

**THE CITY OF FREDERICK
CAPITAL IMPROVEMENT PROGRAM**

FY2012 - 2017



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THE CITY OF FREDERICK, MARYLAND

CAPITAL IMPROVEMENT PROGRAM

FY 2012 - 2017

PRJ. NO.	PROJECT NAME	TOTAL PROJECT	TOTAL CITY SHARE REQUIRED	CITY SHARE APPROVED TO DATE	CITY SHARE ONLY					
					FY 12	FY 13	FY 14	FY 15	FY 16	FY 17
GENERAL FUND FACILITIES										
110006	Joint Communications	1,000,000	1,000,000	0	1,000,000	0	0	0	0	0
120002	DPW Building A Roof Replacement	579,542	579,542	600,000	(20,458)	0	0	0	0	0
120003	New DPW Storage Building	1,000,000	1,000,000	0	0	1,000,000	0	0	0	0
ROADS										
310004	Monocacy Blvd./Rt 15 Interchange	2,250,000	2,250,000	1,000,000	0	0	0	1,250,000	0	0
310303	Gas House Pike Improvements	5,817,937	3,923,808	4,108,852	(185,044)	0	0	0	0	0
310304	Monocacy Blvd. - Central Section	51,799,119	51,569,406	15,189,406	0	0	0	0	13,880,000	22,500,000
320007	Opossumtown Pk./TJ Dr. Intersection Imps.	4,328,095	4,111,095	811,095	300,000	1,500,000	1,500,000	0	0	0
ROADSIDE INFRASTRUCTURE										
340000	Streetlight Upgrades	3,157,047	3,037,047	3,037,047	0	0	0	0	0	0
340005	Pedestrian Signal at US40 and Waverly Drive	68,052	68,052	68,052	0	0	0	0	0	0
340006	Streetlight Replacement - ARRA	455,494	250,346	250,346	0	0	0	0	0	0
340102	Sidewalk Retrofit	593,296	190,524	198,819	(8,295)	0	0	0	0	0
340401	New Traffic Signal Construction	1,144,420	1,144,420	634,420	30,000	225,000	30,000	225,000	0	0
340402	Traffic Light Conversion - ARRA	164,732	38,580	38,580	0	0	0	0	0	0
380001	Shared Use Path Plan Improvements	1,065,009	850,009	580,009	0	0	90,000	90,000	90,000	0
380006	Way Finding	640,000	360,000	360,000	0	0	0	0	0	0
PARKS										
410001	Carroll Creek Linear Park	23,069,000	16,372,502	16,122,502	250,000	0	0	0	0	0
410007	Riverside Center Park	1,570,530	1,453,050	843,000	0	0	0	610,050	0	0
410008	Walnut Ridge Park	381,607	381,607	387,971	(6,364)	0	0	0	0	0
410011	Avalon Park	384,000	384,000	0	0	0	384,000	0	0	0
410017	Clover Ridge Park	438,000	438,000	0	0	35,000	403,000	0	0	0
410024	Carrollton Park	73,316	73,316	90,000	(16,684)	0	0	0	0	0
411201	Hill Street Regional Park	3,804,453	2,980,303	2,988,107	(7,804)	0	0	0	0	0
411202	West Side Regional Park	19,289,000	18,400,000	18,000,000	0	0	200,000	200,000	0	0
450102	Grove Stadium Improvements	<u>4,100,000</u>	<u>2,100,000</u>	<u>2,100,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total General Fund:		<u>127,172,649</u>	<u>112,955,607</u>	<u>67,408,206</u>	<u>1,335,351</u>	<u>2,760,000</u>	<u>2,607,000</u>	<u>2,375,050</u>	<u>13,970,000</u>	<u>22,500,000</u>
Debt Funding			(90,250,104)	(53,900,104)	(650,000)	0	0	0	(13,200,000)	#####
Special Assessments			(3,676,805)	(3,676,805)	0	0	0	0	0	0
Impact Fees			<u>(843,000)</u>	<u>(843,000)</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
City Pay-As-You-Go			<u>18,185,698</u>	<u>8,988,297</u>	<u>685,351</u>	<u>2,760,000</u>	<u>2,607,000</u>	<u>2,375,050</u>	<u>770,000</u>	<u>0</u>

x - New project

THE CITY OF FREDERICK, MARYLAND

CAPITAL IMPROVEMENT PROGRAM

FY 2012 - 2017

PRJ. NO.	PROJECT NAME	TOTAL PROJECT	TOTAL CITY SHARE REQUIRED	CITY SHARE APPROVED TO DATE	CITY SHARE ONLY					
					FY 12	FY 13	FY 14	FY 15	FY 16	FY 17
<u>WATER AND SEWER FUND</u>										
<u>WATER</u>										
310304	Monocacy Blvd. - Central Section - Ph. II	8,714,000	8,714,000	7,014,000	0	0	0	0	1,100,000	600,000
360009	Water Distribution	11,931,350	11,928,133	12,705,000	(776,867)	0	0	0	0	0
360011	New Design Water Plant Expansion	51,750,000	51,750,000	51,750,000	0	0	0	0	0	0
360015	North Side Water Tank	4,150,000	2,150,000	150,000	0	0	2,000,000	0	0	0
360018	Water Loss Reduction	15,165,275	15,165,275	5,311,000	(145,725)	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
360022	Water Resource Project	13,033,255	12,973,255	5,068,000	(94,745)	0	8,000,000	0	0	0
360023	Ballenger Creek Interconnect	2,612,322	2,612,322	2,809,000	(196,678)	0	0	0	0	0
360024	Patrick Street Water Main Replacement	6,804,935	6,804,935	8,190,252	(1,385,317)	0	0	0	0	0
360025	Water and Sewer Security	220,000	220,000	220,000	0	0	0	0	0	0
360028	East Street Interchange Utilities	250,000	250,000	250,000	0	0	0	0	0	0
360029	Bowers/Whittier Connector Pipeline	4,486,782	4,486,782	4,486,782	0	0	0	0	0	0
360031	Fishing Creek Pipeline	13,580,000	13,580,000	80,000	0	1,000,000	12,500,000	0	0	0
360032	SCADA System	500,000	500,000	500,000	0	0	0	0	0	0
360033	Lake Linganore	429,900	429,900	29,900	0	200,000	200,000	0	0	0
360601	Watershed Land Acquisition	763,353	402,890	402,890	0	0	0	0	0	0
<u>SEWER</u>										
370003	Shookstown Interceptor Sewer	898,000	898,000	898,000	0	0	0	0	0	0
370007	Wastewater Flowmeter Replacement	520,000	520,000	320,000	0	0	200,000	0	0	0
370008	Gas House Pk. WWTP Expansion & Imp'ts.	71,373,551	56,373,551	11,241,000	9,132,551	500,000	27,000,000	8,500,000	0	0
370009	Ballenger-McKinney WWTP	17,483,000	17,483,000	2,683,000	14,800,000	0	0	0	0	0
370300	Inflow and Infiltration Reduction	<u>5,091,837</u>	<u>4,978,267</u>	<u>4,978,267</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Water and Sewer Fund:		<u>229,757,560</u>	<u>212,220,310</u>	<u>119,087,091</u>	<u>21,333,219</u>	<u>3,700,000</u>	<u>51,900,000</u>	<u>10,500,000</u>	<u>3,100,000</u>	<u>2,600,000</u>
	Debt Funding		(190,591,844)	(112,659,360)	(21,332,484)	0	(47,500,000)	(8,500,000)	(600,000)	0
	Special Assessments		(2,490,735)	(2,490,000)	(735)	0	0	0	0	0
	Impact Fees		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Pay-As-You-Go		<u>19,137,731</u>	<u>3,937,731</u>	<u>0</u>	<u>3,700,000</u>	<u>4,400,000</u>	<u>2,000,000</u>	<u>2,500,000</u>	<u>2,600,000</u>
<u>AIRPORT FUND</u>										
380051	FAA Part 77	856,000	12,000	12,000	0	0	0	0	0	0
380054	Airport Property Acquisitions	17,114,000	1,263,000	1,263,000	0	0	0	0	0	0
380062	Property Acquisition - Bowman's Farm	5,550,000	71,000	71,000	0	0	0	0	0	0
380065	Runway 5-23 and 30 Extension	3,396,000	45,000	0	0	0	0	0	9,000	36,000
380067	Bailes Lane Demolition and Site Work	10,168,200	129,228	13,000	5,228	44,000	39,000	28,000	0	0
380068	Acquire/Obstruction Removal - Waffle House	2,400,000	31,000	31,000	0	0	0	0	0	0
380071	Acquire Tulip Hill Houses	1,500,000	21,000	14,000	0	7,000	0	0	0	0
380077	Air Traffic Control Tower	4,832,462	0	650,000	(650,000)	0	0	0	0	0
x 380079	Localizer Antenna Replacement	<u>500,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Airport Fund:		<u>46,316,662</u>	<u>1,572,228</u>	<u>2,054,000</u>	<u>(644,772)</u>	<u>51,000</u>	<u>39,000</u>	<u>28,000</u>	<u>9,000</u>	<u>36,000</u>
	Debt Funding		0	(650,000)	650,000	0	0	0	0	0
	Special Assessments		0	0	0	0	0	0	0	0
	Impact Fees		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Pay-As-You-Go		<u>1,572,228</u>	<u>1,404,000</u>	<u>5,228</u>	<u>51,000</u>	<u>39,000</u>	<u>28,000</u>	<u>9,000</u>	<u>36,000</u>

x - New project

**THE CITY OF FREDERICK, MARYLAND
CAPITAL IMPROVEMENT PROGRAM
FY 2012 - 2017**

PRJ. NO.	PROJECT NAME	TOTAL PROJECT	TOTAL CITY SHARE REQUIRED	CITY SHARE APPROVED TO DATE	CITY SHARE ONLY					
					FY 12	FY 13	FY 14	FY 15	FY 16	FY 17
<u>PARKING FACILITIES FUND</u>										
380401	Parking Deck #4	18,319,136	14,044,136	14,150,000	(105,864)	0	0	0	0	0
380402	Parking Deck #5	12,250,000	12,250,000	12,250,000	0	0	0	0	0	0
380408	Site G Parking Garage	16,865,000	16,865,000	1,135,000	0	0	0	0	0	15,730,000
x 380413	Church Street Deck Rehab / Rebuild	<u>2,274,000</u>	<u>1,705,500</u>	<u>0</u>	<u>1,105,864</u>	<u>599,636</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Parking Facilities Fund:	<u>49,708,136</u>	<u>44,864,636</u>	<u>27,535,000</u>	<u>1,000,000</u>	<u>599,636</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>15,730,000</u>
	Debt Funding		(43,250,000)	(27,520,000)	0	0	0	0	0	#####
	Special Assessments		0	0	0	0	0	0	0	0
	Impact Fees		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Pay-As-You-Go		<u>1,614,636</u>	<u>15,000</u>	<u>1,000,000</u>	<u>599,636</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>STORM WATER FUND</u>										
350001	South Street Storm Drain	4,836,894	4,836,894	836,894	0	0	0	0	2,000,000	2,000,000
350020	Carroll Creek Flood Control Project	<u>55,905,005</u>	<u>23,145,438</u>	<u>21,895,438</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,250,000</u>	<u>0</u>	<u>0</u>
	Total Storm Water Fund:	<u>60,741,899</u>	<u>27,982,332</u>	<u>22,732,332</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,250,000</u>	<u>2,000,000</u>	<u>2,000,000</u>
	Debt Funding		(19,484,703)	(15,484,703)	0	0	0	0	(2,000,000)	(2,000,000)
	Special Assessments		(383,000)	(383,000)	0	0	0	0	0	0
	Impact Fees		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Pay-As-You-Go		<u>8,114,629</u>	<u>6,864,629</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,250,000</u>	<u>0</u>	<u>0</u>
	TOTAL CIP:	<u>513,696,906</u>	<u>399,595,113</u>	<u>238,816,629</u>	<u>23,023,798</u>	<u>7,110,636</u>	<u>54,546,000</u>	<u>14,153,050</u>	<u>19,079,000</u>	<u>42,866,000</u>

x - New project

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FOR FY 2012 -2017

CIP NUMBER: 110006

PROJECT NAME: Joint Communications

PROJECT MANAGER: FPD Technical Services Bureau Administrator

SCOPE

- Expansion of the Frederick County Emergency Communications Center to accommodate the relocation of Frederick Police Department communications staff.
- Procurement of hardware /software to accommodate consolidation of dispatch centers and utilization of single consolidated County/City radio network.

JUSTIFICATION:

FPD Radio Network Replacement

Both the City and County have expressed interest in sharing a combined digital radio network and are currently exploring the possibilities to attain this goal. The concept is based on the premise that the County's current radio network would be enhanced to accept the additional needs required by the Frederick Police Department. The County's current road map for improvement is based on the need of the Sheriff's Office and Fire/Rescue to improve "in-building" coverage that the current system lacks.

A combined radio network is only possible if the following conditions are met, (1) both parties agree; (2) the level of "in-building" coverage, of the new county radio network, significantly increases to the same high level of the current police UHF radio system, and (3) additional frequencies are obtained to accommodate the additional radio traffic. Should these conditions be met, resulting in a joint/combined radio network, considerable monetary savings would result for the City over building its own new 700/800 MHz network.

