

# **ROADS AND INTERSECTIONS**

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# Countywide Asphalt Resurfacing

**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:** 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 2010/11 is included in the Appendix.

## 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 February 1, 2010)

Active project. County funded asphalt resurfacing is complete for FY 2009/10. C-funds funded resurfacing will be completed by June 2009. A complete list of roads to be resurfaced in FY 2010/11 is included in the Appendix.

### 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>Countywide Asphalt Resurfacing</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	31,436,000	12,636,000	3,700,000	3,700,000	3,800,000	3,800,000	3,800,000	18,800,000
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>31,436,000</b>	<b>12,636,000</b>	<b>3,700,000</b>	<b>3,700,000</b>	<b>3,800,000</b>	<b>3,800,000</b>	<b>3,800,000</b>	<b>18,800,000</b>
<u>Revenues</u>								
Road Maintenance Fee	22,382,000	8,772,000	2,662,000	2,662,000	2,762,000	2,762,000	2,762,000	13,610,000
General Fund Transfer	750,000	750,000	0	0	0	0	0	0
State C Funds	8,304,000	3,114,000	1,038,000	1,038,000	1,038,000	1,038,000	1,038,000	5,190,000
<b>Total Revenues</b>	<b>31,436,000</b>	<b>12,636,000</b>	<b>3,700,000</b>	<b>3,700,000</b>	<b>3,800,000</b>	<b>3,800,000</b>	<b>3,800,000</b>	<b>18,800,000</b>

# Countywide Dirt Road Surfacing

**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

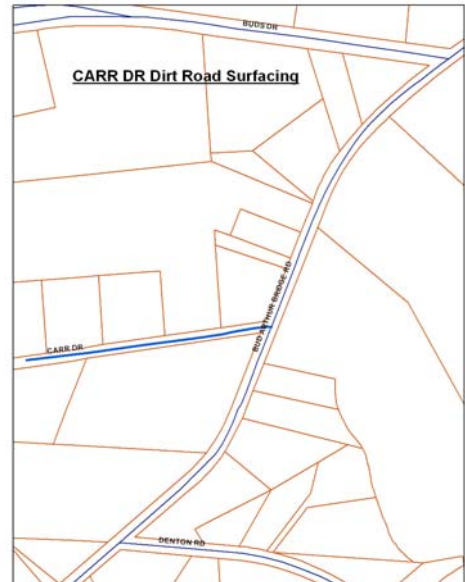
**Project Category:** Rehabilitation/Remediation

**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 2010/11: Carr Drive, Ridgeway Road
- FY 2011/12: Pruitt Drive, Indian Hill Lane
- FY 2012/13: June Bug Lane
- FY 2013/14: Riverside Drive, Marlette Road
- FY 2014/15: Foster Mill Cir., Wildflower Ln.



## 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 February 1, 2010)

Active project. Dirt Road Surfacing is complete for FY 2009/10, with paving completed on Ryan Road and Sandbar Road.

### Project Expenditures and Funding Sources

PROJECT	TOTAL	COMMITTED	FY	FY	FY	FY	FY	FY 2011-15
	PROJECT COST	FUNDING	2010/11	2011/12	2012/13	2013/14	2014/15	Totals
<b>Countywide Dirt Road Surfacing</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	1,017,000	350,000	99,000	107,000	151,000	160,000	150,000	667,000
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>1,017,000</b>	<b>350,000</b>	<b>99,000</b>	<b>107,000</b>	<b>151,000</b>	<b>160,000</b>	<b>150,000</b>	<b>667,000</b>
<u>Revenues</u>								
Road Maintenance Fee	892,000	310,000	99,000	107,000	66,000	160,000	150,000	582,000
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
<b>Total Revenues</b>	<b>1,017,000</b>	<b>350,000</b>	<b>99,000</b>	<b>107,000</b>	<b>151,000</b>	<b>160,000</b>	<b>150,000</b>	<b>667,000</b>

# Municipal Road Projects

**Requesting Department/Division:** Public Works/Roads and Bridges  
**Project Manager/Contact:** Mike Garrett/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 February 1, 2010)

Active project. Amount of funding available for distribution is now estimated at \$715,010.

