



THE STATE OF **SCDOT**

South Carolina Department of Transportation

*Presented by: Christy A. Hall, P.E.
Interim Secretary of Transportation*

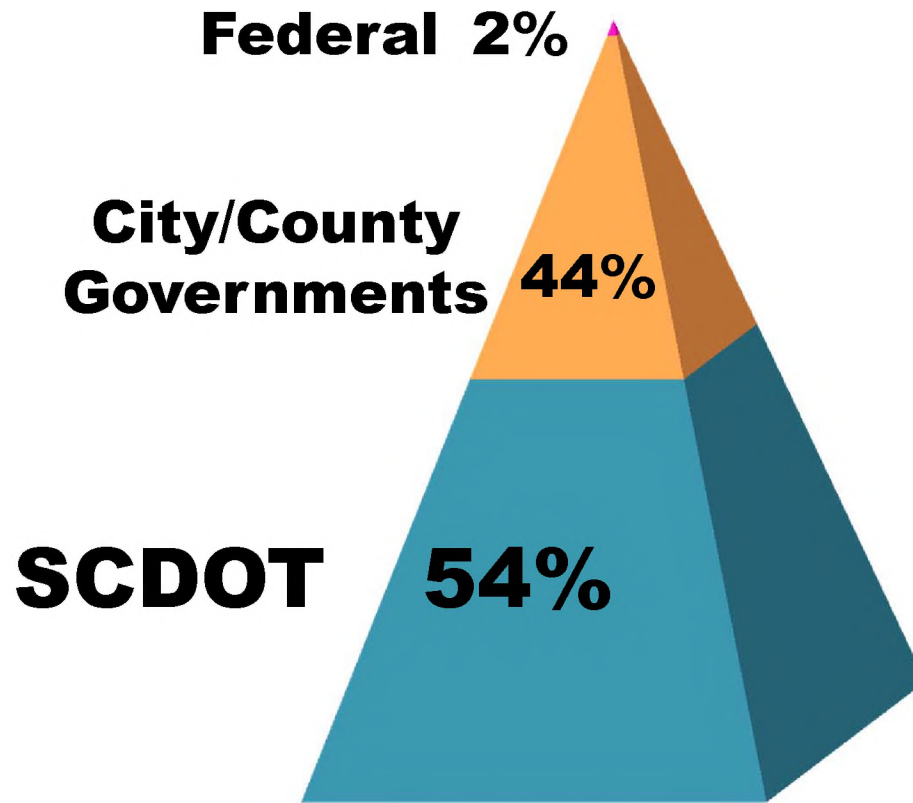
January 2016

Overall Assessment of the System

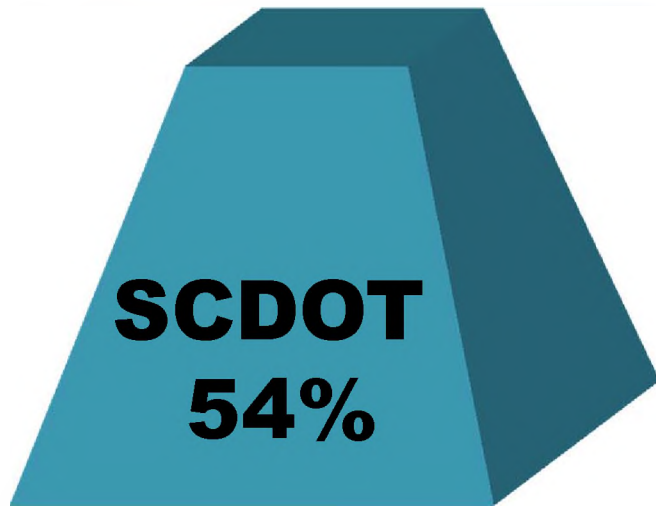
- **Pavements:** Most South Carolinian's are riding on poor pavements.
- **Bridges:** Most bridges are in good condition, but there are some high-risk areas that need to be addressed.
- **Day-to-Day Maintenance** is graded a D.
- **Congestion** is increasing and will impact our economic competitiveness.








SC Public Roads by Ownership



The State System



Centerline Miles
(as of Dec 31, 2014)

Interstate		851
Primary	 	9,471
Federal Aid Secondary		10,413
Non Federal Aid Secondary		20,657
State System Total		41,392



