

# **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. Bridges included in this project request are:

- North Pacolet Road where it crossed Obed Creek and the Cudd Road Bridge (FY 2008/09)
- Knollwood Road crossing the tributary to Shoally Creek (FY 2009/10)
- Sandifer Road crossing Shoally Creek (FY 2010/11)
- FY 2011/12 and FY 2012/13 projects not yet identified.

## 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 2009-13 will be minimal.

## Project Status (as of June 1, 2008)

Active project. Approximately \$305,000 of the \$360,000 appropriated in FY 2007/08 has been expended on bridge and culvert repair projects.

### Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<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	2,431,500	360,000	375,000	394,000	413,000	434,000	455,500	2,071,500
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>2,431,500</b>	<b>360,000</b>	<b>375,000</b>	<b>394,000</b>	<b>413,000</b>	<b>434,000</b>	<b>455,500</b>	<b>2,071,500</b>
<u>Revenues</u>								
Road Maintenance Fee	771,500	0	115,000	134,000	153,000	174,000	195,500	771,500
Stormwater Fund	340,000	0	100,000	60,000	60,000	60,000	60,000	340,000
General Fund	1,320,000	360,000	160,000	200,000	200,000	200,000	200,000	960,000
<b>Total Revenues</b>	<b>2,431,500</b>	<b>360,000</b>	<b>375,000</b>	<b>394,000</b>	<b>413,000</b>	<b>434,000</b>	<b>455,500</b>	<b>2,071,500</b>

# Brockman McClimon Road Bridge Replacement

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

Estimated Start Date: July 2007  
 Est. Completion Date: June 2009

Project Category: New Construction/Rehabilitation/Remediation

Project Status: Active Project  
 Project Number: BR0002

## Project Description, Justification and Location

This project will replace the Brockman McClimon Road Bridge where it crosses Abners Creek, approximately seven (7) miles southeast of the City of Greer. This bridge is a concrete paved-in-place culvert, and is now too narrow to adequately handle traffic flow in the area. In addition, it sits in the Enoree River Flood Zone and has been subject to periodic flooding. The current bridge will be replaced with a sixty foot (60') span at an elevation above the one-hundred year flood elevation.



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

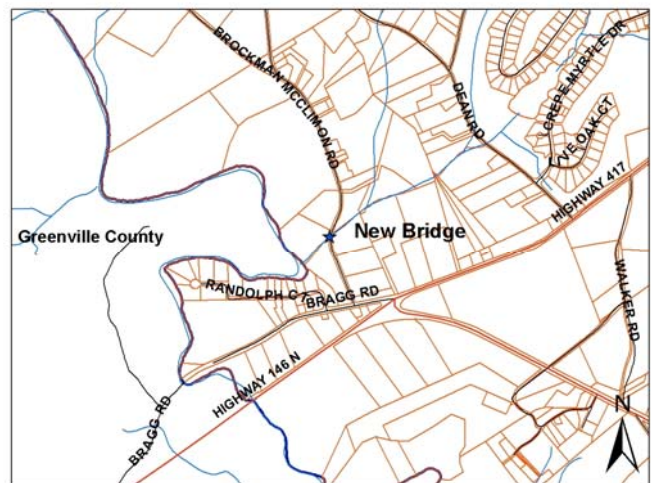
Construction of the new bridge will increase motorist safety as well as limit flooding of the roadway.

## Impact on Annual Operating Budget

Annual maintenance costs from FY 2009-13 will be minimal.

## Project Status (as of June 1, 2008)

Active project. Preliminary cost estimates place total project costs at \$830,000, as opposed to the \$457,000 budgeted in FY 2007/08. The escalated budget is based on recently received information regarding flood elevations in this area. An additional \$70,000 in Road Maintenance Fee funding and \$303,000 in State C Funds will be applied to this project in FY 2008/09, allowing construction to begin. The original completion date of June 2008 has been revised to June 2009.



## Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Brockman McClimon Road Bridge Replacement</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	85,000	50,000	35,000	0	0	0	0	35,000
Land Acquisition/Right-of-Way	40,000	20,000	20,000	0	0	0	0	20,000
Construction/Improvements	680,000	362,000	318,000	0	0	0	0	318,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	25,000	25,000	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>830,000</b>	<b>457,000</b>	<b>373,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>373,000</b>
<u>Revenues</u>								
Road Maintenance Fee	527,000	457,000	70,000	0	0	0	0	70,000
State C Funds	303,000	0	303,000	0	0	0	0	303,000
<b>Total Revenues</b>	<b>830,000</b>	<b>457,000</b>	<b>373,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>373,000</b>

# Zimmerman Road Bridge Replacement

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

Estimated Start Date: July 2007  
 Est. Completion Date: January 2009

Project Category: New Construction/Rehabilitation/Remediation

Project Status: Active Project  
 Project Number: BR0003

## Project Description, Justification and Location

This project will replace the Zimmerman Road Bridge where it crosses the North Tyger River, approximately four (4) miles north of the Town of Lyman. The current bridge is forty-two (42) years old, and needs replacement to accommodate traffic flow. This bridge is located near the county landfill, and heavy trucks frequently utilize this route. The current bridge will be replaced with a new sixty foot (60') span that will be able to accommodate the traffic needs in the area. Design, engineering and land acquisition started in FY 2007/08, with construction scheduled to be completed in FY 2008/09.



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

Construction of the new bridge will increase motorist safety and accommodate the large vehicles that utilize this roadway.

## Impact on Annual Operating Budget

Annual maintenance costs from FY 2009-13 will be minimal.

## Project Status (as of June 1, 2008)

Final bridge design complete, cost estimates being finalized. Staff has estimated costs at \$450,000, a \$12,000 reduction from original budget figures.



## Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Zimmerman Road Bridge Replacement</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	50,000	50,000	0	0	0	0	0	0
Land Acquisition/Right-of-Way	20,000	20,000	0	0	0	0	0	0
Construction/Improvements	370,000	334,400	35,600	0	0	0	0	35,600
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	10,000	10,000	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>450,000</b>	<b>414,400</b>	<b>35,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>35,600</b>
<u>Revenues</u>								
Road Maintenance Fee	266,600	231,000	35,600	0	0	0	0	35,600
State C Funds	183,400	183,400	0	0	0	0	0	0
<b>Total Revenues</b>	<b>450,000</b>	<b>414,400</b>	<b>35,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>35,600</b>

# Dairy Ridge Road Bridge Replacement

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

Estimated Start Date: July 2008  
 Est. Completion Date: December 2009

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

Project Status: Planned/Programmed – Active FY 08/09  
 Project Number: BR0004

### Project Description, Justification and Location

This project will replace the closed bridge on Dairy Ridge Road where it crosses Kelsey Creek, approximately 5.5 miles southeast of the City of Spartanburg. The bridge is closed because the main beams have rusted and failed. Design, engineering and land acquisition are scheduled for FY 2008/09, with construction scheduled for completion in FY 2009/10.



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

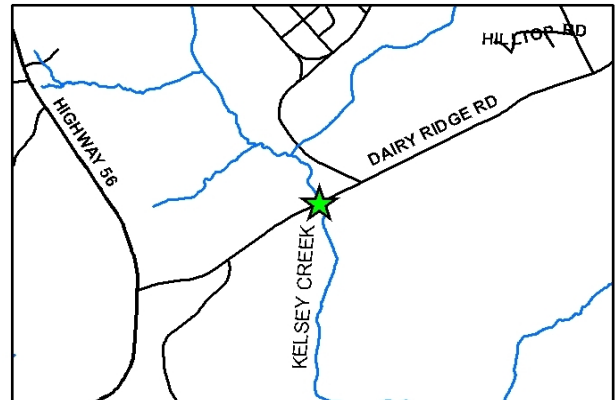
Repairing this bridge will eliminate a long detour around the closed bridge and increase public safety by providing access to the Sheriff's Office, Emergency Medical Services, etc.

