

Transportation Work Session

Priorities for Investment

City Council

September 24, 2019

System Snapshot

4 Metrorail
stations

33 bus routes
with 765 bus
stops

560 Lane Miles
of Roads

254 Signalized
Intersections

48,000 Street
Signs

29 City
Maintained
Bridges

18 Radar
Speed Signs

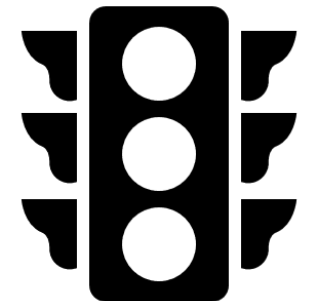
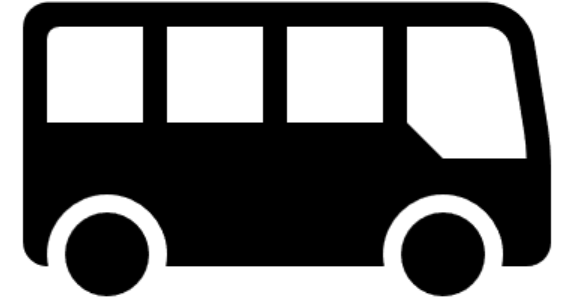
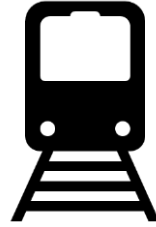
270 Metered
parking spaces

31 Bikeshare
stations

17 Crosswalks
with flashing
beacons

1 VRE &
Amtrak station

~800 e-
scooters



“In 2022, Alexandria is **regionally linked** and **easy to navigate** regardless of resources or ability. City government supports a wide variety of **safe, connected transportation options** that enable access to daily activities. These options include **bus, metro, bicycle, automobile, and walking**. **Public transportation** has reliable and frequent service that is clearly communicated and understood.”

Key Performance Indicators

City Strategic
Plan:
Multimodal
Transportation

Non-SOV Travel



Increase the percentage of commuters using alternative transportation options

Safety



Reduce the number of:

- *All traffic crashes
- *Severe injury and fatality crashes
- *Pedestrian and bicycle crashes

Congestion/ Convenience



Maintain the percentage of residents with a positive view of the overall ease of getting to places they usually visit