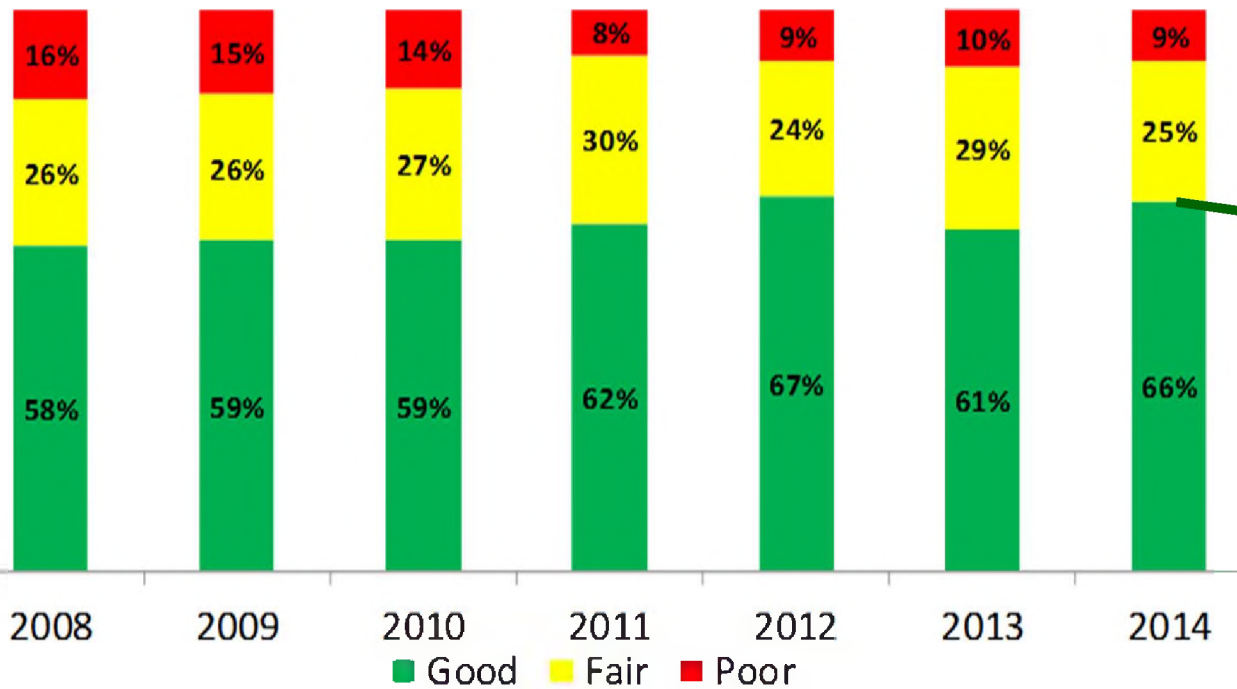
SC's Interstate System



SC's Interstate System

851 CL Miles
Carries 29% of
the State's Traffic

Pavement Conditions

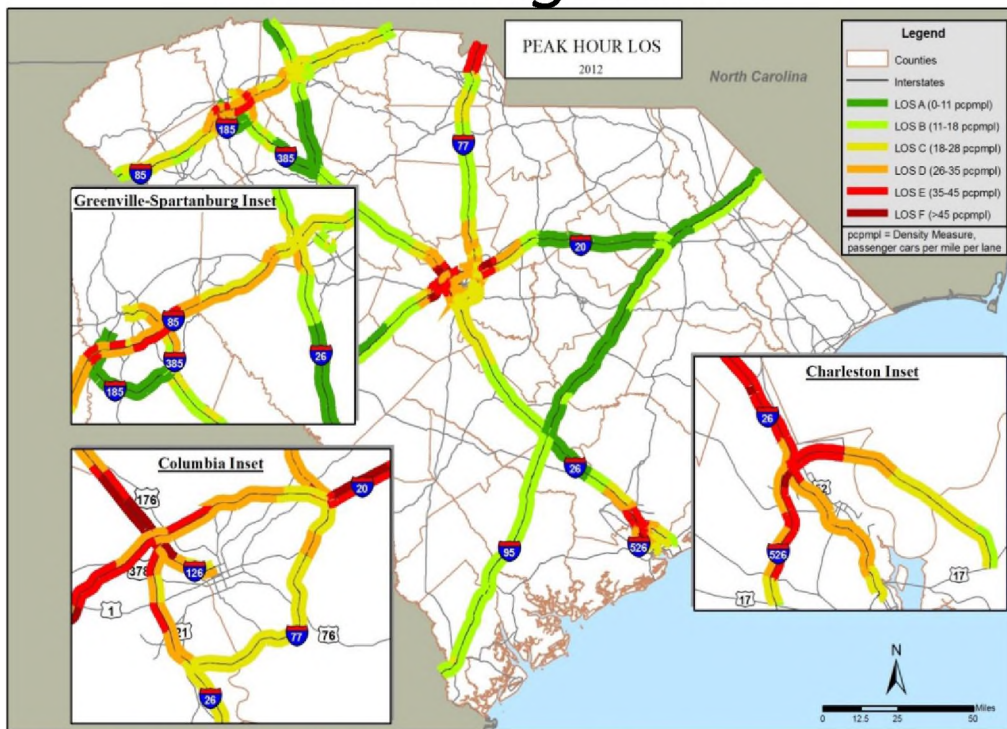


10 Year Forecast:
% Good to Decline to ≈50%

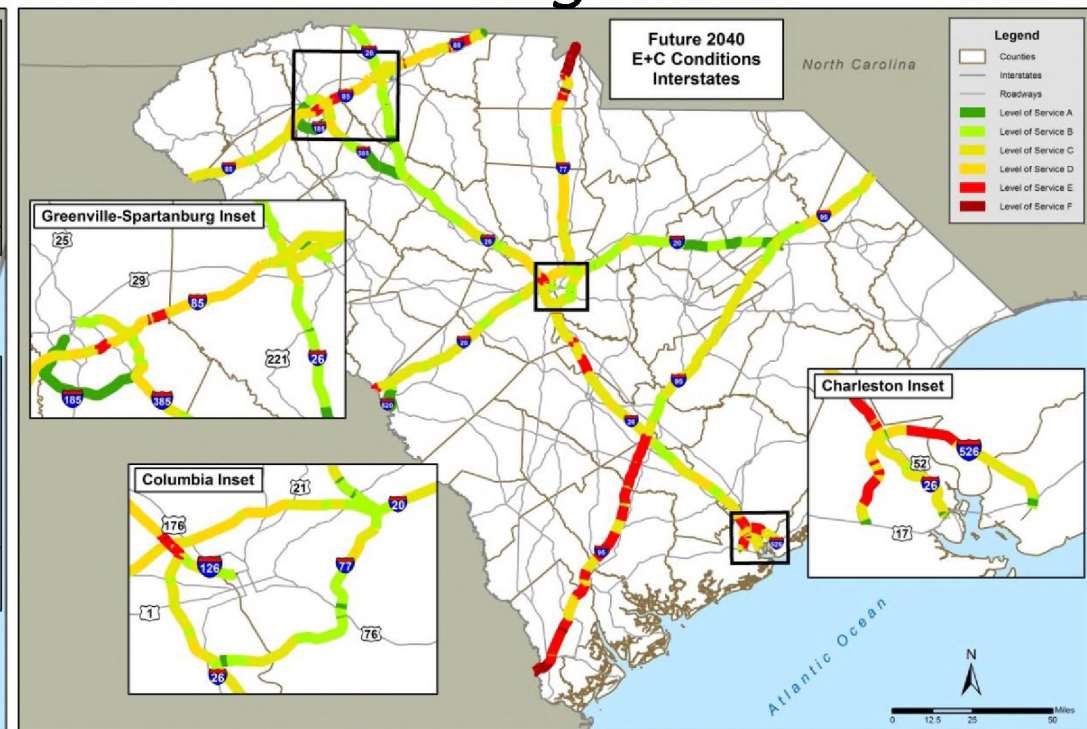


SC's Interstate System

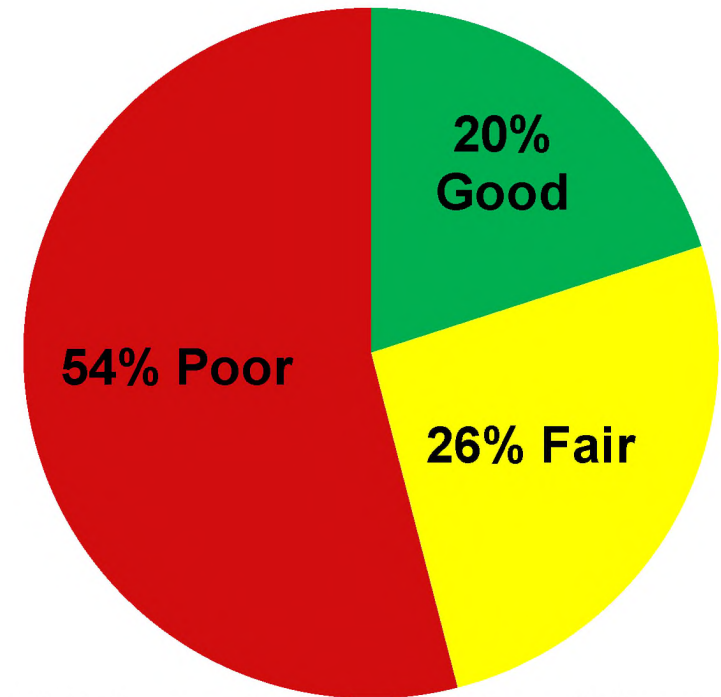
