

ROADS AND INTERSECTIONS



Countywide Asphalt Resurfacing

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: Rehabilitation/Remediation

Project Status: Active Project
Project Number: RI0005

Project Description, Justification and Location

This project will provide funding for asphalt resurfacing of county roads on an annual basis. Roads are selected for asphalt resurfacing based on the Overall Condition Index (OCI) report each year. Ideally, roads will be resurfaced when the OCI associated with the road is between forty-one (41) and fifty-five (55). This is the least expensive time period to resurface the road. As the pavement deteriorates to failure, the cost to resurface can almost triple. A complete list of roads to be resurfaced in FY 2011/12 is being developed by the Roads & Bridges department and is expected to be available prior to July 1.



Benefits to Residents, Visitors, Businesses, or County Employees

Resurfacing these roads using the OCI rating system will save on the costs of road resurfacing in the future, while continuing to provide for the safety of motorists utilizing the roadways.

Impact on Annual Operating Budget

Annual maintenance costs for asphalt resurfacing after the work has been completed are included in the operating budget. Currently in the operating budget, pothole patching and sealing cost approximately \$170 per mile/per year.

Project Status (as of June 30, 2011)

Active project. County funded asphalt resurfacing is complete for FY 2010/11.

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
Countywide Asphalt Resurfacing								
<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	35,726,000	16,336,000	3,638,000	3,838,000	3,838,000	3,938,000	4,138,000	19,390,000
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	35,726,000	16,336,000	3,638,000	3,838,000	3,838,000	3,938,000	4,138,000	19,390,000
<u>Revenues</u>								
Road Maintenance Fee	25,634,000	11,434,000	2,600,000	2,800,000	2,800,000	2,900,000	3,100,000	14,200,000
General Fund Transfer	750,000	750,000	0	0	0	0	0	0
State C Funds	9,342,000	4,152,000	1,038,000	1,038,000	1,038,000	1,038,000	1,038,000	5,190,000
Total Revenues	35,726,000	16,336,000	3,638,000	3,838,000	3,838,000	3,938,000	4,138,000	19,390,000

Municipal Road Projects

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

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

Project Category: Rehabilitation/Remediation/New Construction

Project Status: Active Project
Project Number: RI0006

Project Description, Justification and Location

Funding is allocated to incorporated cities and towns in the county for road projects, based on a population distribution formula and number of road miles. Municipalities submit funding requests to the County, and requests are reviewed by a municipal road advisory committee. Funds are held in escrow for the municipalities. Changes in Road Maintenance Fee revenues proportionally affect municipality distribution.



Benefits to Residents, Visitors, Businesses, or County Employees

Municipalities have the opportunity for additional funding to supplement road projects within their corporate limits.

Impact on Annual Operating Budget

There is no impact on the operating budget.

Project Status (as of June 30, 2011)

Active project. Various municipal road projects are underway as approved by the CTC advisory committee.

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
Municipal Road Projects								
<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	6,905,596	2,934,700	784,700	784,700	792,547	800,472	808,477	3,970,896
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	6,905,596	2,934,700	784,700	784,700	792,547	800,472	808,477	3,970,896
<u>Revenues</u>								
Road Maintenance Fee	6,905,596	2,934,700	784,700	784,700	792,547	800,472	808,477	3,970,896
Total Revenues	6,905,596	2,934,700	784,700	784,700	792,547	800,472	808,477	3,970,896

Sign Reflectivity Mandate

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

Estimated Start Date: July 2010
Est. Completion Date: December 2018

Project Category: New Construction

Project Status: Active Project
Project Number: RI0012

Project Description, Justification and Location

Project will provide for the replacement of existing County directional, traffic, and road signs. The Federal Highway Administration (FHWA) has set new requirements for minimum sign reflectivity standards that must be adhered to. These new requirements mandate that a sign replacement plan be in place by the conclusion of calendar year 2012, traffic type signs be replaced with new signs up to the standard by the end of 2015 and all other signs be replaced with the higher reflectivity signs by the end of 2018.



Source: Federal Highway Administration

Benefits to Residents, Visitors, Businesses, or County Employees

County residents and visitors will greatly benefit from the replacement of existing signs with new signs that offer higher reflectivity and visibility for drivers. The new signage will greatly improve the safety of night-time driving for all segments of our population.

