

Overview of Public Works CIP

The Public Works FY 07–FY 12 CIP includes two separate sections: Roads and Bridges. In most years only the Board of Education CIP exceeds the Public Works CIP in the amount of funding.

Noteworthy are a number of road construction projects. These roads, including Monroe Avenue Phase I and II, should reduce traffic on congested State routes and intersections by providing local traffic alternatives.

Funding is included in the CIP for the construction of alternative roads in and around Westminster to reduce traffic on State Route 140 and to reduce the pressure on busy intersections in this corridor. A feasibility study was completed and provides a plan of alternatives for traffic heading north and south of Westminster.

Approximately \$7.5 million is appropriated in the FY 07 CIP for Overlays, Low Volume Road Improvements and Neighborhood Overlays to maintain roads throughout the County. The CIP also includes on-going bridge maintenance and replacement.

For additional information on these or other Public Works projects please refer to the individual project pages.

COMMUNITY INVESMENT PLAN FOR FISCAL YEARS 2007 TO 2012
Adopted

	Fiscal Year						Prior Allocation	Balance to Complete	Total Project Cost
	2007	2008	2009	2010	2011	2012			
ROADS:									
Boxwood Drive Extended	\$0	\$0	\$92,000	\$739,000	\$0	\$0	\$0	\$0	\$831,000
Highway Improvements	0	0	0	232,000	232,000	232,000	0	0	696,000
Low Volume Road Improvements	967,600	1,009,500	983,000	950,100	1,118,200	1,159,800	0	0	6,188,200
Monroe Avenue (Bennett to MD 32)	340,000	1,095,000	0	0	0	0	86,000	0	1,521,000
Monroe Avenue (Oklahoma to Bennett)	0	943,000	0	0	0	0	1,086,140	0	2,029,140
Neighborhood Overlays	1,387,600	1,255,300	1,363,200	1,248,400	1,219,200	1,439,000	0	0	7,912,700
Northern Area HS Road Overlays	90,000	939,000	0	0	0	0	0	0	1,029,000
Small Drainage Structures	5,175,800	4,381,600	4,112,800	4,344,800	4,098,200	4,489,000	0	0	26,602,200
	157,000	59,000	62,000	65,000	67,000	70,000	0	0	480,000
South Carroll Middle School Road	0	0	93,600	270,400	0	0	0	0	364,000
Traffic Calming	25,000	26,000	27,000	28,000	29,000	31,000	0	0	166,000
Traffic Signal Installation	33,000	35,000	36,000	38,000	40,000	43,000	0	0	225,000
Westminster Area Alternative Road Plan	0	0	0	200,000	2,200,000	2,200,000	4,000,000	30,023,434	38,623,434
ROADS TOTAL	\$8,176,000	\$9,743,400	\$6,769,600	\$8,115,700	\$9,003,600	\$9,663,800	\$5,172,140	\$30,023,434	\$86,667,674
SOURCES OF FUNDING:									
Transfer from General Fund	\$33,000	\$35,000	\$36,000	\$38,000	\$40,000	\$0	\$0	\$0	\$182,000
Property Tax	1,968,000	2,277,000	2,608,000	2,962,000	2,213,000	2,390,000	0	0	14,418,000
Bonds	5,999,000	7,255,400	3,949,600	4,939,700	6,574,600	7,097,800	5,172,140	30,023,434	71,011,674
Highway Administration	176,000	176,000	176,000	176,000	176,000	176,000	0	0	1,056,000
ROADS TOTAL	\$8,176,000	\$9,743,400	\$6,769,600	\$8,115,700	\$9,003,600	\$9,663,800	\$5,172,140	\$30,023,434	\$86,667,674

Boxwood Drive Extended

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Proj #

Functional Classification: Minor Collector

Average Daily Traffic: N/A

Length: 200 feet (approx.)

Limits: Northern terminus (Dogwood Drive) of Boxwood Drive to MD 88

This project provides planned funding for Boxwood Drive, in Hampstead, which will be extended from Dogwood Drive to MD Route 88. The extension of this segment would redirect some of the traffic off Dogwood Drive directly to MD 88. The construction estimate includes funding for road improvements, such as acceleration lanes and bypass lanes, on MD 88, as required by the MD State Highway Administration.