Consolidated Dispatch Center with Frederick County

A new communications center historically has been programmed in the agency's space needs study for a new police facility. The agency's current communications center is grossly over crowded. Frederick County's five (5) year old 9-1-1 Center has reached it capacity and requires additional space. This situation presents a unique opportunity to again revisit the idea of consolidating the City and County centers under one roof. Based on an expression of interest from both City and County elected officials Frederick County contracted with a consultant (RCC) to consider the feasibility of this concept. **At this stage an exact funding amount for the City's space cannot be accurately be projected until the two government bodies establish a cost sharing formula.**

What is known, based on the 2005 Frederick Police Department space needs study, by 2024 Frederick Police will require space for eight (8) dispatcher console positions and associated supervisory office. Mayor Holtzinger and Board of County Commissioners President Jan Gardner met on 03/25/2009 (along with other staff personnel from both the County and City) to discuss the proposal. Mayor Holtzinger pledged support of the concepts for both initiatives. Subsequently monies were allocated to the CIP project.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	-	-	-	-	-	-	-	-
EQUIPMENT	1,000.000	-	1,000.000	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	1,000.000	-	1,000.000	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	1,000.000	-	1,000.000	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	1,000.000	-	1,000.000	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Joint Communications

110006

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY2012 - 2017

CIP NUMBER: 120002

PROJECT NAME: DPW – Building A Roof Replacement

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

The 3,000 square foot standing seam metal roof over the fuel island will be repaired in spring of 2009.

The old roof on Building “E” was removed down to the metal deck, and an 8,600 sq ft. 4-ply build up roof system installed with modified type 3 asphalt and a flood and gravel surface. New installation included new insulation, metal flashing, and new gutters and downspouts.

Roof on Building “A” was replaced in 2006.

JUSTIFICATION:

The existing roof carries a 10-year warranty and was installed in May, 1991. This replacement and repair will eliminate the roof leaks ponding that are causing interior damage and prevent the further deterioration of the masonry caps.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	579.542	600.000	(20.458)	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	579.542	600.000	(20.458)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	579.542	600.000	(20.458)	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	579.542	600.000	(20.458)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

DPW Building A Roof Replacement

120002

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 120003

PROJECT NAME: New DPW Storage Building

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

This project is the design, purchase, and installation of a new 43,000 sq ft steel building in the DPW complex for use as a vehicle, equipment and material storage building. The project includes the construction of a 6-inch concrete floor slab, pouring concrete footers, and placing piers to support the building's frame structure at the site in the DPW Yard. Project will also include new electrical and water/sewer services.

JUSTIFICATION:

DPW presently stores vehicles and equipment outside, which become damaged by the weather by causing rust and other equipment failures. By having vehicles and equipment in covered storage, it will be easier to repair and maintain the equipment and therefore increase the life cycle of the equipment.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	100.000	-	-	100.000	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	900.000	-	-	900.000	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	1,000.000	-	-	1,000.000	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	1,000.000	-	-	1,000.000	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	1,000.000	-	-	1,000.000	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE		0	0	0	0	0
NET	0	0	0	0	0	0

DPW Storage Building

120003

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND - CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 310004

PROJECT NAME: Monocacy Blvd./ RT 15 Interchange

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

Complete a scoping meeting, begin planning process, develop plan for the construction of an interchange. The second phase will include the engineering and design of the project as prescribed in the planning process. A memorandum of understanding between the City, County and State was entered into in order to fund the design with SHA responsible for managing the design. City Staff will participate in meetings and provide data and input where applicable.

JUSTIFICATION:

Safety along US 15 will be enhanced by the construction of the interchange by eliminating at-grade crossings in the City of Frederick area. The connection will also provide a vital connection linking the east and west sides of the City of Frederick on the north side of town. This connection is expected to help alleviate congestion at the US 15 at Opossumtown Pike/Motter Ave interchange.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	1,750.000	1,000.000	-	-	-	750.000	-	-
LAND/R.O.W.	500.000	-	-	-	-	500.000	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	-	-	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	2,250.000	1,000.000	-	-	-	1,250.000	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	1,750.000	500.000	-	-	-	1,250.000	-	-
DEBT ISSUE	500.000	500.000	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	2,250.000	1,000.000	-	-	-	1,250.000	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Monocacy Blvd./Rt 15 Interchange

310004

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND- CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 310303

PROJECT NAME: Gas House Pike Improvements – Phase 1

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

The City of Frederick will reconstruct Gas House Pike from Monocacy Blvd eastward to the City boundary along Gas House Pike. This project results from the City's participation with a developer driven project to reconstruct Gas House Pike. The City will be responsible for frontage improvements along the Clustered Spires Golf Course, and for providing a shared access between the Golf Course and the adjacent property to the west. This project has been completed and it is being kept in the CIP in order to track Developer contributions as reimbursements are made from Riverside Corporate Park per the DRRA between the City and Riverside.

JUSTIFICATION:

This project will be funded partially by developer funding and partially by City of Frederick funds. The roadway widening is needed to accommodate the great increase in traffic as a result of development along the roadway.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	283.757	295.000	(11.243)	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	88.000	(88.000)	-	-	-	-	-
CONSTRUCTION	5,525.102	5,610.903	(85.801)	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	9.078	9.078	-	-	-	-	-	-
TOTAL EXPENDITURES	5,817.937	6,002.981	(185.044)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	94.903	144.123	(49.220)	-	-	-	-	-
DEBT ISSUE	3,828.905	3,964.729	(135.824)	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	1,894.129	1,894.129	-	-	-	-	-	-
TOTAL REVENUES	5,817.937	6,002.981	(185.044)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Gas House Pike Improvements

310303

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND-CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 310304

PROJECT NAME: Monocacy Boulevard Central Section

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

The design and construction of Monocacy Blvd Central Section which extends from Gas House Pike in the north to Hughes Ford Road in the south, including the design and construction of the bridge over Monocacy River, extension of Schifferstadt Blvd and East Church Street to connect with Monocacy Blvd., and the design and construction of the bridge over Carroll Creek. Monocacy Blvd in this section will be a four lane road with associated curb and gutter and sidewalks / bike paths. This project also includes completion of the Carroll Creek Flood Control Levee along Gas House Pike. Portions of the design/construction fronting the Nicodemus property shall be paid for by the property owner as stipulated in their annexation agreement. This project includes associated water and sewer infrastructure.

JUSTIFICATION:

This section of roadway will create an eastern loop for motorists to go around Frederick. It will relieve congestion in town and provide additional choices for motorists to travel without entering already congested arterials. The roadway will provide key relief needed for East Street as it begins to carry significantly more traffic in 2009 when the East Street extended project is complete along with the I-70 ramps to East Street.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	2,080.000	2,080.000	-	-	-	-	-	-
LAND/R.O.W.	9,512.000	7,500.000	-	-	-	-	2,012.000	-
UTILITIES	100.000	100.000	-	-	-	-	-	-
CONSTRUCTION	40,107.119	5,739.119	-	-	-	-	11,868.000	22,500.000
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	51,799.119	15,419.119	-	-	-	-	13,880.000	22,500.000

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	2,814.904	2,620.728	(485.824)	-	-	-	680.000	-
DEBT ISSUE	48,220.778	12,034.954	485.824	-	-	-	13,200.000	22,500.000
SPECIAL ASSESSMENT	533.724	533.724	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT - TIF	-	-	-	-	-	-	-	-
OTHER - Sale of Land/Dev.	229.713	229.713	-	-	-	-	-	-
TOTAL REVENUES	51,799.119	15,419.119	-	-	-	-	13,880.000	22,500.000

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Monocacy Blvd. - Central Section

310304

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 320007

PROJECT NAME: Opossumtown Pike / Thomas Johnson Drive Intersection Improvements

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

Widen northbound Opossumtown Pike to lengthen the left-turn and right turn bays at Thomas Johnson Drive. This will include relocation of utilities, reconstruction of sidewalk, and traffic signal modifications. Widen southbound Thomas Johnson Drive to install additional left-turn lane at Opossumtown Pike (to be completed by others).

JUSTIFICATION:

The intersection of Opossumtown Pike at Thomas Johnson Drive currently operates at a LOS F during peak periods. This project will greatly improve the intersection's operations. The project is also needed to correspond with the SHA project that will rebuild and widen the Opossumtown Pike/Motter Avenue Bridge over US 15. The SHA will provide a free right turn from the northbound US 15 ramp to northbound Opossumtown Pike at Thomas Johnson Drive. This will significantly reduce delay and congestion in the interchange area and at the intersection of Opossumtown Pike at TJ Drive.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	26.000	26.000	-	-	-	-	-	-
LAND/R.O.W.	702.000	202.000	500.000	-	-	-	-	-
UTILITIES	150.000	150.000	-	-	-	-	-	-
CONSTRUCTION	3,450.095	450.095	-	1,500.000	1,500.000	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	4,328.095	828.095	500.000	1,500.000	1,500.000	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	3,024.095	24.095	-	1,500.000	1,500.000	-	-	-
DEBT ISSUE	1,087.000	787.000	300.000	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	217.000	17.000	200.000	-	-	-	-	-
TOTAL REVENUES	4,328.095	828.095	500.000	1,500.000	1,500.000	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Opossumtown Pike/Thos. Johnson Intersection 320007

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 340000

PROJECT NAME: Streetlight Upgrade

PROJECT MANAGER: Superintendent of Lights/Signals

SCOPE:

This multi-year project allows the City's Street Light and Traffic Control Department to upgrade all streetlights currently powered by direct-bury series circuits. All of these streetlights will be converted to parallel circuits routed in conduit and their present lamp systems, both incandescent and high-pressure-sodium will be converted to QL induction lamps (low pressure mercury discharge). As a minimum, the City must procure materials and contracted services according to the following responsibilities:

City Provided Services: Management (project management, procurement, inspection), demolition (removal and disposal of existing pole bases), and installation (refurbish existing poles, pulling underground wires in conduit, install poles and heads).

Contractor Provided Services: Excavate existing direct-bury wire, trench and install new PVC conduits, fabricate new concrete pole bases, grade and seed, and repair any damaged surfaces.

During construction, this effort will affect residents as follows: 1) streetlights in specific project areas will be partially- or wholly inoperable for a short duration (approximately 45-90 days), and 2) installation of underground conduits and new pole bases will disturb the ground between the curb and sidewalk in front of some residences.

FY10 Pearl ST. from Carrollton Dr. to Center St., Carrollton Dr. Prospect to Catoctin., Birmingham Dr. in the court, Banksia Dr., Pinoak Pl, Whiteoak Pl., Mary St. from Norva to James St. and Charles St. as part of CIP 340000 (Streetlight Upgrades). The upgrading project shall consist of but not be limited to the furnishing and installing of approximately 71 concrete pole foundations (to include anchor bolts) 15,000 ft of 1-1/2" PVC conduit SCH 40, to be furnished and installed, 2,000' of trenching backfilling and compaction, restoration, 13,000' of boring, and 12 roadway boring @ 60' each.

Project for following years: Center St., Carrollton Dr., Burck St., Birmingham Dr., Catoctin Ave., Manor Ct., Logan St. and Loganberry Ct.

JUSTIFICATION:

The City's upgrade of the existing high-voltage, series street lighting circuits will improve system safety and availability, and will reduce operating and maintenance costs. This project also generally satisfies the direction set forth in the Frederick City Comprehensive Plan (Chapter 8) that recommends that the City increase its energy efficiency to reduce the overall consumption of energy.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	3,157.047	3,157.047	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	3,157.047	3,157.047	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	3,037.047	3,037.047	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	120.000	120.000	-	-	-	-	-	-
TOTAL REVENUES	3,157.047	3,157.047	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Streetlight Upgrades

340000

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND-CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 340005

PROJECT NAME: Pedestrian signal to cross US 40 at Waverley Drive

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

This project will construct a pedestrian countdown signal at the intersection of US 40 and Waverley Drive. The pedestrian controls will also require stopping US 40 Alternate to allow pedestrians the opportunity to cross the slip ramp from US 40 Alternate to US 40 eastbound. This will require a new signal on the slip ramp and an advance hazard identification overhead flashing warning sign. In addition, sidewalk reconstruction may be needed to complete the project. SHA will construct the improvements; the City will reimburse SHA for 50% of the cost.

JUSTIFICATION:

Safety along US 40 will be enhanced for pedestrians by the construction countdown pedestrian signals. The crosswalk and signal will create another way for pedestrians to cross US 40 at a controlled crosswalk rather than crossing mid-block.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	68.052	268.052	(200.000)	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	68.052	268.052	(200.000)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	68.052	68.052	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	200.000	(200.000)	-	-	-	-	-
TOTAL REVENUES	68.052	268.052	(200.000)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Pedestrian Signal at US40 and Waverly Drive

340005

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012- 2017

CIP NUMBER: 340006

PROJECT NAME: Streetlight Replacement - ARRA

PROJECT MANAGER: Superintendent of Lights/Signals

SCOPE:

This multi-year project allows the City's Street Light and Traffic Control Department to upgrade all streetlights currently powered by direct-bury series circuits. All of these streetlights will be converted to parallel circuits routed in conduit and their present lamp systems, both incandescent and high-pressure-sodium will be converted to QL induction lamps (low pressure mercury discharge). As a minimum, the City must procure materials and contracted services according to the following responsibilities:

City Provided Services: Management (project management, procurement, inspection), demolition (removal and disposal of existing pole bases), and installation (refurbish existing poles, pulling underground wires in conduit, install poles and heads).

Contractor Provided Services: Excavate existing direct-bury wire, trench and install new PVC conduits, fabricate new concrete pole bases, grade and seed, and repair any damaged surfaces.

The first round of construction will be the Carrollton area and will consist of installing approximately 71 concrete pole foundations (including anchor bolts); 13,500 feet of 1 ½" of PVC conduit; SCH 40 to be furnished and installed; 2000 feet of trenching, backfilling and compaction; restoration; 11,000 feet of boring; and ten roadway borings @ 60 feet each.