Impact on Annual Operating Budget

Operating costs associated with the routine replacement of damaged or stolen signs is currently budgeted in the Road Maintenance Fee fund, in the administration department.

Project Status (as of June 30, 2011)

Project is currently underway with staff replacing existing signs with the new, approved signs.

Project Expenditures and Funding Sources

<u>PROJECT</u>	TOTAL	COMMITTED	FY	FY	FY	FY	FY	FY	FY 2012-16
PROJECT COST	PROJECT COST	FUNDING	2011/12	2012/13	2013/14	2014/15	2015/16	2015/16	Totals
Sign Reflectivity Mandate									
<u>Expenditures</u>									
Planning/Design/Engineering	0	0	0	0	0	0	0	0	0
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0	0
Construction/Improvements	0	0	0	0	0	0	0	0	0
Capital Materials/Equipment	1,540,000	140,000	200,000	300,000	300,000	300,000	300,000	300,000	1,400,000
Technology Expenditures	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
Total Expenditures	1,540,000	140,000	200,000	300,000	300,000	300,000	300,000	300,000	1,400,000
<u>Revenues</u>									
Road Maintenance Fee	1,540,000	140,000	200,000	300,000	300,000	300,000	300,000	300,000	1,400,000
Total Revenues	1,540,000	140,000	200,000	300,000	300,000	300,000	300,000	300,000	1,400,000

Sterling Drive Extension

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Johnny Ravan

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

Project Category: New Construction

Project Status: Planned/Programmed Project
Project Number: RI0013

Project Description, Justification and Location

This project will provide resources to extend the existing Sterling Drive directly to Highway 9 in the Boiling Springs Community. Currently, Sterling Drive intersects Rocky Branch Road, and Birds Eye View near Highway 9, creating a bottle-neck location, causing congestion and increasing hazard.



Benefits to Residents, Visitors, Businesses, or County Employees

Residents and visitors to the area will benefit from safer driving conditions in the area, reduced risk of collision, and better traffic flow. This project will also increase the safety of drivers on Highway 9 by having a road that properly intersects, allowing for the safe flow of traffic onto and off of Highway 9.

Impact on Annual Operating Budget

There will be no significant maintenance costs associated with this road extension for the first five years after construction.

Project Status (as of June 30, 2011)

This is a planned/programmed project, recommended to be fully funded in FY 2011/12.

Project Expenditures and Funding Sources

PROJECT	TOTAL	COMMITTED	FY	FY	FY	FY	FY	FY	FY 2012-16
	PROJECT COST	FUNDING	2011/12	2012/13	2013/14	2014/15	2015/16	Totals	
Sterling Drive Extension									
<u>Expenditures</u>									
Planning/Design/Engineering	75,000	0	75,000	0	0	0	0	0	75,000
Land Acquisition/Right-of-Way	200,000	0	200,000	0	0	0	0	0	200,000
Construction/Improvements	500,000	0	500,000	0	0	0	0	0	500,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
Total Expenditures	775,000	0	775,000	0	0	0	0	0	775,000
<u>Revenues</u>									
Road Maintenance Fee	425,000	0	425,000	0	0	0	0	0	425,000
State C-Funds	275,000	0	275,000	0	0	0	0	0	275,000
Storm Water Fund Transfer	75,000	0	75,000	0	0	0	0	0	75,000
Total Revenues	775,000	0	775,000	0	0	0	0	0	775,000

Traffic Calming

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Johnny Ravan

Estimated Start Date: July 2008
Est. Completion Date: On-Going

Project Category: Rehabilitation/Remediation

Project Status: Active Project
Project Number: RI0007

Project Description, Justification and Location

This project will provide funding for installation of traffic calming devices at locations requested by citizen groups that meet conditions of the traffic calming policy. Citizens may request traffic calming in their neighborhoods by making a request, which is evaluated by the Public Works department for eligibility. Eligibility is based on traffic volume, average speed, and acceptance by impacted citizens. Also included in FY 2011/12 is the replacement of traffic analyzers that are vital in determining whether requests are appropriate for completion.



Benefits to Residents, Visitors, Businesses, or County Employees

Slower traffic in neighborhoods will reduce safety hazards and improve quality of life for citizens.

Impact on Annual Operating Budget

Minimal impact on the operating budget from FY 2012-16.

