

# THE STATE OF SCDOT

South Carolina Department of Transportation

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

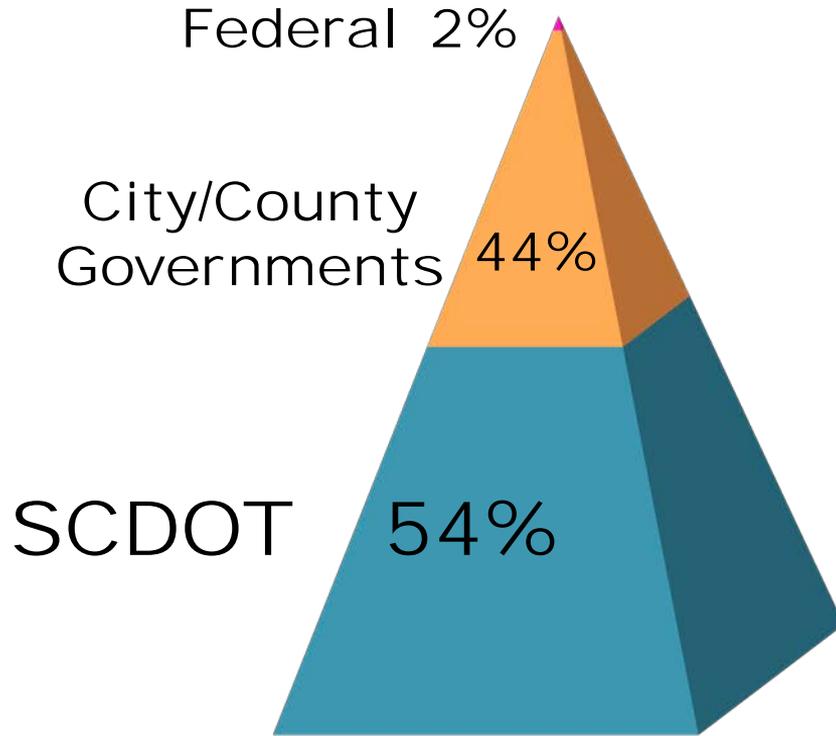
*January 2016*

# 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.

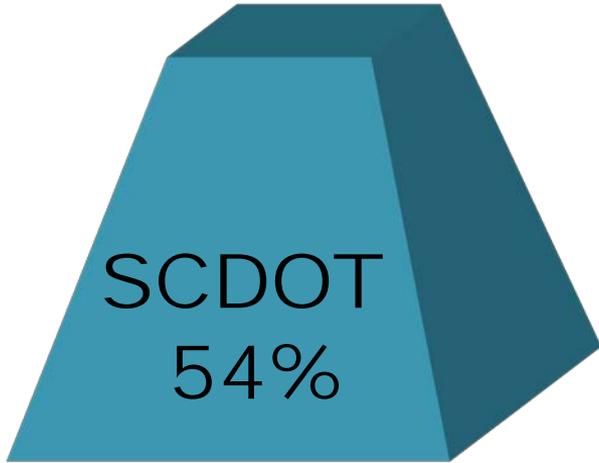


# SC Public Roads by Ownership



# The State System

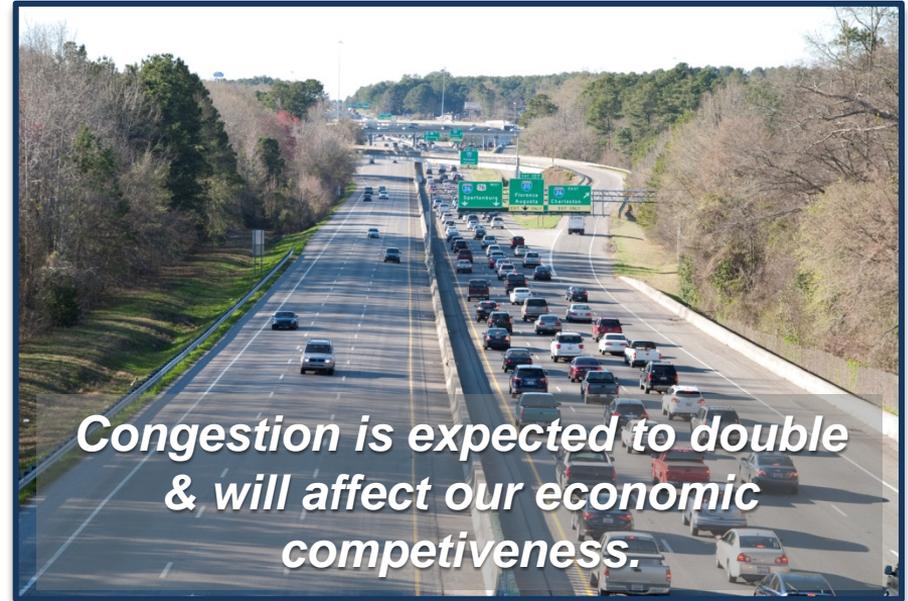
*Centerline Miles  
(as of Dec 31, 2014)*