### Impact on Annual Operating Budget

Annual maintenance costs from FY 2009-13 will be minimal.

### Project Status (as of June 1, 2008)

Planned/Programmed project with funding beginning in FY 2008/09. Originally, this project was scheduled for completion in FY 2010/11. State funding in the amount of \$456,400 has been pledged to this project and the completion date has been moved to FY 2008/09. By completing this project two years ahead of the original schedule, the cost estimate was reduced from \$1.2 million to \$1.0 million.



## Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Dairy Ridge Road Bridge Replacement</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	128,000	128,000	0	0	0	0	0	0
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	872,000	415,400	456,600	0	0	0	0	456,600
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>1,000,000</b>	<b>543,400</b>	<b>456,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>456,600</b>
<u>Revenues</u>								
Road Maintenance Fee	456,600	0	456,600	0	0	0	0	456,600
State of South Carolina Earmark	250,000	250,000	0	0	0	0	0	0
State C Funds	293,400	293,400	0	0	0	0	0	0
<b>Total Revenues</b>	<b>1,000,000</b>	<b>543,400</b>	<b>456,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>456,600</b>

# Double Branch Road Bridge Replacement

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

Estimated Start Date: July 2009  
 Est. Completion Date: December 2010

Project Category: New Construction/Rehabilitation/Remediation

Project Status: New Project Request  
 Project Number: TBD

## Project Description, Justification and Location

This project will replace the Double Branch Road Bridge where it crosses Island Creek, approximately 4.2 miles south of the Town of Chesnee. The existing bridge needs to be widened to accommodate increased traffic flow on the road. It will be replaced with a one-hundred twenty foot (120') span.



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

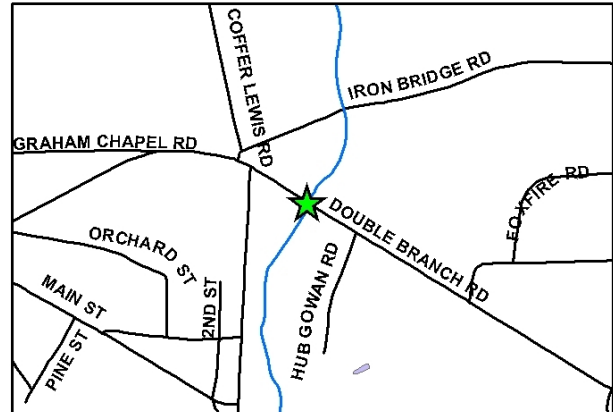
Replacing this bridge will ensure motorist safety, as well as increase the capacity to handle larger vehicles.

## Impact on Annual Operating Budget

Annual maintenance costs from FY 2009-13 will be minimal.

## Project Status (as of June 1, 2008)

New project request, funding scheduled for FY 2009/10.



## Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Double Branch Road Bridge Replacement</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	110,000	0	0	110,000	0	0	0	110,000
Land Acquisition/Right-of-Way	25,000	0	0	25,000	0	0	0	25,000
Construction/Improvements	925,000	0	0	925,000	0	0	0	925,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	35,000	0	0	35,000	0	0	0	35,000
<b>Total Expenditures</b>	<b>1,095,000</b>	<b>0</b>	<b>0</b>	<b>1,095,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,095,000</b>
<u>Revenues</u>								
Road Maintenance Fee	1,095,000	0	0	1,095,000	0	0	0	1,095,000
<b>Total Revenues</b>	<b>1,095,000</b>	<b>0</b>	<b>0</b>	<b>1,095,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,095,000</b>

