

# **BRIDGES**

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# Countywide Bridge and Culvert Repair and Maintenance

**Requesting Department/Division:** Public Works/Roads and Bridges  
**Project Manager/Contact:** Mike Garrett/Johnny Ravan

**Estimated Start Date:** July 2007  
**Est. Completion Date:** On-Going

**Project Category:** New Construction/Rehabilitation/Remediation

**Project Status:** Active Project  
**Project Number:** BR0001

## Project Description, Justification and Location

This project provides for the replacement and repair of bridges and large culverts on County-owned roads. An increase in the funding provided by the Storm Water fund is recommended for FY 2010/11 and beyond as a large portion of the planned project are related to the management of storm water. Bridge and culvert replacements included in this project request are:

- Four Mile Branch
- River Forest Drive
- Cambridge Road
- Cudd Road



## Benefits to Residents, Visitors, Businesses, or County Employees

Replacing these bridges and culverts prevents unexpected road closures in the future as well as ensures safer roadways for motorists.

## Impact on Annual Operating Budget

Annual maintenance costs from FY 2011-15 will be minimal.

## Project Status (as of February 1, 2010)

Active project. In FY 2009/10, County staff has replaced a large culvert with a bridge on Notchwood Drive. Staff is currently constructing a bridge on Grogan Road, pictured above.

### Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2014/15	FY 2011-15 Totals
<b>BRIDGES</b>								
<b>Countywide Bridge &amp; Culvert Repair &amp; Maintenance</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	0	0	0	0	0	0	0	0
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	3,160,000	1,160,000	400,000	400,000	400,000	400,000	400,000	2,000,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>3,160,000</b>	<b>1,160,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>2,000,000</b>
<u>Revenues</u>								
Road Maintenance Fee	1,315,000	440,000	175,000	175,000	175,000	175,000	175,000	875,000
Stormwater Fund	1,325,000	200,000	225,000	225,000	225,000	225,000	225,000	1,125,000
General Fund	520,000	520,000	0	0	0	0	0	0
<b>Total Revenues</b>	<b>3,160,000</b>	<b>1,160,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>2,000,000</b>

# Runion Road Bridge Replacement

**Requesting Department/Division:** Public Works/Roads and Bridges  
**Project Manager/Contact:** Mike Garrett/Ron Kirby

**Estimated Start Date:** December 2009  
**Est. Completion Date:** June 2011

**Project Category:** New Construction/Rehabilitation/Remediation

**Project Status:** Active Project  
**Project Number:** BR0006

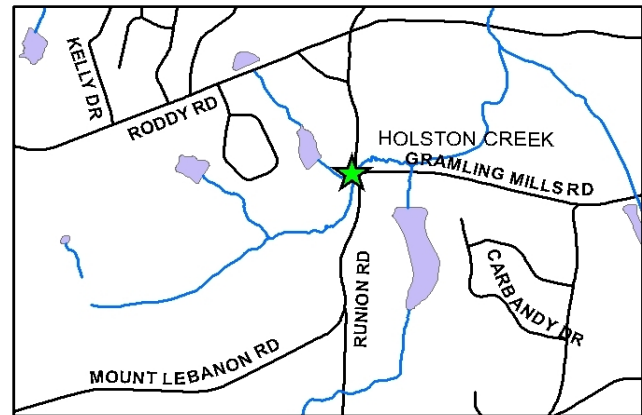
## Project Description, Justification and Location

This project will replace the Runion Road Bridge where it crosses Holston Creek, approximately 3.8 miles northwest of the Town of Inman. The current bridge is approximately thirty-one (31) years old and is not properly aligned with the roadway. It also has a load restriction, limiting the vehicles that can utilize it. The current bridge will be replaced with a sixty foot (60') span that will be aligned with the road, allowing additional vehicles to pass. Design, engineering and land acquisition are scheduled for FY 2009/10, with construction scheduled in FY 2010/11.



## Benefits to Residents, Visitors, Businesses, or County Employees

Replacing this bridge will ensure motorist safety, as well as increase the capacity to handle larger vehicles and traffic flow from the new school.



## Impact on Annual Operating Budget

Annual maintenance costs from FY 2011-15 will be minimal.

## Project Status (as of February 1, 2010)

Active project. Preliminary engineering and design work is in progress.