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



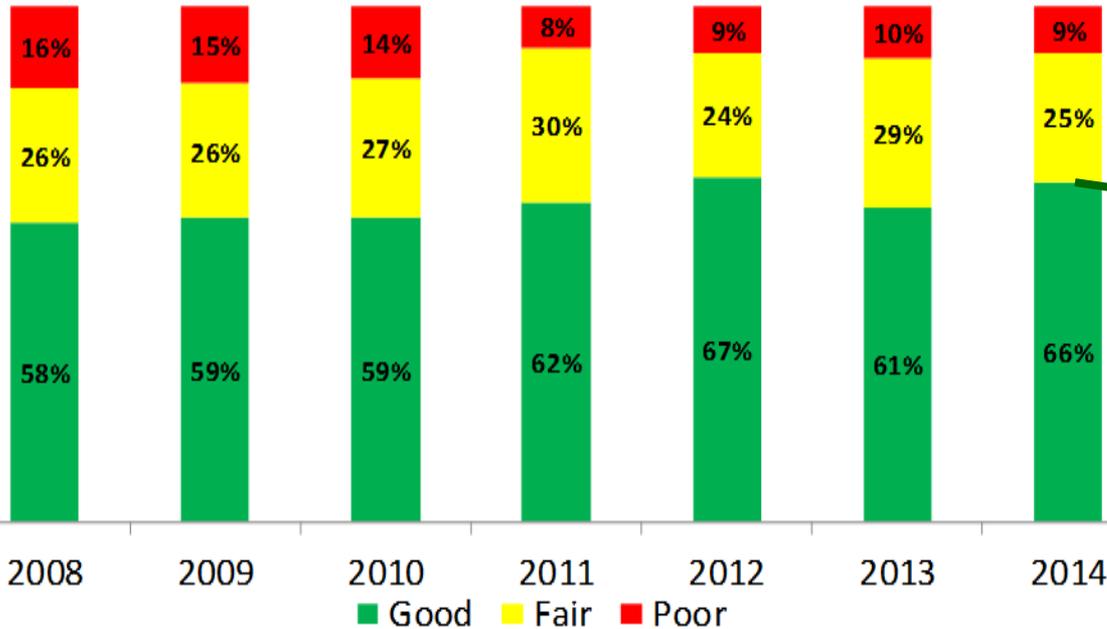
# SC's Interstate System



# SC's Interstate System

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

Pavement Conditions

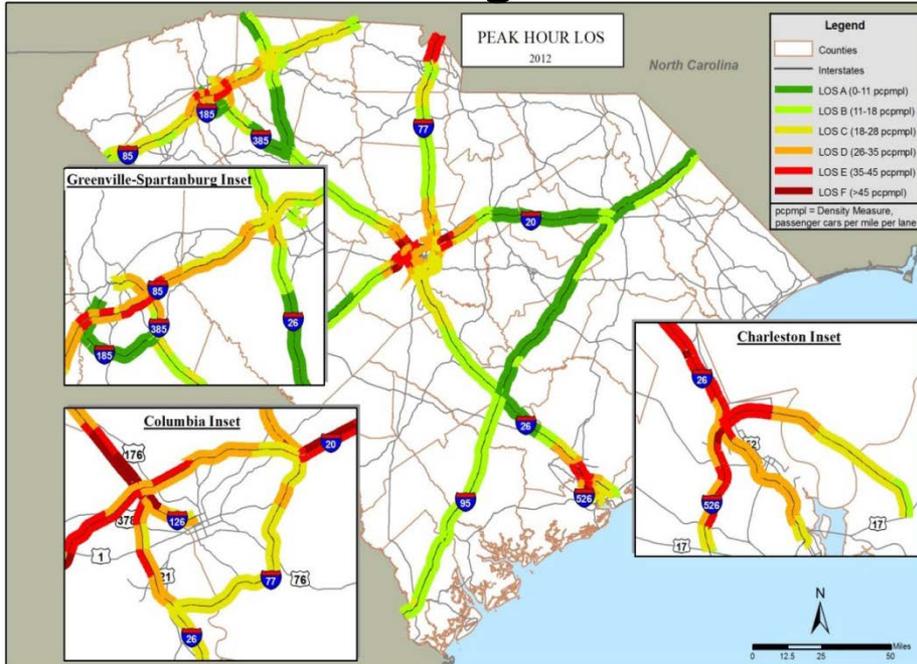


10 Year Forecast:  
*% Good to Decline to ≈50%*

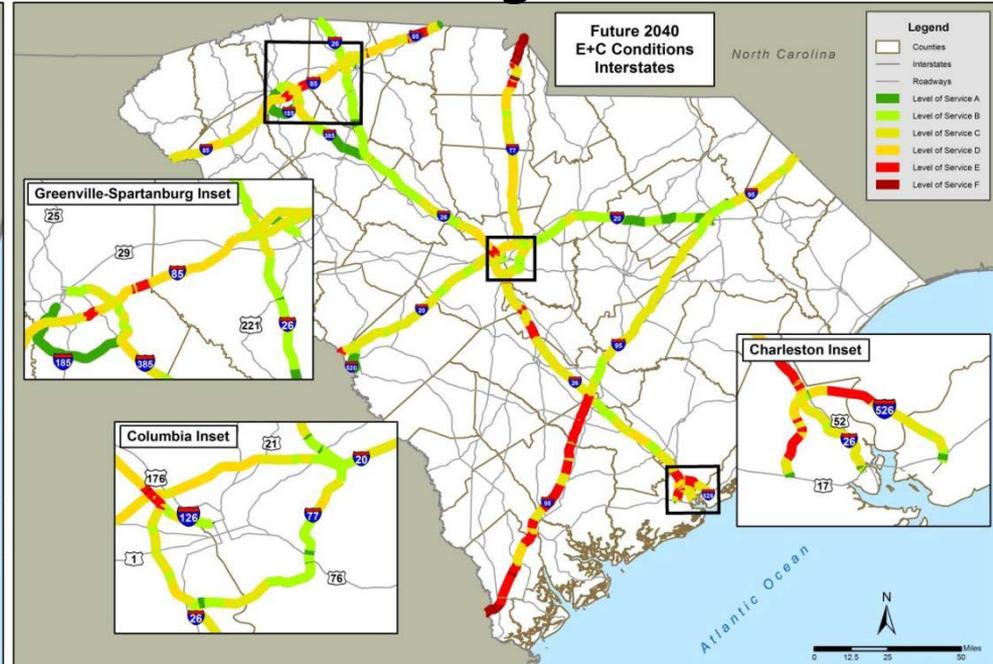


