

# 2015 State of the Region Infrastructure Report



*Transportation Planning Board  
June 17, 2015*



# Board 2014 Infrastructure Initiative

- Priority COG Board focus
- National issue
- Goals of infrastructure initiative
- Series of expert presentations throughout the year



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# Report Organization

- Executive Summary
- Introduction & Overview of 2014 Infrastructure Initiative
- Infrastructure Sectors
- Conclusions and Recommendations



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# Infrastructure Sectors in Report

- Transportation

- Roads and bridges
- Public Transportation
- Aviation

- Water

- **Drinking Water**
- Wastewater
- Storm Water

- Energy

- Electricity
- Natural Gas
- Petroleum

- Local Public Buildings

- Public Safety

- Communications



## Infrastructure Components of The Metropolitan Washington Region



# Transportation

- Roads and bridges
- Public Transportation
- Aviation



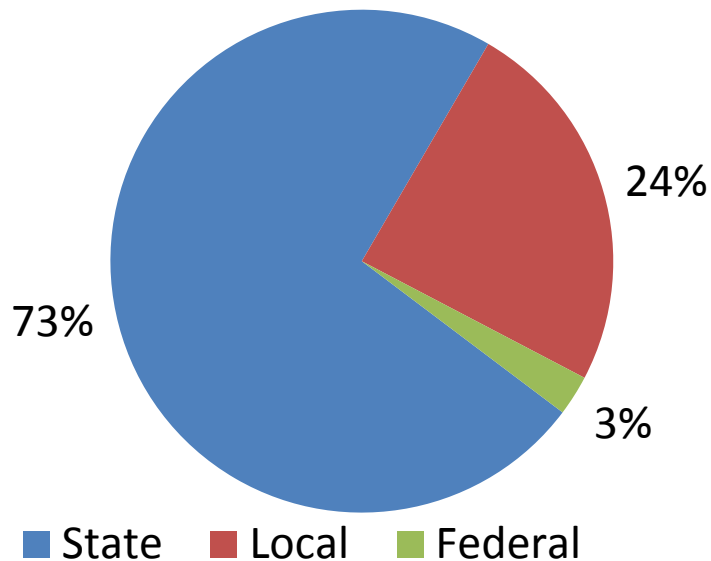
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# Highway Infrastructure

## Highway Ownership



## Highway Inventory

- 1,544 lane miles of Interstate Highways
- 4,450 lane miles of Principal Arterial Roadways
- 7,719 lane miles of Minor Arterials & Collector Roads

In addition, there are about 25,000 lane miles of Local Streets



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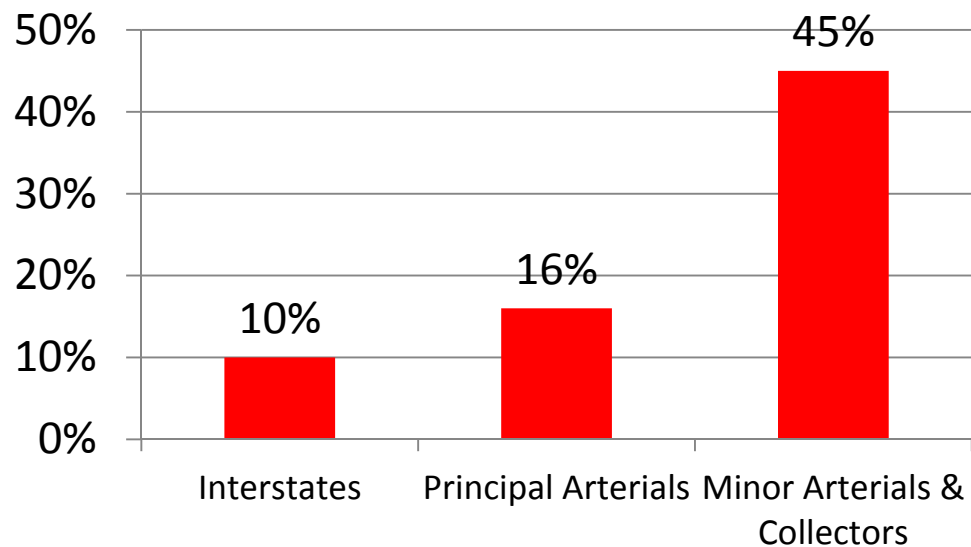


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# Highway Pavement Conditions

Only about 78% of daily highway travel is on roads with Good or Acceptable Ride Quality