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design			92,000						92,000
Land Acquisition									0
Site Work				61,000					61,000
Construction				611,000					611,000
Equipment/Furnishings									0
Other				67,000					67,000

EXPENDITURES

TOTAL	0	0	92,000	739,000	0	0	0	0	831,000
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SOURCES OF FUNDS

Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds			92,000	739,000					831,000
Highway Administration									0
Highway User Revenue									0

PROJECTED OPERATING IMPACTS	0	0	0	0	0	0
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Highway Improvements

Deborah Effingham, Senior Budget Analyst (410) 386-2082

9674

This project provides planned funding to address roads and road intersections with a history of frequent or severe accidents, significant potential for accidents, or sites with inadequate levels of service. Among the possible improvements are changes in intersection geometry, turn lanes, signing, and marking. A future project will be developed for the installation of raised pavement markers on Medford, Stone Chapel, Marriottsville Road 2, and Sandymount Roads.

Other sites will be evaluated for future highway safety improvement projects.

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction				232,000	232,000	232,000			696,000
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	0	0	0	232,000	232,000	232,000	0	0	696,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds				232,000	232,000	232,000			696,000
Highway Administration									0
Highway User Revenue									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Low Volume Road Improvements

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8235

This on-going project provides funding for the repair or reconstruction of roads with average daily traffic of 500 or less. Low traffic counts tend to prevent low volume roads from receiving high priority ratings in the County's Road Surface Management System. Approximately 40% (or 390 miles) of the County's road network, including both subdivision and rural roads, are considered low volume. Subdivision road overlays are a separate project and include low volume roads within subdivisions. The following low volume roads will be addressed in the FY 07 budget:

- Backwoods Road - 2.44 miles - Estimated project cost of \$423,300
- Ebbvale Road - 2.0 miles - Estimated project cost of \$336,900
- Hughes Road - 0.67 miles - Estimated project cost of \$127,400

Roads planned for FY 08, though priorities may change based on future evaluations of road conditions, include:

- Franklinville Road - 1.26 miles - Estimated project cost of \$212,300
- Marston Road South - 0.78 miles - Estimated project cost of \$127,400
- Old Westminster Road - 1.55 miles - Estimated project cost of \$245,100
- Sams Creek Road - 0.80 miles - Estimated project cost of \$122,400
- Ridge Road - 1.26 miles - Estimated project cost of \$212,300

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	967,600	1,009,500	983,000	950,100	1,118,200	1,159,800			6,188,200
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	967,600	1,009,500	983,000	950,100	1,118,200	1,159,800	0	0	6,188,200
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds	967,600	1,009,500	983,000	950,100	1,118,200	1,159,800			6,188,200
Highway Administration									0
Highway User Revenue									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Monroe Avenue (Bennett to MD 32)

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8126

Functional Classification: Minor Collector
 Average Daily Traffic: N/A
 Length: 2,300 feet
 Limits: Extends Monroe Avenue to MD 32

This project, located in Eldersburg, provides funding for the second phase of the Monroe Avenue extension to complete the connection from MD Route 26 to MD Route 32. This connection creates an alternate route for local traffic in the northeast quadrant of the Freedom area allowing some traffic to avoid the heavily traveled area around the intersection of MD Routes 26 and 32.

Projected operating impacts include: maintenance, utility, and equipment costs.

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design							86,000		86,000
Land Acquisition	340,000								340,000
Site Work		90,000							90,000
Construction		905,000							905,000
Equipment/Furnishings									0
Other		100,000							100,000
EXPENDITURES									
TOTAL	340,000	1,095,000	0	0	0	0	86,000	0	1,521,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds	340,000	1,095,000					86,000		1,521,000
Highway Administration									0
Highway User Revenue									0
PROJECTED OPERATING IMPACTS	0	11,300	7,180	7,310	7,440	7,500			

Northern Area HS Road

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8237

Functional Classification: TBD

Average Daily Traffic: TBD

Length: TBD

Limits: TBD

This project provides funding for potential road improvements for the future Northern area high school, which is planned for construction in FY 08. As the site is unknown at this time, funding is included as an estimate for planning purposes only.

