BRIDGES

Countywide Bridge and Culvert Repair and Maintenance

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/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. A decrease in the funding is recommended for FY 2011/12 due to the funding capacity of the Stormwater Management Fund. FY 2012/13 and beyond include recommended annual funding at $400,000 provided by the Road Maintenance Fee Fund and Stormwater Management Fund. Bridge and culvert replacements included in this project request are:

- Four Mile Branch
- River Forest Drive

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. The bridges to be replaced on Four Mile Branch and River Forest Drive are located on dead end roads and need to be replaced to prevent an unexpected closure.

Impact on Annual Operating Budget

Annual maintenance costs from FY 2012-16 will be minimal and are already budgeted in the Roads and Bridges annual operating budget.

Project Status (as of June 30, 2011)

Active project.

Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	*COMMITTED FUNDING*	**FY 2011/12**	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	**FY 2012-16 Totals**
BRIDGES								
Countywide Bridge & Culvert Repair & Maintenance								
Expenditures								
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	3,110,000	*1,160,000*	**350,000**	400,000	400,000	400,000	400,000	**1,950,000**
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**
Total Expenditures	3,110,000	*1,160,000*	**350,000**	400,000	400,000	400,000	400,000	**1,950,000**
Revenues								
Road Maintenance Fee	1,565,000	*615,000*	**250,000**	175,000	175,000	175,000	175,000	**950,000**
Stormwater Fund	1,425,000	*425,000*	**100,000**	225,000	225,000	225,000	225,000	**1,000,000**
General Fund	520,000	*520,000*	**0**	0	0	0	0	**0**
Total Revenues	3,510,000	*1,560,000*	**350,000**	400,000	400,000	400,000	400,000	**1,950,000**

Foster Road Culvert Replacement (A)

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Ron Kirby

Estimated Start Date: March 1, 2012
Est. Completion Date: June 30, 2013

Project Category: New Construction/Rehabilitation/Remediation

Project Status: New Project
Project Number: BR0009

Project Description, Justification and Location

This project will replace an existing culvert on Foster Road near its intersection with Edgewater Road. The existing box culvert is in need of replacement and will be lengthened and widened as part of this project. By replacing the existing culvert and lengthening it, the road surface will be widened allowing for safer road conditions in this region. The replacement will also allow the addition of shoulders and upgraded guardrails to this section of Foster Road. An additional project for replacement of another, larger culvert on Foster Road is programmed for FY 12/13 and FY 13/14.

Benefits to Residents, Visitors, Businesses, or County Employees

Replacing this culvert will ensure motorist safety, as well as increase the capacity to handle larger vehicles and traffic flow in this area, located near Lake Bowen.

Impact on Annual Operating Budget

Annual maintenance costs from FY 2012-16 will be minimal and are included in the annual operating budget of the Roads and Bridges Department.

Project Status (as of June 30, 2011)

New project request.

Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	*COMMITTED FUNDING*	**FY 2011/12**	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	**FY 2012-16 Totals**
Foster Road Culvert Replacement (A)								
Expenditures								
Planning/Design/Engineering	40,000	*0*	**40,000**	0	0	0	0	**40,000**
Land Acquisition/Right-of-Way	0	*0*	**0**	0	0	0	0	**0**
Construction/Improvements	120,000	*0*	**24,000**	96,000	0	0	0	**120,000**
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**
Total Expenditures	160,000	*0*	**64,000**	96,000	0	0	0	**160,000**
Revenues								
Road Maintenance Fee	96,000	*0*	**0**	96,000	0	0	0	**96,000**
State C-Funds	64,000	*0*	**64,000**	0	0	0	0	**64,000**
Total Revenues	160,000	*0*	**64,000**	96,000	0	0	0	**160,000**

Clark Road Bridge Replacement

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Ron Kirby

Estimated Start Date: July 2012
Est. Completion Date: June 2014

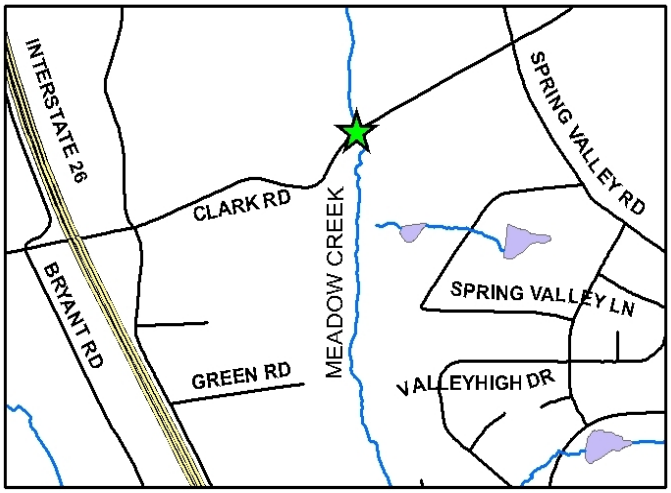
Project Category: New Construction/Rehabilitation/Remediation
Project Status: Planned/Programmed Project
Project Number: TBD

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 2012-16 will be minimal and will be included in the Roads and Bridges annual operating budget.