### % of Lane Miles with Deficient Pavement (Ride Quality)



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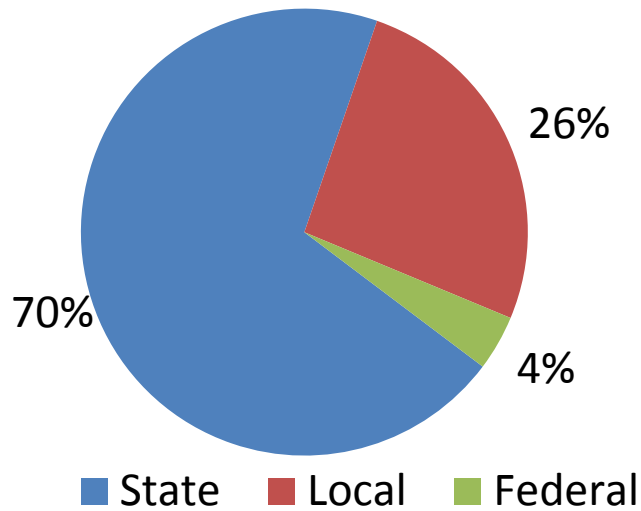
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# Bridge Infrastructure

- There are 3,331 Bridges in the Region
- About 1.4 Million Vehicles Cross the Potomac and Anacostia Bridges each day

## Bridge Ownership



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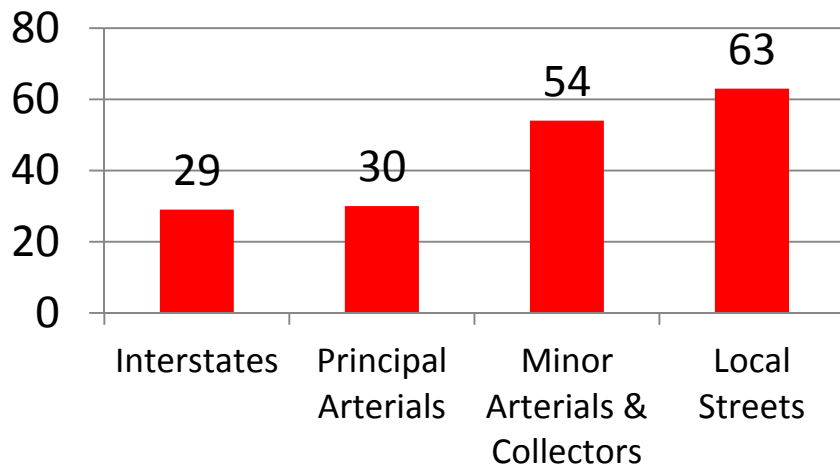


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# Bridge Conditions

- 176 Bridges or about 5% of all Bridges in the Region have been rated as “Structurally Deficient”

### # of Structurally Deficient Bridges



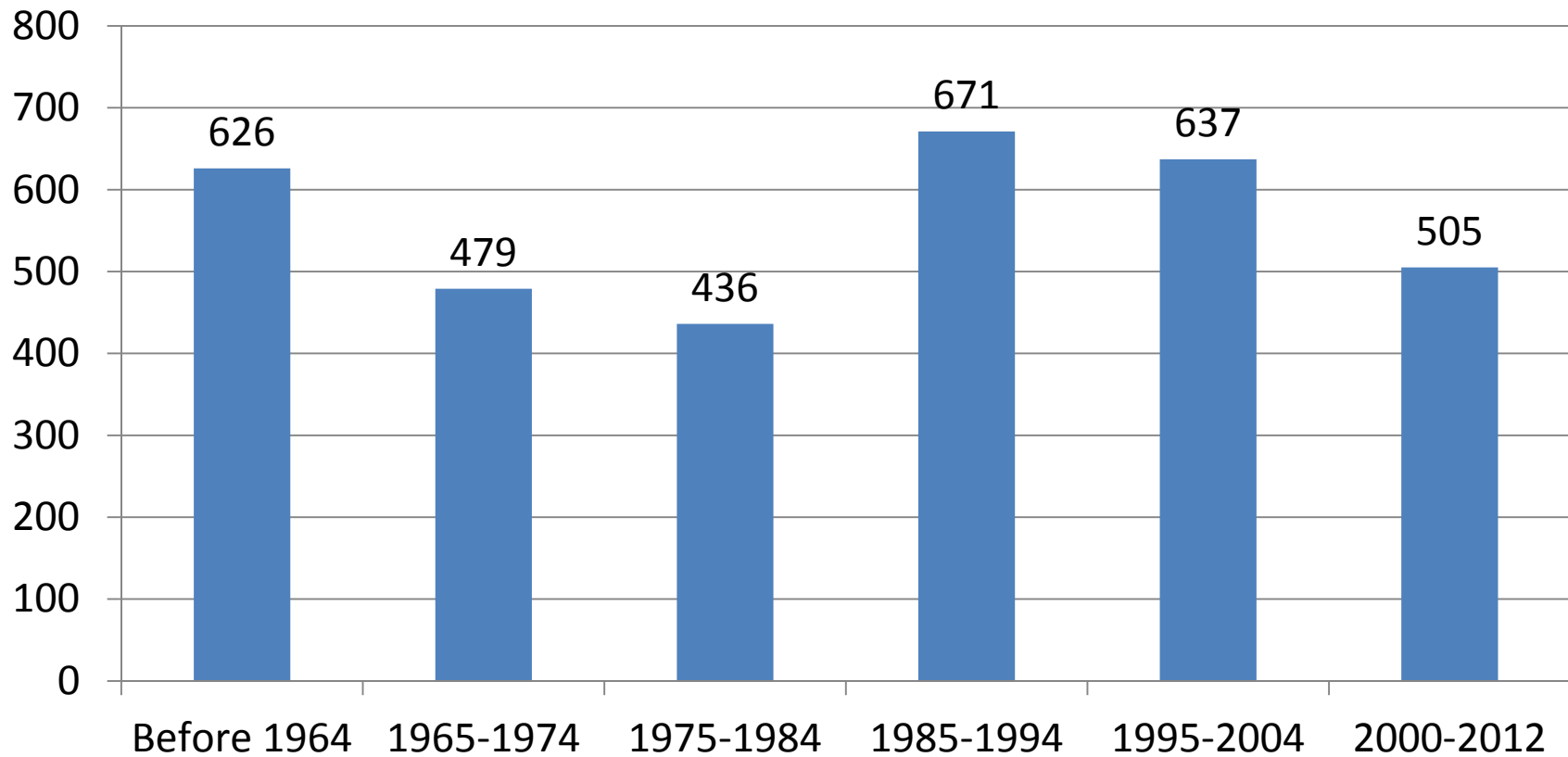
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# Age of Bridges in Region