### 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>Municipal Road Projects</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	6,152,800	2,150,000	784,700	792,500	800,500	808,500	816,600	4,002,800
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>6,152,800</b>	<b>2,150,000</b>	<b>784,700</b>	<b>792,500</b>	<b>800,500</b>	<b>808,500</b>	<b>816,600</b>	<b>4,002,800</b>
<u>Revenues</u>								
Road Maintenance Fee	6,152,800	2,150,000	784,700	792,500	800,500	808,500	816,600	4,002,800
<b>Total Revenues</b>	<b>6,152,800</b>	<b>2,150,000</b>	<b>784,700</b>	<b>792,500</b>	<b>800,500</b>	<b>808,500</b>	<b>816,600</b>	<b>4,002,800</b>

# Traffic Calming

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

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

**Project Category:** Rehabilitation/Remediation

**Project Status:** Previously in Operating Budget  
**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.



*Laurelwood Drive Traffic Calming*

## 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 2011-15.

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

Active project. Nine (9) projects have been approved in FY 2010/11 and will be installed when the weather is suitable for paving.

### Project Expenditures and Funding Sources

PROJECT	TOTAL	COMMITTED	FY	FY	FY	FY	FY	FY 2011-15
	PROJECT COST	FUNDING	2010/11	2011/12	2012/13	2013/14	2014/15	Totals
<b>Traffic Calming</b>								
<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	375,000	125,000	50,000	50,000	50,000	50,000	50,000	250,000
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>375,000</b>	<b>125,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>250,000</b>
<u>Revenues</u>								
General Fund Transfer	100,000	100,000	0	0	0	0	0	0
Road Maintenance Fee	275,000	25,000	50,000	50,000	50,000	50,000	50,000	250,000
<b>Total, Traffic Calming</b>	<b>375,000</b>	<b>125,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>250,000</b>

# Society Hill Road Improvements

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

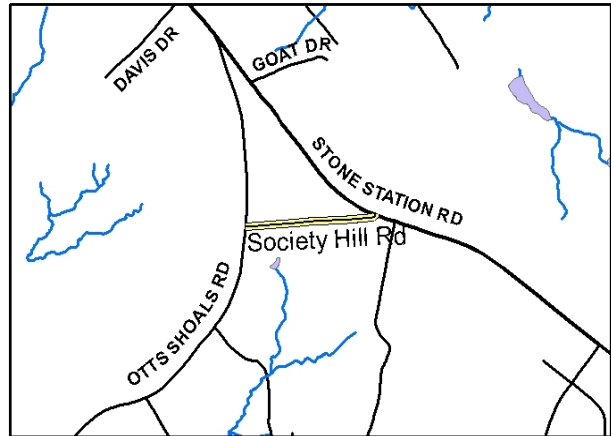
**Estimated Start Date:** July 2011  
**Est. Completion Date:** June 2012

**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 are scheduled for FY 2010/11, with construction taking place in FY 2011/12. 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 February 1, 2010)

Planned/Programmed project, with funding beginning FY 2010/11.

### Project Expenditures and Funding Sources

PROJECT	TOTAL	COMMITTED	FY	FY	FY	FY	FY	FY 2011-15
	PROJECT COST	FUNDING	2010/11	2011/12	2012/13	2013/14	2014/15	Totals
<b>Society Hill Road Improvements</b>								
<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	145,300	0	0	145,300	0	0	0	145,300
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>190,300</b>	<b>0</b>	<b>0</b>	<b>190,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>190,300</b>
<u>Revenues</u>								
Road Maintenance Fee	190,300	0	0	190,300	0	0	0	190,300
<b>Total Revenues</b>	<b>190,300</b>	<b>0</b>	<b>0</b>	<b>190,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>190,300</b>