JUSTIFICATION:

The City's upgrade of the existing high-voltage, series street lighting circuits will improve system safety and availability, and will reduce operating and maintenance costs. This project also generally satisfies the direction set forth in the Frederick City Comprehensive Plan (Chapter 8) that recommends that the City increase its energy efficiency to reduce the overall consumption of energy.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	455.494	455.494	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	455.494	455.494	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	250.346	250.346	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	205.148	205.148	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	455.494	455.494	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Streetlight Replacement - ARRA

340006

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND- CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 340102

PROJECT NAME: Sidewalk Retrofit

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

This project is part of an on-going initiative to utilize State Highway Administration matching funds to construct sidewalks in urbanized areas along state highways. Funding sources vary in terms of the need for pedestrian improvements; either for safety or for access to transit facilities. Future sections will include missing links along the north and south sides of MD26 east of Monocacy Blvd to Waterside/Sebastian Ct, and the east and west sides of Baughman's Lane north of West Patrick Street. This project will address various sections each year depending on needs and SHA funding levels. New sidewalks, curbs, ramps, crosswalks, and walk lights will be constructed to create an integrated pedestrian handicap accessible network.

JUSTIFICATION:

Currently many gaps in sidewalk exist throughout the City of Frederick along state highways. This project will work to connect sidewalks, upgrade existing sidewalk in to meet ADA requirements for handicap accessibility, and to create new pedestrian access to transit facilities.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	43.500	43.500	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	549.796	550.481	(0.685)	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	593.296	593.981	(0.685)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	190.524	198.819	(8.295)	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	301.114	301.114	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	101.658	94.048	7.610	-	-	-	-	-
TOTAL REVENUES	593.296	593.981	(0.685)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Sidewalk Retrofit
Fund 306 - General CIP

340102

THE CITY OF FREDERICK, MARYLAND-CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 340401

PROJECT NAME: New Traffic Signal Construction

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

This project will provide funding for new traffic signals as the need arises throughout the year. It will also upgrade existing signals detection, controllers, interconnect capability, and will provide battery backup at key locations. This project will also include safety improvements to address pedestrian deficiencies at intersections.

Anticipated upcoming projects may include the following:

- E. Patrick St at Monroe Ave
- E. South St at S. East St – signal upgrades
- 7th St and Schley – pedestrian upgrades
- 9TH St and East St. - Equipment Upgrades
- 7TH St. and Tollhouse - Equipment Upgrades
- 7TH St and Fairview Ave - Equipment Upgrades
- South Market St and Clarke Pl -Equipment Upgrades
- Rosemont Ave and 2ND St - Equipment Upgrades
- Oppossumtown Pike and Rosehill Plaza - Equipment Upgrades
- Oppossumtown Pike and Amber Drive - Equipment Upgrades
- Patrick St and Catoctin Ave - Equipment Upgrades
- Center St at Madison Ave – utility pole relocates
- Center St at Washington St – utility pole relocates

JUSTIFICATION:

The objective of this project is to have funds available to construct new traffic signals and or enhance existing signals should the City's Engineering or Public Works Department determine the need. This provides the resources necessary for the City to respond promptly to traffic safety and efficiency issues that can be solved with new signals or improvements to existing signals and intersections.

This project is consistent with the 2004 City Comprehensive Plan Policies CF.3 – enhance public safety, T.1.2 – maintain a road network with a level of service D or better, T.7.7 – improve pedestrian safety problem areas downtown, and T.8 – maximize safety and efficiency through roadway improvements and design.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	150.000	70.000	-	40.000	-	40.000	-	-
LAND/R.O.W.	5.000	5.000	-	-	-	-	-	-
UTILITIES	5.000	5.000	-	-	-	-	-	-
CONSTRUCTION	984.420	554.420	30.000	185.000	30.000	185.000	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	1,144.420	634.420	30.000	225.000	30.000	225.000	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	1,144.420	634.420	30.000	225.000	30.000	225.000	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	1,144.420	634.420	30.000	225.000	30.000	225.000	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

New Traffic Signal Construction

340401

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND-CAPITAL IMPROVEMENTS PROGRAM FOR FY 2012 - 2017

CIP NUMBER: 340402

PROJECT NAME: Traffic Light Conversion - ARRA

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

This project will assist the City in reducing energy costs by replacing old incandescent light bulbs with light emitting diodes (LEDs) in traffic signals. There are currently 68 traffic signals to be replaced within the City's boundaries. All installation/labor will be completed by the City's Lighting Division with an expected completion date of one year after grant is received.

JUSTIFICATION:

The objective of this project is to reduce energy costs but will also add the following benefits:

- Traffic signals will work longer without failing. The typical led light will last from five to ten years while the incandescent light burns out at least once per year. This will reduce the City's maintenance costs as well as the price of incandescent bulbs.
- LED traffic signals are clearer, sharper and more distinct which creates a safer driving environment.
- This project is in compliance with the methodology provided in the Homeland Security Emergency Preparedness.
- All of the above factors are in compliance with the City's Comprehensive Plan.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	164.732	148.132	16.600	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	164.732	148.132	16.600	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	38.580	38.580	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	109.552	109.552	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	16.600	-	16.600	-	-	-	-	-
TOTAL REVENUES	164.732	148.132	16.600	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Traffic Light Conversion - ARRA

340402

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380001

PROJECT NAME: Shared Use Path Plan

PROJECT MANAGER: Deputy Director of Parks and Recreation

SCOPE:

This project is to provide a 10' Shared Use Path from Bentz Street through Baker Park to Route 15 and ultimately up to the Whittier development. It has been divided into three (3) phases.

Phase I: This phase involves the widening of the existing asphalt path in Baker Park and adjacent to Carroll Creek and extended from Fairview to Rosemont Ave.

Phase II: This phase involves the construction of a new path and tunnel underneath the southbound US15 ramps from Schifferstadt to the existing path in Waterford Park.

Phase III: The phase will follow Carroll Creek from US15 through several neighborhoods ultimately connecting the development of Whittier to the Carroll Creek and downtown Frederick.

JUSTIFICATION:

This would provide a connector of our Shared Use Path to the Rock Creek Trail and to the Whittier Development and allow for a more safe access for bicycles and pedestrians from the west to the east of US15.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	40.000	40.000	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	1,025.009	635.009	30.000	-	120.000	120.000	120.000	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	1,065.009	675.009	30.000	-	120.000	120.000	120.000	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	420.009	150.009	-	-	90.000	90.000	90.000	-
DEBT ISSUE	80.000	80.000	-	-	-	-	-	-
SPECIAL ASSESSMENT	350.000	350.000	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	215.000	95.000	30.000	-	30.000	30.000	30.000	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	1,065.009	675.009	30.000	-	120.000	120.000	120.000	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Shared Use Path Improvements

380001

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012- 2017

CIP NUMBER: 380006

PROJECT NAME: Way Finding Signage Program

PROJECT MANAGER: Director of Public Works

SCOPE:

The scope of this project is to identify old signs to be removed, design a new consistent signage program in conjunction with the state's Tourism Area and Corridor Sign Program (TAC) program, develop a plan to install and remove the signage in a coordinated effort in the downtown area.

JUSTIFICATION:

In the Fall of 2009 a new "gateway" into the City will be opened from I-70 via East Street, the tourism center will be relocated to a prominent location on East Street near the Transit Center, and the new signage will provide for better service to the visitors and residents alike who are coming into the city.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	640.000	640.000	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	640.000	640.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	360.000	360.000	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	280.000	280.000	-	-	-	-	-	-
TOTAL REVENUES	640.000	640.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Wayfinding

Fund 306 - General CIP

380006

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 410001

PROJECT NAME: Carroll Creek Linear Park

PROJECT MANAGER: Deputy Director of Parks & Recreation

SCOPE:

To construct Carroll Creek Park improvements along the 1.3 mile long flood control corridor through historic Downtown Frederick using the appointed Carroll Creek Task Force, urban design and engineering consultants, and construction firms as follows:

- (1) Schematic design, design development, and construction documents and specifications for the creekscape improvements along Carroll Creek Park including but not limited to lighting, landscaping, planters, furniture, pedestrian and bicycle facilities, street crosswalks, and water features, etc
- (2) Prepare Carroll Creek Park Overlay District Development Design Regulations for all properties along Carroll Creek Park and the adjacent properties on S. East Street to ensure the highest quality design, materials, character, function, and aesthetics of infill development as called for in the City Comprehensive Plan and small area plans - Carroll Creek Master Plan and Phase I East Street Corridor Plan;
- (3) Construct public park improvements as called for in the 1991 Carroll Creek Master Plan and the 2003 Carroll Creek Park Schematic Design.

JUSTIFICATION:

The City of Frederick seeks “to complete a creekside park through historic Frederick, providing unique opportunities for commercial, residential, cultural and recreational development, enhancing the quality of life for the entire Frederick community (1991 CC Master Plan).” Recently completed public improvements along Carroll Creek in downtown Frederick include the first \$10.69 million phase of park, \$65 million flood control project, extension of East Street, construction of MARC station and rail service, renovation and expansion of the C. Burr Artz Library, and expansion of the Court House.

Private development of key opportunity sites along Carroll Creek Park and East Street together with construction of public park improvements along the length of the park is critical to bring the vision to fruition. The park improvements are to be completed through public and private participation. Private contributions from owners and developers of adjacent property are critical to the overall financing of the park improvements. The City has a unique opportunity to create a vital public space in downtown Frederick that is valued by and accessible to everyone in the community. Currently more than \$155 million in private investment is planned or underway along Carroll Creek Park. Public/private partnership to complete the park will provide development opportunities, create jobs and services and enhance the tax base of the City. It is estimated that more than 1,500 jobs will be created along the park.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	4,659.300	4,659.300	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	18,272.700	18,122.700	(150.000)	100.000	100.000	-	100.000	-
EQUIPMENT	137.000	137.000	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	23,069.000	22,919.000	(150.000)	100.000	100.000	-	100.000	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	250.000	-	250.000	-	-	-	-	-
DEBT ISSUE	13,329.421	13,329.421	-	-	-	-	-	-
SPECIAL ASSESSMENT	2,793.081	2,793.081	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	4,662.000	4,662.000	-	-	-	-	-	-
COUNTY GRANT	900.000	1,000.000	(400.000)	100.000	100.000	-	100.000	-
OTHER	1,134.498	1,134.498	-	-	-	-	-	-
TOTAL REVENUES	23,069.000	22,919.000	(150.000)	100.000	100.000	-	100.000	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Carroll Creek Linear Park

410001

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 410007

PROJECT NAME: Riverside Center Park

PROJECT MANAGER: Deputy Director of Parks & Recreation

SCOPE:

This is a phased project for this existing park that will ultimately provide an access road and parking spaces as well as additional multi-use field space for activities. The park resides entirely in the 100-year flood plain so obtaining environmental permit is a critical step in the design approval process.

- New asphalt parking lot – 100 spaces, 7” pavement thickness
- Fill-in of existing borrow pit area (370,900 sf) and grade for new multi-purpose playing field use
- Reconfiguration of large existing storm water management outfall previously built by the Wal-Mart developer on northern side of the project to increase efficiency of pond outfall flow
- New pavilion 80’ long x 40’ wide (4” thick concrete floor, wood post support system) with thirty-two (32) recessed lights.
- A standard multi-aged playground tot-lot that meets all playground safety standards.
- Install field lighting on four (4) existing field and new fields being built in this phase.

JUSTIFICATION:

This project serves two purposes. We can use the borrow pit / pond as a rubble fill, thus saving the landfill costs and when complete the new filled area can be used for ball fields, which are much needed. This is a perfect location - no residential area to disturb and the park provides plenty of parking.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	86.000	86.000	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	874.480	874.480	-	-	-	-	-	-
EQUIPMENT	610.050	-	-	-	-	610.050	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	1,570.530	960.480	-	-	-	610.050	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	610.050	-	-	-	-	610.050	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	843.000	843.000	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	117.480	117.480	-	-	-	-	-	-
TOTAL REVENUES	1,570.530	960.480	-	-	-	610.050	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Riverside Center Park
Fund 306 - General CIP

410007

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 410008

PROJECT NAME: Walnut Ridge Park

PROJECT MANAGER: Deputy Director of Parks & Recreation

SCOPE:

The scope of this project includes the design and construction of the following features of this park: 80-space parking lot located on the south side of the property with separate entrance and exit, three (3) single table pavilions, a multi-aged playground unit meeting all standard playground safety specifications, a softball diamond with backstop, safety fences, two (2) 15' players benches and 65' bases on base path, and a rugby field with goals and benches.

This will be a community park that services the community of Walnut Ridge. The rugby field will be the first of its kind in Frederick and will give the City's rugby team a legitimate home field for matches and practices.

JUSTIFICATION:

Planned park for this community.

NOTE: This park is complete except for Phase II which consists of a multi-aged playground and three (3) single table pavilions. The park should be on line by the fall of 2009, giving sufficient time for the turf to mature.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	0.275	1.000	(0.725)	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	381.332	386.971	(5.639)	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	381.607	387.971	(6.364)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	18.607	24.971	(6.364)	-	-	-	-	-
DEBT ISSUE	363.000	363.000	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	381.607	387.971	(6.364)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Walnut Ridge Park

410008

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 410011

PROJECT NAME: Avalon Park

PROJECT MANAGER: Deputy Director of Parks & Recreation

SCOPE:

The scope of this project includes the design and construction of the following features in this park: 19-space parking lot with one (1) handicapped space and one (1) entrance/exit off of Waverly Drive; a multi-aged playground unit meeting all standard playground safety specifications; 750 linear feet of 4' path connecting all park features; two (2) single table picnic pavilions; five (5) lighted tennis courts with 8' high chain link fence for an estimated 510 linear feet and water fountains.