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	90,000								90,000
Land Acquisition									0
Site Work		78,000							78,000
Construction		776,000							776,000
Equipment/Furnishings									0
Other		85,000							85,000
EXPENDITURES									
TOTAL	90,000	939,000	0	0	0	0	0	0	1,029,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds	90,000	939,000							1,029,000
Highway Administration									0
Highway User Revenue									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Overlays

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8238

This project provides on-going funding for road overlays. Overlaying consists of deep milling and patching any failed areas, and applying a hot mix asphalt over the existing road. Standard size drainage structures will be replaced or added where necessary and traffic barriers will be installed for necessary safety improvements. Maintaining the roads with a strong overlay program delays or eliminates the need for much more costly road reconstruction projects. The planned funding in each year addresses the roads to be overlayed in that year, and the deep milling and patching to prepare for overlaying the roads scheduled for the next year.

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	130,000	130,000	130,000	130,000	130,000	130,000			780,000
Land Acquisition									0
Site Work									0
Construction	5,045,800	4,251,600	3,982,800	4,214,800	3,968,200	4,359,000			25,822,200
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	5,175,800	4,381,600	4,112,800	4,344,800	4,098,200	4,489,000	0	0	26,602,200

SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax	1,968,000	2,277,000	2,608,000	2,962,000	2,213,000	2,390,000			14,418,000
Bonds	3,031,800	1,928,600	1,328,800	1,206,800	1,709,200	1,923,000			11,128,200
Highway Administration	176,000	176,000	176,000	176,000	176,000	176,000			1,056,000
Highway User Revenue									0

PROJECTED OPERATING IMPACTS									
	0	0	0	0	0	0			0

FY 07-12 Overlay Schedule

	Miles	FY 07		FY 08		FY 09	
		Overlay	Patch	Overlay	Patch	Overlay	Patch
Baptist Road	3.60						
Bartholow Road	4.15	416,400					
Bethel Road	1.16				87,400	123,800	
Carrollton Road	5.30						
Center Street	1.23						
Chapel Road	1.27		92,900	124,900			
Coon Club Road	3.34						
Deep Run Road	6.78		495,900	771,900			
Englar Road	0.20		14,700	49,700			
Fairmount Road	2.74		200,400	283,600			
Freter Road	0.96	101,200					
Gaither Road	1.54	162,300					
Georgetown Blvd.	0.67				50,500	125,100	
Gillis Falls Road	4.36						338,300
Gist Road	1.51				113,800	177,200	
Gorsuch Road	5.85						
Grand Valley Road	1.79		131,000	203,800			
Hemlock Road West	0.76						59,000
Henryton Road	1.92						149,000
Hoffmanville Road	1.66				125,100	177,100	
Hollingsworth Road	0.77	61,800					
Houck Road	1.27				95,700	135,500	
Houcksville Road	3.86						
Hughes Shop Road	3.21						
Johnsville Road	2.03				204,900	362,700	
Kate Wagner Road	1.47						
Klees Mill Road	5.05	582,700					
Linton Road	1.57	165,400					
London Bridge Road	2.41	253,900					
Londontowne Boulevard	0.39				29,400	158,100	
Louisville Road	1.90	190,700					
Maple Grove Road	4.03						
Marriottsville Road No. 1	1.19				89,700	146,000	
Marriottsville Road No. 2	2.97						230,500
Miller Station Road	4.27		312,300	441,900			
Monroe Avenue	1.53	246,000					
Monroe Street	0.23		16,900	34,600			
Nicodemus Road	1.70		124,400	193,600			
Oakland Mills Road	1.03	103,400					
Old Bachmans Valley Rd.	1.16						
Old Liberty Road 3	0.13						
Old Hanover Road	3.85		281,600	458,200			
Progress Way	0.46	548,000					