2012 Congestion



Forecasted Congestion in 2040



SC's Primary System



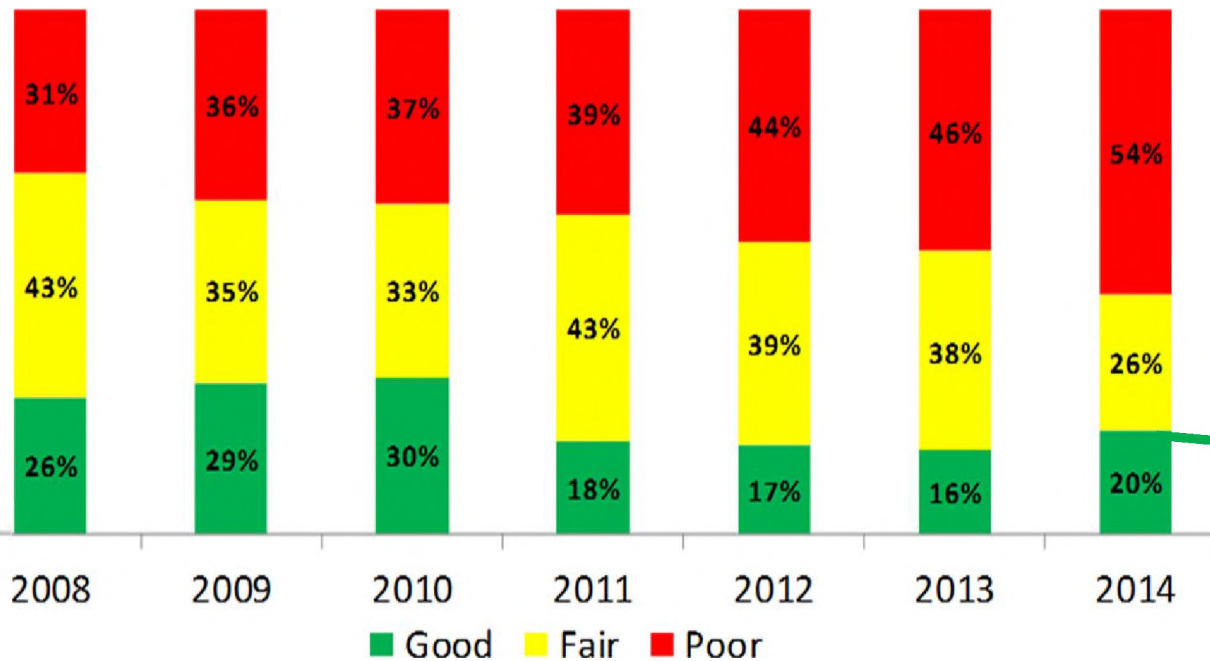
2014 Primary Pavement Conditions



SC's Primary System

9471 CL Miles
Carries **47%** of the
State's Traffic

Pavement Conditions

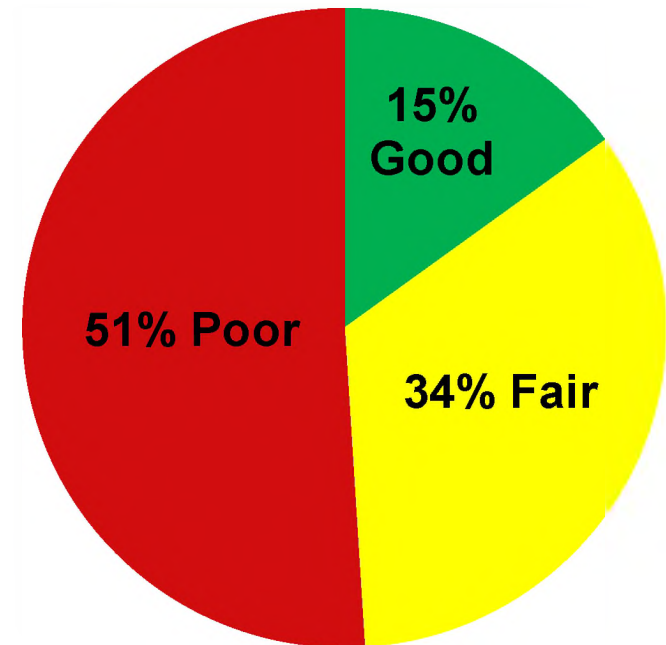
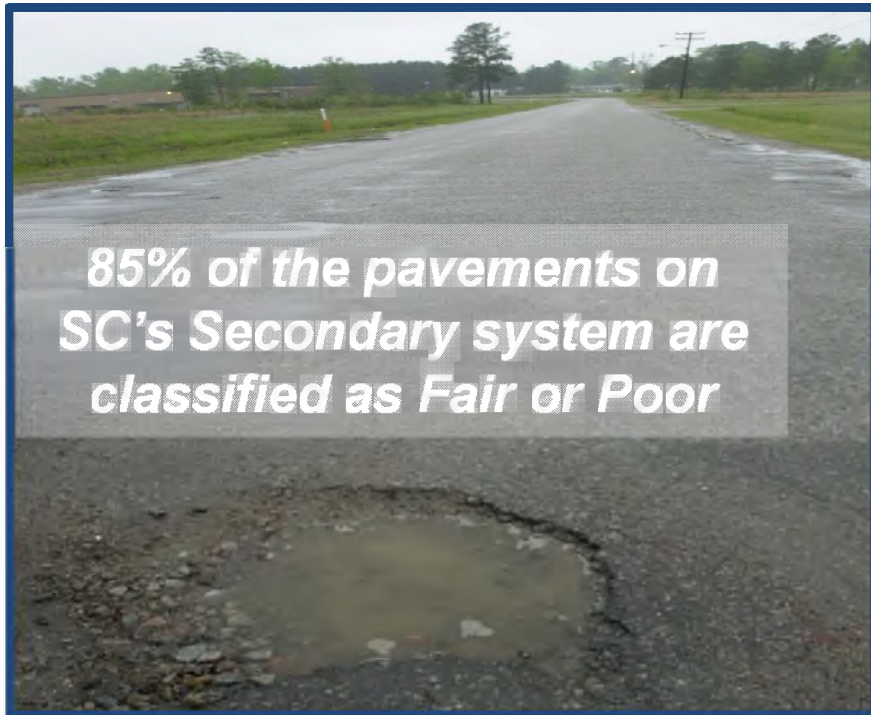