This park will serve as a tennis facility for the City. We have promised the community for the last eight (8) years that we would build another tennis complex to help alleviate the heavy use of our courts at Baker Park. When you build courts in batteries of five (5) or more (which is commonly recommended by the NRPA), this enables us to hold tennis tournament and teach lessons at this site.

JUSTIFICATION:

Planned park for this community.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	30.000	-	-	-	30.000	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	354.000	-	-	-	354.000	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	384.000	-	-	-	384.000	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	384.000	-	-	-	384.000	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	384.000	-	-	-	384.000	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Commons of Avalon Park
Fund 306 - General CIP

410011

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 410017

PROJECT NAME: Clover Ridge Park

PROJECT MANAGER: Deputy Director of Parks & Recreation

SCOPE:

This park plan has been approved by the Parks & Recreation Commission for this approximately 30-acre park. The design consists of two (2) tot lots, open space, soccer field, little league field, 34-space parking lot and three (3) small pavilions.

JUSTIFICATION:

Required parkland for Clover Ridge development.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	35.000	-	-	35.000	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	403.000	-	-	-	403.000	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	438.000	-	-	35.000	403.000	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	438.000	-	-	35.000	403.000	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	438.000	-	-	35.000	403.000	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Clover Ridge Park

410017

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 410024

PROJECT NAME: Carrollton Park

PROJECT MANAGER: Deputy Director of Parks & Recreation

SCOPE:

To remove both the two (2) tennis courts and one (1) basketball court at Carrollton Park. In this process, convert the tennis to basketball giving that neighborhood two (2) quality basketball courts. This project would consist of removal of existing courts completely. The new courts would consist of new blacktop base, goals, fencing and lighting. Also adding a new play unit in place of the “Mother Hubbard” shoe slide.

JUSTIFICATION:

Currently the existing courts are in bad shape. The tennis courts get barely any play, however the basketball court is still used excessively. The “Friends Of” group has repeatedly asked for upgrades to this park.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	73.316	90.000	(16.684)	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	73.316	90.000	(16.684)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	73.316	90.000	(16.684)	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER - Impact Fee	-	-	-	-	-	-	-	-
TOTAL REVENUES	73.316	90.000	(16.684)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Carrollton Park
Fund 306 - General CIP

410024

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 411201

PROJECT NAME: Hill Street Regional Park – Phase IV

PROJECT MANAGER: Deputy Director of Parks & Recreation

SCOPE:

The scope of this project has changed recently with the concept idea of the Mayor's West Side Regional Park. It was agreed upon by staff and the Parks & Recreation Commission at a meeting on January 17, 2007 that the water park originally designed to be at Hill Street Park be moved to the West Side Regional Park. There, parking could be better handle the demand and alleviate an already stressed parking situation at Hill Street Park. The completion of Phase IV for Hill Street Park would consist of a 1,400 square foot building to house a concession area, ticket sales area for staff, bathrooms and storage for the Skate Park. The design was to be completed in FY09 with construction in the future.

JUSTIFICATION:

There was a facility always designed for Hill Street Park to house all three (3) needed areas – concessions, skate admission and bathhouse. This facility will also have storage for park equipment.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	181.453	188.107	(6.654)	-	-	-	-	-
LAND/R.O.W.	815.000	815.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	2,783.000	2,783.000	-	-	-	-	-	-
EQUIPMENT	25.000	25.000	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	3,804.453	3,811.107	(6.654)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	139.303	147.107	(7.804)	-	-	-	-	-
DEBT ISSUE	2,841.000	2,841.000	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	822.350	822.000	0.350	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	1.800	1.000	0.800	-	-	-	-	-
TOTAL REVENUES	3,804.453	3,811.107	(6.654)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Hill Street Regional Park Phase III and IV

411201

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 411202

PROJECT NAME: West Side Regional Park

PROJECT MANAGER: Deputy Director of Parks & Recreation

SCOPE:

The City of Frederick has purchased a large tract of land, 148 acres, on the west side of town to provide the following elements: numerous lighted sports fields, adequate parking, community center, police substation, indoor aquatic center, water park and DPW Annex. There will be upgrades made to the Butterfly Lane / Route 180 intersection helping overall traffic flow. The first phase is for The City of Frederick to rough in some basic playing fields and at the same time, develop a Comprehensive Park Plan to accommodate all the planned elements of the park.

JUSTIFICATION:

The City has great neighborhood and community parks throughout the City. But there is a serious need for a large regional park to satisfy the need for the larger amount of youth and adult sport leagues and field space requests. The City, with a population of 60,000, should also have an indoor aquatic center, which is the second most requested facility from the citizens.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	889.000	889.000	-	-	-	-	-	-
LAND/R.O.W.	18,000.000	18,000.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	400.000	-	-	-	200.000	200.000	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	19,289.000	18,889.000	-	-	200.000	200.000	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	400.000	-	-	-	200.000	200.000	-	-
DEBT ISSUE	18,000.000	18,000.000	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	889.000	889.000	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	19,289.000	18,889.000	-	-	200.000	200.000	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

West Side Regional Park
Fund 306 - General CIP

411202

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 450102

PROJECT NAME: Grove Stadium Improvements

PROJECT MANAGER: Facilities Administrator

SCOPE:

Upgrade Harry Grove Stadium to be in full compliance with NAPBL standards, to meet ADA and other building codes, to improve fan amenities, and to upgrade the physical condition of the stadium. Projects completed to date include the new field lighting and field replacement (\$420K). Ongoing projects scheduled for completion in the summer 2009 completion include ADA upgrades, including new rest rooms elevator and stairwell, new scoreboard and video boards with signage, and a new audio sound system. Various repairs and updating finishes will also be completed.

JUSTIFICATION:

Opened in 1990, the City owned Harry Grove Stadium was initially considered state-of-the-art for minor league facilities. But due to limited funding many programmed areas were abbreviated or eliminated. In 2000, due to a need to be in full compliance with NAPBL standards, need for compliance with ADA and other building code requirements, a need to perform an overall improvement of fan amenities, and a need to upgrade the physical condition of the stadium. The master plan with cost estimates was developed to make improvements of three categories: spectator, fan amenities, and maintenance/repair.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	800.000	800.000	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	3,300.000	3,300.000	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	4,100.000	4,100.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	100.000	100.000	-	-	-	-	-	-
DEBT ISSUE	2,000.000	2,000.000	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	2,000.000	2,000.000	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	4,100.000	4,100.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Grove Stadium Improvements

450102

Fund 306 - General CIP

THE CITY OF FREDERICK, MARYLAND-CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 310304

PROJECT NAME: Monocacy Boulevard Central Section

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

The design and construction of Monocacy Blvd Central Section which extends from Gas House Pike in the north to Hughes Ford Road in the south, including the design and construction of the bridge over Monocacy River, extension of Schifferstadt Blvd and East Church Street to connect with Monocacy Blvd., and the design and construction of the bridge over Carroll Creek. Monocacy Blvd in this section will be a four lane road with associated curb and gutter and sidewalks / bike paths. This project also includes completion of the Carroll Creek Flood Control Levee along Gas House Pike. Portions of the design/construction fronting the Nicodemus property shall be paid for by the property owner as stipulated in their annexation agreement. This project includes associated water and sewer infrastructure.

JUSTIFICATION:

This section of roadway will create an eastern loop for motorists to go around Frederick. It will relieve congestion in town and provide additional choices for motorists to travel without entering already congested arterials. The roadway will provide key relief needed for East Street as it begins to carry significantly more traffic in 2009 when the East Street extended project is complete along with the I-70 ramps to East Street.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	8,714.000	7,014.000	-	-	-	-	1,100.000	600.000
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	8,714.000	7,014.000	-	-	-	-	1,100.000	600.000

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	1,100.000	-	-	-	-	-	500.000	600.000
DEBT ISSUE	7,614.000	7,014.000	-	-	-	-	600.000	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	8,714.000	7,014.000	-	-	-	-	1,100.000	600.000

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Monocacy Blvd. - Central Section - Ph. II

310304WS

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360009

PROJECT NAME: Water Distribution Upgrades

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

This project will require: the hiring of a design/builder to complete the City's Water distribution system improvements per The City's Water and Sewer Master Plan (Chester 2000 & Dayton-Knight 2006). The design-builder will complete the design and construct the water main improvements, provide traffic control, public information notices, permits, easements, permanent patching and/or mill-overlay and restoration of all work sites per City specifications. The work areas are to include:

1. South Street (FY 2008)
2. Commerce Street- 12" Water(FY 2008)
3. Wyngate (FY 2009)
4. Motter Avenue (FY 2009)
5. Sagner, Pennsylvania, Bernard & South Street work that was transferred from CIP #360019 (FY 2010 or with the South Street Storm Work)
6. Complete Storm Drainage work along East Patrick (FY 2010/2011)
7. Dill Avenue replace and extend to Upper Coll. Terr. (FY13)
8. Carrollton Area Cul-de-sac replacements (FY13)
9. Rosemont-move services on 4" to 6" and de-commission 4" main (FY13)
10. Relocate 10" mains across Hood College Property (FY14)
11. Replace 10" main on N. Bentz from 7th to W. Patrick Street (FY14)
12. N. Jefferson St. from W. Patrick – Carroll Pkwy
13. Replace galvanized line B&O. Ave
14. Abandon line in rear of 300 302 304 E.3rd. and install new service lines from street to houses.

JUSTIFICATION:

The above improvements are recommended in the Water Master Plans (Chester 2000 & Dayton-Knight 2006) and are necessary based on current hydraulic modeling of the City's water distribution system and best management practices.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	534.291	748.000	(213.709)	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	11,397.059	11,957.000	(559.941)	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	11,931.350	12,705.000	(773.650)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	140.252	144.204	(3.952)	-	-	-	-	-
DEBT ISSUE	11,252.146	12,025.796	(773.650)	-	-	-	-	-
SPECIAL ASSESSMENT	535.735	535.000	0.735	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	3.217	-	3.217	-	-	-	-	-
TOTAL REVENUES	11,931.350	12,705.000	(773.650)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Water Distribution

360009

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360011

PROJECT NAME: New Design Water Plant Expansion

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

The scope of this project includes City funding of a proportionate share of the design, easement acquisition and construction of County owned water supply infrastructures defined below. This project will allow the County to provide the City with 8 MGD Maximum potable water from the Potomac source as is defined by the Potomac River Water Supply Agreement.

Transmission Main: (est. completion 2011) The 42” transmission main (5 phases) will begin at the New Design Plant (capacity of 32MGD, 24 County/8 City), reducing to a 36” main near Frederick Junction, and extending to a proposed elevated tank and pump station near the County’s Fire Training Center. From the pump station, a 24” main will connect to the City’s water distribution system at Reich’s Ford Road. A SCADA controlled 12” bi-directional Magnetic Flow Meter will be located at the City limits. Appropriate chemical feed will be located near the connection. The County is managing this project, with technical input from the City.

WTP Expansion: (FY 2005-2010) This is anticipated to provide a capacity of 8 MGD to the City. This capacity will be provided in a phased approach, which will be determined by the County.

City/County High Zone Connection: Includes a 16” water main between the County’s Hannover Tank and the City’s Butterfly Lane Tank. Approximately 9,500 linear feet of pipeline, along with associated water meter, SCADA, valves, hydrants and fittings. This project will be cost shared with the County, however the cost share formula has not been established. This connection is needed to transfer water from the Potomac Source directly to the City High Zone, and recommended in a Hydraulic Memo prepared by WRA, dated June 13, 2003.

JUSTIFICATION:

As outlined in the City of Frederick Comprehensive Plan, adopted in 2004, the City has adopted an “Expanding Horizon” growth scenario, one in which the population of the City is anticipated to double to 104,000 by the year 2030. Current water supplies are not sufficient to meet this level of growth. This was exacerbated by the drought conditions of 2002. Partnering with the County on this project ensures the City an adequate supply of potable water for the foreseeable future.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	1,835.000	1,835.000	-	-	-	-	-	-
LAND/R.O.W.	715.000	715.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	49,200.000	49,200.000	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	51,750.000	51,750.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	-	-	-	-	-	-	-	-
DEBT ISSUE	51,750.000	51,750.000	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	51,750.000	51,750.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

New Design Water Treatment Plant

360011

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360015

PROJECT NAME: North Side Water Tank

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

This project requires that land be acquired, a design be produced and a contractor be hired for the construction of 1,500,000 Gallon steel, above ground, potable water storage tank, SCADA controls and ~ 2200 linear feet of 20” transmission main to connect to a 20” water main along Thomas Johnson drive (assuming Hayward Road BOE site). The work will need to be coordinated and be completed before the traffic circle installation at the intersection of Thomas Johnson Drive and Hayward Road. The design must contain all permits (MDE, local building, air traffic, electrical and all others that are necessary to the project) and must contain traffic control plans, public notification plans, staging, shipping, crane lift process and all construction procedures to produce a finished working product that meets the City of Frederick operations and engineering standards per the timeline established in the most recent Water Master Plan.