**Number of Bridge Reconstructions by Time Period**



## Expenditures on Highway and Bridge Infrastructure

Region is expected to spend \$100 Billion on Highways and Bridges over the next 25 years



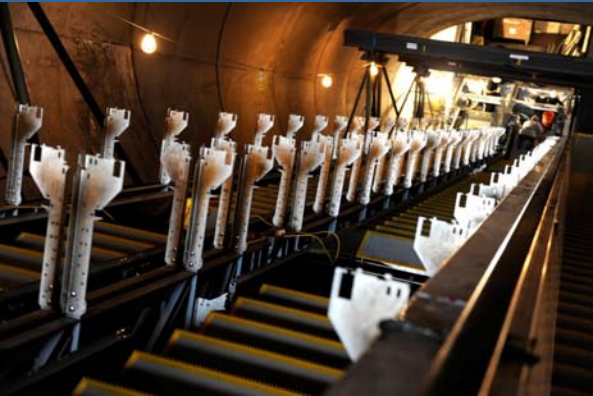
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# Metro: Maintaining A State of Good Repair

## \$1 Billion Annually to Maintain Current System



# Metro: Accommodating Growth on Existing System

## \$6 Billion in Core Capacity Improvements Needed by 2025



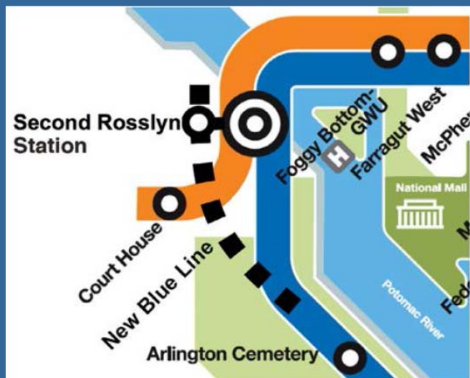
More Station Capacity



100% 8-car trains



Bus Fleet Expansion



New Blue Connections



NextGen Communications



More Pocket Tracks



Bus Priority Network



# Dulles: \$5 Billion Invested for Growth



*Updated baggage system*



*Expanded International Arrivals Building*



*AeroTrain System*



*4<sup>th</sup> Runway*

## RECENT PROJECTS

26 Gate Terminal, Consolidated Rental Car Facility,  
Terminal Roadway Expansion, Daily Garage





# Funding Gaps

Infrastructure Sector	Funding Gap	Time Frame
Transportation—Public Transportation	\$16 billion	10 years
Transportation—Roads	\$7.5 billion	15 years
Transportation—Bridges	\$1 billion	10 years
Water—Storm Water	\$10 billion	10 years
Water—Drinking Water	\$10 billion	10 years
Energy—Electric	\$4.4 billion	3 years
Energy—Gas	\$650 million	5 years
Public Buildings	\$8.5 billion	6 years
Public Safety Communications	Study for Regional NG9-1-1 in process, cost estimates available in late 2015	
<b>Total:</b>	\$58 billion	



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# Recommendations

1. Regional infrastructure exchange
2. Public education campaign
3. Continued sharing of best practices
4. Workshop series on unique funding mechanisms
5. Advocacy
6. COG Board adopt resolution R4-2015, accepting the 2015 State of the Region Infrastructure Report



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## Next Steps

- Building on ongoing work with COG core competencies and Region Forward
- Increase infrastructure public awareness through continued media presence
- Pursue development of an infrastructure exchange
- Hosted Infrastructure Financing Workshop – May 2015
- Link the importance of infrastructure to improving regional economic competitiveness



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