10 Year Forecast:
Significantly Erode

% Good to Decline to ≈10%



SC's Secondary System



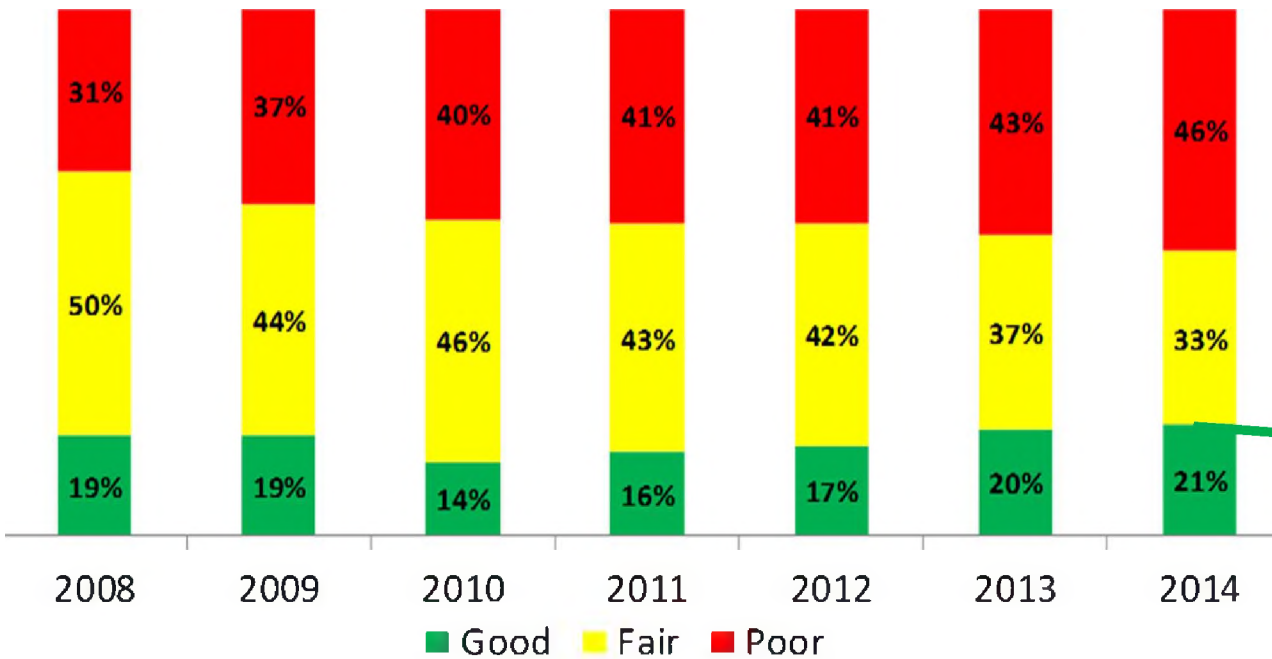
2014 Secondary System Pavement Conditions