### Project Expenditures and Funding Sources

PROJECT	TOTAL	COMMITTED	FY	FY	FY	FY	FY	FY	FY 2011-15
	PROJECT COST	FUNDING	2010/11	2011/12	2012/13	2013/14	2014/15	Totals	
<b>Runion Road Bridge Replacement</b>									
Planning/Design/Engineering	50,000	50,000	0	0	0	0	0	0	0
Land Acquisition/Right-of-Way	25,000	25,000	0	0	0	0	0	0	0
Construction/Improvements	450,000	0	450,000	0	0	0	0	0	450,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0	0
Other	35,000	35,000	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>560,000</b>	<b>110,000</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450,000</b>
<b>Revenues</b>									
Road Maintenance Fee	160,000	110,000	50,000	0	0	0	0	0	50,000
Storm Water Fund Transfer	200,000	0	200,000	0	0	0	0	0	200,000
State C Funds	200,000	0	200,000	0	0	0	0	0	200,000
<b>Total Revenues</b>	<b>560,000</b>	<b>110,000</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450,000</b>

# Clark Road Bridge Replacement

**Requesting Department/Division:** Public Works/Roads and Bridges  
**Project Manager/Contact:** Mike Garrett/Ron Kirby

**Estimated Start Date:** July 2011  
**Est. Completion Date:** June 2013

**Project Category:** New Construction/Rehabilitation/Remediation    **Project Status:** Planned/Programmed Project  
**Project Number:** TBD

## Project Description, Justification and Location

This project will replace the Clark Road Bridge where it crosses Meadow Creek, approximately three (3) miles east of the Town of Inman. This bridge is on a heavily traveled road from Inman to Boiling Springs. It will be replaced with a ninety foot (90') span. The wood pile foundations will be replaced with steel piles, and the western approach will be reconfigured to align with the roadway.



## Benefits to Residents, Visitors, Businesses, or County Employees

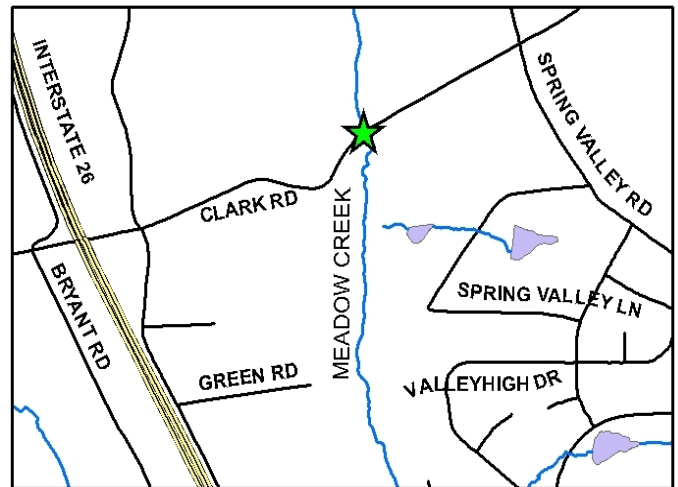
Replacing this bridge will ensure motorist safety, as well as increase the capacity to handle larger vehicles.

## Impact on Annual Operating Budget

Annual maintenance costs from FY 2011-15 will be minimal.

## Project Status (as of February 1, 2010)

Planned/Programmed project with funding scheduled for FY 2011/12.



## Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2014/15	FY 2011-15 Totals
<b>Clark Road Bridge Replacement</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	125,000	0	0	125,000	0	0	0	125,000
Land Acquisition/Right-of-Way	10,000	0	0	10,000	0	0	0	10,000
Construction/Improvements	850,000	0	0	0	850,000	0	0	850,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	10,000	0	0	0	10,000	0	0	10,000
<b>Total Expenditures</b>	<b>995,000</b>	<b>0</b>	<b>0</b>	<b>135,000</b>	<b>860,000</b>	<b>0</b>	<b>0</b>	<b>995,000</b>
<u>Revenues</u>								
Road Maintenance Fee	645,000	0	0	85,000	560,000	0	0	645,000
Storm Water Fund Transfer	350,000	0	0	50,000	300,000	0	0	350,000
<b>Total Revenues</b>	<b>995,000</b>	<b>0</b>	<b>0</b>	<b>135,000</b>	<b>860,000</b>	<b>0</b>	<b>0</b>	<b>995,000</b>

# Hampton Road Bridge Replacement

**Requesting Department/Division:** Public Works/Roads and Bridges  
**Project Manager/Contact:** Mike Garrett

**Estimated Start Date:** July 2011  
**Est. Completion Date:** June 2013

**Project Category:** New Construction/Rehabilitation/Remediation    **Project Status:** Planned/Programmed Project  
**Project Number:** TBD

## Project Description, Justification and Location

This project will replace the Hampton Road Bridge where it crosses the North Tyger River, approximately 4.5 miles southwest of the Town of Inman. The bridge is subject to flooding. The river runs at an angle with the piles catching debris, creating a constant maintenance problem. The road is heavily traveled, and if not replaced, will eventually have to be closed to heavier traffic. It will be replaced with a ninety foot (90') span that will address the flooding and debris problems. A section of the road will be raised to match the new bridge, requiring additional fill material. Design, engineering and land acquisition are scheduled for FY 2011/12, with construction scheduled in FY 2012/13.