State of Good Repair



Increase Alexandria's Pavement Condition Index

Alexandria Mobility Plan

Key Plan Elements

Smart Mobility



Transportation Options



Parking and Curbside Management



Complete Streets

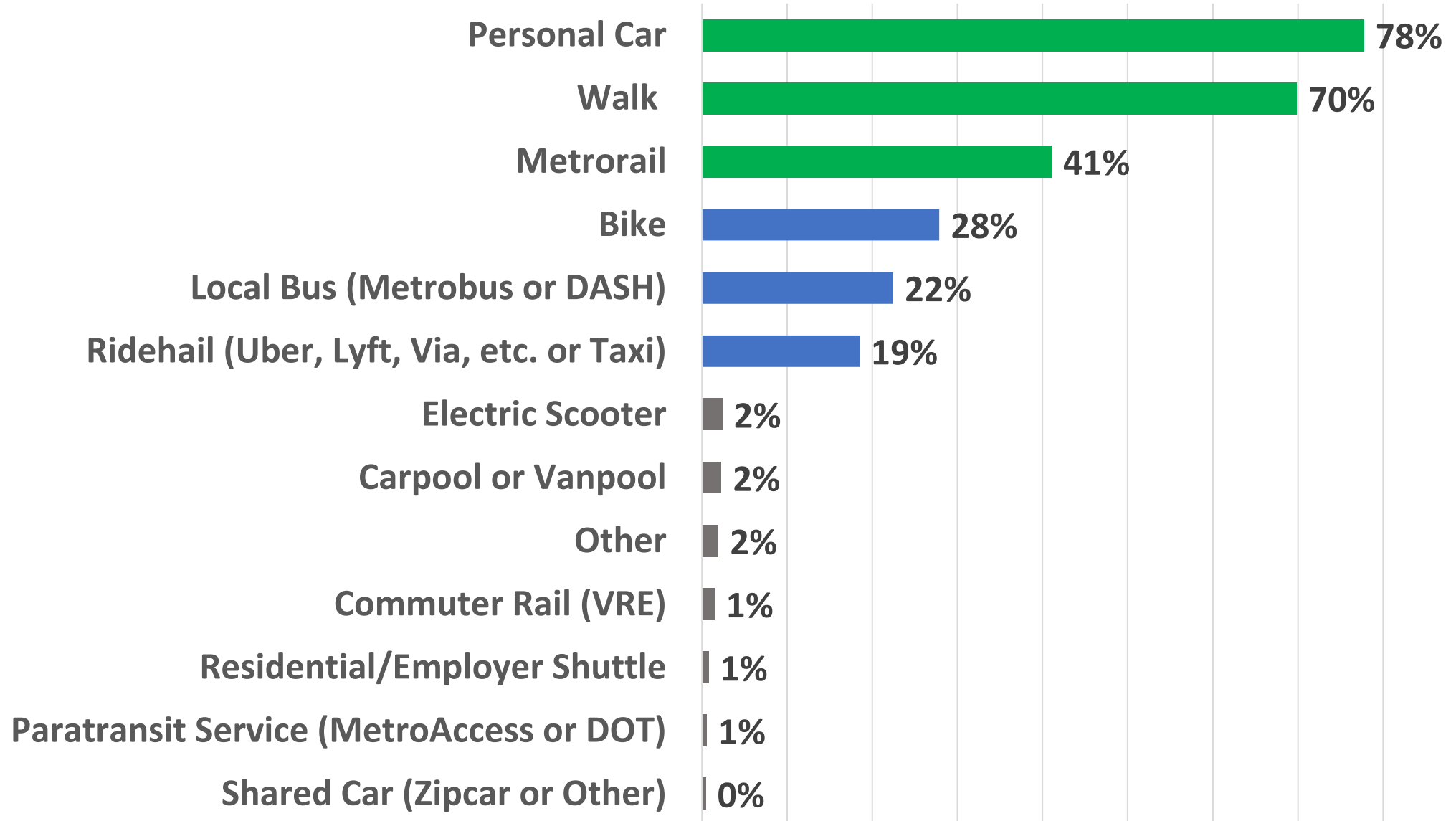


Transit

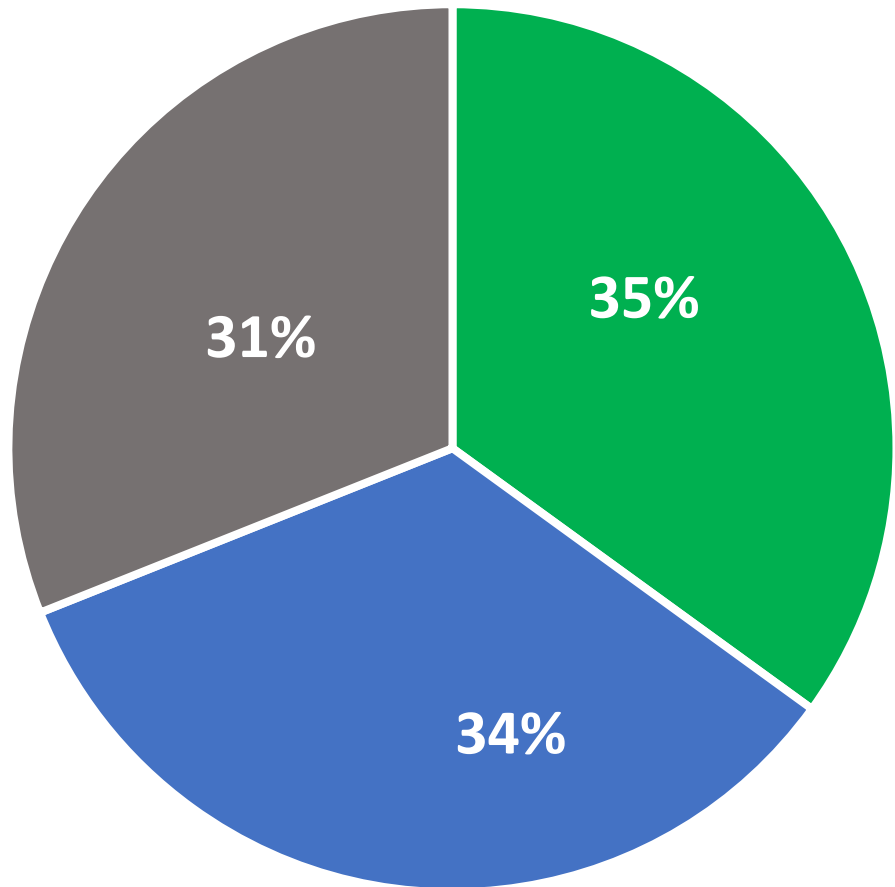


Incorporation of Bicycle & Pedestrian Plan

How do Alexandrians most frequently travel?