Project Status (as of June 30, 2011)

Active project. A vendor was secured in mid June, 2011 to install additional traffic calming devices with approved funding for FY 2010/11.

Project Expenditures and Funding Sources

PROJECT	TOTAL	COMMITTED	FY	FY	FY	FY	FY	FY 2012-16
	PROJECT COST	FUNDING	2011/12	2012/13	2013/14	2014/15	2015/16	Totals
Traffic Calming								
<u>Expenditures</u>								
Planning/Design/Engineering	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	267,000	175,000	50,000	12,000	10,000	10,000	10,000	92,000
Capital Materials/Equipment	25,000	0	25,000	0	0	0	0	25,000
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total Expenditures	292,000	175,000	75,000	12,000	10,000	10,000	10,000	117,000
<u>Revenues</u>								
General Fund Transfer	100,000	100,000	0	0	0	0	0	0
Road Maintenance Fee	192,000	75,000	75,000	12,000	10,000	10,000	10,000	117,000
Total Revenues	292,000	175,000	75,000	12,000	10,000	10,000	10,000	117,000

Westmoreland Road Widening

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Johnny Ravan

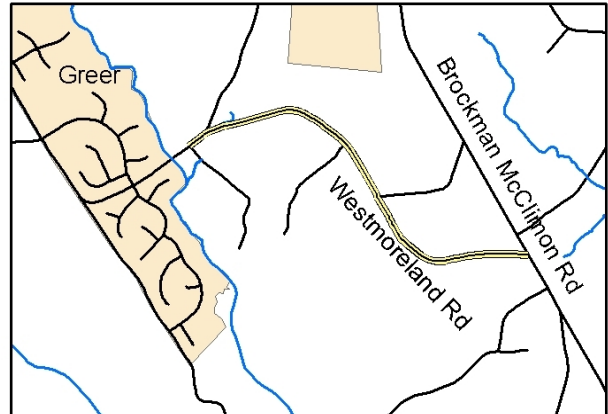
Estimated Start Date: July 2011
Est. Completion Date: January 2013

Project Category: New Construction/Rehabilitation

Project Status: Planned/Programmed Project
Project Number: RI0011

Project Description, Justification and Location

This project will widen approximately 6,300 feet of the county-owned portion of Westmoreland Road from sixteen feet (16') to twenty-four feet (24'). Widening will occur between Brockman McClimon Road to where the City of Greer incorporated area begins. Increased traffic flow due to hospital construction, and planned residential and commercial developments in the area necessitates the widening of Westmoreland Road. Design, permitting, bidding and right-of-way acquisition are scheduled to begin during FY 2010/11, with construction taking place in FY 2011/12.



Benefits to Residents, Visitors, Businesses, or County Employees

Completion of the projects will provide improved traffic flow on Westmoreland Road, improving road conditions and enhancing the safety for motorists utilizing this county road.



Impact on Annual Operating Budget

There will be no significant maintenance costs associated with this project for the first five years after construction.

Project Status (as of June 30, 2011)

No expenditures related to this project have been made to date.

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 2016/17	FY 2012-16 Totals
Westmoreland Road Widening									
<u>Expenditures</u>									
Planning/Design/Engineering	90,000	90,000	0	0	0	0	0	0	0
Land Acquisition/Right-of-Way	55,000	55,000	0	0	0	0	0	0	0
Construction/Improvements	745,000	300,000	445,000	0	0	0	0	0	445,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
Total Expenditures	890,000	445,000	445,000	0	0	0	0	0	445,000
<u>Revenues</u>									
Road Maintenance Fee	565,000	145,000	420,000	0	0	0	0	0	420,000
Storm Water Fund Transfer	25,000	0	25,000	0	0	0	0	0	25,000
State C-Funds	300,000	300,000	0	0	0	0	0	0	0
Total Revenues	890,000	445,000	445,000	0	0	0	0	0	445,000

Bishop Road Widening

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Johnny Ravan

Estimated Start Date: July 2015
Est. Completion Date: June 2017

Project Category: New Construction/Rehabilitation

Project Status: New Project Request
Project Number: TBD

Project Description, Justification and Location

This project will widen Bishop Road from Highway 176 to Compton Bridge Road near the Inman Community. This area, just to the east of Inman, has incurred significant growth over the past ten years due to the addition of multiple subdivisions in the area. This has increased traffic on this Bishop Road which is now too narrow. This project will provide resources over a two year period for the widening and resurfacing of the road way, helping to improve traffic flow and motorist and pedestrian safety in the area.