JUSTIFICATION:

This project has been hydraulically modeled and is recommended in the 2006 Dayton-Knight Water Master Plan and has been recommended in the 2000 Chester Water/Sewer Master Plan.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	650.000	150.000	-	500.000	-	-	-	-
LAND/R.O.W.	1,000.000	-	1,000.000	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	2,500.000	-	-	500.000	2,000.000	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	4,150.000	150.000	1,000.000	1,000.000	2,000.000	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	2,150.000	150.000	-	-	2,000.000	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	1,000.000	-	-	1,000.000	-	-	-	-
OTHER	1,000.000	-	1,000.000	-	-	-	-	-
TOTAL REVENUES	4,150.000	150.000	1,000.000	1,000.000	2,000.000	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

North Side Water Tank
Fund 602 - Water and Sewer CIP

360015

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360018

PROJECT NAME: Water Loss Reduction

PROJECT MANAGER: Asst. Deputy Director for Operations

SCOPE:

This project is an ongoing 2-phase project. Phase I will be a completion (and ongoing) of a study of The City of Frederick water distribution system to identify the parts of this system that either are or have a high probability of losing water through leaks. The study will provide recommendations for corrective actions, cost estimates and prioritization. Phase II will implement the corrections based on the annual level of funding. This will include but not limited to replacement of main, services, metering, leak detection, etc. The area covered is any part of the Cities distribution system.

JUSTIFICATION:

DPW estimated that up to 21% of its treated water was lost through leaks. A goal of 10% has been established by MDE and adopted as part of the City's Strategic Interim Water Management Plan – Policy D-2, consistent with Comprehensive Plan Objectives 8 – 11, and the Chester Water and Sewer Master Plan.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	1,119.275	965.000	(145.725)	300.000	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	14,046.000	4,346.000	-	1,700.000	2,000.000	2,000.000	2,000.000	2,000.000
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	15,165.275	5,311.000	(145.725)	2,000.000	2,000.000	2,000.000	2,000.000	2,000.000

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	10,000.001	128.600	(128.599)	2,000.000	2,000.000	2,000.000	2,000.000	2,000.000
DEBT ISSUE	5,165.274	5,182.400	(17.126)	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	15,165.275	5,311.000	(145.725)	2,000.000	2,000.000	2,000.000	2,000.000	2,000.000

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Water Loss Reduction
Fund 602 - Water and Sewer CIP

360018

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360022

PROJECT NAME: Water Resource Project

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

Develop new permanent water sources for the City of Frederick potable supply system in order to increase or obtain additional water supply. Construct new water supply infrastructure needed to supplement the City's existing sources of the supply during the next 2 –5 years. These sources consist of new production wells, surface water intake structure modifications, treatment modifications or expansions, pipelines or other infrastructure which may be necessary to integrate these new sources of supply into the water distribution system. Several components have already been constructed. These new sources were previously identified and prioritized by CIP # 360013, Water Resources Developments & Optimization. The projects include:

- Comparison of permanently installing the Zenon WTP at the Monocacy Treatment site to treat groundwater versus modifying the Monocacy WTP to allow treatment in the existing plant. (Completed Study-WATEK-2008)
- Locate, identify and abandon existing wells at various locations in the City. (Completed FY09)
- Develop the high producing well (TW-1) in the vicinity of the airport. (As Budget Allows)
- Design Modifications to existing Monocacy Water Treatment Plant (MWTP) to treat well field water blended w/Monocacy River water. (FY 2010)
- Construct the designed modifications to the MWTP (FY2010/12)

JUSTIFICATION:

Current water supplies are not sufficient to meet the level of growth as projected and adopted in the 2004 Comprehensive Plan. This was exacerbated by the drought conditions of 2002. This project is part of an ongoing effort to identify and develop new water sources for the City.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	2,076.000	2,076.000	-	-	-	-	-	-
LAND/R.O.W.	86.000	86.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	10,754.000	2,754.000	-	-	8,000.000	-	-	-
EQUIPMENT	36.000	36.000	-	-	-	-	-	-
MISCELLANEOUS	81.255	176.000	(94.745)	-	-	-	-	-
TOTAL EXPENDITURES	13,033.255	5,128.000	(94.745)	-	8,000.000	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	-	-	-	-	-	-	-	-
DEBT ISSUE	12,973.255	5,068.000	(94.745)	-	8,000.000	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	60.000	60.000	-	-	-	-	-	-
TOTAL REVENUES	13,033.255	5,128.000	(94.745)	-	8,000.000	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Water Resource Project

360022

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360023

PROJECT NAME: Ballenger Creek Interconnect

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

Design and construction of approximately 2,200 feet of 24-inch water transmission main and associated chemical enhancement facility to allow the transfer of 2.0 to 4.0 million gallons per day (MGD) of potable water from Frederick County water system to Frederick City water distribution system by October 2008 as planned in the Optimization phase of the New Design Water Plant Expansion Project – CIP 360011. Total system must be constructed to transfer and treat 1.5 MGD initially and 5.0 MGD (8 MGD Maximum) in future. Project completion and testing by July 2012.

JUSTIFICATION:

As outlined in the City of Frederick Comprehensive Plan, adopted in 2004, the City adopted an “Expanding Horizon” growth scenario, one in which the population of the City is anticipated to double to 104,000 by the year 2030. There was concern that existing and future water supplies would not be sufficient to meet this level of growth. As part of the current Water Master Plan update (CIP 360017), future expansion based on previous planning documents (2000 Chester WMP, 2006 Potomac River Water Supply Agreement) is being evaluated to ensure growth does not outstrip current and future water supplies.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	221.000	221.000	-	-	-	-	-	-
LAND/R.O.W.	100.000	100.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	2,285.322	2,482.000	(196.678)	-	-	-	-	-
EQUIPMENT	6.000	6.000	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	2,612.322	2,809.000	(196.678)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	100.000	100.000	-	-	-	-	-	-
DEBT ISSUE	2,512.322	2,709.000	(196.678)	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	2,612.322	2,809.000	(196.678)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Ballenger Creek Interconnect

360023

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360024

PROJECT NAME: Patrick Street Water Main Replacement

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

This project consists of hiring a design-builder to complete all of the required technical analysis and design for the complete replacement of existing small diameter water mains along Patrick Street with a 16” water main. There will be approximately 8000 linear feet of new 16” pipeline installed, along with associated valves, hydrants, fittings and the replacement of existing house connections within the project areas. The consultant will be responsible for controlling traffic, public notification and the negotiation and execution of all required permits from MDE, Frederick Soil Conservation District, The State Highway Administration District 7 and The City Eng. Department.

Phase 1 – from Jefferson to Bentz Street (FY 2007) Completed

Phase 2 – between Court Street and Carroll Street (FY 2009)

Phase 3 – between Wisner Street and Franklin Street (FY2010)

Phase 4 – from Monroe Street to Monocacy Blvd. (FY 2008)

JUSTIFICATION:

The above improvements are recommended in the Water Master Plans (Chester 2000 & Dayton-Knight 2006) and are necessary based on current hydraulic modeling of the City’s water distribution system. This heavy main will allow the Potomac Water to more efficiently be distributed across the downtown district.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	114.683	1,500.000	(1,385.317)	-	-	-	-	-
LAND/R.O.W.	80.000	80.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	6,610.252	6,610.252	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	6,804.935	8,190.252	(1,385.317)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	-	-	-	-	-	-	-	-
DEBT ISSUE	6,804.935	8,190.252	(1,385.317)	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	6,804.935	8,190.252	(1,385.317)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Patrick Street Water Main Replacement

360024

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360025

PROJECT NAME: Water and Sewer Security

PROJECT MANAGER: Superintendent of Water Treatment

SCOPE:

To determine and implement security improvements to The City of Frederick Water and Sewer System based on the recommendations of the Environmental Protection Agency (EPA) required Vulnerability Assessment of The City of Frederick Water Treatment Plants (WTP's) that was completed (2003) by the City of Frederick Water Treatment Superintendent. Our plan is to implement security measures at The City of Fredericks' Wastewater Treatment Plant (WWTP) based on the same Assessments. At a minimum this project will require: (1) The study of what type of WTP/WWTP security measures will be needed; (2) The development of the specifications to prepare a bid for a security product and installation of the product; (3) The selection of a contractor to install/purchase the security product and obtain a Frederick County Building and Soil Erosion Permit if applicable; and (4) Installation of the security product.

JUSTIFICATION:

This project is consistent with and supported by the 2004 City Comprehensive Plan Policy CF .3- enhance public safety and emergency preparedness, and Policy CF.5- provide a safe and efficient water and sewer service to protect the health, growth and well-being of The City of Frederick.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	220.000	220.000	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	220.000	220.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	220.000	220.000	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	220.000	220.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Water and Sewer Security

360025

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND-CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360028

PROJECT NAME: East Street Interchange Utilities

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

This project supports CIP No. 310133, East Street Extended – Phase 2 which is the extension of East Street, on a new alignment, from East South Street to the future I-70/Walser Drive interchange, for a distance of approximately 0.42 miles.

This project and funding is the estimated City's share to State Highway Administration (SHA) for engineering costs and relocation costs for relocating City utilities that will be in conflict with the future I-70/Walser Drive interchange and East Street extension.

JUSTIFICATION:

The SHA's East Street project will necessitate relocation of and installation of City utilities. As a part of the agreement with the SHA to construct East Street the City agreed to pay for the utility work.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	50.000	50.000	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	200.000	200.000	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	250.000	250.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	250.000	250.000	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	250.000	250.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:	REVENUE						
	EXPENSE						
	NET	0	0	0	0	0	0

East Street Interchange Utilities

360028

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360029

PROJECT NAME: Bowers-Whittier-Bowman Connector Pipelines

PROJECT MANAGER: Deputy Director of Public Works – Operations

SCOPE:

Design and construction of approximately 15,000 feet of 16-inch water transmission main along Bowers Road and Kemp Lane to connect the Bowers and Whittier storage tanks. To include acquisition of all necessary permits and easements.

Design-build and construction of approximately 1200 feet of 12 inch transmission connection loop to the Linganore Transmission Main. This project is to include the acquisition of all necessary permits and easements. Design and construct the necessary SCADA to operationally tie these tanks together and determine a list of priorities to upgrade the associated pump stations.

JUSTIFICATION:

The tank connector pipeline is necessary to provide redundancy and operational backup to the Whittier storage tank in the event of operational difficulties. If the Whittier tank becomes non-operational for any reason, there is no back up for supply in the area. This is particularly important for future development expected in the 595 high zone. The Bowman's connector pipeline provides a transmission loop to the Linganore transmission main. Both of these projects are recommended in the 2006 Water Master Plan by Dayton & Knight.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	5.690	5.690	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	4,480.498	4,480.498	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	0.594	0.594	-	-	-	-	-	-
TOTAL EXPENDITURES	4,486.782	4,486.782	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	76.000	76.000	-	-	-	-	-	-
DEBT ISSUE	4,410.782	4,410.782	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	4,486.782	4,486.782	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Rocky Spgs/Bowers Rd Wtr Transmission Main 360029

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360031

PROJECT NAME: Fishing Creek Pipeline

PROJECT MANAGER: Deputy Director of Public Works – Operations

SCOPE:

This project provides for constructing approximately 31,700 feet of 18-inch water main from Fishing Creek Reservoir to the Lester Dingle Treatment Plant. The water main is intended to replace the existing pipeline between the reservoir and the plant. Project Phasing is discussed below.

1. Identify ownership of easements; locate main w/GPS Technology. (Completed by FY 2010)
2. Engineering- preliminary design (FY2011)
3. Obtain access rights of way and easements, engineering. (FY 2013)
4. Clear easement and pipeline alignment, construct pipeline. (FY 2014 - ?)

JUSTIFICATION:

The existing pipeline is a 12-inch/18-inch diameter, lead-jointed cast iron pipe constructed in ~1899. The pipe is exposed in areas, corroded and subject to leakage and damage due to its original placement and alignment. Replacement will provide for a more dependable source of water from the reservoir. This project is recommended in the 2006 update to the Water Master Plan by Dayton & Knight Ltd.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	125.000	25.000	-	100.000	-	-	-	-
LAND/R.O.W.	155.000	55.000	-	100.000	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	13,300.000	-	-	800.000	12,500.000	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	13,580.000	80.000	-	1,000.000	12,500.000	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	1,080.000	80.000	-	1,000.000	-	-	-	-
DEBT ISSUE	12,500.000	-	-	-	12,500.000	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	13,580.000	80.000	-	1,000.000	12,500.000	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Fishing Creek Pipeline

360031

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360032

PROJECT NAME: SCADA System

PROJECT MANAGER: Superintendent of Water & Sewer Facilities Maintenance

SCOPE:

To make all necessary improvements to the existing SCADA (Supervisory Control and Data Acquisition) System that will enhance the operability, security, and management of our water treatment and distribution/collection system.

The work anticipated will address communications infrastructure, hardware replacements/modifications, new I/O devices for additional monitoring, control, and security, adding HMI (Human Machine Interface) clients to management areas, etc. In some cases, these activities will be coordinated with improvements or construction of new facilities as determined by each individual project.

The initial phase includes the hiring of a consultant to develop a “basis for design” report. A prioritized list of improvements will then be developed. The design and construction of the improvements then will follow. The basis for design documents may be developed in-house due to associated project timelines.