## Benefits to Residents, Visitors, Businesses, or County Employees

Replacement of the bridge will improve motorist safety, as well as avoid putting additional load restrictions on the bridge in the future.

## Impact on Annual Operating Budget

Annual maintenance costs from FY 2010-14 will be minimal.

## Project Status (as of February 1, 2010)

Planned/Programmed project with funding scheduled to begin in FY 2011/12.

### Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2014/15	FY 2011-15 Totals
<b>Hampton Road Bridge Replacement</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	130,000	0	0	130,000	0	0	0	130,000
Land Acquisition/Right-of-Way	25,000	0	0	25,000	0	0	0	25,000
Construction/Improvements	900,000	0	0	0	900,000	0	0	900,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>1,055,000</b>	<b>0</b>	<b>0</b>	<b>155,000</b>	<b>900,000</b>	<b>0</b>	<b>0</b>	<b>1,055,000</b>
<u>Revenues</u>								
Road Maintenance Fee	730,000	0	0	105,000	625,000	0	0	730,000
Storm Water Fund Transfer	325,000	0	0	50,000	275,000	0	0	325,000
<b>Total Revenues</b>	<b>1,055,000</b>	<b>0</b>	<b>0</b>	<b>155,000</b>	<b>900,000</b>	<b>0</b>	<b>0</b>	<b>1,055,000</b>

# Kist Road Bridge Replacement

**Requesting Department/Division:** Public Works/Roads and Bridges  
**Project Manager/Contact:** Mike Garrett

**Estimated Start Date:** July 2013  
**Est. Completion Date:** December 2015

**Departmental Priority:** Necessary  
**Project Category:** New Construction/Rehabilitation/Remediation

**Project Status:** Planned/Programmed  
**Project Number:** TBD

## Project Description, Justification and Location

This project will replace the Kist Road Bridge where it crosses Abners Creek, approximately seven (7) miles southeast of the City of Greer. The bridge sits in a slight curve, and the deck is showing signs of wear due to large truck traffic. In addition, a new school is scheduled to be built in this area, increasing traffic flow across the bridge. It will be replaced with a ninety foot (90') span that will be able to accommodate larger vehicle traffic.



## Benefits to Residents, Visitors, Businesses, or County Employees

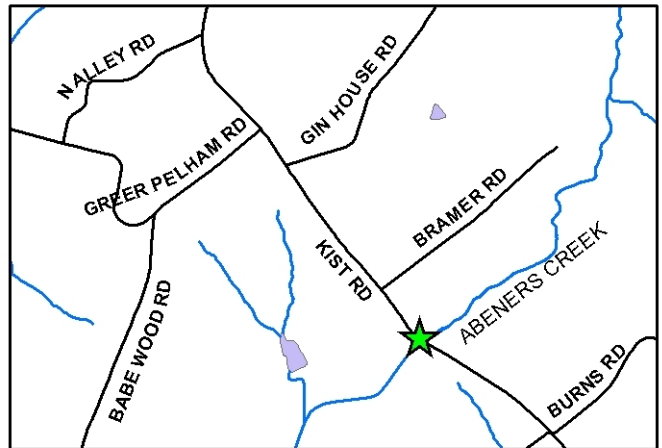
Replacing this bridge will ensure motorist safety, as well as increase the capacity to handle larger vehicles and traffic flow from the new school.

## Impact on Annual Operating Budget

Annual maintenance costs from FY 2011-15 will be minimal.

## Project Status (as of February 1, 2010)

Planned/Programmed project, with funding scheduled to begin in FY 2013/14 (planning and engineering) and continuing in FY 2014/15 (construction).



## Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2014/15	FY 2011-15 Totals
<b>Kist Road Bridge Replacement</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	135,000	0	0	0	0	135,000	0	135,000
Land Acquisition/Right-of-Way	50,000	0	0	0	0	50,000	0	50,000
Construction/Improvements	925,000	0	0	0	0	0	925,000	925,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	10,000	0	0	0	0	0	10,000	10,000
<b>Total Expenditures</b>	<b>1,120,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>185,000</b>	<b>935,000</b>	<b>1,120,000</b>
<u>Revenues</u>								
Road Maintenance Fee	750,000	0	0	0	0	125,000	625,000	750,000
Storm Water Fund Transfer	370,000	0	0	0	0	60,000	310,000	370,000
<b>Total Revenues</b>	<b>1,120,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>185,000</b>	<b>935,000</b>	<b>1,120,000</b>

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