Benefits to Residents, Visitors, Businesses, or County Employees

Completion of this project will enhance safety for motorists utilizing this roadway as well as increase traffic flow and decrease County maintenance efforts.

Impact on Annual Operating Budget

There will be no significant maintenance costs associated with this project for five years after completion.

Project Status (as of June 30, 2011)

Planned/Programmed project, with funding beginning FY 2015/16.

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
Bishop Road Widening								
<u>Expenditures</u>								
Planning/Design/Engineering	100,000	0	0	0	0	0	100,000	100,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	309,000	0	0	0	0	0	309,000	309,000
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	409,000	0	0	0	0	0	409,000	409,000
<u>Revenues</u>								
Road Maintenance Fee	409,000	0	0	0	0	0	409,000	409,000
Total Revenues	409,000	0	0	0	0	0	409,000	409,000

Countywide Dirt Road Surfacing

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: Rehabilitation/Remediation

Project Status: Active Project
Project Number: RI0004

Project Description, Justification and Location

This project will provide asphalt surfacing of minimum maintenance unpaved roads within the county road system. Citizens petition the County to pave the roads, and then all necessary right-of-ways must be donated. The roads then go on a waiting list, and are completed on a “first come first served” basis when funding is available. The roads scheduled for completion in the five year capital plan include:

- FY 2012/13: Pruitt Drive, Indian Hill Lane
- FY 2013/14: June Bug Lane
- FY 2014/15: Riverside Drive, Marlette Road
- FY 2015/16: Foster Mill Circle, Wildflower Lane

Funding for FY 2011/12 has been deferred due to the inclusion of higher priority projects in the CIP with greater funding requirements. Funding is scheduled to recommence for this project in FY 2012/13.

Benefits to Residents, Visitors, Businesses, or County Employees

Surfacing these dirt roads ensures safer roads for motorists, as well as reduces annual maintenance costs associated with maintaining dirt roads.

Impact on Annual Operating Budget

Surfacing these dirt roads results in greatly reduced annual maintenance costs because the County does not have to grade them monthly or add gravel to the road.

Project Status (as of June 30, 2011)

Active project. At this time, twelve roads are on the list to be widened and a right-of-way of fifty (50) feet has been obtained for each road as part of the application and petition process.

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
Countywide Dirt Road Surfacing								
<i>Expenditures</i>								
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	1,017,000	449,000	0	107,000	151,000	160,000	150,000	568,000
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	1,017,000	449,000	0	107,000	151,000	160,000	150,000	568,000
<i>Revenues</i>								
Road Maintenance Fee	892,000	409,000	0	107,000	66,000	160,000	150,000	483,000
Storm Water Fund Transfer	85,000	0	0	0	85,000	0	0	85,000
General Fund Transfer	40,000	40,000	0	0	0	0	0	0
Total Revenues	1,017,000	449,000	0	107,000	151,000	160,000	150,000	568,000

Seay Road Widening

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Johnny Ravan

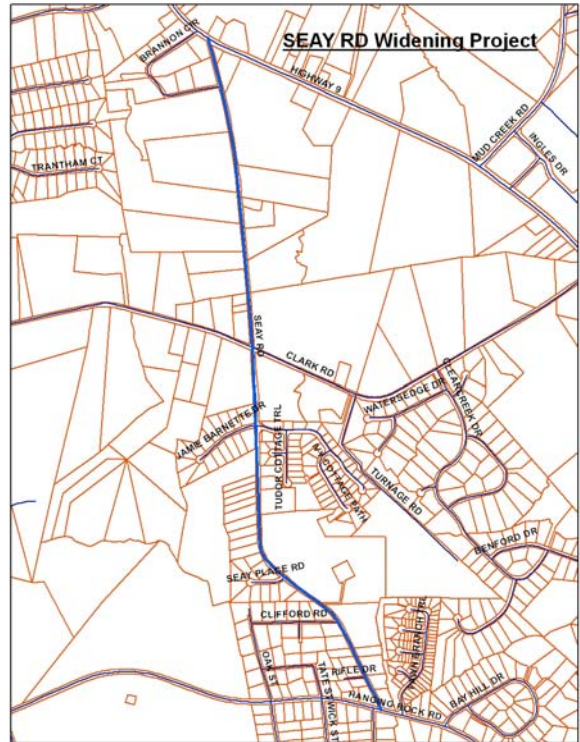
Estimated Start Date: July 2014
Est. Completion Date: June 2015