# SC's Interstate System

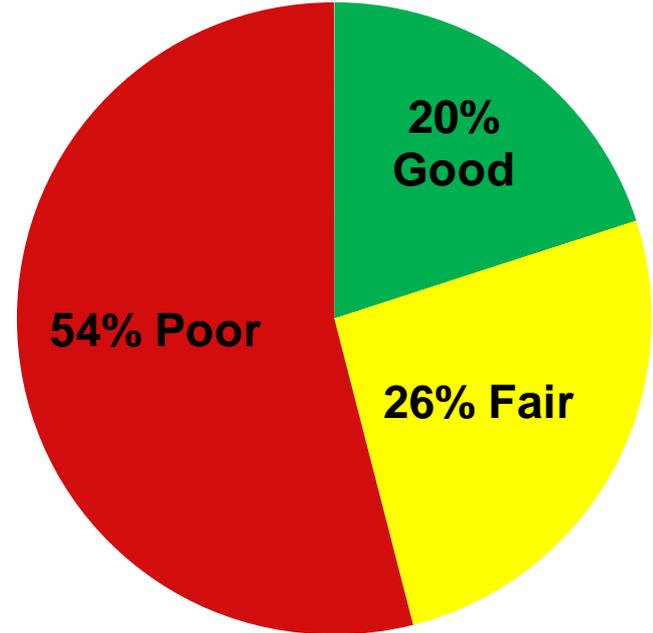
## 2012 Congestion



## Forecasted Congestion in 2040



# SC's Primary System



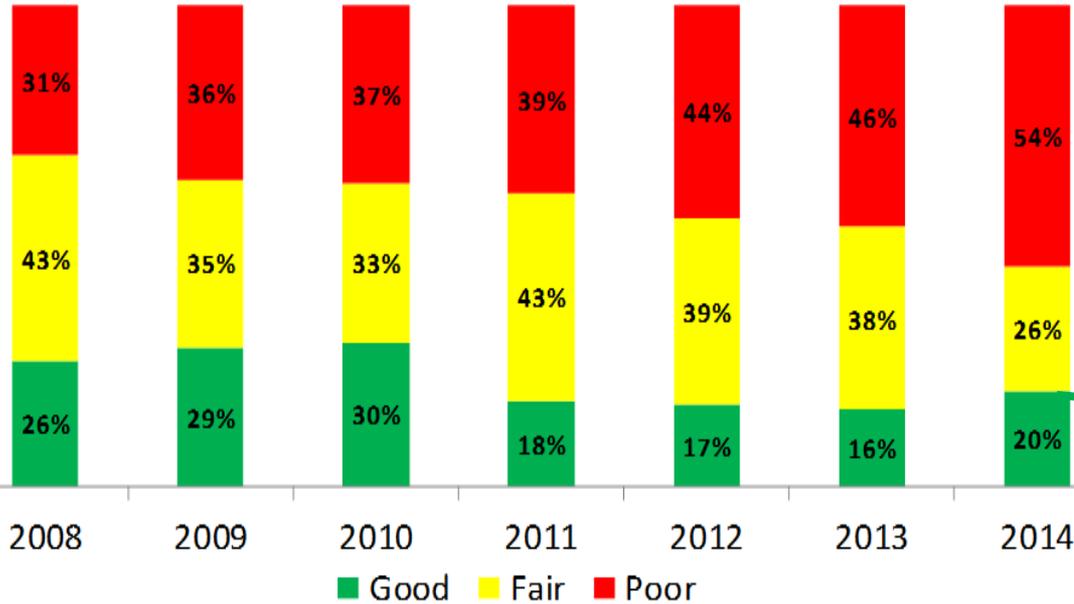
2014 Primary Pavement Conditions



# SC's Primary System

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

Pavement Conditions

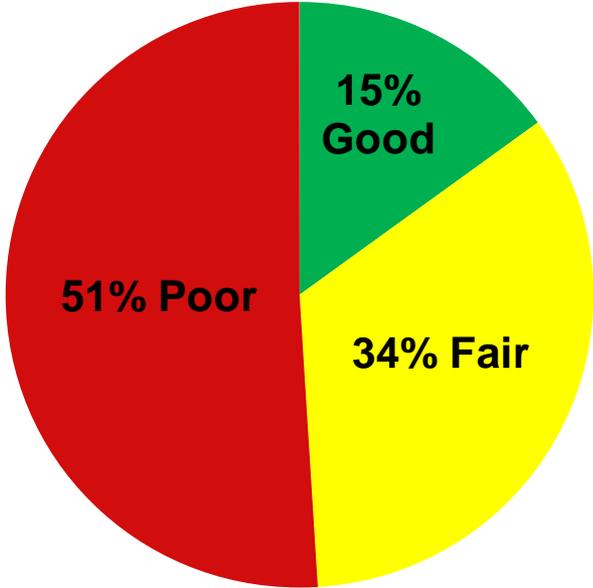
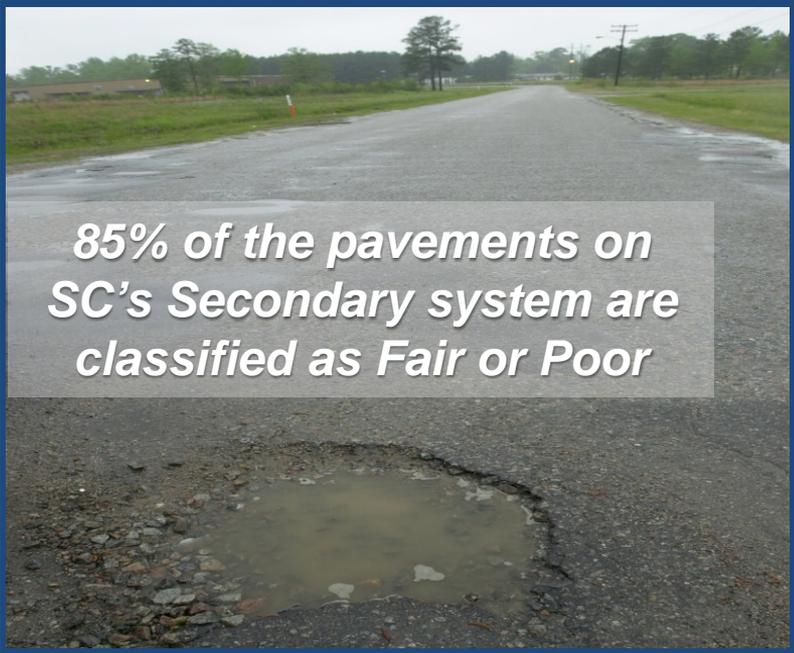