JUSTIFICATION:

The existing SCADA System is substandard when considering available technology and expectations with regard to operability and security. The improvements indicated in the scope are pursuant to the recommendations in the current “Water Master Plan” and will improve our ability to treat and deliver quality water to the citizens of the City of Frederick; public safety and health is the primary goal.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	100.000	100.000	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	400.000	400.000	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	500.000	500.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	500.000	500.000	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	500.000	500.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

SCADA System

360032

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360033

PROJECT NAME: Lake Linganore Silt Removal

PROJECT MANAGER: Deputy Director of Public Works – Operations

SCOPE:

The intent of this project is for the City to fund its proportionate share of the removal of silt from the Lake Linganore Water Reservoir and to establish a long-term maintenance/funding plan to address silt build-up. The 2002 estimate for the below work was in the ~\$4.5M range, without the inclusion of land acquisition. The December 2002, Whitman Requardt Study details the lost volume of storage capacity due to siltation. The City is also working with the County on a study by USGS to get a more accurate determination of the volume of silt accumulation. The actual work scope will likely include the following:

1. Develop a memorandum of understanding between the City and the Lake Linganore Association (LLA) as to responsibilities and funding.
2. Establish the method by which we'll remove the silt. Hire consultants where necessary for design/permitting.
3. Secure necessary permits.
4. Establish a site for the de-watering of the silt.
5. Develop the removal plan for the dewatered silt.
6. Hire a contractor to remove the silt to the de-watering site.
7. Hire a contractor to re-establish and stabilize the de-watered silt and to stabilize the Lake embankments/silt inflow channels.
8. Develop an agreed upon maintenance/finance plan between the City and The LLA to address the periodic future silt build-ups.

JUSTIFICATION:

As outlined in the 2002 Whitman Requardt Study, Lake Linganore has lost nearly 100 million gallons of storage capacity (currently ~15 days of City water usage). In order to restore this ability to withstand periods of little to no rain, it is essential that we return the Lake to its original volume. With the ability to make releases from Lake Linganore of adequate flow volumes by the LLA, the flow by requirement for the Linganore Creek WTP may not be able to be met under low flow conditions. If the flow-by requirement cannot be met, this will limit the capacity of the Linganore WTP.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	429.900	29.900	-	200.000	200.000	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	-	-	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	429.900	29.900	-	200.000	200.000	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	429.900	29.900	-	200.000	200.000	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	429.900	29.900	-	200.000	200.000	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Lake Linganore

360033

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 360601

PROJECT NAME: Watershed Land Acquisition

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

This project funds the annual acquisition of available property within the Frederick City watershed as land becomes available to purchase.

JUSTIFICATION:

Not all properties within the Frederick City watershed are owned by the City. Various properties, which are located within the watershed, directly affect the City's water quality because of their location. The City pursues the acquisition of these properties as they become available to purchase.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	52.216	52.216	-	-	-	-	-	-
LAND/R.O.W.	696.990	696.990	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	13.147	13.147	-	-	-	-	-	-
EQUIPMENT	1.000	1.000	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	763.353	763.353	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	402.890	402.890	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	360.463	360.463	-	-	-	-	-	-
TOTAL REVENUES	763.353	763.353	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Watershed Land Acquisition

360601

602 - Water & Sewer Fund

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 370003 & 320004

PROJECT NAME: Shookstown Road Improvements & Shookstown Sewer Interceptor

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

These projects are combined to facilitate simultaneous construction only. The requirements of these projects will include the hiring of an Engineer to design construction plans to widen approximately 1400' of 2 lane road way, from Willowdale to Lake Coventry, to a 4 lane minor arterial un-divided roadway with standard City Street amenities (curb, drainage, sidewalk, trees, lighting). There will be no sidewalk installed along the Ft. Detrick property on the North side. The design consultant will assist the City in property acquisition where needed. Additional deliverables from the designer will include the extension of water and sewer along the project area, stormwater control ,electric utility relocation, traffic control plan and coordination with the Waverly-View Design Team (Waverly View PND 11/26/02), for their portion of the roadway improvements. After the design is complete the City will hire a contractor to install the improvements. Construction is expected to begin in Mid-2009 and be completed by July 2011.

JUSTIFICATION:

The project is necessary because of the failed Lake Coventry Subdivision developer funded project. The City will complete the work and have it partially funded from performance bonds.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	43.000	43.000	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	305.000	305.000	-	-	-	-	-	-
CONSTRUCTION	550.000	550.000	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	898.000	898.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	398.000	398.000	-	-	-	-	-	-
DEBT ISSUE	500.000	500.000	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	898.000	898.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Shookstown Interceptor Sewer

370003

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 370007

PROJECT NAME: Wastewater Flowmeters

PROJECT MANAGER: Deputy Director of Public Works – Operations

SCOPE:

A jointly purchased comprehensive sewer basin study will be necessary to determine ultimate flow ownership between the City and County. In addition, replacement of the existing, Parshall Flume flow meter on the Monocacy By-pass Sewer Interceptor (near the Monocacy Water Treatment Plant) and install new, permanent flow measuring devices with telemetry capability at other critical points in the wastewater collection system will be necessary.

The Monocacy By-pass Interceptor receives wastewater from City & County developments. The Parshall Flume metering flows in this interceptor needs to be replaced due to age and because it is undersized for current flows. Portable meters currently measure flows in the four trunk lines into the Gas House Pike Waste Water Treatment Plant. Permanent meters will be installed at each location.

Additional, permanently installed flow meters are necessary at other critical junctions to differentiate between City and County flow contributions and for inflow/infiltration analysis. Proposed locations include the following connections into the Tuscarora Interceptor/Monocacy By-pass:

- Dearbought @ manhole DB45
- Routzahn's @ manhole MI 26
- Riverside Center @ manhole 1475
- Shops at Monocacy @ manhole MP3
- Worman's Mill @ manhole WM2
- Worman's Mill @ manhole 1236
- Worman's Mill @ manhole TK19
- Willowbrook @ manhole WB1
- North Crossing @ TBD

JUSTIFICATION:

This project is required to accurately account for flows that are introduced into the Monocacy Bypass Sewer Interceptor. The upgrade of the meters is per the Sewer Agreement with the County.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	50.000	50.000	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	340.000	140.000	-	-	200.000	-	-	-
EQUIPMENT	130.000	130.000	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	520.000	320.000	-	-	200.000	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	520.000	320.000	-	-	200.000	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	520.000	320.000	-	-	200.000	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Wastewater Flowmeter Replacement

370007

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 370008

PROJECT NAME: Gas House Pike WWTP Expansion & Improvements

PROJECT MANAGER: Deputy Director of Public Works - Operations

SCOPE:

This project provides for the installation of The City of Fredericks' Wastewater Treatment Plant improvements that are recommended in the Malcolm-Pirnie Wastewater Treatment Expansion Study (MPWWTPS) completed in 2/2004 and the Whitman-Requardt Facilities Plan –February 2010. The improvements include: a) Solids Building Mixing System, b) Influent pump station modernization; c) Sand filter building flow increases; and d) Grit separation process upgrades. At a minimum the project deliverables will include: 1)Determination of the priority of the MPWWTPS's recommendations ; 2)Development of a project plan; 3)Development of Specifications for the selection of a design consultant/construction management vendor; 4)Selection of the design/construction management consultant; 5)A design specification/bid package for the improvements with Maryland Department of the Environment permit; 6)The selection of a contractor to install improvements; 7)Completion of the work. This project will combine with and replace CIP # 370601 WWTP Pump Station Upgrade. In addition to the above MDE Grant Funding will need to be obtained and managed.

JUSTIFICATION:

These projects are recommended in the 2004 MPWWTP, WRA-Facilities Plan 2-2010 and required to meet conditions of MDE ENR (Enhanced Nutrient Removal) Program.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	1,358.000	850.000	8.000	500.000	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	69,995.551	10,371.000	9,124.551	-	34,500.000	16,000.000	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	20.000	20.000	-	-	-	-	-	-
TOTAL EXPENDITURES	71,373.551	11,241.000	9,132.551	500.000	34,500.000	16,000.000	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	697.421	64.870	132.551	500.000	-	-	-	-
DEBT ISSUE	55,676.130	11,176.130	9,000.000	-	27,000.000	8,500.000	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	15,000.000	-	-	-	7,500.000	7,500.000	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	71,373.551	11,241.000	9,132.551	500.000	34,500.000	16,000.000	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Gas House Pk. WWTP Expansion & Imp'ts.

370008

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 370009

PROJECT NAME: Ballenger-McKinney Wastewater Plant Expansion

PROJECT MANAGER: Deputy Director of Public Works-Operations

SCOPE:

The scope of this project includes City funding of a proportionate share per The 1990 Monocacy Interceptor Sewer Capital Funding Agreement with Frederick County for the design, easement acquisition and construction of County owned wastewater treatment infrastructures defined below. This project will allow the County to provide the City with 3 MGD Maximum sewer capacity from the upgraded Ballenger-McKinney Wastewater Treatment Plant as is defined by the The 1990 Monocacy Interceptor Sewer Capital Funding Agreement. Total project cost is estimated at \$160M=\$41M MDE Grant + \$21M City + \$98M County.

Gas House Pike WWTP Equalization Basin Expansion: (Completed ~1995) This is anticipated to provide for flow through capacity of 6.5 MGD.

Collection System Mains Upgrade: (est. completion 2015) The various sized collection mains (4 phases) will begin at the Gas House Pike Plant Equalization Basin and tie to the Linganore Creek Main and eventually to the Ballenger Creek Plant. The mains will be sized appropriately for the increased flows that are contributed along the alignment. The County is managing this project, with technical input from the City.

Ballenger Creek WWTP Expansion and Potomac Outfall: (FY 2011-2018) This is anticipated to provide a capacity of ~3 MGD to the City. This capacity will be provided in a phased approach, which will be determined by the County.

JUSTIFICATION:

As outlined in the 1990 Monocacy Interceptor Sewer Capital Funding Agreement, the City owned Gas House Pike Treatment sewer capacity is not sufficient to meet the anticipated City growth. Partnering with the County on this project will be required under any growth scenario for the City.

The City's Gas House Pike Plant is currently undergoing analysis to determine if any expansion is feasible. The results of this analysis will determine how much wastewater capacity the City will need to obtain from the Ballenger-McKinney Plant.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	17,483.000	2,683.000	14,800.000	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	17,483.000	2,683.000	14,800.000	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	-	-	-	-	-	-	-	-
DEBT ISSUE	17,483.000	2,683.000	14,800.000	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	17,483.000	2,683.000	14,800.000	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Ballenger-McKinney WWTP

370009

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 370300

PROJECT NAME: I/I Reduction

PROJECT MANAGER: Deputy Director of Public Works-Operations

SCOPE:

The intent of this multi-year project is to provide deliverables (equipment, rehabilitation, repairs or new technology) that will reduce inflow and infiltration to The City of Frederick's Sanitary Sewer System.

The **FY08/FY09** projects included the selection and procurement of a sewer main lining contractor to reline the following areas:

1. Gateway Areas- ~ 3000 linear feet of various diameters. (Completed 5/2009)
2. Between 9th & 13th Streets - ~1300 linear feet of 12" diameter. (Completed 11/2008)
3. Along West 2nd Street- ~1300 linear feet of 12" diameter. (Completed 11/2008)

The sewage collection system components to study and make repairs for **FY10/FY11** will be:

1. The Carroll Creek Interceptor from Bentz Street to the West ~ 10,000 linear feet to include the western branch draining the Hargett Farm Area
2. The Monocacy Interceptor from the WTP south ~ 2,000.

The **FY12** areas to include:

1. Stonegate Drainage Areas-2-40A thru 2-40D, 2-39A, 2-38A, 2-41A
2. Gulfview Drainage Area 2-31A (see The City of Frederick's Sewer Index for exact basin location).
3. Approximately 6400 linear feet of various sized piping from the Sewer Department's Master List dated 4-14-11

The targeted study basins for **FY13** are anticipated to be the completion of the FY12 areas

There may be a few isolated "hot-spots" that would require an immediate fix and are not identified at the printing of this manual. In addition, there are infrequent upgrades to software and new technologies that will need to be purchased from this project.

JUSTIFICATION:

Sanitary sewer collection systems maintenance and operations best management practices require periodic improvements to the system to reduce inflow/infiltration of ground water that does not need to be processed through the wastewater treatment plant. This ongoing CIP project provides a funding source for new technology purchases and targets locations that are determined to contribute to the I/I problem.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	512.000	512.000	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	4,079.837	4,079.837	-	-	-	-	-	-
EQUIPMENT	465.000	465.000	-	-	-	-	-	-
MISCELLANEOUS	35.000	35.000	-	-	-	-	-	-
TOTAL EXPENDITURES	5,091.837	5,091.837	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	1,073.267	1,073.267	-	-	-	-	-	-
DEBT ISSUE	1,950.000	1,950.000	-	-	-	-	-	-
SPECIAL ASSESSMENT	1,955.000	1,955.000	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	100.000	100.000	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	13.570	13.570	-	-	-	-	-	-
TOTAL REVENUES	5,091.837	5,091.837	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Inflow and Infiltration Reduction

370300

Fund 602 - Water and Sewer CIP

THE CITY OF FREDERICK, MARYLAND - CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380051

PROJECT NAME: FAA Part 77

PROJECT MANAGER: Airport Manager

SCOPE:

The scope of this project is to acquire easements over 11 properties in the Tulip Hill Subdivision, and to trim/remove trees that penetrate the 34:1 approach surface for Runway 5, as identified in the 1999 Obstruction Removal Program. The Airport has procured the services of a property acquisition specialist to obtain easements from each of these 11 property owners to allow for removal of these trees. This project will be funded through the FAA (95%) and the MAA (2.5%). To date, five of eleven easements have been acquired.