SC's Secondary System

10,413 CL Miles
Carries 17% of
the State's Traffic

Pavement Conditions: Federal Aid Eligible Portion



10 Year Forecast:
Continue to Decline

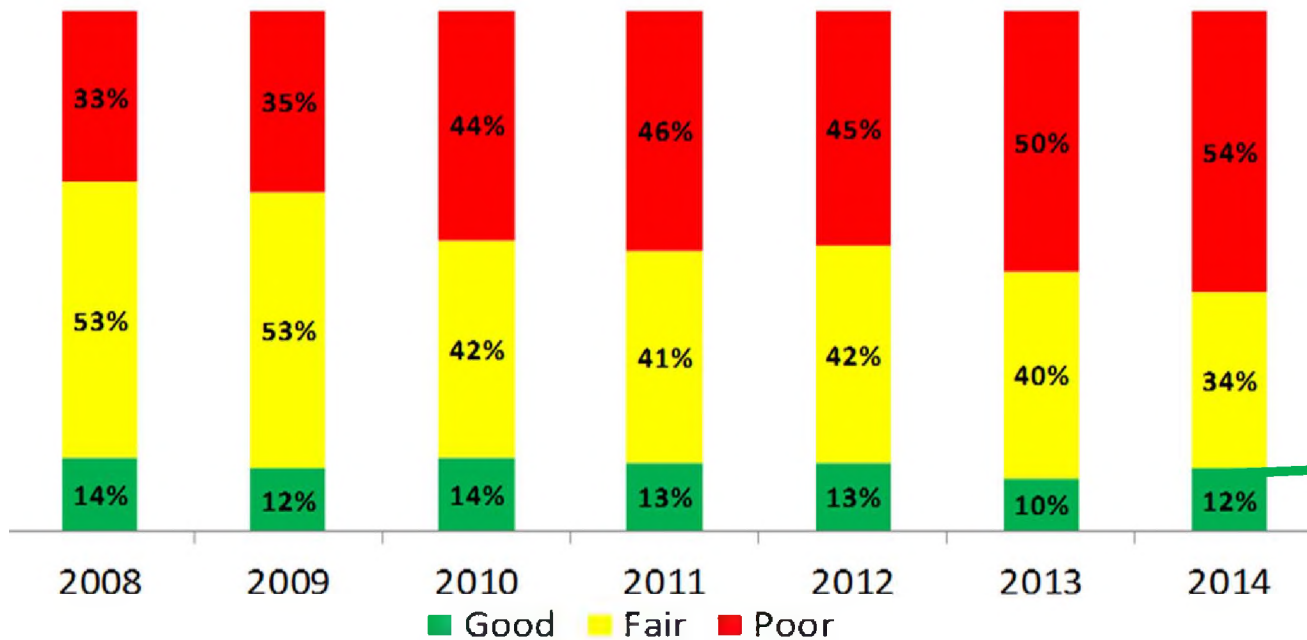
% Good to Decline to ≈15%



SC's Secondary System

20,657 CL Miles
Carries 7% of the
State's Traffic

Pavement Conditions: Non-Federal Aid Eligible Portion



10 Year Forecast:
ACT 98 will begin to slowly
improve % Good to $\approx 20\%$

*but % Poor will continue to
outpace repairs*



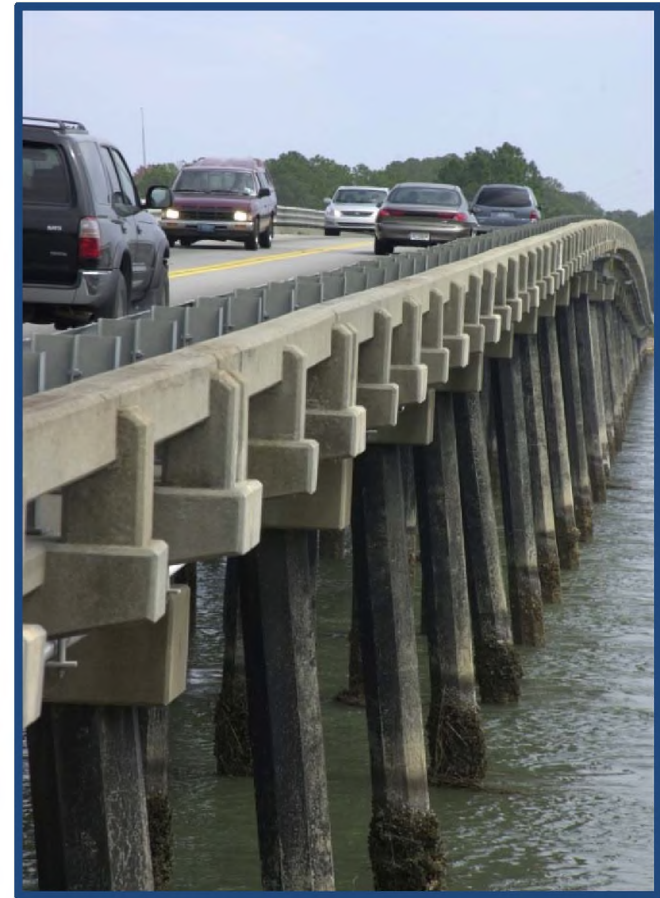
SC's Bridges

(State Owned Data as of January 1, 2016)

8,436 State Owned Bridges

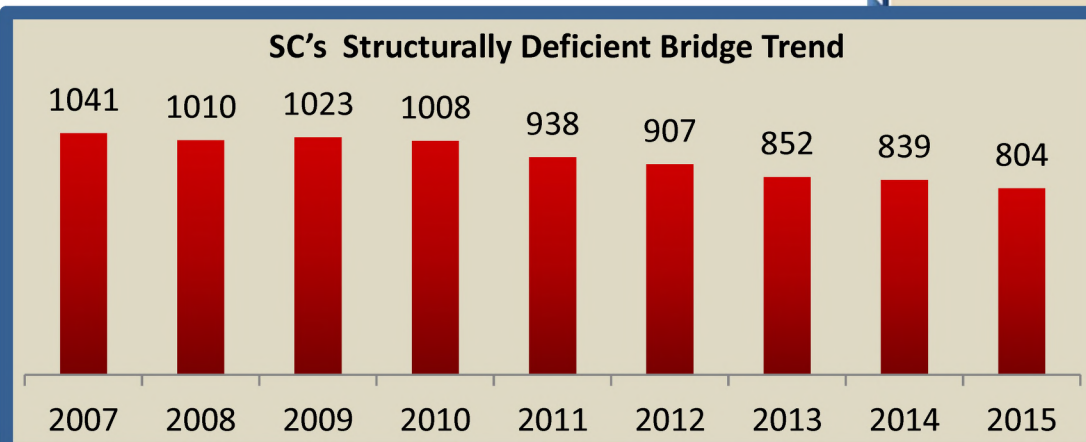
804 (9.5%) are Structurally Deficient
789 (9.4%) are Functionally Obsolete

363 (4.3%) are Load Restricted
6 (0.1%) are Closed

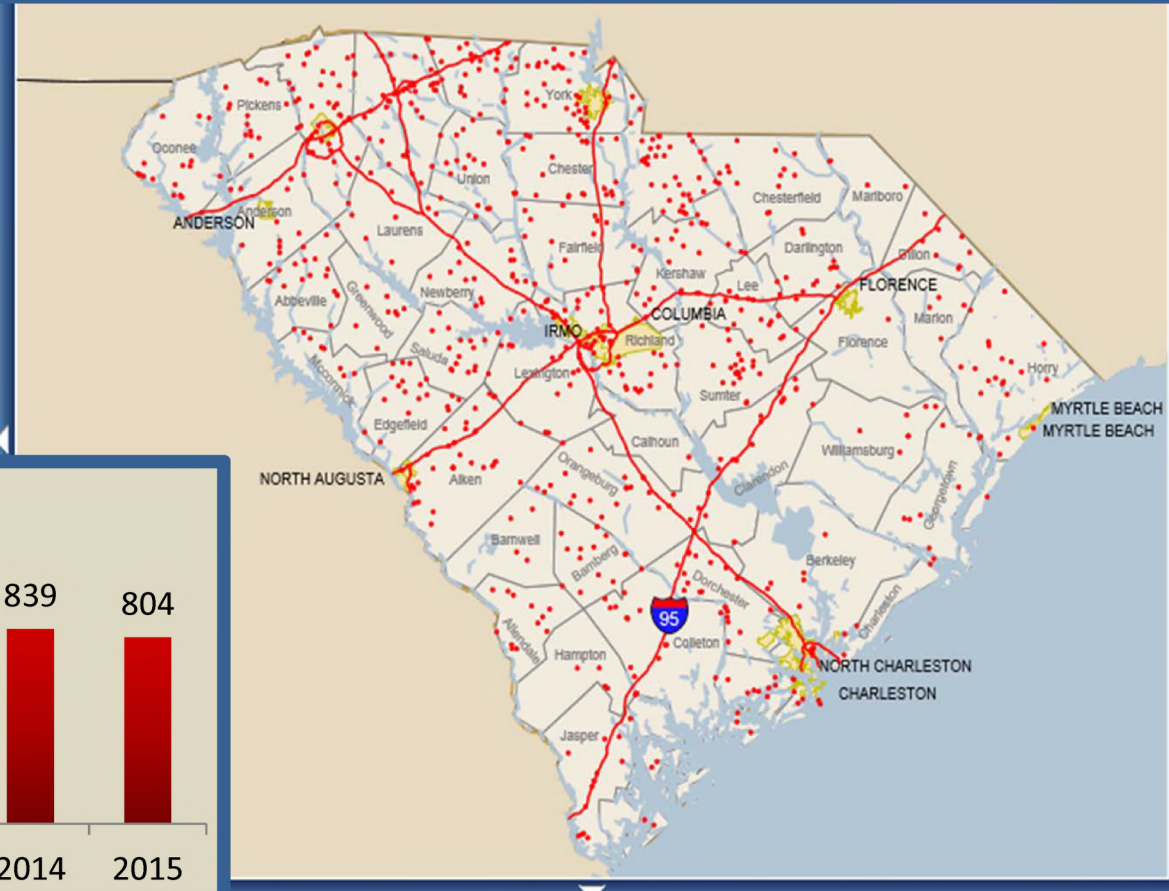


SC's Bridges

Structurally Deficient bridges need to be addressed, especially the bridges that our economy relies on.