FY 07-12 Overlay Schedule

		FY 07		FY 08		FY 09	
	Miles	Overlay	Patch	Overlay	Patch	Overlay	Patch
Reese Road	1.54				116,000	139,700	
Ridge Road	2.01						156,000
Upper Beckleysville Rd	1.90			241,300			
Salem Bottom Road	1.16						
Slacks Road	1.45				109,300	154,700	
Stoner Avenue	0.60		43,900	93,200			
Streaker Road	2.18				164,300	232,600	
Sullivan Road	4.81						
Trenton Mill Road	0.48						
Wesley Road	2.24				168,800	250,900	
Woodbine Road	6.29						488,100
ENGINEERING			130,000		130,000		130,000
CONTINGENCY		332,000	168,000			214,500	164,000
Total		\$3,163,800	\$2,012,000	\$2,896,700	\$1,484,900	\$2,397,900	\$1,714,900

FY 07-12 Overlay Schedule

	Miles	FY 10		FY 11		FY 12	
		Overlay	Patch	Overlay	Patch	Overlay	Patch
Baptist Road	3.60	711,500					
Bartholow Road	4.15						
Bethel Road	1.16						
Carrollton Road	5.30				436,300	615,700	
Center Street	1.23		143,200	290,800			
Chapel Road	1.27						
Coon Club Road	3.34				275,000	388,000	
Deep Run Road	6.78						
Englar Road	0.20						
Fairmount Road	2.74						
Freter Road	0.96						
Gaither Road	1.54						
Georgetown Road	0.67						
Gillis Falls Road	4.36	526,800					
Gist Road	1.51						
Gorsuch Road	5.85		140,300	694,100			
Grand Valley Road	1.79						
Hemlock Road West	0.76	83,500					
Henryton Road	1.92	242,500					
Hoffmanville Road	1.66						
Hollingsworth Road	0.77						
Houck Road	1.27						
Houcksville Road	3.86				317,800	448,400	
Hughes Shop Road	3.21		256,600	362,800			
Johnsville Road	2.03						
Kate Wagner Road	1.47		117,500	182,800			
Klees Mill Road	5.05						
Linton Road	1.57						
London Bridge Road	2.41						
Londontowne Boulevard	0.39						
Louisville Road	1.90						
Maple Grove Road	4.03				331,800	468,200	
Marriottsville Road No. 1	1.19						
Marriottsville Road No. 2	2.97	326,200					
Miller Station Road	4.27						
Monroe Avenue	0.97						
Monroe Street	0.23						
Nicodemus Road	1.70						
Oakland Mills Road	1.03						
Old Bachmans Valley Rd.	1.16		92,700	131,100			
Old Liberty Road 3	0.13					28,700	
Old Hanover Road	3.85						
Progress Way	0.46						

FY 07-12 Overlay Schedule

	Miles	FY 10		FY 11		FY 12	
		Overlay	Patch	Overlay	Patch	Overlay	Patch
Reese Road	1.54						
Ridge Road	2.01	231,800					
Upper Beckleysville Rd	1.90						
Salem Bottom Road	1.16		244,600	345,800			
Slacks Road	1.45						
Stoner Avenue	0.60						
Streaker Road	2.18						
Sullivan Road	4.81				396,000	558,800	
Trenton Mill Road	0.48				39,600	55,800	
Wesley Road	2.24						
Woodbine Road	6.29	880,400					
ENGINEERING			130,000		130,000		130,000
CONTINGENCY		154,100	63,100	89,300	75,000	205,000	1,590,400
Total		\$3,156,800	\$1,188,000	\$2,096,700	\$2,001,500	\$2,768,600	1,720,400

Small Drainage Structures

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9847

This on-going project provides funding to replace deteriorated drainage structures at locations throughout the County.

The next scheduled projects are sites on Sullivan Road, Sams Creek Road, Bethel Road, Hapes Mill Road, Bond Street, Sweet Air Lane, and Harrisville Road.

Additional funding is appropriated in FY 07 for Ridge Road and Fringer Road.