JUSTIFICATION:

1999 Obstruction Removal Plan identified these properties as a penetration of the 34:1 approach surface of RW5.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	656.000	656.000	-	-	-	-	-	-
UTILITIES	200.000	200.000	-	-	-	-	-	-
CONSTRUCTION	-	-	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	856.000	856.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	12.000	12.000	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	813.000	813.000	-	-	-	-	-	-
STATE GRANT	20.000	20.000	-	-	-	-	-	-
COUNTY GRANT	11.000	11.000	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	856.000	856.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

FAA Part 77
Fund 307 - Airport CIP

380051

THE CITY OF FREDERICK, MARYLAND - CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380054

PROJECT NAME: Airport Property Acquisitions

PROJECT MANAGER: Airport Manager

SCOPE:

The scope of this project is to purchase the following properties to remove obstructions that are within the Runway 5 Object Free Area (ROFA) and/or the Runway 5 Runway Protection Zone (RPZ):

- Parcel A1, Gage, also known as Rexel Electric (formerly Commerce Electric), 2.0 acres of land and a structure that will be demolished in the future. **(Acquired)**
- Parcel A2, Bees property, known as United Products, 2.87 acres of land and a structure that will be demolished in the future. **(Acquired)**
- Parcel A3, Breen Commons, 2.26 acres of land and a structure that will be demolished in the future. **(Acquired)**
- Parcel A4, Great Eastern Concrete, 0.85 acres of land and a structure that will be demolished in the future. **(Acquired)**
- Parcel A5, Colonial Bus, also known as Heritage Management, 2 acres of land and a structure that will be demolished in the future. **(Acquired)**
- Parcel A39, Vershel (M&RR), 1.54 acres of land and a structure that will be demolished in the future. **(Acquired)**
- Parcel A38, Bartgis Property, 0.448 acres of land with no structures. **(Acquired)**

All properties under this CIP have been acquired. We are awaiting FAA reimbursement for Parcel A4.

JUSTIFICATION:

2001 Bailes Lane Re-Use plan identified these structures to be removed because they are located within the object free area and runway protection zone.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	17,114.000	17,114.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	-	-	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	17,114.000	17,114.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	1,263.000	1,263.000	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	15,250.000	15,250.000	-	-	-	-	-	-
STATE GRANT	401.000	401.000	-	-	-	-	-	-
COUNTY GRANT	200.000	200.000	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	17,114.000	17,114.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Airport Property Acquisitions

380054

Fund 307 - Airport CIP

THE CITY OF FREDERICK, MARYLAND - CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380062

PROJECT NAME: Property Acquisition - Bowman's Farm

PROJECT MANAGER: Airport Manager

SCOPE:

The Bowman Farm property acquisition plan is to secure approximately 34 acres of land for the future expansion of the airport. The property involved is lot 15 of the Frederick Airport Park, located at the north end of Bowman's Farm Road. Once the 34-acre tract is acquired, the Airport will be better positioned for future needed expansion in accordance with the 1999 Airport Master Plan for east side development over the next decade. An Environmental Assessment will be performed for the purchase of the property. The City of Frederick executed a Letter of Intent dated March 27, 2001 to begin the FAA appraisal process, which states that no later than three (3) years from the date of the Letter of Intent, The City made an offer to purchase the property from Frederick Airport Park Associates. Until an FAA grant is obtained, the City will have to provide interim financing to purchase this property. When funding is available, the Airport will request reimbursement from the FAA for the purchase price of this property.

JUSTIFICATION:

This property acquisition allows for a place card for future development on the east side of the airport.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	5,550.000	5,550.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	-	-	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	5,550.000	5,550.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	71.000	71.000	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	5,272.000	5,272.000	-	-	-	-	-	-
STATE GRANT	139.000	139.000	-	-	-	-	-	-
COUNTY GRANT	68.000	68.000	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	5,550.000	5,550.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Property Acquisition - Bowman's Farm

380062

Fund 307 - Airport CIP

THE CITY OF FREDERICK, MARYLAND - CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380065

PROJECT NAME: Runway 5-23 & 30 Extensions

PROJECT MANAGER: Airport Manager

SCOPE:

The scope of this project is to design and construct a 780-foot asphalt extension to Runway 5-23 to reach the ultimate length of 6,000 feet in order to more efficiently accommodate the jet powered aircraft that use the Frederick Municipal Airport. 600 feet x 100 feet wide will be added to the south end of the runway and 180 feet x 100 feet wide will be added to the north end, including grading and placement of soil fill, placement of stone base, asphalt base and surface, pavement markings, and installation of 6 runway edge lights, 8 runway end marker lights, relocation of the R/W 23 ODAL's, and all associated conduit, cans, and control equipment. Also included in this project is the design and construction of an approximately 2 acre asphalt Run-up Pad for Runway 5 at the south end of Taxiway A, including grading and placement of soil fill, placement of stone base, asphalt base and surface, pavement markings, and installation of taxiway edge lights and associated conduit, cans and control equipment. This scope also includes the design and construction of a 130-foot x 75-foot wide extension of Runway 30 that will accommodate an aircraft holding pad and bypass area. This project will also include the design and construction of a Medium Approach Lighting System-Flasher (MALS-F) for the approach to Runway 23, which will provide for increased aircraft landing opportunities in severe weather conditions.

JUSTIFICATION:

Longer runway allows for corporate aircraft to take off fully loaded with passengers and fuel. Having a longer runway also allows for larger aircraft to be based at FDK.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	556.000	-	-	-	-	-	556.000	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	2,840.000	-	-	-	-	-	-	2,840.000
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	3,396.000	-	-	-	-	-	556.000	2,840.000

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	45.000	-	-	-	-	-	9.000	36.000
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	3,226.000	-	-	-	-	-	528.000	2,698.000
STATE GRANT	84.000	-	-	-	-	-	13.000	71.000
COUNTY GRANT	41.000	-	-	-	-	-	6.000	35.000
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	3,396.000	-	-	-	-	-	556.000	2,840.000

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Runway 5-23 and 30 Extension

380065

Fund 307 - Airport CIP

THE CITY OF FREDERICK, MARYLAND - CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380067

PROJECT NAME: Bailes Lane Demolition & Site Work

PROJECT MANAGER: Airport Manager

SCOPE:

The scope of the first phase of this project is to prepare the construction drawings and documents for the demolition of structures on the below-listed properties along Bailes Lane that are within the Runway 5 Object Free Area (ROFA) and/or the Runway 5 Runway Protection Zone (RPZ), and for site work to meet City and State grading and soil and erosion control guidelines, and to allow reuse of the properties for Airport use. The scope of the second phase of this project is to demolish structures on the below-listed properties along Bailes Lane that are within the Runway 5 Object Free Area (ROFA) and/or the Runway 5 Runway Protection Zone (RPZ), and to perform site work to meet City and State grading and soil and erosion control guidelines, and to allow reuse of the properties for Airport use

JUSTIFICATION:

2001 Bailes Lane Re-Use plan identified these structures to be removed because they are within the object free area and runway protection zone.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	835.200	417.000	418.200	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	500.000	500.000	-	-	-	-	-	-
CONSTRUCTION	8,833.000	33.000		3,500.000	3,100.000	2,200.000	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	10,168.200	950.000	418.200	3,500.000	3,100.000	2,200.000	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	129.228	13.000	5.228	44.000	39.000	28.000	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	9,658.290	901.000	397.290	3,325.000	2,945.000	2,090.000	-	-
STATE GRANT	253.454	24.000	10.454	87.000	77.000	55.000	-	-
COUNTY GRANT	127.228	12.000	5.228	44.000	39.000	27.000	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	10,168.200	950.000	418.200	3,500.000	3,100.000	2,200.000	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Bailes Lane Demolition and Site Work

380067

Fund 307 - Airport CIP

THE CITY OF FREDERICK, MARYLAND - CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380068

PROJECT NAME: Acquire / Obstruction Removal – Waffle House

PROJECT MANAGER: Airport Manager

SCOPE:

The scope of this project is to acquire and demolish the Waffle House Restaurant, Parcel A54, located at 1316 E. Patrick St. (0.44 acres) located within the future extension of the Runway 5 Runway Protection Zone (RPZ).

JUSTIFICATION:

To extend the runway and offer better services to the airport users, the FAA design requirements indicate that the RPZ must be extended across Patrick Street, thereby making the acquisition and subsequent demolition of the Waffle House necessary. This project will be funded through the FAA (95%) and the MAA (2.5%).

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	1,200.000	1,200.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	75.000	75.000	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	1,125.000	1,125.000	-	-	-	-	-	-
TOTAL EXPENDITURES	2,400.000	2,400.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	31.000	31.000	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	2,280.000	2,280.000	-	-	-	-	-	-
STATE GRANT	60.000	60.000	-	-	-	-	-	-
COUNTY GRANT	29.000	29.000	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	2,400.000	2,400.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Acquire Waffle House
Fund 307 - Airport CIP

380068

THE CITY OF FREDERICK, MARYLAND - CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380071

PROJECT NAME: Removal of Tulip Hill Houses

PROJECT MANAGER: Airport Manager

SCOPE:

The scope of this project includes the demolition of the three homes in Tulip Hill Subdivision, located at 6202, 6204 and 6206 Fairfax Court (ALP Parcels A40, A41 and A25). The properties are now owned by the City but currently awaiting FAA re-imbursement. The homes are located within the proposed extension on the Runway 5 Runway Protection Zone (RPZ) and must be demolished prior to the Runway 5, 23 and 30 extension projects.

JUSTIFICATION:

1999 Obstruction Removal Plan identified these properties as a penetration of the 34:1 approach surface of RW5.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	958.000	958.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	522.000	22.000	-	500.000	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	20.000	20.000	-	-	-	-	-	-
TOTAL EXPENDITURES	1,500.000	1,000.000	-	500.000	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	21.000	14.000	-	7.000	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	1,425.000	950.000	-	475.000	-	-	-	-
STATE GRANT	37.000	25.000	-	12.000	-	-	-	-
COUNTY GRANT	17.000	11.000	-	6.000	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	1,500.000	1,000.000	-	500.000	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Acquire Tulip Hill Houses

380071

Fund 307 - Airport CIP

THE CITY OF FREDERICK, MARYLAND - CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380077

PROJECT NAME: Air Traffic Control Tower

PROJECT MANAGER: Airport Manager

SCOPE:

The scope of this project is to construct an Air Traffic Control Tower, on Airport property, in accordance with FAA regulations. An all-weather, paved access road will be constructed to the site from existing City roadway system. Vehicle parking will be provided adjacent to the building on a paved lot. The building will be located as shown on the Airport Master Plan Update.

JUSTIFICATION:

Increases safety and capacity.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	550.000	1,200.000	(650.000)	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	250.000	250.000	-	-	-	-	-	-
CONSTRUCTION	3,707.462	3,707.462	-	-	-	-	-	-
EQUIPMENT	325.000	325.000	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	4,832.462	5,482.462	(650.000)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	-	-	-	-	-	-	-	-
DEBT ISSUE	-	650.000	(650.000)	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	4,832.462	4,832.462	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	4,832.462	5,482.462	(650.000)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Air Traffic Control Tower
Fund 307 - Airport CIP

380077

THE CITY OF FREDERICK, MARYLAND - CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380079

PROJECT NAME: Localizer Antenna Replacement

PROJECT MANAGER: Airport Manager

SCOPE:

The purpose of this project is to replace the existing localizer antenna with a new Mark 20A 14 element array antenna. The FAA has provided funding through the American Reinvestment and Recovery Act.

JUSTIFICATION:

The current localizer antenna has been studied and determined to have signal propagation issues. These issues will be mitigated with the replacement of the existing antenna. The new system will allow for a more concentrated, narrower band that will provide better coverage and reliability for aircraft / helicopters during inclement weather.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	-	-	-	-	-	-	-	-
EQUIPMENT	500.000	500.000	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	500.000	500.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	-	-	-	-	-	-	-	-
DEBT ISSUE	-	-	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	500.000	500.000	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	500.000	500.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Localizer Antenna Replacement

380079

Fund 307 - Airport CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380401

PROJECT NAME: Parking Deck # 4

PROJECT MANAGER: Superintendent of Public Parking

SCOPE:

This project incorporates two projects at 140 West Patrick St.: 1) construct 650 parking spaces and 2) construct 30,000 square feet of City government office shell space. These projects were constructed in such a manner as to complement the Historic Preservation and the Carroll Creek Districts.

In accordance with the April 2000 “Deck 4 Parking Agreement”, the City and County are jointly funding the deck project and the County is provided monthly parking passes for a prorated share of the spaces. The City Parking Fund funded the cost of the construction of the office shell space and then upon occupancy by the City, the City General Fund pays a market rate monthly lease payment to the Parking Fund.

- 1) Secure funding agreement with Frederick County – Completed April 2000
- 2) Obtain required property – Completed September 2004
- 3) Secure Historic Preservation Commission and Planning Commission Approvals – Completed July 2004
- 4) Complete Construction Design and Secure Construction Permits – Completed December 2004
- 5) Construct 650 space parking deck – Completed August 2006
- 6) Construct 29,000 square feet of City government office shell space – Completed February 2007
- 7) Release retainage/close out project – June 2008

JUSTIFICATION:

The project is consistent with and supported by the 2004 Comprehensive Plan’s themes and associated policies of: 1) Balancing Growth, 2) Enhancing Mobility, Accessibility and Connectivity, 3) Enhancing the Community, 4) Supporting a Vibrant Downtown, and 5) Interacting with the Region. The project is consistent with the goal of constructing a parking deck in the vicinity of the Courthouse to offset a projected 1300 parking space deficit as further specified in the adopted March 12, 2003 downtown parking plan titled “Final Report, Downtown Frederick Needs Assessment, Recommendations and Implementation Plan”.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	1,600.000	1,600.000	-	-	-	-	-	-
LAND/R.O.W.	2,200.000	2,200.000	-	-	-	-	-	-
UTILITIES	50.000	50.000	-	-	-	-	-	-
CONSTRUCTION	14,469.136	14,575.000	(105.864)	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	18,319.136	18,425.000	(105.864)	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	-	-	-	-	-	-	-	-
DEBT ISSUE	14,044.136	14,150.000	(105.864)	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	4,275.000	4,275.000	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	18,319.136	18,425.000	(105.864)	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE	60.000	300.000	500.000	600.000	700.000	800.000
EXPENSE	100.000	120.000	130.000	140.000	140.000	150.000
NET	-40.000	180.000	370.000	460.000	560.000	650.000

Parking Deck #4

380401

Fund 308 - Parking CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380402

PROJECT NAME: Parking Deck 5

PROJECT MANAGER: Superintendent of Public Parking

SCOPE:

The City and developer of Site D Wormald, entered into an Agreement of Purchase and Sale dated March 7, 2005 per which the City sold Site D to Wormald. The Agreement calls for construction of a minimum of 550 parking spaces on the Site D property. The City and Developer by way of a Parking Development Agreement, agreed to include in the Site D Project a separate parking garage of public parking, to consist of approximately 380 parking spaces, a part of which may be utilized by the retail and condominium users at standard City rates. The developer will construct 170 parking spaces within its structure for use by the residents of the project.