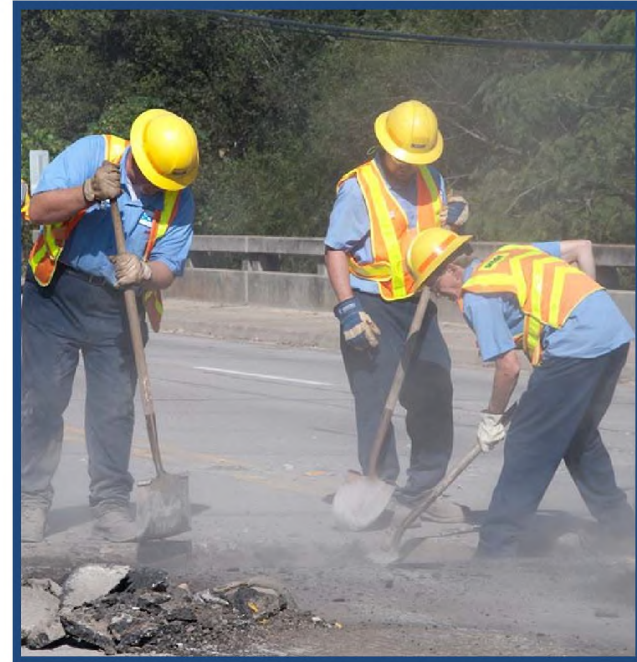
Structurally Deficient Bridges in SC



Routine Maintenance

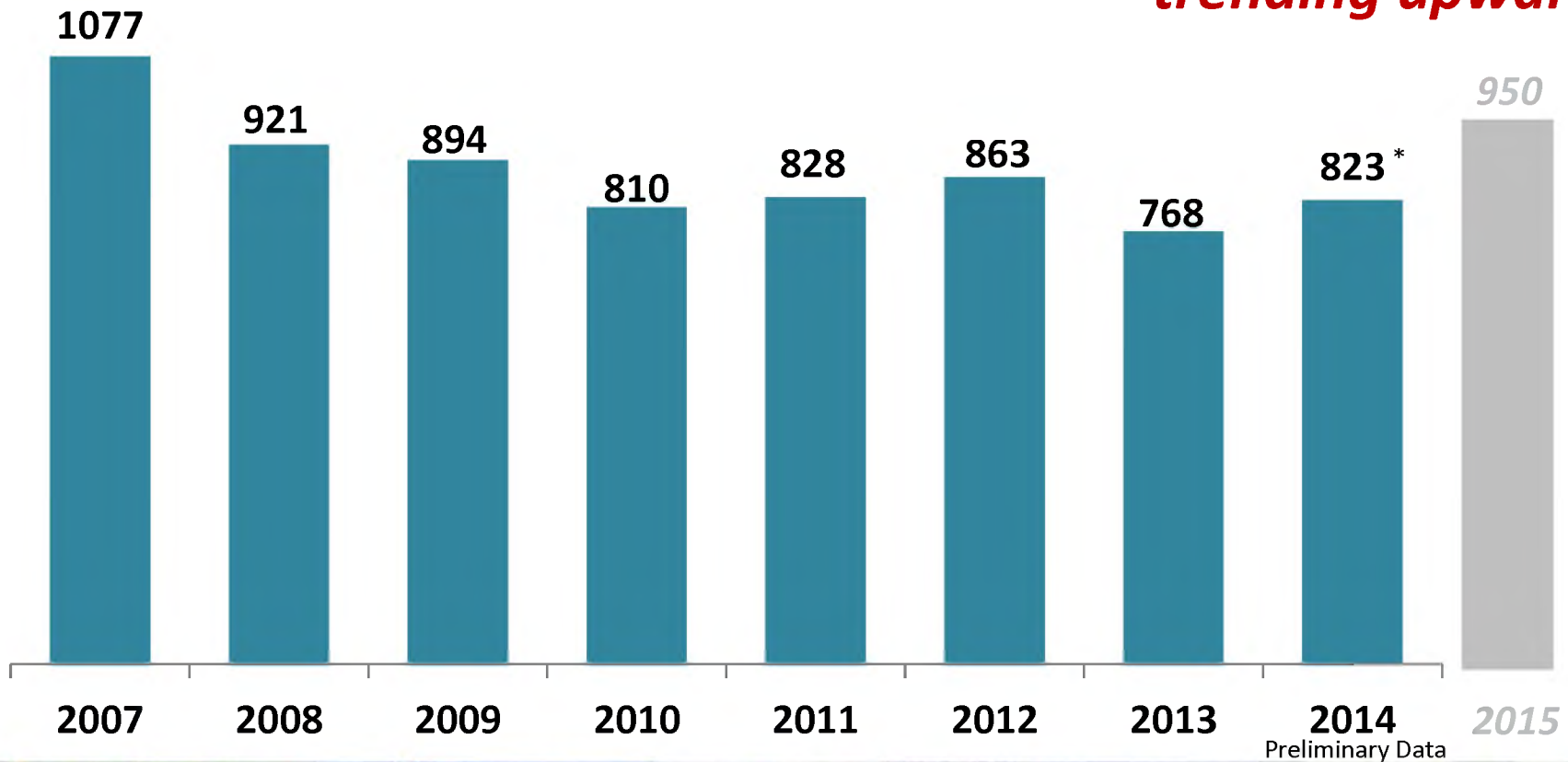
Our field Maintenance forces are struggling to maintain a poor highway system.

We estimate that we are delivering a Level of Service D on day-to-day maintenance of the state's transportation system.