10 Year Forecast:  
*Significantly Erode*

*% Good to Decline to ~10%* →



# SC's Secondary System



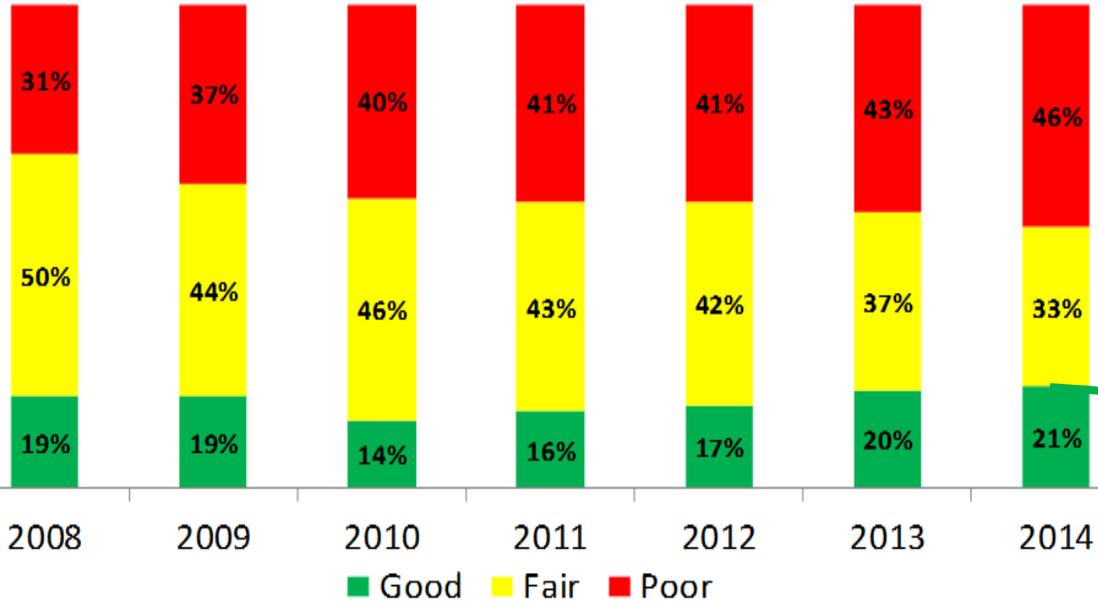
2014 Secondary System Pavement Conditions



# SC's Secondary System

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

Pavement Conditions: Federal Aid Eligible Portion



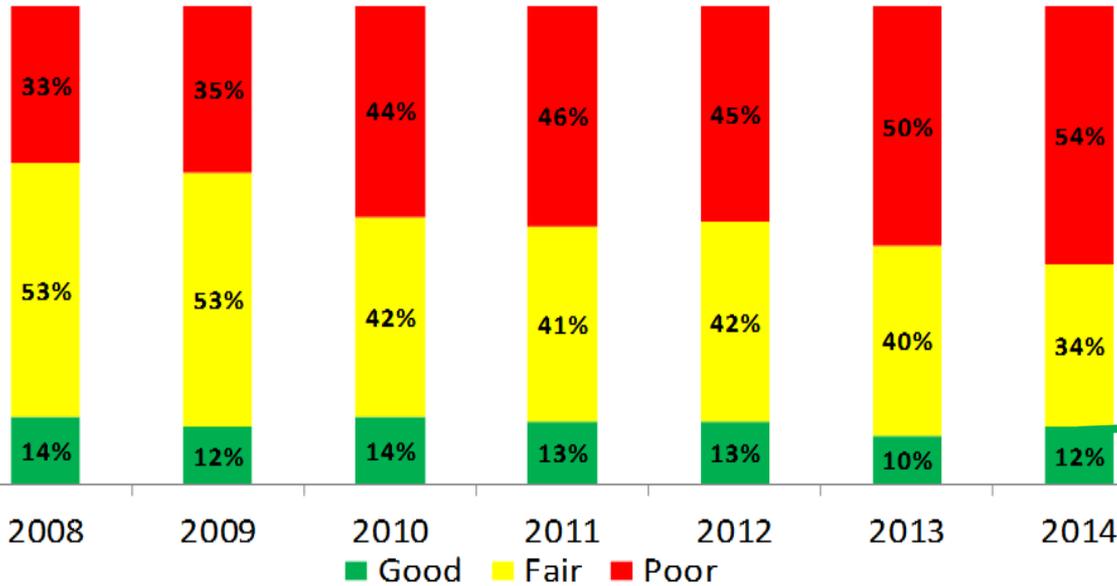
*10 Year Forecast:  
Continue to Decline*

*% Good to Decline to  $\approx$ 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 ≈20%

