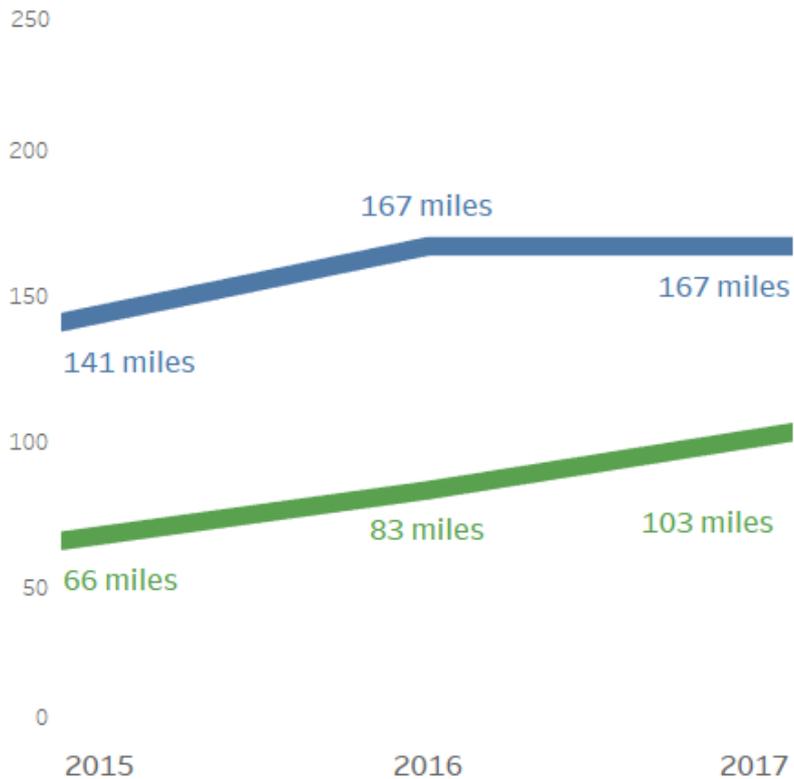
	APPROXIMATE MILES by Condition Category							
	2016	2017	2018	2019	2020	2021	2022	2023
Excellent	104.0	110.0	118.9	130.9	152.9	168.9	186.9	197.9
Good	183.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0
Fair	120.0	119.0	119.0	119.0	109.0	99.0	95.0	92.0
Poor	61.0	59.0	50.1	38.1	26.1	20.1	16.1	12.1