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	157,000	59,000	62,000	65,000	67,000	70,000			480,000
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	157,000	59,000	62,000	65,000	67,000	70,000	0	0	480,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds	157,000	59,000	62,000	65,000	67,000	70,000			480,000
Highway Administration									0
Highway User Revenue									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

South Carroll Middle School Road

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Proj. #

Functional Classification: TBD
 Average Daily Traffic: TBD
 Length: TBD
 Limits: TBD

This project provides planned funding for potential road improvements for the future new South Carroll area middle school, which is planned for construction in FY 10. As the site is unknown at this time, funding is included as an estimate for planning purposes only.

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design			93,600						93,600
Land Acquisition									0
Site Work									0
Construction				270,400					270,400
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	0	0	93,600	270,400	0	0	0	0	364,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds			93,600	270,400					364,000
Highway Administration									0
Highway User Revenue									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			

Traffic Calming

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9881

Traffic calming is the use of various measures to alter driver behavior and improve safety conditions for street users. Traffic calming solutions may include the use of roundabouts, traffic circles, speed bumps, and median barriers. These projects are requested as part of the traffic calming citizen request process which involves extensive public involvement.

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	25,000	26,000	27,000	28,000	29,000	31,000			166,000
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	25,000	26,000	27,000	28,000	29,000	31,000	0	0	166,000
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds	25,000	26,000	27,000	28,000	29,000	31,000			166,000
Highway Administration									0
Highway User Revenue									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0

Traffic Signal Installation

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9051

This on-going project provides funding for the County's share of traffic signal installations at various State and County intersections. Sites are selected based on accident history, geometry and levels of service at the intersection.

Following is a list of potential sites for traffic signal installation:

- Piney Ridge Parkway/MacBeth Way at the intersection with MD 32
- Progress Way and MD 32
- MD 97 and Old Hanover Road
- MD 140 and Bethel Road
- MD 26 at Calvert Way/Piney Ridge Parkway

Projected operating impacts include: utility costs.

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	33,000	35,000	36,000	38,000	40,000	43,000			225,000
Land Acquisition									0
Site Work									0
Construction									0
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	33,000	35,000	36,000	38,000	40,000	43,000	0	0	225,000
SOURCES OF FUNDS									
Transfer from General Fund	33,000	35,000	36,000	38,000	40,000				182,000
Local Income Tax									0
Property Tax									0
Bonds						43,000			43,000
Highway Administration									0
Highway User Revenue									0
PROJECTED OPERATING IMPACTS	1,200	1,240	1,270	1,310	1,350	1,390			

Westminster Area Alternative Road Plan

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9878

Functional Classification: Urban Collector (planned)
 Average Daily Traffic: N/A
 Length: TBD
 Limits: TBD

Based on a need to identify alternatives to travel on MD 140 in and around the Westminster area for local traffic, the Westminster Transportation Study identified specific improvements and alternative routes. Funding is provided in recognition of the need but no comprehensive plan or schedule for improvements has been approved. This project is a combination of two prior projects, Northern Parkway and Southern Parkway.

The funding identified below is the estimate provided by the engineering firm that completed the study. Their recommendation was for project completion by the mid-2020's. There will be further discussion as to the scope and timing of this project. Developer funding may be available which would reduce the total capital costs to the County.

	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design				200,000			250,000	1,783,312	2,233,312
Land Acquisition								1,477,000	1,477,000
Site Work									0
Construction					2,200,000	2,200,000	3,750,000	26,763,122	34,913,122
Equipment/Furnishings									0
Other									0
EXPENDITURES									
TOTAL	0	0	0	200,000	2,200,000	2,200,000	4,000,000	30,023,434	38,623,434
SOURCES OF FUNDS									
Transfer from General Fund									0
Local Income Tax									0
Property Tax									0
Bonds				200,000	2,200,000	2,200,000	4,000,000	30,023,434	38,623,434
Highway Administration									0
Highway User Revenue									0
PROJECTED OPERATING IMPACTS	0	0	0	0	0	0			0