*but % Poor will continue to  
outpace repairs*



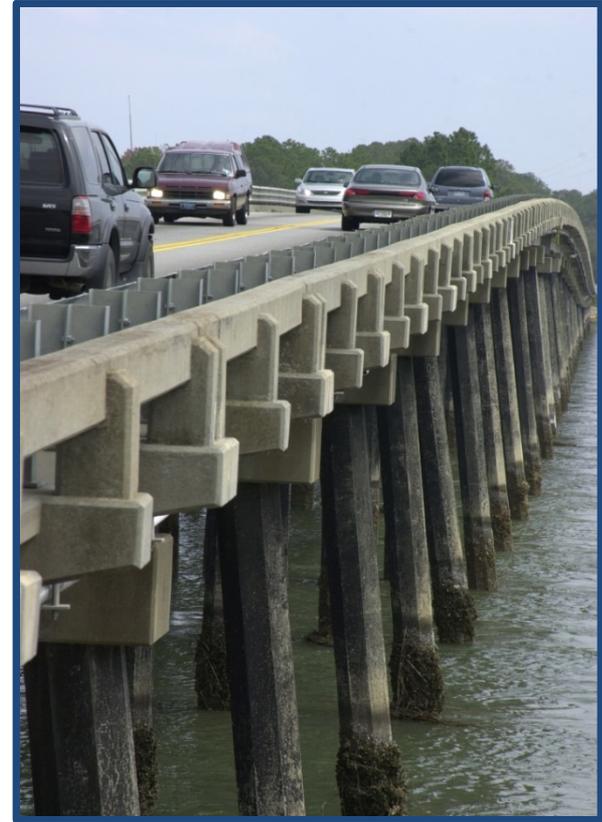
# SC's Bridges

(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

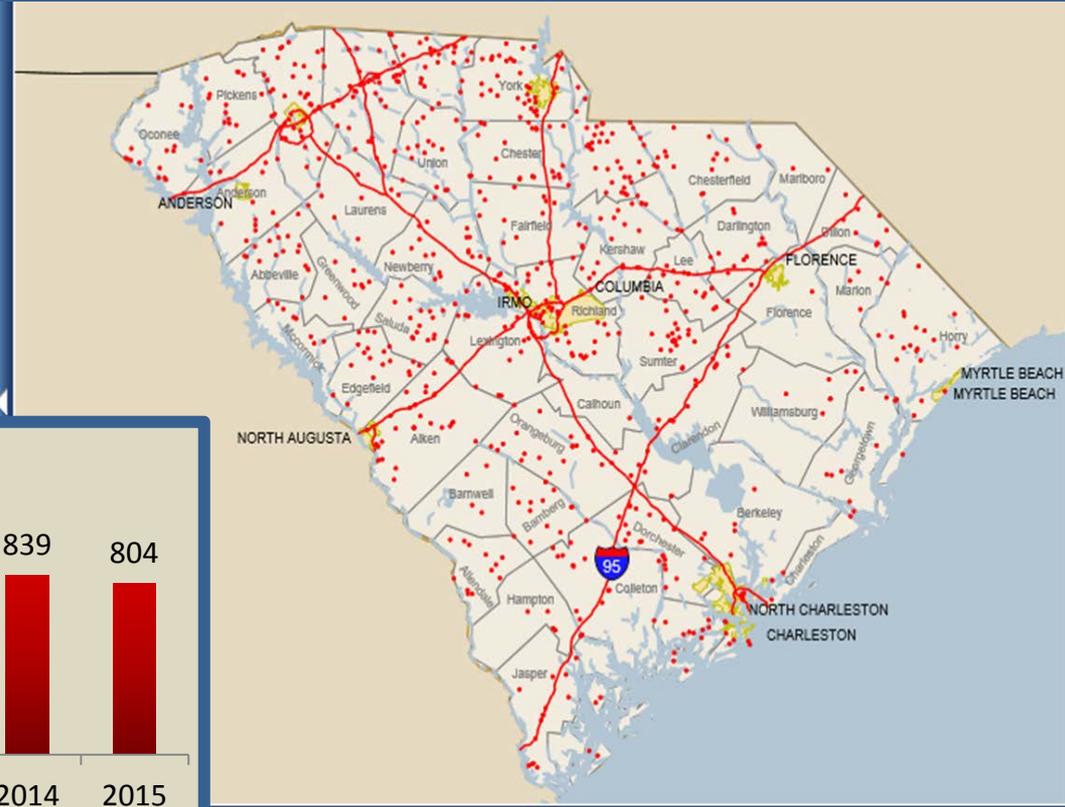
363 (4.3%) are Load Restricted  
6 (0.1%) are Closed