Project Status (as of June 30, 2011)

Planned/Programmed project with funding scheduled for FY 2012/13.

Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	*COMMITTED FUNDING*	**FY 2011/12**	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	**FY 2012-16 Totals**
Clark Road Bridge Replacement								
Expenditures								
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**
Technology Expenditures	0	*0*	**0**		0	0	0	**0**
Other	0	*0*	**0**	0	0	0	0	**0**
Total Expenditures	985,000	*0*	**0**	135,000	850,000	0	0	**985,000**
Revenues								
Road Maintenance Fee	591,000	*0*	**0**	135,000	456,000	0	0	**591,000**
State C-Funds	394,000	*0*	**0**	0	394,000	0	0	**394,000**
Total Revenues	985,000	*0*	**0**	135,000	850,000	0	0	**985,000**

Foster Road Culvert Replacement (B)

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Ron Kirby

Estimated Start Date: July 2012
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 an existing box culvert on Foster Road near its intersection with Sunward Path Road. The existing culvert is in need of replacement and will be widened and lengthened as part of this project. The existing road surface will also be widened, shoulders added, and guardrails upgraded to increase safety in this area. The additional upgrades are needed due to increased traffic on this road which is located near Lake Bowen.

Benefits to Residents, Visitors, Businesses, or County Employees

Replacing this box culvert will ensure motorist safety, as well as increase the capacity to handle larger vehicles and additional traffic.

Impact on Annual Operating Budget

Annual maintenance costs from FY 2012-16 will be minimal and will be included in the Roads and Bridges annual operating budget.

Project Status (as of June 30, 2011)

Planned/Programmed project with funding scheduled for FY 2012/13.

Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	*COMMITTED FUNDING*	**FY 2011/12**	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	**FY 2012-16 Totals**
Foster Road Culvert Replacement (B)								
Planning/Design/Engineering	60,000	*0*	**0**	60,000	0	0	0	**60,000**
Land Acquisition/Right-of-Way	0	*0*	**0**	0	0	0	0	**0**
Construction/Improvements	285,000	*0*	**0**	285,000	0	0	0	**285,000**
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**
Total Expenditures	345,000	*0*	**0**	345,000	0	0	0	**345,000**
Revenues								
Road Maintenance Fee	207,000	*0*	**0**	207,000	0	0	0	**207,000**
State C-Funds	138,000	*0*	**0**	138,000	0	0	0	**138,000**
Total Revenues	345,000	*0*	**0**	345,000	0	0	0	**345,000**

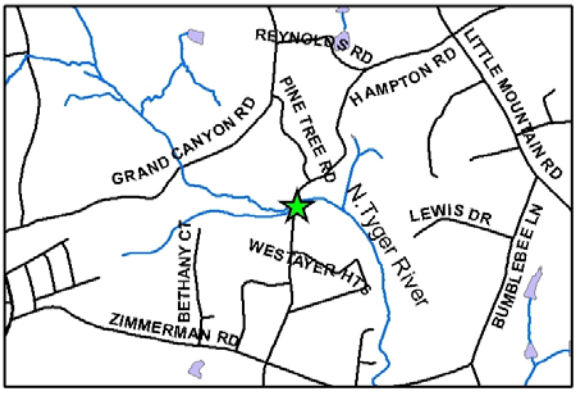
Hampton Road Bridge Replacement

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Ron Kirby

Estimated Start Date: July 2014
Est. Completion Date: June 2016

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 2014/15, with construction scheduled in FY 2015/16.

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 2012-16 will be minimal.

Project Status (as of June 30, 2011)

Planned/Programmed project with funding scheduled to begin in FY 2014/15.

Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	*COMMITTED FUNDING*	**FY 2011/12**	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	**FY 2012-16 Totals**
Hampton Road Bridge Replacement								
Expenditures								
Planning/Design/Engineering	130,000	*0*	**0**	0	0	130,000	0	**130,000**
Land Acquisition/Right-of-Way	25,000	*0*	**0**	0	0	25,000	0	**25,000**
Construction/Improvements	900,000	*0*	**0**	0	0	0	900,000	**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**
Total Expenditures	1,055,000	*0*	**0**	0	0	155,000	900,000	**1,055,000**
Revenues								
Road Maintenance Fee	527,500	*0*	**0**	0	0	155,000	372,500	**527,500**
State C-Funds	527,500	*0*	**0**	0	0	0	527,500	**527,500**
Total Revenues	1,055,000	*0*	**0**	0	0	155,000	900,000	**1,055,000**

Kist Road Bridge Replacement

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Ron Kirby

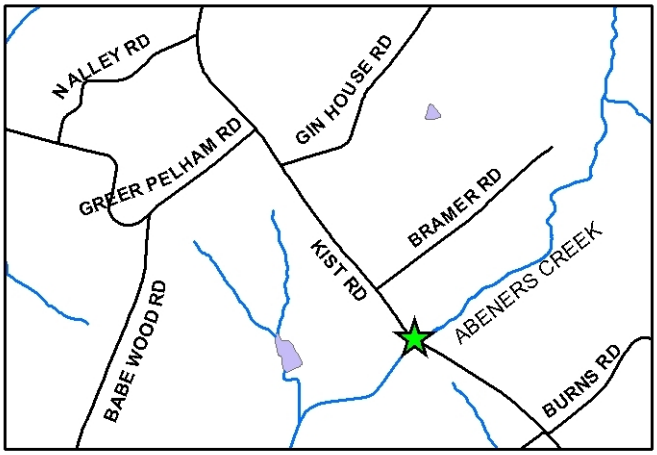
Estimated Start Date: July 2013
Est. Completion Date: June 2015

Project Category: New Construction/Rehabilitation/Remediation

Project Status: Planned/Programmed Project
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 vehicles and additional 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 2012-16 will be minimal.

Project Status (as of June 30, 2011)

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 2011/12**	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	**FY 2012-16 Totals**
Kist Road Bridge Replacement								
Expenditures								
Planning/Design/Engineering	135,000	*0*	**0**	0	135,000	0	0	**135,000**
Land Acquisition/Right-of-Way	50,000	*0*	**0**	0	50,000	0	0	**50,000**
Construction/Improvements	925,000	*0*	**0**	0	0	925,000	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	0	*0*	**0**	0	0	0	0	**0**
Total Expenditures	1,110,000	*0*	**0**	0	185,000	925,000	0	**1,110,000**
Revenues								
Road Maintenance Fee	555,000	*0*	**0**	0	185,000	370,000	0	**555,000**
State C-Funds	555,000	*0*	**0**	0	0	555,000	0	**555,000**
Total Revenues	1,110,000	*0*	**0**	0	185,000	925,000	0	**1,110,000**

Motlow Creek Bridge Replacement

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Ron Kirby

Estimated Start Date: July 2012
Est. Completion Date: December 2014

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 existing box culvert on Motlow Creek Road with a cored slab concrete bridge. The existing structure is located in a curve with road approaches that need to be straightened. The existing culvert is narrow and has concrete barriers on either side. Foundation walls are beginning to show signs of cracking. The existing culvert will be left in place during construction to allow for the passage of traffic during construction. The new bridge structure will be relocated to allow for better road approaches and safer driving conditions in this area.

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 in this area.

Impact on Annual Operating Budget

Annual maintenance costs from FY 2012-16 will be minimal. By replacing the existing double box culvert with a bridge design as proposed, maintenance efforts of the Roads and Bridges Department will be decreased. The new design will not require regular clearing of debris from around the structure as the existing culvert does.

Project Status (as of June 30, 2011)

Planned/Programmed project, with funding scheduled to begin in FY 2012/13 (planning and engineering) and continuing in FY 2013/14 (construction).

Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	*COMMITTED FUNDING*	**FY 2011/12**	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	**FY 2012-16 Totals**
Motlow Creek Bridge Replacement								
Expenditures								
Planning/Design/Engineering	90,000	*0*	**0**	90,000	0	0	0	**90,000**
Land Acquisition/Right-of-Way	25,000	*0*	**0**	25,000	0	0	0	**25,000**
Construction/Improvements	600,000	*0*	**0**	286,000	314,000	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	0	*0*	**0**	0	0	0	0	**0**
Total Expenditures	715,000	*0*	**0**	401,000	314,000	0	0	**715,000**
Revenues								
Road Maintenance Fee	429,000	*0*	**0**	115,000	314,000	0	0	**429,000**
State C-Funds	286,000	*0*	**0**	286,000	0	0	0	**286,000**
Total Revenues	715,000	*0*	**0**	401,000	314,000	0	0	**715,000**