Per the Parking Development Agreement, the developer gained site plan and HPC approval for Site D. With completion of the subdivision, the developer deeded back to the City the parcel to be used for Deck 5. The bid cost estimate is for the project is \$11.7 million which includes design and inspection services along with construction. The bid was awarded in May 2008 and construction began in September 2008. The current schedule calls for the parking deck to be open by the winter of 2009.

JUSTIFICATION:

This project is the second phase of a three-phase plan to accommodate the downtown parking needs. Phase I was to construct Parking Deck No. 4 near the Frederick County Courthouse to meet the immediate parking needs. Phase II is to construct one or more parking decks to provide parking the East Street Corridor Growth Area, and to re-distribute long term parkers. This redistribution will provide parking relief to the central downtown business district while the City executes Phase III, the reconstruction of the Church Street Parking Garage.

This project is consistent with the Mayor and Board adopted parking plan which is documented in *Final Report, Downtown Frederick Needs Assessment, Recommendations and Implementation Plan* (Desman Associates, March 12, 2003), and the July 2001 Downtown Parking Plan. The project is also consistent with the adopted City Comprehensive Plan and the March 21, 2002 East Street Extension Phase I Area Plan.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	1,100.000	1,100.000	-	-	-	-	-	-
LAND/R.O.W.	450.000	450.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	10,700.000	10,700.000	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	12,250.000	12,250.000	-	-	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	15.000	15.000	-	-	-	-	-	-
DEBT ISSUE	12,235.000	12,235.000	-	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	12,250.000	12,250.000	-	-	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						-	-
EXPENSE						-	-
NET	0						

Site D Parking Deck

380402

Fund 308 - Parking CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380408

PROJECT NAME: Parking Deck 6

PROJECT MANAGER: Superintendent of Public Parking

SCOPE:

The proposed project is to build Deck 6 with a total capacity of 650 to 1100 spaces on a portion of Site G. Site G is located within the area between S. Carroll St., E. South St., S. East St, and Commerce Street. This new deck will support the planned activities on Site G-Tourism, BOE Central Office, and Hope VI, as well as other nearby projects such as Site F, the Schaffer Building, and the East Street extension to I-70.

The project will be built in two phases-the first 650 spaces on existing property adjoining the proposed BOE Central Office, and the second 450-550 spaces on property now leased to the National Park Service (current lease ends in October 2013). The BOE has decided not to contribute to the construction costs, but rent spaces at market rates, their initial parking demand will be 250 spaces. The subdivision of Site G was completed in 2007 and all vacant buildings demolished. The current schedule calls for the design to be bid in mid 2009 and construction to begin in late 2009. The preliminary opening date for phase I of Deck 6 is summer of 2011. The preliminary cost estimate of the first phase is \$15.4 Million.

JUSTIFICATION:

This project is the second phase of a three-phase plan to accommodate the downtown parking needs. Phase I was to construct Parking Deck No. 4 near the Frederick County Courthouse to meet the immediate parking needs. Phase II is to construct both Deck 5 and Deck 6 to provide parking to the East Street Corridor Growth Area, and to re-distribute long term parkers. This redistribution will provide parking relief to the central downtown business district while the City executes Phase III, the reconstruction of the Church Street Parking Garage.

This project is consistent with the Mayor and Board adopted parking plan which is documented in *Final Report, Downtown Frederick Needs Assessment, Recommendations and Implementation Plan* (Desman Associates, March 12, 2003), and the July 2001 Downtown Parking Plan. The project is also consistent with the adopted City Comprehensive Plan and the March 21, 2002 East Street Extension Phase I Area Plan.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	1,365.000	1,135.000	-	-	-	-	-	230.000
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	15,500.000	-	-	-	-	-	-	15,500.000
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	16,865.000	1,135.000	-	-	-	-	-	15,730.000

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	-	-	-	-	-	-	-	-
DEBT ISSUE	16,865.000	1,135.000	-	-	-	-	-	15,730.000
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	16,865.000	1,135.000	-	-	-	-	-	15,730.000

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						-	-
EXPENSE						-	-
NET	0	0	0	0	0	0	-

Site G Parking Deck
Fund 308 - Parking CIP

380408

Page 2

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 380413

PROJECT NAME: Church St. Deck Rehab/Repair

PROJECT MANAGER: Superintendent of Public Parking

SCOPE:

To perform repairs to the existing Church Street Garage that would provide a long term repair solution to restore the deteriorated slabs of the garage and provide an additional lifespan of 10-15 years to the garage. This is a two-phase project. The first phase consisted of repairs completed in 2002 in order to improve and extend the safe use of the deck to 2010. The second phase will consist of securing a repair contractor to develop a plan to complete the necessary repairs needed to add the additional lifespan to the garage. It is anticipated that repair construction will begin in FY 2012/2013.

JUSTIFICATION:

The Church Street Parking Garage is rapidly approaching the end of its' useful life in its current state. The useful life is limited by the amount of exposure and loading that concrete structures can endure before they fatigue and require extensive reconstruction. The Church Street Garage underwent repairs in FY 03 to extend its' lifespan five to ten years. The City realizes that the additional funds needed to redevelop the structure are not available at this time so it is in the best interest of the City and it's citizens to rehab and repair the garage in order to provide a long term solution and add another 10-15 years to the lifespan of the garage.

This project is the third phase of a three-phase plan to accommodate the downtown parking needs. Phase 1 was the construction of Parking Garage #4 (West Patrick Street Garage) near the County Courthouse to meet the immediate parking needs. Phase 2 was the construction of Parking Garage # 5 (East All Saints Street Garage), which have helped redistribute the long-term parker and provide some relief to the core parkers while the City executes Phase 3, which is the rehab/repair of the Church Street Parking Garage.

This project was generated via the study efforts published in Final Report; Downtown Frederick needs Assessment, Recommendations and Implementation Plan (Desman Associates, March 12, 2003), and the Downtown Parking Plan of July 2001. Consistent with City Comp. Plan objective 6.17 and February 2001, Desman Condition Survey report. The Church Street Parking Deck Agreement, April 17, 2002, provides for the terms of the County's participation in this project.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	-	-	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	2,274.000	-	1,105.864	1,168.136	-	-	-	-
EQUIPMENT	-	-	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	2,274.000	-	1,105.864	1,168.136	-	-	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	1,599.636	-	1,000.000	599.636	-	-	-	-
DEBT ISSUE	105.864	-	105.864	-	-	-	-	-
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	568.500	-	-	568.500	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	2,274.000	-	1,105.864	1,168.136	-	-	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE							
EXPENSE							
NET	0						

Church Street Deck - Rehab/Rebuild

380413

Fund 308 - Parking CIP

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 350001

PROJECT NAME: South Street Storm Drain

PROJECT MANAGER: Deputy Director of Public Works-Operations

SCOPE:

Provide a storm drain system capable of conveying a 10-year storm in a 433 acre drainage area bounded by South Wisner Street, a line extending south from Wisner Street to I-70, I-70, East South Street/Reich's Ford Road, Tilco Drive, Cambridge Drive and Fairfax Court in the Tulip Hill Subdivision, East Patrick Street, Davis Avenue, Harding Alley north of and parallel to East Patrick Street, the racetrack at the fairgrounds, Maryland Avenue, and by Sagner Avenue to its intersection with South Wisner Street.

A study and report shall be bid separately and shall address the following: Hydrologic analyses, area to be served by Stormwater Pumping Station No. 3, the feasibility of expanding Stormwater Pumping Station No. 3, the feasibility of catchments, the feasibility of pumping to the Monocacy River, easements required, Karst topography issues, wetland issues, construction phasing, coordination with State Highway Administration's I-70 Pond C improvement, hydraulic analyses, preliminary pipe and conduit sizes, preliminary pumping station requirements, permits required for each phase, cost of constructing each phase, long term operation and maintenance costs, a cost/benefit analysis, recommendations and a presentation of the final report to the Mayor and Board of Aldermen.

Deliverables associated with this project are:

1. A study of the basin to include the above with options for design. Completed FY 2009
2. Complete portions of Phase 1 of the Plan- Patrick Street Storm Drain (FY 2011)
3. A design for the new drainage system or portions thereof (FY 2009 - ?)
4. A public information plan to keep residents informed before and during construction (As needed)
5. Acquisition of required rights-of-way,
6. Acquisition of required permits (Obtained as constructed)
7. Construction of approximately 15,000 LF of storm drain varying in size from 78 to 12 inches in diameter and approximately 80 storm drain inlets. (FY 2011 thru?)

It may be necessary to obtain permanent easements and construction easements from the Housing Authority of the City of Frederick and from Gene Romsburg Enterprises, Inc. at 33 Hamilton Avenue.

This project must be done in conjunction with the water distribution system upsizes that are in the area to optimize road re-surfacing efforts. The water mains to be upsized are under separate CIP #360019 (Completed FY10).

JUSTIFICATION:

This drainage basin has a series of disconnected local stormwater systems that inadequately drain the area and have caused no less than 12 problem areas that need to be corrected.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	146.000	146.000	-	-	-	-	-	-
LAND/R.O.W.	-	-	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	4,670.865	670.865	-	-	-	-	2,000.000	2,000.000
EQUIPMENT	19.029	19.029	-	-	-	-	-	-
MISCELLANEOUS	1.000	1.000	-	-	-	-	-	-
TOTAL EXPENDITURES	4,836.894	836.894	-	-	-	-	2,000.000	2,000.000

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	475.000	475.000	-	-	-	-	-	-
DEBT ISSUE	4,361.894	361.894	-	-	-	-	2,000.000	2,000.000
SPECIAL ASSESSMENT	-	-	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	-	-	-	-	-	-	-	-
STATE GRANT	-	-	-	-	-	-	-	-
COUNTY GRANT	-	-	-	-	-	-	-	-
OTHER	-	-	-	-	-	-	-	-
TOTAL REVENUES	4,836.894	836.894	-	-	-	-	2,000.000	2,000.000

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

South Street Storm Drain
Fund 309 - Storm Water CIP

350001

THE CITY OF FREDERICK, MARYLAND – CAPITAL IMPROVEMENTS PROGRAM FY 2012 - 2017

CIP NUMBER: 350020

PROJECT NAME: Stormwater Pump Station Number 3 Building (former Carroll Creek Flood Control Project)

PROJECT MANAGER: Deputy Director of Engineering

SCOPE:

Construct an approximately 3,750 sq. ft. brick and block building, with public restrooms for Carroll Creek Park, on top of Pumping Station No. 3; remove electrical controls from the dry well below grade and reinstall inside the new building; install a backup level sensor that will provide continuous remote data on water levels in the pumping station wet well. Note that completion of the Gas House Pike levee previously included in this CIP is now part of the Monocacy Boulevard Central Section design and construction.

JUSTIFICATION:

Completion of the Carroll Creek Flood Control Project is intended to eliminate flooding in downtown Frederick caused by high flows on the Monocacy River. Raising the controls for Pump Station Number 3 above grade will significantly reduce the risk of pump station failure during flood events.

Expressed in Thousands

EXPENDITURES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
PLANNING/ENG.	6,926.800	6,926.800	-	-	-	-	-	-
LAND/R.O.W.	6,478.000	6,478.000	-	-	-	-	-	-
UTILITIES	-	-	-	-	-	-	-	-
CONSTRUCTION	42,263.205	41,013.205	-	-	-	1,250.000	-	-
EQUIPMENT	7.000	7.000	-	-	-	-	-	-
MISCELLANEOUS	230.000	230.000	-	-	-	-	-	-
TOTAL EXPENDITURES	55,905.005	54,655.005	-	-	-	1,250.000	-	-

REVENUES	TOTAL	TO-DATE	FY12	FY13	FY14	FY15	FY16	FY17
CITY OPERATING	7,639.629	6,389.629	-	-	-	1,250.000	-	-
DEBT ISSUE	15,122.809	15,122.809	-	-	-	-	-	-
SPECIAL ASSESSMENT	383.000	383.000	-	-	-	-	-	-
IMPACT FEES	-	-	-	-	-	-	-	-
FEDERAL GRANT	508.731	508.731	-	-	-	-	-	-
STATE GRANT	20,065.200	20,065.200	-	-	-	-	-	-
COUNTY GRANT	12,128.000	12,128.000	-	-	-	-	-	-
OTHER	57.636	57.636	-	-	-	-	-	-
TOTAL REVENUES	55,905.005	54,655.005	-	-	-	1,250.000	-	-

ESTIMATED OPERATING BUDGET IMPACT:

REVENUE						
EXPENSE						
NET	0	0	0	0	0	0

Carroll Creek Flood Control Project

350020

Fund 309 - Storm Water CIP