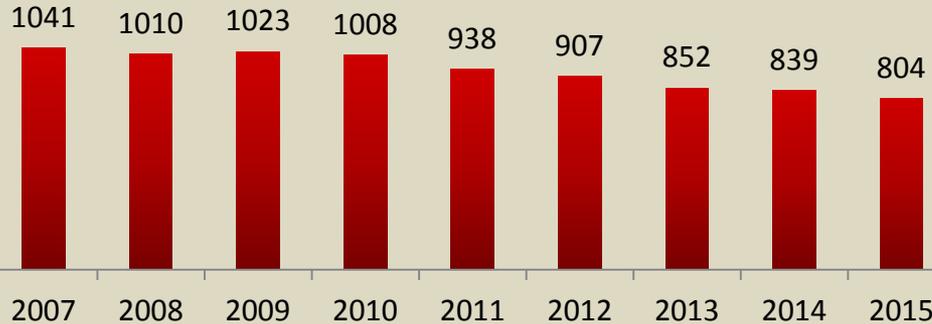
# SC's Bridges

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

## Structurally Deficient Bridges in SC



SC's Structurally Deficient Bridge Trend



# Routine Maintenance

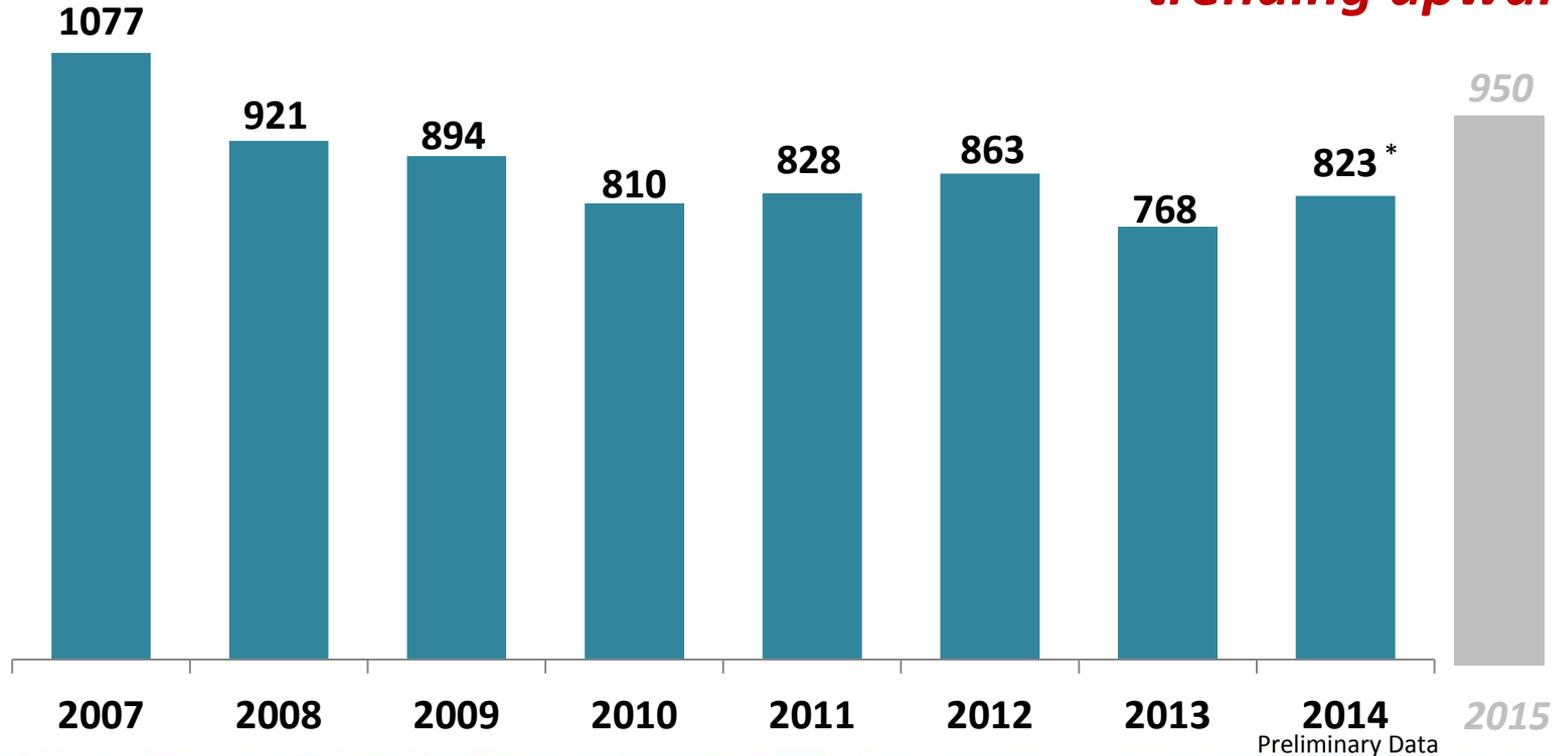
*Our field Maintenance forces are struggling to maintain a poor highway system.*

