

Damascus Town Center WWPS Replacement

A. Identification and Coding Information		
Agency Number	Project Number	Update Code
S - 000094.13	382002	Change

PDF Date	October 1, 2024
Date Revised	

Pressure Zones	
Drainage Basins	Patuxent North 26; Seneca Creek 15
Planning Areas	Damascus & Vicinity PA 11

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY'24	Estimate FY'25	Total 6 Years	Year 1 FY'26	Year 2 FY'27	Year 3 FY'28	Year 4 FY'29	Year 5 FY'30	Year 6 FY'31	Beyond 6 Years
Planning, Design & Supervision	1,651	1,111	124	416	364	52					
Land	60	60									
Construction	7,254	10	1,595	5,649	4,614	1,035					
Other	1,168		258	910	747	163					
Total	10,133	1,181	1,977	6,975	5,725	1,250					

C. Funding Schedule (000's)

WSSC Bonds	6,916	827	1,390	4,699	3,822	877					
SDC	3,217	354	587	2,276	1,903	373					

D. Description & Justification

<p>DESCRIPTION</p> <p>This project provides for the planning, design, and construction of a 0.416 MGD wastewater pumping station (WWPS), approximately 2,100 linear feet of gravity sewer, and 2,100 linear feet of force main (FM). The new WWPS and associated FM and gravity sewer will provide service to the existing and future Damascus Town Center service area.</p> <p>BENEFIT</p> <p>Infrastructure Reinvestment: This project replaces existing infrastructure that has exceeded its useful life; System Capacity: This project will enhance existing infrastructure by building additional capacity in order to meet existing and/or future demand; Environmental Sustainability: This project supports WSSC Water's commitment to protect the natural environment of Prince George's and Montgomery Counties</p> <p>JUSTIFICATION</p> <p>The existing pumping station, which is over 45 years old, was originally built as a privately owned facility and does not conform to WSSC Water standards. The pumping station was taken over by WSSC Water in the late 1970s. It has reached the end of its useful life and replacement parts are obsolete. Additionally, the capacity of the pumping station must be increased to accommodate the future service area in accordance with the Maryland-National Capital Park & Planning Commission Damascus Master Plan. The pumping station replacement was recommended by the Damascus Town Center WWPS Business Case Evaluation, Black & Veatch (September 2017) undertaken as part of WSSC Water's Asset Management Program.</p> <p>COST CHANGE</p> <p>Not applicable.</p> <p>OTHER</p> <p>The project scope has remained the same. The schedule and expenditure projections shown in Block B above are preliminary design level estimates and are expected to change based upon site conditions and design constraints. Planning work began in FY'18 under ESP S-602.01, Damascus Town Center WWPS Replacement.</p> <p>COORDINATION</p> <p>Coordinating Agencies: Maryland Department of the Environment; Maryland-National Capital Park & Planning Commission; Montgomery County Department of Environmental Protection; Montgomery County Department of Public Works and Transportation; Montgomery County Government</p> <p>Coordinating Projects: Not Applicable</p>
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E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance	\$107	27
Debt Service	\$330	27
Total Cost	\$437	27
Impact on Water and Sewer Rate		

F. Approval and Expenditure Data (000's)	
Date First in Program	FY'20
Date First Approved	FY'20
Initial Cost Estimate	9,460
Cost Estimate Last FY	10,321
Present Cost Estimate	10,133
Approved Request Last FY	4,409
Total Expense & Encumbrances	1,181
Approval Request Year 1	5,725

G. Status Information	
Land Status	Land and R/W Acquired
Project Phase	Design
Percent Complete	100 %
Estimated Completion Date	June 2026
Growth	30%
System Improvement	70%
Environmental Regulation	
Population Served	854
Capacity	0.416 MGD