# Westmoreland Road Widening

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

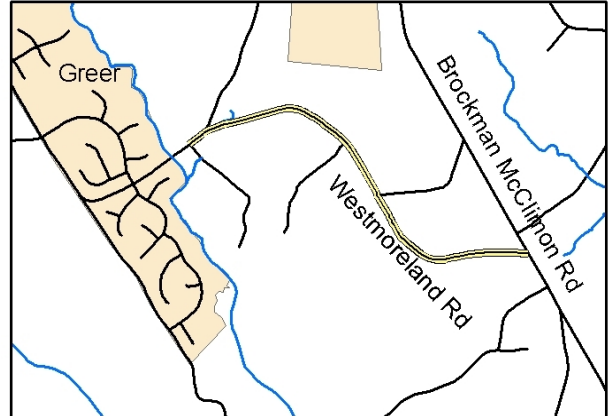
**Estimated Start Date:** July 2011  
**Est. Completion Date:** January 2013

**Project Category:** New Construction/Rehabilitation

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

## 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 for 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 February 1, 2010)

Planned project with funding beginning 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 2015/16	FY 2011-15 Totals
<b>Westmoreland Road Widening</b>									
<u>Expenditures</u>									
Planning/Design/Engineering	90,000	0	90,000	0	0	0	0	0	90,000
Land Acquisition/Right-of-Way	55,000	0	55,000	0	0	0	0	0	55,000
Construction/Improvements	745,000	0	0	745,000	0	0	0	0	745,000
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
<b>Total Expenditures</b>	<b>890,000</b>	<b>0</b>	<b>145,000</b>	<b>745,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>890,000</b>
<u>Revenues</u>									
Road Maintenance Fee	565,000	0	145,000	420,000	0	0	0	0	565,000
Storm Water Fund Transfer	25,000	0	0	25,000	0	0	0	0	25,000
State C Funds	300,000	0	0	300,000	0	0	0	0	300,000
<b>Total Revenues</b>	<b>890,000</b>	<b>0</b>	<b>145,000</b>	<b>745,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>890,000</b>

# Seay Road Widening

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

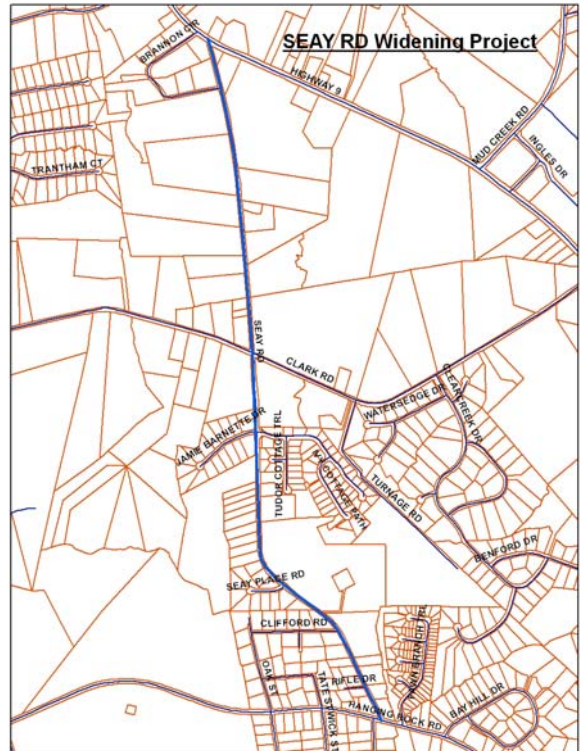
**Estimated Start Date:** July 2014  
**Est. Completion Date:** June 2015

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

**Project Status:** New Project Request  
**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 experienced 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 February 1, 2010)

New project request with funding planned for FY 2014/15 (planning and engineering). Construction is planned for FY 2015/16, beyond the five year capital improvement plan.

### 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 2015/16	FY 2011-15 Totals
<b>Seay Road Widening</b>									
<u>Expenditures</u>									
Planning/Design/Engineering	242,500	0	0	0	0	0	242,500	0	242,500
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	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
<b>Total Expenditures</b>	<b>242,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>242,500</b>	<b>0</b>	<b>242,500</b>
<u>Revenues</u>									
Road Maintenance Fee	242,500	0	0	0	0	0	242,500	0	242,500
<b>Total Revenues</b>	<b>242,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>242,500</b>	<b>0</b>	<b>242,500</b>

