

COMMUNITY INVESTMENT PLAN FOR FISCAL YEARS 2018 TO 2023

	2018	2019	2020	2021	2022	2023	Prior Allocation	Balance to Complete	Total Project Cost
<b>ROADS:</b>									
Bark Hill Additional Vehicle and Equipment Storage	\$0	\$0	\$0	\$206,500	\$0	\$0	\$0	\$0	\$206,500
Cape Horn Salt Storage Facility	109,400	911,670	0	0	0	0	0	0	1,021,070
Design Manual Update	250,000	0	0	0	0	0	0	0	250,000
Dickenson Road Extended	258,500	27,200	190,200	0	0	0	0	0	475,900
Freedom Avenue Sidewalk	123,280	85,220	799,530	0	0	0	0	0	1,008,030
Highway Safety Improvements	30,000	31,500	33,000	35,000	36,500	38,300	0	0	204,300
Hodges Vehicle and Equipment Storage	0	0	0	0	216,800	0	0	0	216,800
Market Street Extended	0	714,000	0	0	0	0	1,271,005	0	1,985,005
Pavement Management Program	11,685,000	12,210,000	12,660,000	13,120,000	13,770,000	14,375,000	0	0	77,820,000
Pavement Preservation	1,130,000	1,220,000	1,250,000	1,280,000	1,320,000	1,360,000	0	0	7,560,000
Ramp and Sidewalk Upgrades	75,000	75,000	75,000	75,000	75,000	75,000	0	0	450,000
Small Drainage Structures	150,000	160,000	170,000	180,000	190,000	200,000	0	0	1,050,000
Storm Drain Rehabilitation	235,000	235,000	285,000	335,000	300,000	300,000	0	0	1,690,000
Transportation Initiatives of Critical Concern	0	0	200,000	200,000	200,000	200,000	0	0	800,000
Transportation/State Projects	0	0	200,000	200,000	200,000	0	0	0	600,000
Winfield Vehicle and Equipment Storage	0	0	0	0	0	226,000	0	0	226,000
<b>ROADS TOTAL</b>	<b>\$14,046,180</b>	<b>\$15,669,590</b>	<b>\$15,862,730</b>	<b>\$15,631,500</b>	<b>\$16,308,300</b>	<b>\$16,774,300</b>	<b>\$1,271,005</b>	<b>\$0</b>	<b>\$95,563,605</b>

# Bark Hill Additional Vehicle and Equipment Storage

District Location: 1

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides planned funding for an additional storage shed at the Bark Hill Salt Storage facility, serving the northwest corner of the County.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design				32,700					32,700
Land Acquisition									0
Site Work				17,670					17,670
Construction				148,300					148,300
Equipment/Furnishings									0
Other				7,830					7,830
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>206,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>206,500</b>
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Cape Horn Salt Storage Facility

District Location: 2

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides funding to construct a new salt storage facility off Cape Horn Road in the Hampstead area.

*Potential operating impacts to be determined as the project develops.*

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	109,400	42,400							<b>151,800</b>
Land Acquisition									<b>0</b>
Site Work		479,700							<b>479,700</b>
Construction		369,000							<b>369,000</b>
Equipment/Furnishings									<b>0</b>
Other		20,570							<b>20,570</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>109,400</b>	<b>911,670</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,021,070</b>
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Design Manual Update

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides funding to review the 1994 Design Manual for Roads and Storm Drains and update the Manual to meet the current guidelines of the American Association of State Highway Officials (AASHTO), the Federal Highway Administration (FHWA), the MD State Highway Administration (SHA) and any other technical guidelines.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	250,000								<b>250,000</b>
Land Acquisition									<b>0</b>
Site Work									<b>0</b>
Construction									<b>0</b>
Equipment/Furnishings									<b>0</b>
Other									<b>0</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>0</b>

# Dickenson Road Extended

District Location: 5

Sheree Lima, Management and Budget Project Coordinator (410) 386-2082

Proj #

Functional Classification: Urban Local (planned)  
 Average Daily Traffic: TBD  
 Length: Approximately 130 feet  
 Limits: West Hemlock Drive west to end of property line

This project provides funding for the acquisition of land and the design and construction of the extension of Dickenson Road from the west side of West Hemlock Drive to the west end of the property being purchased. The project is part of a planned major street, Dickenson Road, and will connect to the current western terminus of Dickenson Road, which is located on the east side of West Hemlock Drive, north of MD 26 (Liberty Road).