When developing a transportation strategy for Alexandria, we should focus most on:



- Reducing impacts of regional traffic on City streets (travel through Alexandria)
- Improving regional connections (travel to or from Alexandria)
- Improving local travel options (travel within Alexandria)



Community Vision for Mobility in Alexandria

Community Feedback

Challenges:

- Congestion & cut-through
- Competition for curb space
- Aging infrastructure
- Population growth

Opportunities:

- Transit oriented development
- Reducing dependence on single-occupant cars
- Emerging technology
- Implementing planned transit infrastructure

FY20 to FY25 Transportation Priorities

Where
we plan
to invest



Smart
Mobility 5%



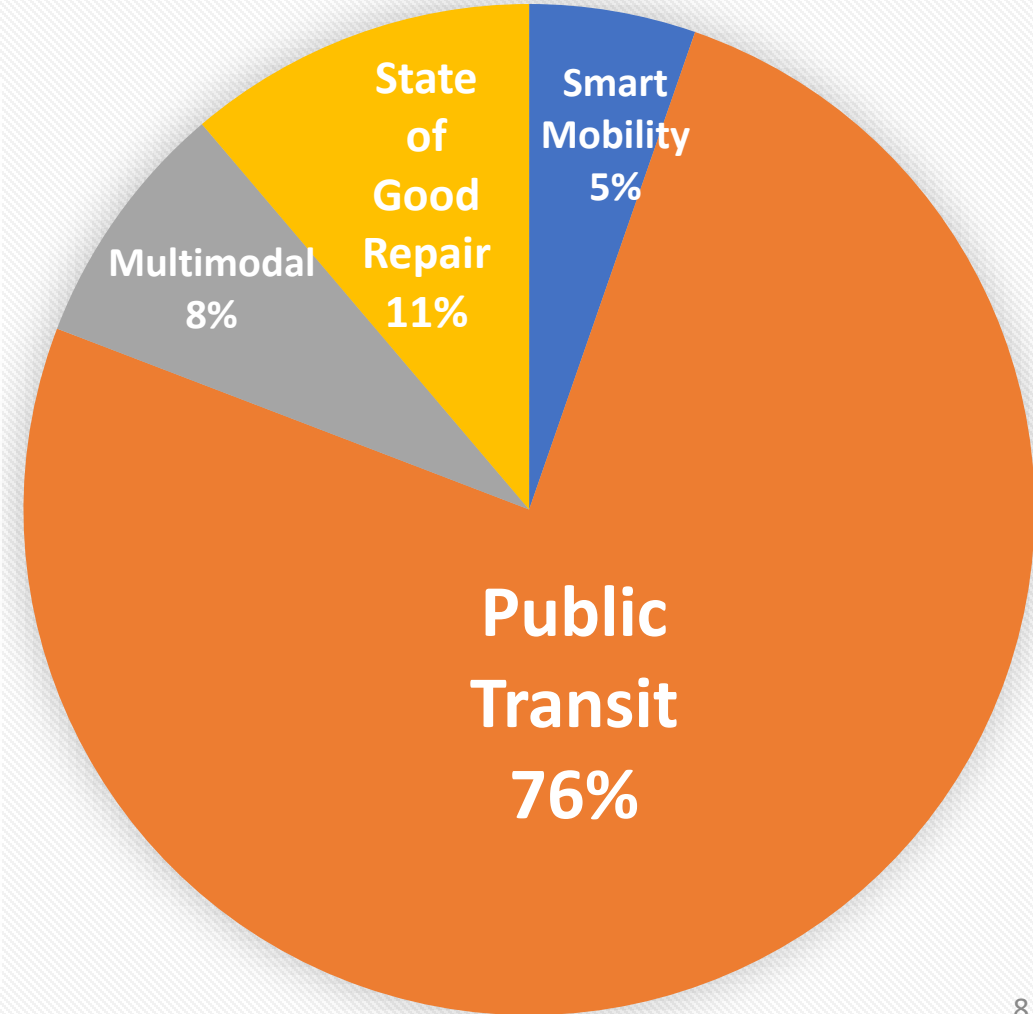
Public Transit
76%



Multimodal
8%

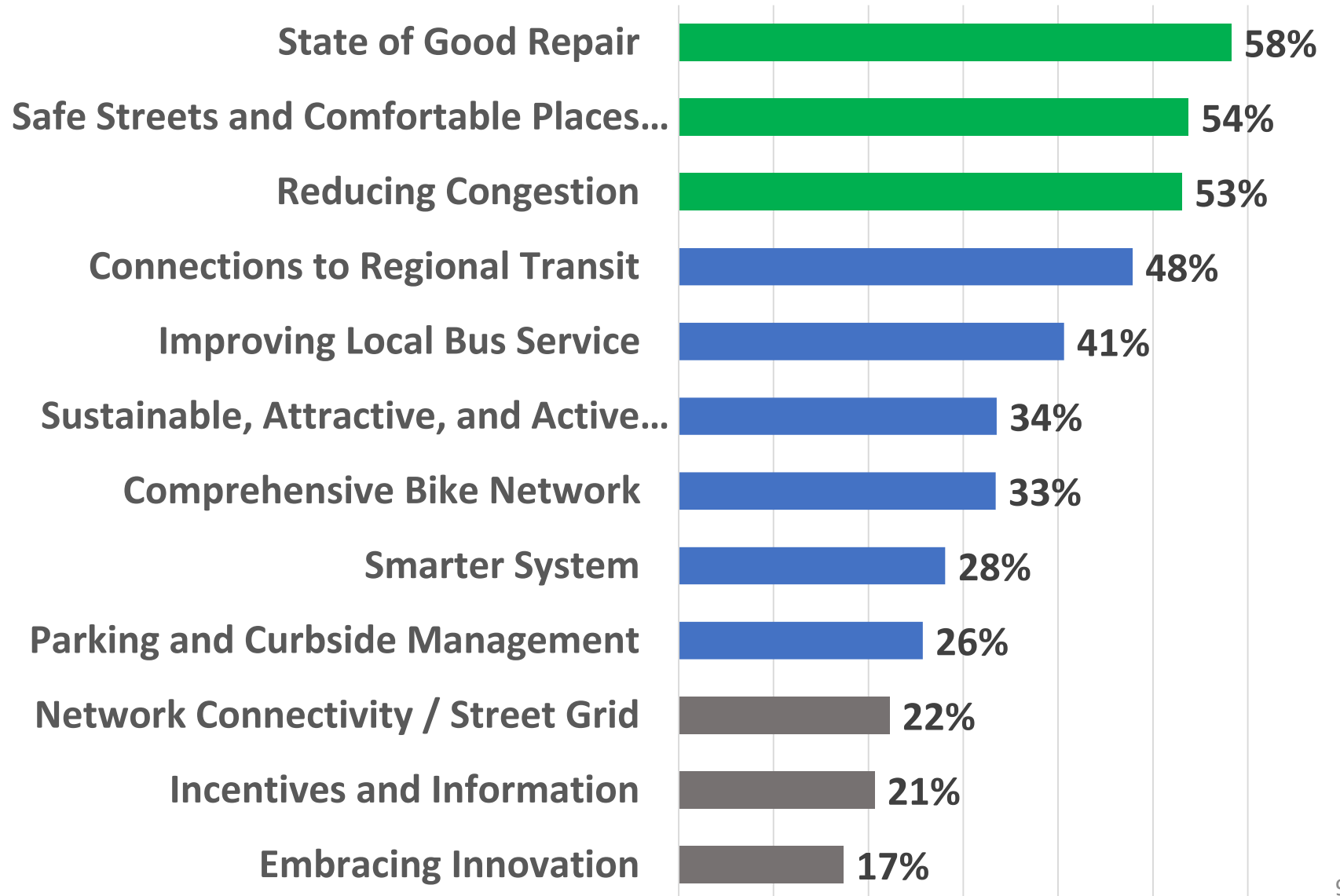


State of Good
Repair 11%



2019 Community Feedback

Where
should
Alexandria
invest in
the future?