*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*



Preliminary Data

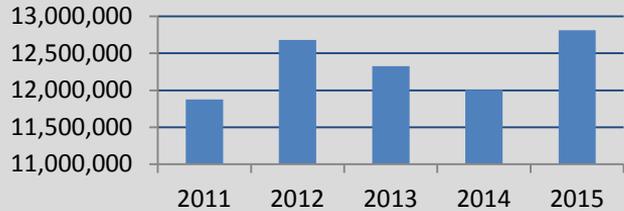
16



**SCDOT**

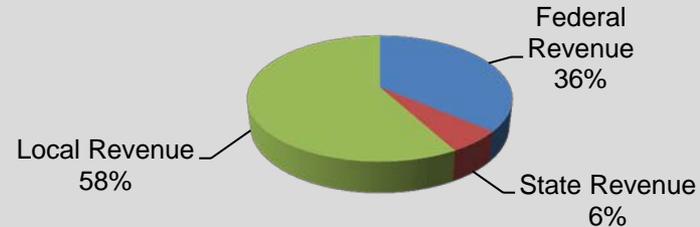
# Public Transit

## 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

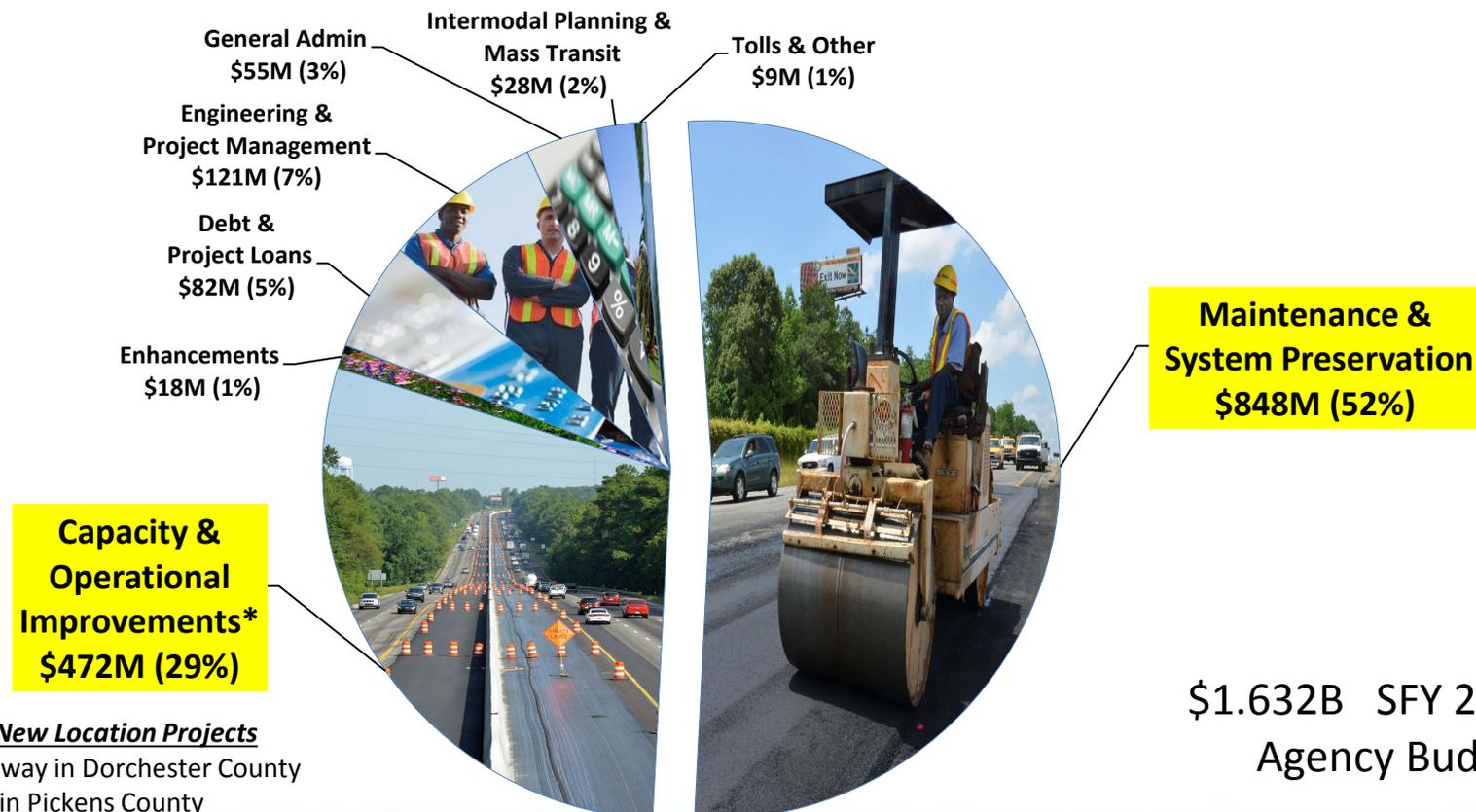


## Statewide Public Transit Cost Per Passenger Trip



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

# Where is SCDOT spending existing \$?

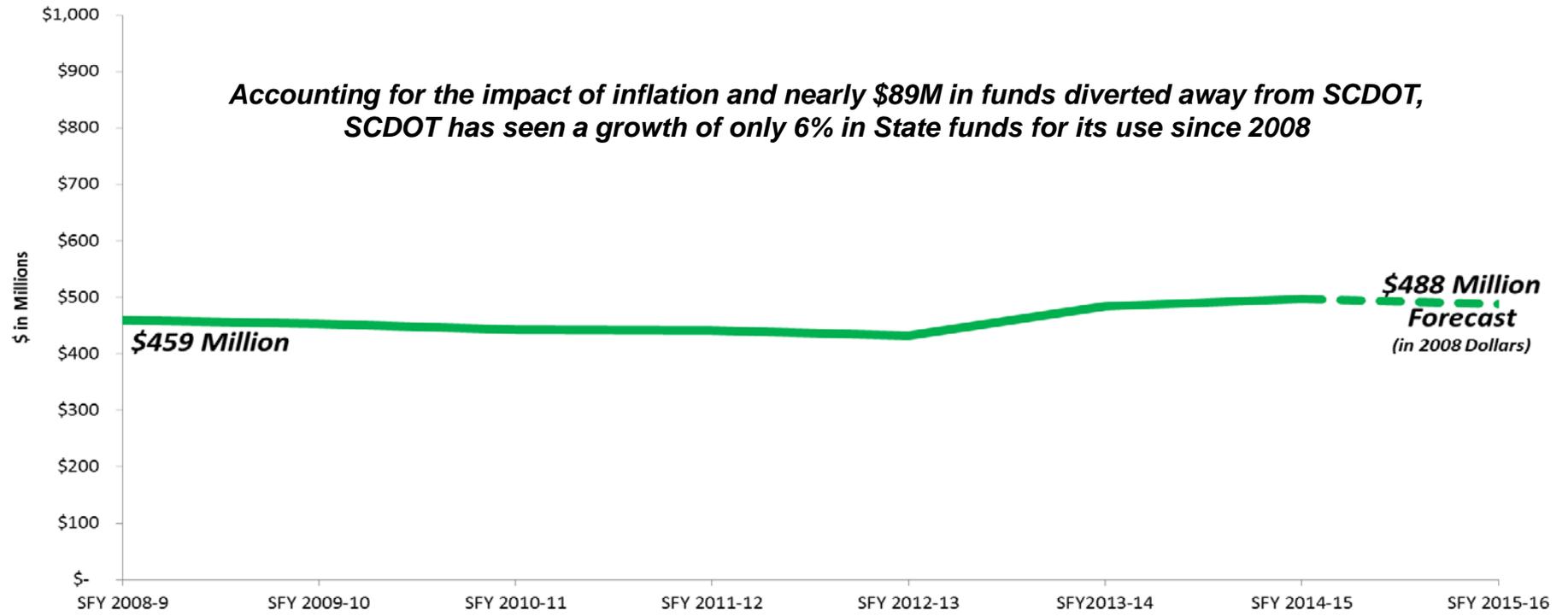


\$1.632B SFY 2015-16  
Agency Budget

*\*\$14M (<1%) in New Location Projects*  
Berlin Myers Parkway in Dorchester County  
SC 153 Extension in Pickens County