Traffic Fatalities in SC

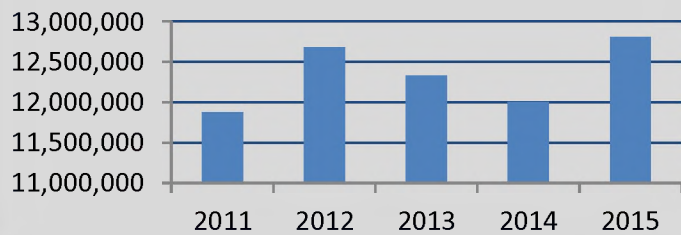
*Fatalities are
trending upwards*



16

Public Transit

Statewide Public Transit Ridership



***Record transit ridership in 2015
and a 5-year upward trend***

SFY 2015 Statewide Public Transit Operating & Capital Revenue \$86.5 million



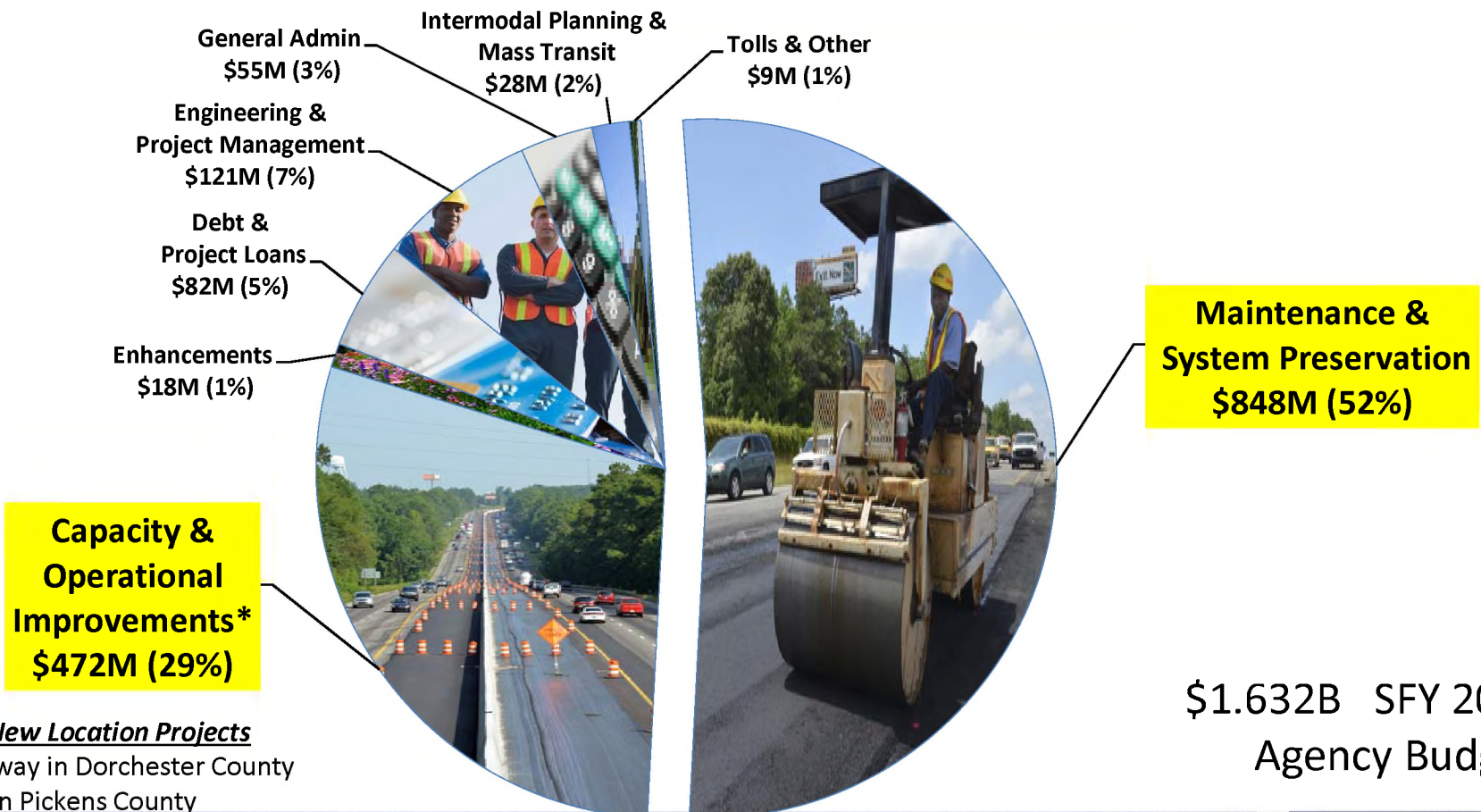
Statewide Public Transit Cost Per Passenger Trip



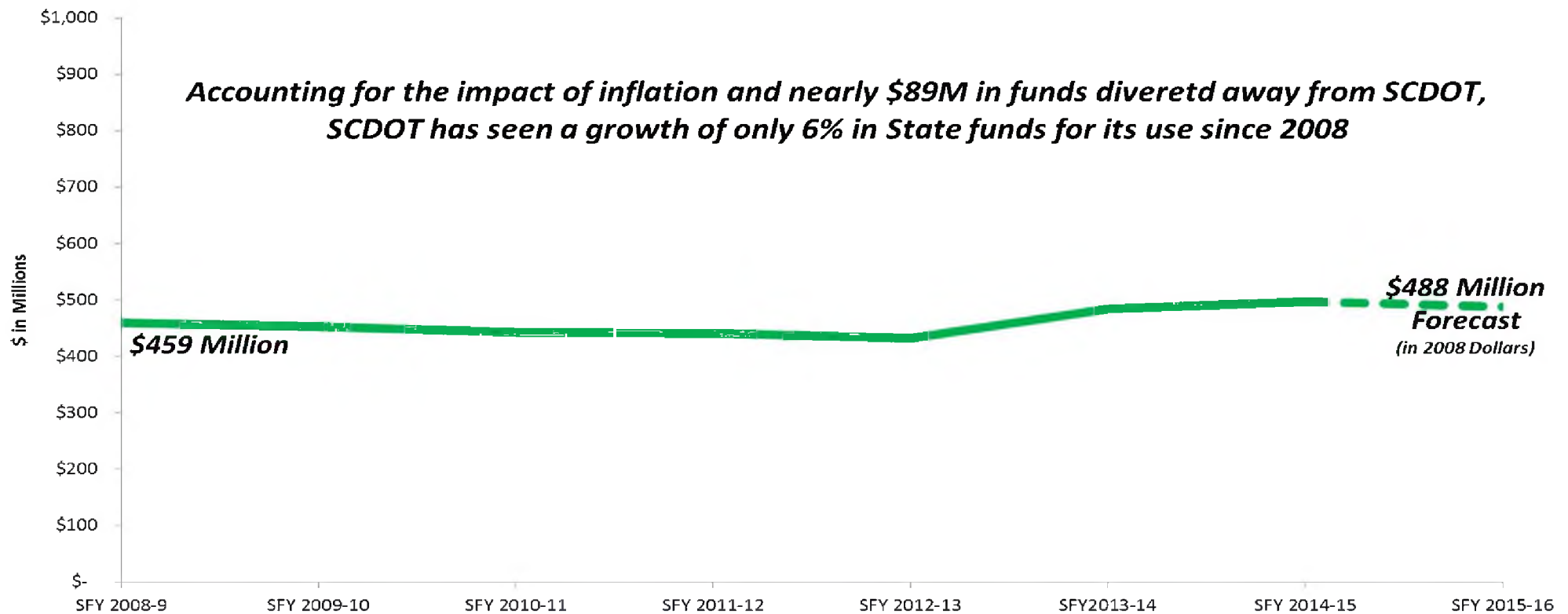
***5-year downward
trend in average
operating cost per
passenger trip***



Where is SCDOT spending existing \$?