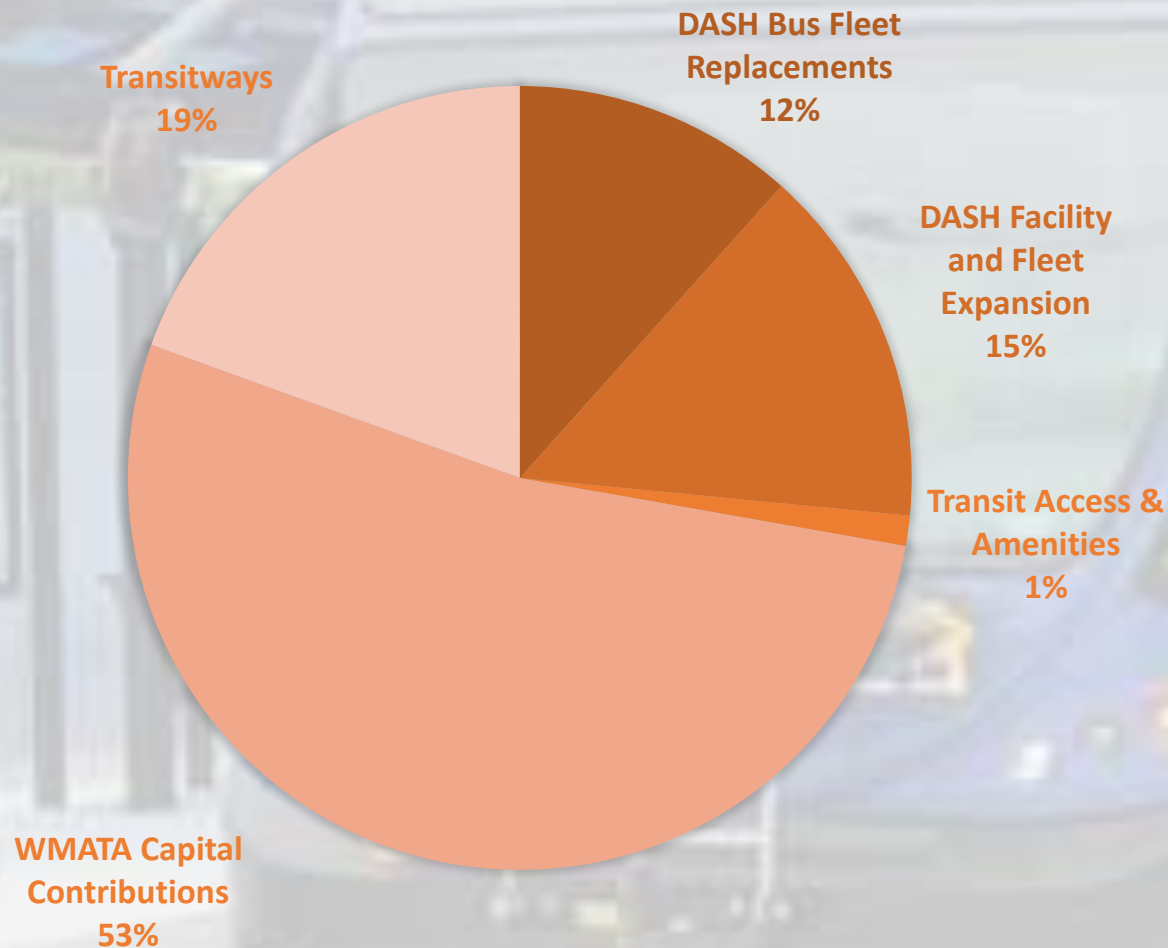




Alexandria's Planned Transportation Priorities:

- Transit
- State of Good Repair
- Reducing Congestion
- Smart Mobility

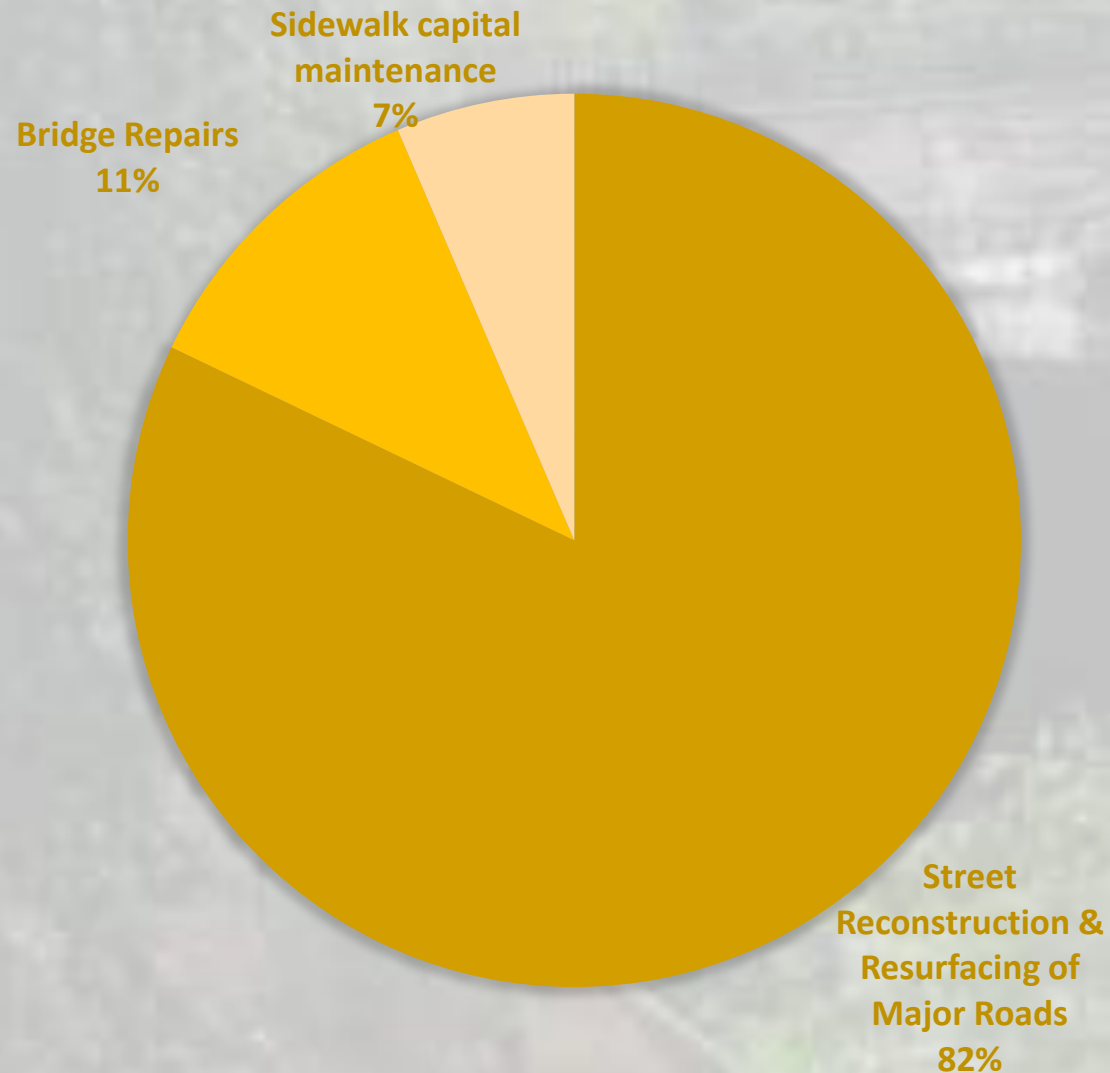
Public Transit



FY20 to FY29 CIP Projects:

- \$30M for transitways
- \$143M for WMATA Capital
- \$51M for DASH: More Frequent, Reliable & Electric Buses

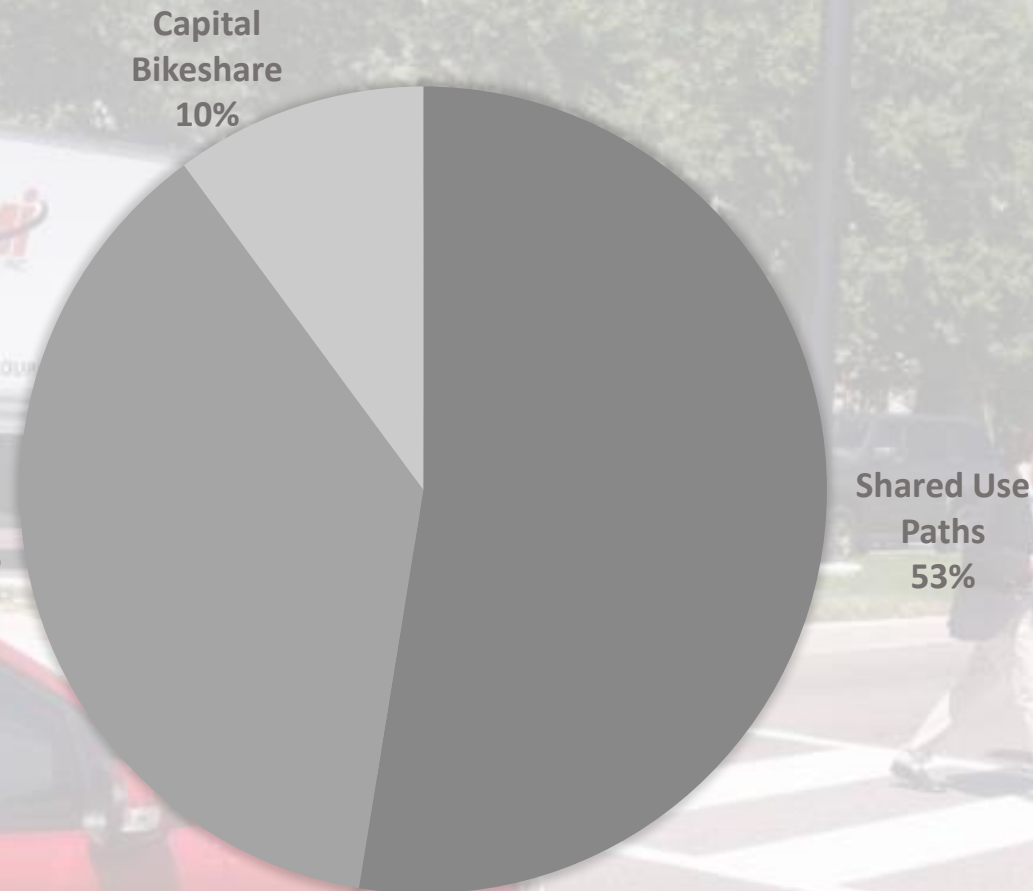
State of Good Repair



FY20 to FY29 CIP Projects:

- \$51M to get road pavement condition grade to B-
- \$14M for bridge maintenance & repair
- \$4.8M for sidewalk maintenance

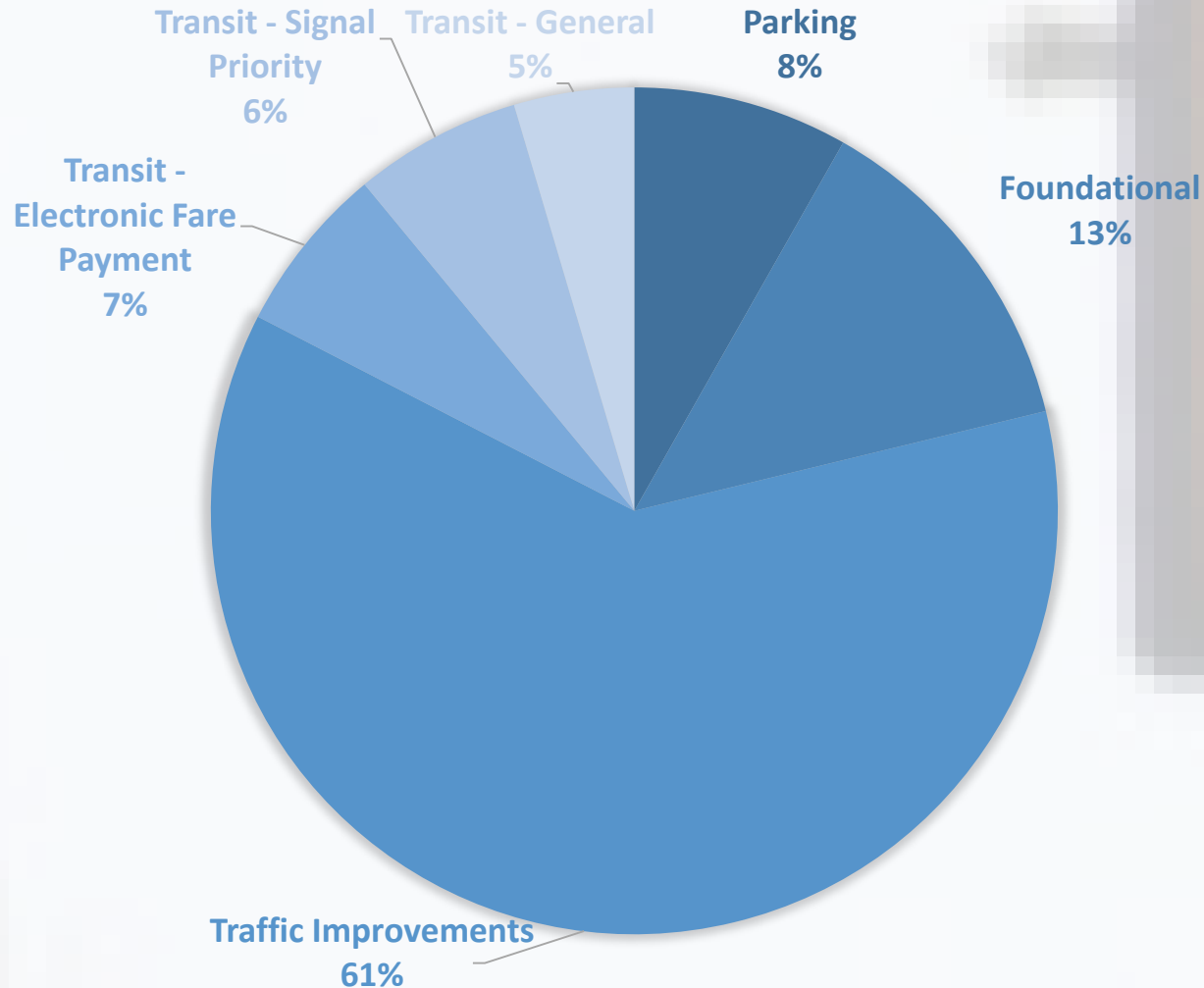
Multi-Modal



FY20 to FY29 CIP Projects:

- \$9.7M for shared-use paths
- \$8.7 for multi-modal safety projects
- \$1.6M for Capital Bikeshare