Project Category: New Construction/Rehabilitation

Project Status: Planned/Programmed Project
Project Number: TBD

Project Description, Justification and Location

Seay Road is located between Hanging Rock Road and Highway 9, northwest of the Boiling Springs Community. Seay Road is a heavily traveled road located near three newly constructed schools. The current road was not built to accommodate the levels of traffic it experiences regularly. Project would widen the existing road, allowing for lower traffic congestion, safer travel, and lower maintenance costs on the road.



Benefits to Residents, Visitors, Businesses, or County Employees

Completion of the projects will provide improved traffic flow on Seay Road, improving road conditions and enhancing the safety for motorists utilizing this county road.

Impact on Annual Operating Budget

There will be no significant maintenance costs associated with this widening project for the first five years after construction. Decreased maintenance costs associated with the road are likely to be experienced following completion of the project.

Project Status (as of June 30, 2011)

Planned/programmed project with funding planned for FY 2015/16 (planning and engineering). Construction is planned for FY 2016/17, beyond the five year capital improvement plan.

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
Seay Road Widening								
<i>Expenditures</i>								
Planning/Design/Engineering	242,000	0	0	0	0	0	242,000	242,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	0	0	0	0	0	0	0	0
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	242,000	0	0	0	0	0	242,000	242,000
<i>Revenues</i>								
Road Maintenance Fee	121,000	0	0	0	0	0	121,000	121,000
State C-Funds	121,000	0	0	0	0	0	121,000	121,000
Total Revenues	242,000	0	0	0	0	0	242,000	242,000

Society Hill Road Improvements

Requesting Department/Division: Public Works/Roads and Bridges
Project Manager/Contact: Steve Belue/Johnny Ravan

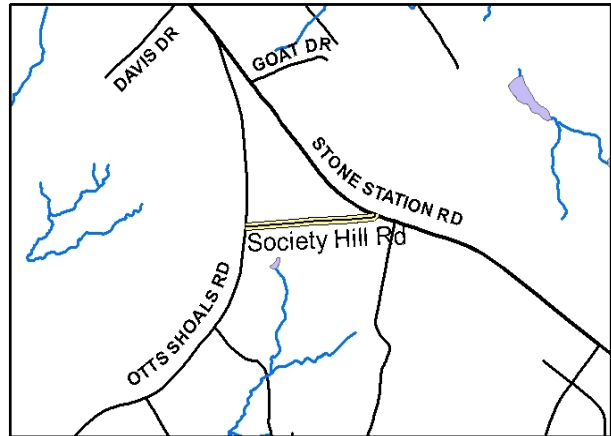
Estimated Start Date: July 2011
Est. Completion Date: June 2012

Project Category: New Construction/Rehabilitation

Project Status: Planned/Programmed Project
Project Number: TBD

Project Description, Justification and Location

This project will widen and improve intersections on Society Hill Road from Otts Shoals Road to Stone Station Road. This section of road is heavily used by school buses going to and from Gable Middle School. Widening the road from eighteen feet (18') to twenty-four feet (24') will allow school buses and other traffic to pass safely. Design, permitting, bidding and right-of-way acquisition and construction are scheduled for FY 2012/13. The construction phase of the project is anticipated to take between four (4) and six (6) months.



Benefits to Residents, Visitors, Businesses, or County Employees

Completion of this project will enhance safety for motorists - especially school traffic - utilizing this roadway.

Impact on Annual Operating Budget

There will be no significant maintenance costs associated with this project for five years after completion.

Project Status (as of June 30, 2010)

Planned/Programmed project, with funding beginning 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
Society Hill Road Improvements								
<u>Expenditures</u>								
Planning/Design/Engineering	45,000	0	0	45,000	0	0	0	45,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	145,000	0	0	145,000	0	0	0	145,000
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	190,000	0	0	190,000	0	0	0	190,000
<u>Revenues</u>								
Road Maintenance Fee	95,000	0	0	95,000	0	0	0	95,000
State C-Funds	95,000	0	0	95,000	0	0	0	95,000
Total Revenues	190,000	0	0	190,000	0	0	0	190,000