Growth in State Funds Since 2008



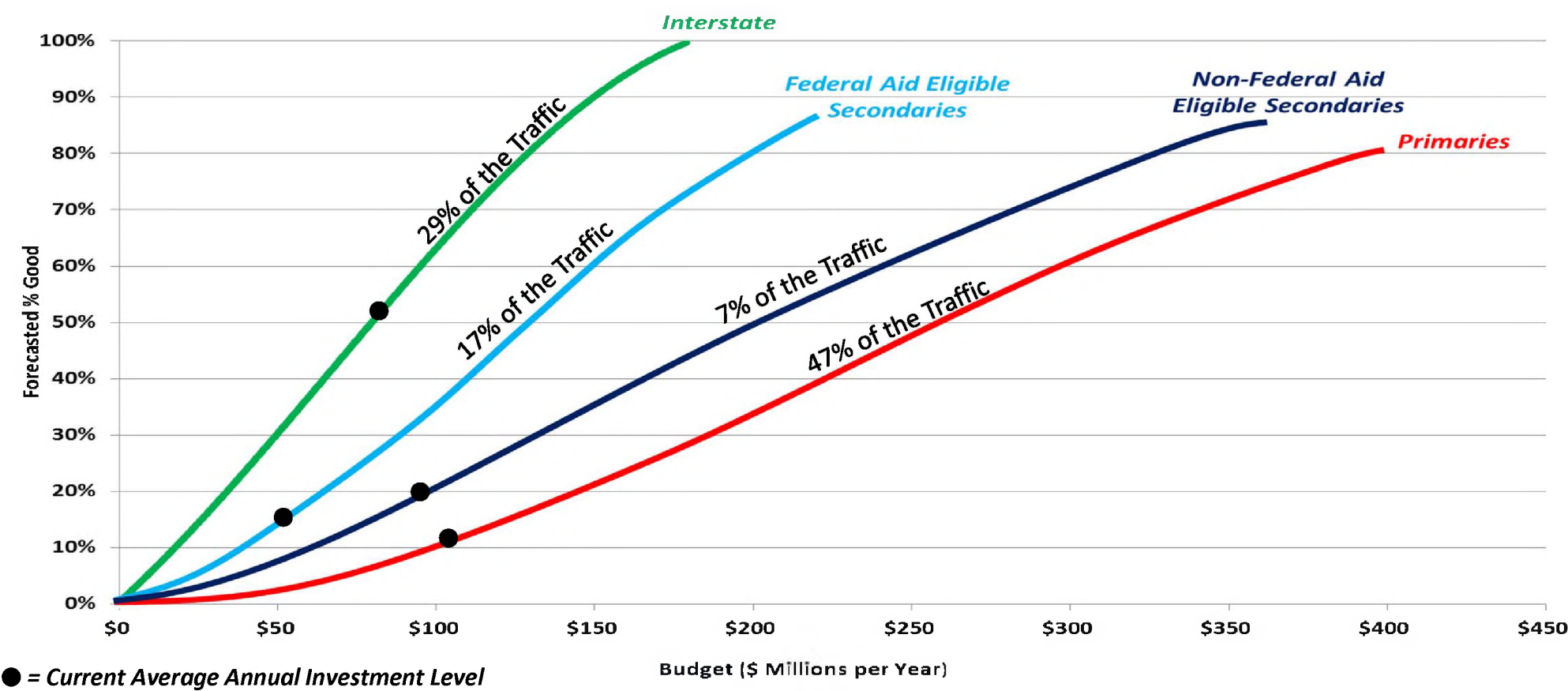
Multimodal Plan \$1.47B Annual Gap Components

29 Year Horizon, Average Annual Figures (in \$Millions)

	Existing System Components						
	Pavements	Bridges	Modernization and Routine Maintenance		Existing System Subtotal		
Interstates	\$65	\$71	\$99	\$124	\$287	\$88	
Primaries	\$262		\$157	\$29	\$447	\$100	
Federal Aid Eligible Secondaries	\$167		\$53	\$13	\$233		
NFA Eligible Secondaries	\$72		\$88		\$160		
Bridges					\$71		
TOTAL	\$565	\$71	\$397	\$165	\$1,198	\$187	\$95



Investment Driven Outcomes @ 10 Years



Greatest Areas of Need?

- **Pavements: Bring most heavily travelled roads up.**
- **Bridges: Structurally Deficient bridges.**
- **Day-to-Day Maintenance.**
- **Congestion pinch points on our existing Interstates.**



Damage due to Historic Flooding Event



\$137 Million Estimated TOTAL Event Cost

\$88 M Federal + \$49 M State



\$63M Federal Share



\$25M Federal Share



State Share

\$9M FHWA ER Match

\$12M FEMA Match

\$8M Non-FHWA/FEMA Damage

\$20M Latent Damage

\$49 M Estimated State Share



Vision: Strong & Effective DOT

- Efficient
- Reliable
- Restore Relationships
- Focus on Mission
- ACT 114 Compliant
- Accountable
- Earn Public Trust



Initial Focus Areas

- Stabilize the Workforce & Leadership Team
- Improve Project Delivery
- Simplify Messaging & Provide Visibility
- Procurement of Professional Services



Initial Focus Areas

- Stabilize the Workforce & Leadership Team
 - ✓ Appointment of Deputies & Key Leadership Positions
 - ✓ Elimination of Support Services Division
 - ✓ Elimination of a Chief Engineer position
 - ✓ Addressed turnover of field Maintenance employees
 - ✓ Restarted Leadership Training Program
- Improve Project Delivery
 - ✓ Reinforced decision-making at the local level
 - ✓ Realigned Engineering Division: Operations & Project Delivery
 - ✓ Required the development of management metrics



Initial Focus Areas

- Simplify Messaging & Provide Visibility
 - ✓ Published Ranking Lists on the web
 - ✓ Simplified & Reformatted the Budget
 - ✓ Posting Monthly Expenditures
 - ✓ Increased use of social media & email updates
 - ✓ Monthly Management Report

- Procurement of Professional Services
 - ✓ Implemented Code of Conduct
 - ✓ Post-employment restriction
 - Moving the selection of consultants from Engineering to Procurement



Looking Ahead

- What does New Federal Surface Transportation Program mean for SC?
- Provide information and serve as a resource to the policy makers in SC as funding and restructuring is debated.
- Continue improvement initiatives aimed to achieve the Vision.
- Make a Difference!





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January 2016