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design		27,200							27,200
Land Acquisition	258,500								258,500
Site Work			13,600						13,600
Construction			135,900						135,900
Equipment/Furnishings									0
Other			40,700						40,700
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>258,500</b>	<b>27,200</b>	<b>190,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>475,900</b>
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			

# Freedom Avenue Sidewalk

District Location: 5

Sheree Lima, Management Budget and Budget Coordinator (410) 386-2082

Proj #

This project provides funding for a 1,650 foot sidewalk on the west side of Freedom Avenue, starting at approximately 230 feet south of Johnsville Road, at the terminus of an existing sidewalk, to the intersection of Hallford Street and Piney Ridge Drive. The project will provide a safe sidewalk connection to Piney Ridge Elementary School from the surrounding residential neighborhoods.

*This project is contingent on receiving grant funding. Eighty percent of design and construction costs are anticipated to be funded by the Safe Routes to School Program, administered by the Maryland Department of Transportation.*

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design		85,220							85,220
Land Acquisition	123,280								123,280
Site Work			628,547						628,547
Construction			117,127						117,127
Equipment/Furnishings									0
Other			53,856						53,856
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>123,280</b>	<b>85,220</b>	<b>799,530</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,008,030</b>
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			



# Hodges Vehicle and Equipment Storage

District Location: 5

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides planned funding for a storage shed at the Hodges Salt Storage facility, which serves the southeast corner of the County.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design					34,300				<b>34,300</b>
Land Acquisition									<b>0</b>
Site Work					18,600				<b>18,600</b>
Construction					155,700				<b>155,700</b>
Equipment/Furnishings									<b>0</b>
Other					8,200				<b>8,200</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>216,800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>216,800</b>
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			



# Market Street Extended

District Location: 3

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

8318

Functional Classification: Collector

Average Daily Traffic: TBD

Length: Approximately 1,400 feet

Limits: MD 140 to Old Westminster Pike

This project provides planned funding for the construction of a more direct connection to MD 140 from Old Westminster Pike. This connector will reduce traffic on Old Baltimore Road and the local streets that extend from Old Westminster Pike to Old Baltimore Road, and will provide redundancy in the road network. The connection to MD 140 will be located at the existing traffic signal at Market Street/Old Baltimore Road.

The prior allocation of \$1.3 million was for land acquisition.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition							1,271,005		1,271,005
Site Work		51,000							51,000
Construction		510,000							510,000
Equipment/Furnishings									0
Other		153,000							153,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>714,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,271,005</b>	<b>0</b>	<b>1,985,005</b>
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Pavement Management Program

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides ongoing funding for the maintenance, repair or rehabilitation of the County's 900 miles of paved roads. A pavement management software program is used to collect road condition information and to recommend the most cost-effective repair. Repair strategies include: patching, overlay, mill and overlay, full-depth reclamation, and reconstruction. Drainage structures will be replaced or added where necessary.

Approximately thirty-five percent of the County's road network is considered mainline or collector and arterial roads. These roads typically carry a higher traffic volume. Sixty-five percent is lower volume roads, including neighborhood roads.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	105,000	110,000	115,000	120,000	125,000	125,000			<b>700,000</b>
Land Acquisition									<b>0</b>
Site Work									<b>0</b>
Construction	11,050,000	11,550,000	11,970,000	12,400,000	13,020,000	13,600,000			<b>73,590,000</b>
Equipment/Furnishings									<b>0</b>
Other	530,000	550,000	575,000	600,000	625,000	650,000			<b>3,530,000</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>11,685,000</b>	<b>12,210,000</b>	<b>12,660,000</b>	<b>13,120,000</b>	<b>13,770,000</b>	<b>14,375,000</b>	<b>0</b>	<b>0</b>	<b>77,820,000</b>
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Pavement Preservation

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides ongoing funding to place a maintenance seal coat, such as microsurface, on various roads. Pavement preservation is applied to roads while they are still in good condition and before the onset of serious damage. Annual funding addresses approximately 30-40 miles.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	1,130,000	1,220,000	1,250,000	1,280,000	1,320,000	1,360,000			7,560,000
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>1,130,000</b>	<b>1,220,000</b>	<b>1,250,000</b>	<b>1,280,000</b>	<b>1,320,000</b>	<b>1,360,000</b>	<b>0</b>	<b>0</b>	<b>7,560,000</b>
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Ramp and Sidewalk Upgrades

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

8626

This project provides ongoing funding to upgrade or replace non-compliant sidewalk ramps for ADA accessibility. Non-compliant ramps and sidewalks are also addressed through the Pavement Management Program. As part of this process, A Self-Evaluation of Pedestrian Facilities Within County Rights-of-Way has been completed and will be used to develop a prioritized plan to address deficiencies.