Smart Mobility












FY20 to FY29 CIP Projects:

- \$7.6M for adaptive signal control
- \$2.5M for fiber network
- \$1.2M for transit signal priority

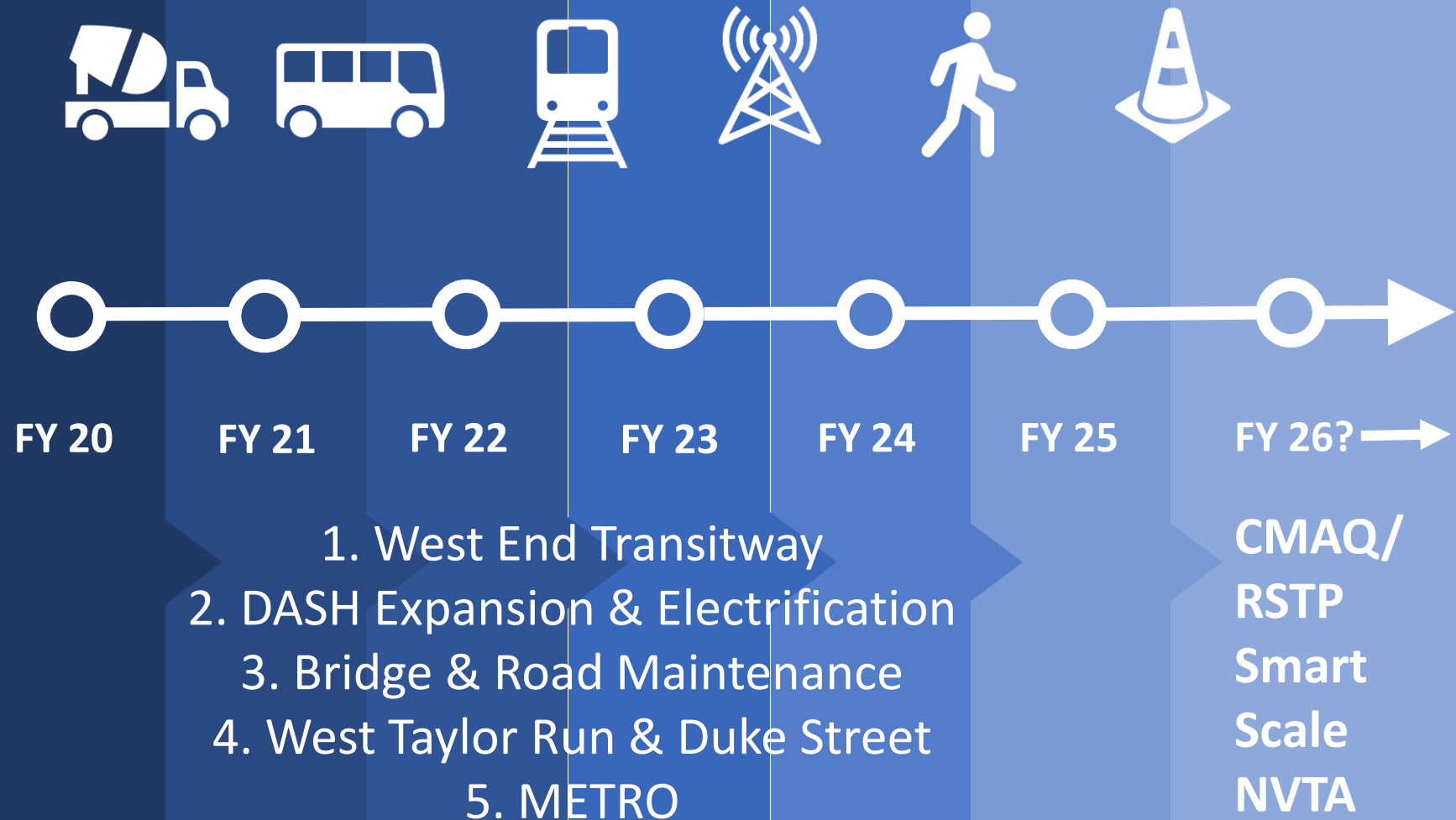
Applying information technology to roads, traffic signals and transit to **manage congestion**, make buses **fast & reliable**, and **optimize** the road space we have



-  TRANSIT
-  PARKING
-  PUBLIC SAFETY
-  ROAD WEATHER
-  MOBILITY ON DEMAND
-  TRAFFIC SIGNALS
-  PERFORMANCE MONITORING
-  INFRASTRUCTURE
-  INFORMATION MANAGEMENT

Smart Mobility Program

State & Regional
Funding Cycles
for
Transportation
Require Long-
Lead Times







Thank You