Local Roadways: Investment Trends

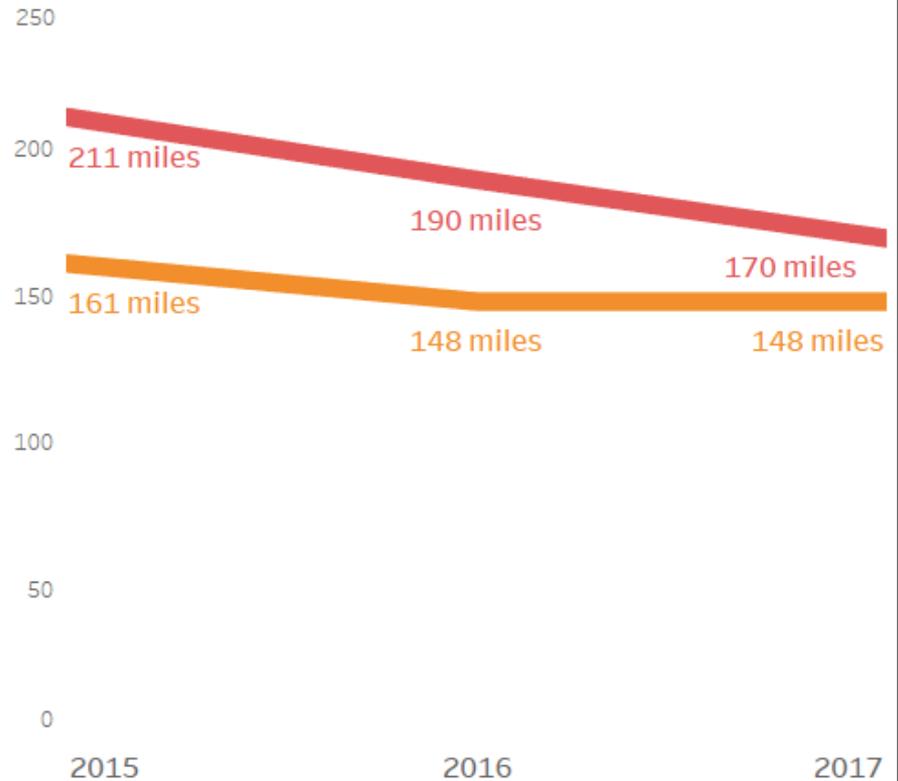


Local Roadways: Improvement since 2015

56% increase in the miles of roadway assessed as Excellent
18% increase in the miles of roadway assessed as Good



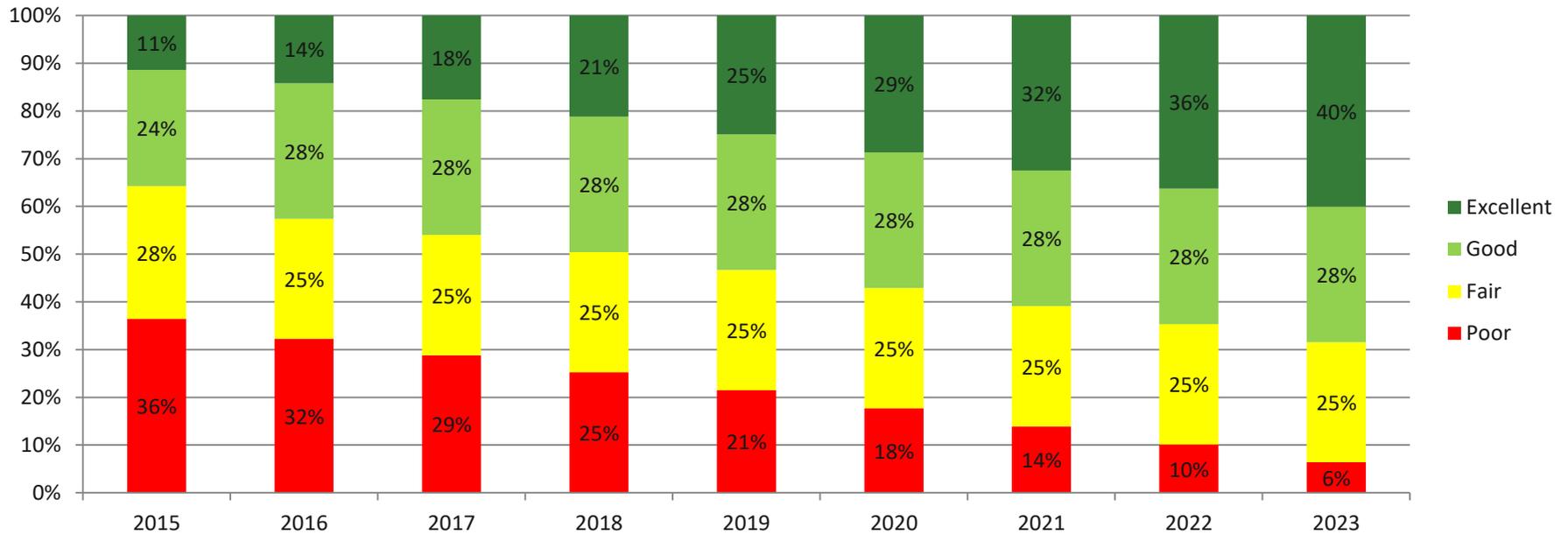
19% decrease in the miles of roadway assessed as Poor
8% decrease in the miles of roadway assessed as Fair



Local Roadways: Projected Condition

Asset Condition – 6-Year Budget Allotments (\$ in thousands)