# Runion Road Bridge Replacement

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

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

Project Category: New Construction/Rehabilitation/Remediation

Project Status: Planned/Programmed Project  
 Project Number: TBD

## 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

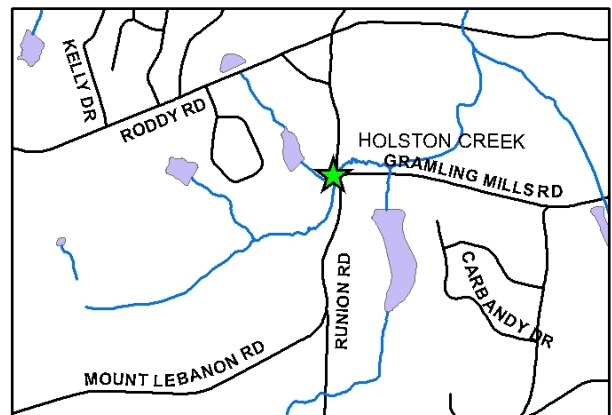
Replacing this bridge will ensure motorist safety, as well as increase the capacity to handle larger vehicles and traffic flow from the new school.

## Impact on Annual Operating Budget

Annual maintenance costs from FY 2009-13 will be minimal.

## Project Status (as of June 1, 2008)

Planned/Programmed project with funding beginning in FY 2009/10 and construction scheduled for completion in FY 2010/11. Original cost estimate of \$423,000 in the FY 2008-12 CIP updated to \$500,000 based on recent bids received for similar projects.



## Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Runion Road Bridge Replacement</b>								
Planning/Design/Engineering	50,000	0	0	50,000	0	0	0	50,000
Land Acquisition/Right-of-Way	25,000	0	0	25,000	0	0	0	25,000
Construction/Improvements	400,000	0	0	0	400,000	0	0	400,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	25,000	0	0	10,000	15,000	0	0	25,000
<b>Total Expenditures</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>85,000</b>	<b>415,000</b>	<b>0</b>	<b>0</b>	<b>500,000</b>
<b>Revenues</b>								
Road Maintenance Fee	500,000	0	0	85,000	415,000	0	0	500,000
<b>Total Revenues</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>85,000</b>	<b>415,000</b>	<b>0</b>	<b>0</b>	<b>500,000</b>

# Clark Road Bridge Replacement

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

Estimated Start Date: July 2010  
 Est. Completion Date: December 2011

Project Category: New Construction/Rehabilitation/Remediation

Project Status: New Project Request  
 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

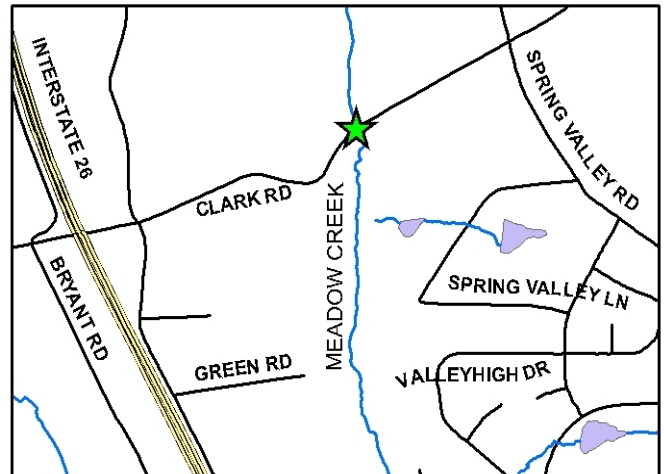
Replacing this bridge will ensure motorist safety, as well as increase the capacity to handle larger vehicles.

## Impact on Annual Operating Budget

Annual maintenance costs from FY 2009-13 will be minimal.

## Project Status (as of June 1, 2008)

New project request, funding scheduled for FY 2010/11.



## Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Clark Road Bridge Replacement</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	65,000	0	0	0	65,000	0	0	65,000
Land Acquisition/Right-of-Way	10,000	0	0	0	10,000	0	0	10,000
Construction/Improvements	600,000	0	0	0	600,000	0	0	600,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	35,000	0	0	0	35,000	0	0	35,000
<b>Total Expenditures</b>	<b>710,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>710,000</b>	<b>0</b>	<b>0</b>	<b>710,000</b>
<u>Revenues</u>								
Road Maintenance Fee	710,000	0	0	0	710,000	0	0	710,000
<b>Total Revenues</b>	<b>710,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>710,000</b>	<b>0</b>	<b>0</b>	<b>710,000</b>

# Hampton Road Bridge Replacement

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

Estimated Start Date: July 2010  
 Est. Completion Date: January 2012

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 2010/11, with construction scheduled in FY 2011/12.



## 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 2009-13 will be minimal.

## Project Status (as of June 1, 2008)

Planned/Programmed project, with funding beginning in FY 2010/11, and construction scheduled for completion in FY 2011/12. Original cost estimate of \$623,000 in the FY 2008-12 was revised to \$785,000 due to having to raise the bridge over the 100-year flood elevation and to reflect bid prices on similar projects.



## Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Hampton Road Bridge Replacement</b>								
<b>Expenditures</b>								
Planning/Design/Engineering	100,000	0	0	0	100,000	0	0	100,000
Land Acquisition/Right-of-Way	25,000	0	0	0	25,000	0	0	25,000
Construction/Improvements	630,000	0	0	0	0	630,000	0	630,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	30,000	0	0	0	0	30,000	0	30,000
<b>Total Expenditures</b>	<b>785,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125,000</b>	<b>660,000</b>	<b>0</b>	<b>785,000</b>
<b>Revenues</b>								
Road Maintenance Fee	785,000	0	0	0	125,000	660,000	0	785,000
<b>Total Revenues</b>	<b>785,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125,000</b>	<b>660,000</b>	<b>0</b>	<b>785,000</b>

# Kist Road Bridge Replacement

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

Estimated Start Date: July 2011  
 Est. Completion Date: December 2012

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. Design, engineering and land acquisition are scheduled for FY 2011/12, with construction scheduled for completion in FY 2012/13.



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

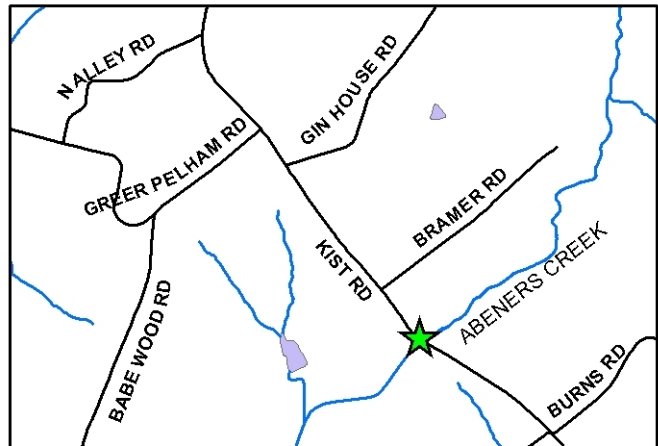
Replacing this bridge will ensure motorist safety, as well as increase the capacity to handle larger vehicles and traffic flow from the new school.

## Impact on Annual Operating Budget

Annual maintenance costs from FY 2009-13 will be minimal.

## Project Status (as of June 1, 2008)

Planned/Programmed project, with funding scheduled to begin in FY 2011/12, and construction completed in FY 2012/13. Original cost estimate of \$610,000 revised to \$735,000 based on expected higher construction costs and recent bids received on similar projects.



## Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Kist Road Bridge Replacement</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	70,000	0	0	0	0	70,000	0	70,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	615,000	0	0	0	0	615,000	0	615,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	50,000	0	0	0	0	50,000	0	50,000
<b>Total Expenditures</b>	<b>735,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>735,000</b>	<b>0</b>	<b>735,000</b>
<u>Revenues</u>								
Road Maintenance Fee	735,000	0	0	0	0	735,000	0	735,000
<b>Total Revenues</b>	<b>735,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>735,000</b>	<b>0</b>	<b>735,000</b>

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