This project will prioritize, plan, and address:

66.5 miles of sidewalk within the County right-of-way

855 curb ramps at various intersections

3,048 driveways and entrances considered part of the sidewalk network

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work	7,500	7,500	7,500	7,500	7,500	7,500			45,000
Construction	60,000	60,000	60,000	60,000	60,000	60,000			360,000
Equipment/Furnishings									0
Other	7,500	7,500	7,500	7,500	7,500	7,500			45,000
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>450,000</b>
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			

# Small Drainage Structures

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

9847

This project provides ongoing funding to repair or replace deteriorated drainage structures including culvert pipes, headwalls, and ancillary drainage features. Recently completed projects include Kridlers Schoolhouse Road, Lineboro Road, Grave Run Road, and Dr. Stitely Road pipe culvert replacements, Deep Run Road pipe slip-lining rehabilitation, and Wildorlyn Drive storm drainage system.

The Department of Public Works continues to incorporate all pipe culverts and drainage structures into the Geographic Information System (GIS). Once the locations are identified and mapped, field condition assessments can be made to help determine the most cost-effective approach to replacing and repairing these drainage structures.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design									0
Land Acquisition									0
Site Work									0
Construction	150,000	160,000	170,000	180,000	190,000	200,000			1,050,000
Equipment/Furnishings									0
Other									0
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>150,000</b>	<b>160,000</b>	<b>170,000</b>	<b>180,000</b>	<b>190,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>1,050,000</b>
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Storm Drain Rehabilitation

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

8627

This project, previously included as Storm Drain Inspections, provides ongoing funding to gather video camera data of the older metal storm drain pipes to assess their condition and determine if repairs or replacements are needed. Funding is included in FY 22 to begin needed repairs or replacement of existing storm drain pipes and structures and continues in FY 23.

The County maintains about 180 miles (or 950,000 feet) of storm drain infrastructure, mostly located in neighborhoods where curbing, inlets, and manholes exist. Many of the storm drain systems were constructed in the late 1960s and 1970s and may be reaching the end of their useful life.



Photograph of a deteriorated metal pipe.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design	135,000	135,000	135,000	135,000	50,000	50,000			<b>640,000</b>
Land Acquisition									<b>0</b>
Site Work									<b>0</b>
Construction	100,000	100,000	150,000	200,000	250,000	250,000			<b>1,050,000</b>
Equipment/Furnishings									<b>0</b>
Other									<b>0</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>235,000</b>	<b>235,000</b>	<b>285,000</b>	<b>335,000</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>1,690,000</b>
<b>PROJECTED OPERATING IMPACTS</b>	0	0	0	0	0	0			0

# Transportation Initiatives of Critical Concern

Sheree Lima, Management and Budget Project Coordinator (410) 386-2082

8629

This project provides planned funding for transportation projects of critical concern for Carroll County. These transportation projects will include, but may not be limited to, leveraging local funds for State Highway Administration projects located in Carroll County, funding completion of "last-mile" planned major street connections, and funding for other critical transportation projects identified in the Countywide Transportation Master Plan.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design			200,000	200,000	200,000	200,000			<b>800,000</b>
Land Acquisition									<b>0</b>
Site Work									<b>0</b>
Construction									<b>0</b>
Equipment/Furnishings									<b>0</b>
Other									<b>0</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>800,000</b>
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Transportation/State Projects

Sheree Lima, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides planned funding to support State road projects in Carroll County. Contributing County funding to State projects may expedite the planning process for completion of State roads in Carroll County.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design			200,000	200,000	200,000				<b>600,000</b>
Land Acquisition									<b>0</b>
Site Work									<b>0</b>
Construction									<b>0</b>
Equipment/Furnishings									<b>0</b>
Other									<b>0</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			



# Winfield Vehicle and Equipment Storage

District Location: 4

Heidi K. Pepin, Management and Budget Project Coordinator (410) 386-2082

Proj #

This project provides planned funding for a storage shed at the Winfield Salt Storage facility, serving the southwest corner of the County.

	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	Prior Allocation	Balance to Complete	Total Project Cost
Engineering/Design						34,800			<b>34,800</b>
Land Acquisition									<b>0</b>
Site Work						19,500			<b>19,500</b>
Construction						163,500			<b>163,500</b>
Equipment/Furnishings						8,200			<b>8,200</b>
Other									<b>0</b>
<b>EXPENDITURES</b>									
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>226,000</b>	<b>0</b>	<b>0</b>	<b>226,000</b>
<b>PROJECTED OPERATING IMPACTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>0</b>