# Growth in State Funds Since 2008



# Multimodal Plan \$1.47B Annual Gap Components

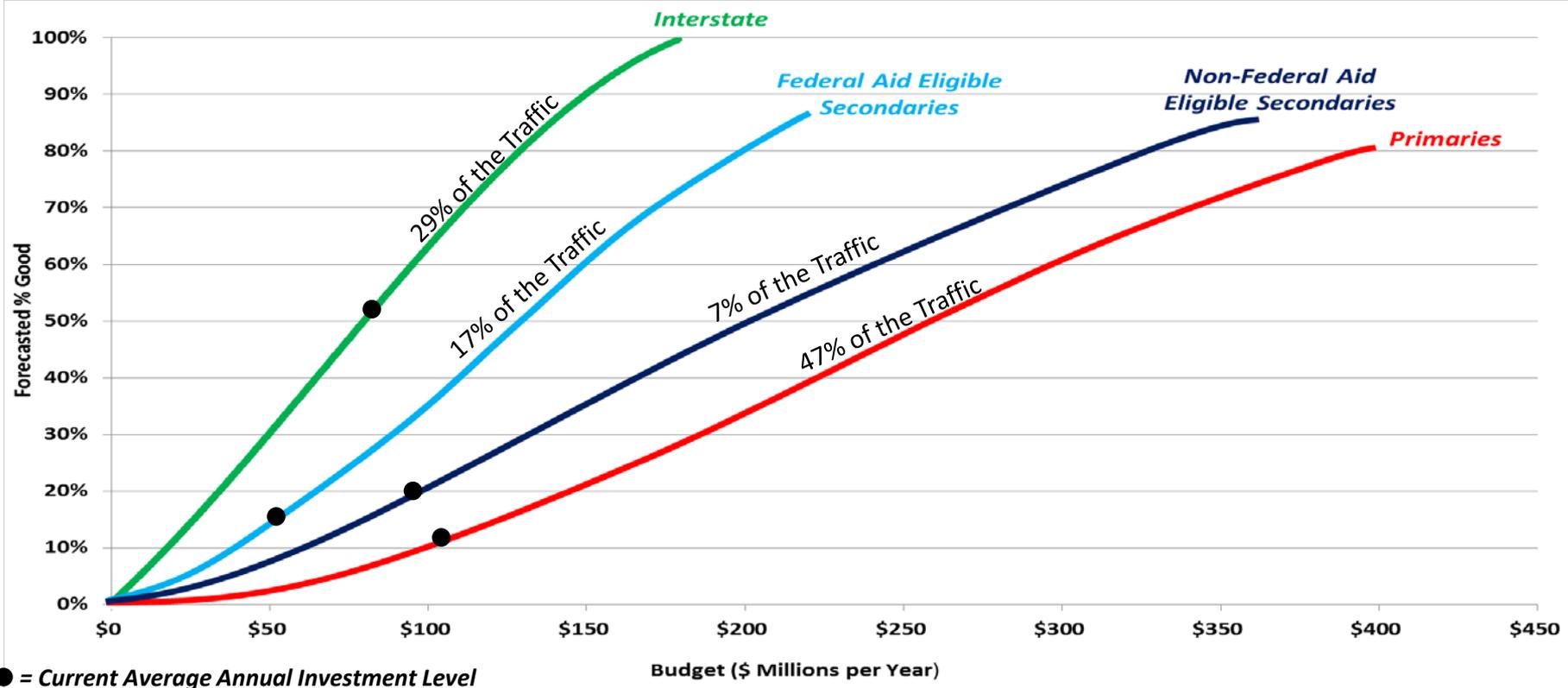
29 Year Horizon, Average Annual Figures (in \$Millions)

Updated Jan 26, 2016

	Existing System Components					New Roads	Transit
	Pavements	Bridges	Modernization and		Existing System		
			Routine Maintenance	Widenings	Subtotal		
Interstates	\$63	\$71	\$89	\$129	\$281	\$83	
Primaries	\$253		\$144	\$29	\$426	\$99	
Federal Aid Eligible			\$60	\$13	\$234		
Secondaries	\$161		\$104		\$192		
NFA Eligible Secondaries	\$88				\$71		
Bridges							
<b>TOTAL</b>	<b>\$565</b>	<b>\$71</b>	<b>\$397</b>	<b>\$171</b>	<b>\$1,204</b>	<b>\$182</b>	<b>\$95</b>



# Investment Driven Outcomes @ 10 Years

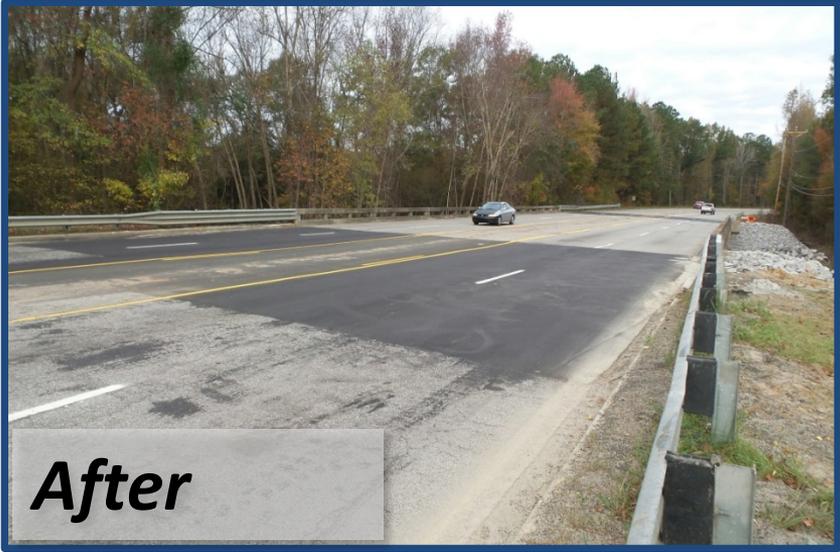


# Greatest Areas of Need?

- 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**

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**\$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*