# Sterling Drive Extension

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

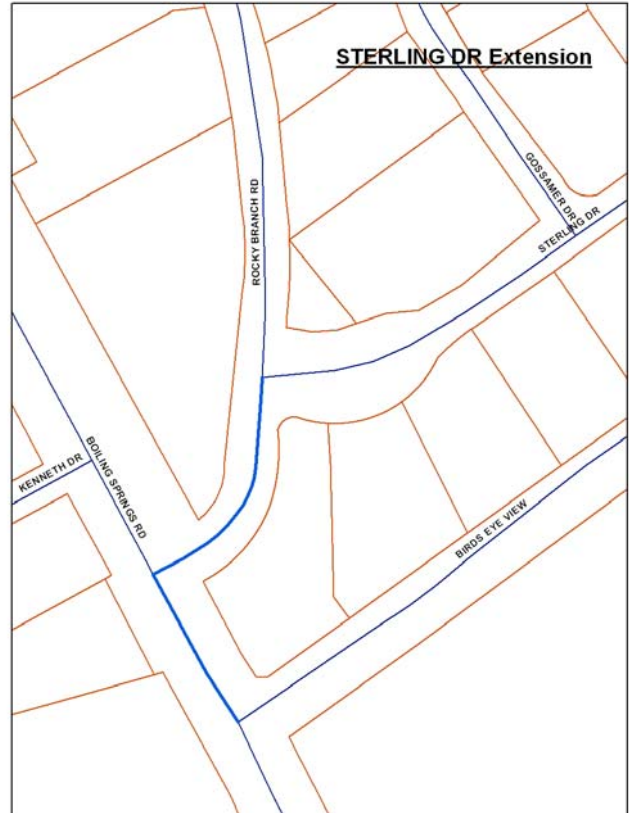
**Estimated Start Date:** July 2013  
**Est. Completion Date:** June 2014

**Departmental Priority:** Necessary  
**Project Category:** New Construction

**Project Status:** New Project Request  
**Project Number:** TBD

## 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 February 1, 2010)

This is a new project request, recommended to be fully funded in FY 2013/14.

## Project Expenditures and Funding Sources

PROJECT	TOTAL	COMMITTED	FY	FY	FY	FY	FY	FY 2011-15
	PROJECT COST	FUNDING	2010/11	2011/12	2012/13	2013/14	2014/15	Totals
<b>Sterling Drive Extension</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	30,000	0	0	0	0	30,000	0	30,000
Land Acquisition/Right-of-Way	30,000	0	0	0	0	30,000	0	30,000
Construction/Improvements	440,000	0	0	0	0	440,000	0	440,000
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>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>500,000</b>
<u>Revenues</u>								
Road Maintenance Fee	425,000	0	0	0	0	425,000	0	425,000
Storm Water Fund Transfer	75,000	0	0	0	0	75,000	0	75,000
<b>Total Revenues</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>	<b>0</b>	<b>500,000</b>

# 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

**Departmental Priority:** Urgent  
**Project Category:** New Construction

**Project Status:** New Project Request  
**Project Number:** TBD

## 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 February 1, 2010)

New project request with funding planned beginning in FY 2010/11 and continuing through FY 2014/15

### Project Expenditures and Funding Sources

PROJECT	TOTAL	COMMITTED	FY	FY	FY	FY	FY	FY 2011-15
	PROJECT COST	FUNDING	2010/11	2011/12	2012/13	2013/14	2014/15	Totals
<b>Sign Reflectivity Mandate</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	0	0	0	0	0	0	0	0
Capital Materials/Equipment	940,000	0	140,000	100,000	200,000	200,000	300,000	940,000
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>940,000</b>	<b>0</b>	<b>140,000</b>	<b>100,000</b>	<b>200,000</b>	<b>200,000</b>	<b>300,000</b>	<b>940,000</b>
<u>Revenues</u>								
Road Maintenance Fee	940,000	0	140,000	100,000	200,000	200,000	300,000	940,000
<b>Total Revenues</b>	<b>940,000</b>	<b>0</b>	<b>140,000</b>	<b>100,000</b>	<b>200,000</b>	<b>200,000</b>	<b>300,000</b>	<b>940,000</b>

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