2015	2016	2017	2018	2019	2020	2021	2022	2023
\$12,000	23,800	\$28,240	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000



APPROXIMATE MILES by Condition Category

	2015	2016	2017	2018	2019	2020	2021	2022	2023
Excellent	66.0	83.3	103.3	124.3	146.5	168.7	190.9	213.0	235.2
Good	141.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0
Fair	161.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
Poor	211.0	189.5	169.5	148.5	126.3	104.1	81.9	59.8	37.6

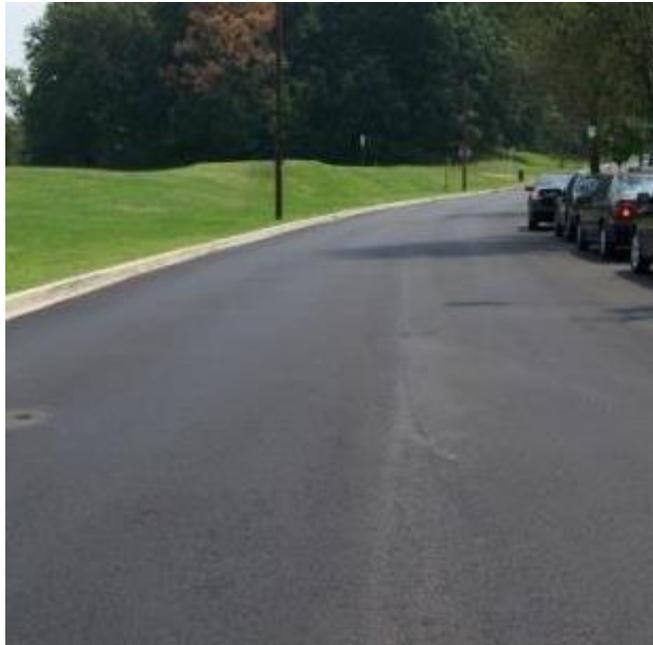
Reconstruction Investment

Approximately \$15 - \$25 million per year

- **Major projects that can span multiple fiscal years**
- **Examples**
 - Kennedy Street Reconstruction
 - Blair Road Streetscape Project
 - Oregon Avenue Reconstruction

Pavement Condition Index (PCI)

Excellent	Good	Fair	Poor
100-86	85-71	70-56	55-0



EXCELLENT

No defects or deficiencies



GOOD

Low severity defects and deficiencies

Pavement Condition Index (PCI)

DDOT's priority for the roadways is to resurface the worst first.

Streets with a PCI of 55 or lower



FAIR

Low to moderate severity defects or deficiencies



POOR

Medium to high severity defects or deficiencies

Roadway Maintenance Program

Reconstruction

- Major capital projects that include complete removal of the surface and base of the roadway
 - 14 St. Streetscape Project
 - Reconstruction of Kenilworth Ave.

System Preservation

- Resurfacing
- Surface rejuvenation

Maintenance

- Patching
- Crack sealing
- Restoration of utility cuts

Paving It Forward

FY18 initiatives to improve the DDOT paving program

- **Procurement & invoicing improvements**
 - Implemented new invoice payment process improvements (Fall 2017)
 - Transitioning to multiple award IDIQ contracts (Spring 2018)
- **Transportation Asset Management Plan (TAMP)**
 - Comprehensive evaluation of the condition, investment, and risk associated with all roads, bridges, and tunnels
 - Completion: Federal - Spring 2018; Local - Fall 2018
- **Sub-Surface Evaluations (Fall 2018)**
 - Proactive investigation of sinking pavement to identify voids and/or failures
- **Alley Condition Assessment (Fall 2018)**
 - Establishing a PCI for all alleys

Online Resources

- District Transportation Access Portal (DTAP)
 - Paving Program Page:
<https://dtap.ddot.dc.gov/Projects/PavingPlan>
- DDOT Website
 - Street Resurfacing Page:
<https://ddot.dc.gov/service/street-resurfacing>
- DDOT Blog
 - Relunched as <https://ddotdelivers.com>

Thank You