

A. Identification and Coding Information

1. Project Number: 934855 Agency Number: W-127.01 Update Code: Change

2. Date: October 1, 2004 Revised: May 12, 2005

3. Project Name: Potomac Bi-County Supply Main

4. Program: **Sanitation** 6. Planning Area: Bi-County

5. Agency: **WSSC**

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

B. Expenditure Schedule (000's)

Cost Elements	(8) Total	(9) Thru FY '04	(10) Estimate FY '05	(11) Total 6 Years	(12) Year 1 FY '06	(13) Year 2 FY '07	(14) Year 3 FY '08	(15) Year 4 FY '09	(16) Year 5 FY '10	(17) Year 6 FY '11	(18) Beyond 6 Years
Planning, Design & Supervision	14,558	1,700	2,010	10,848	6,073	2,200	750	750	750	325	
Land											
Site Improvements & Utilities											
Construction	58,355			58,355		6,864	15,000	15,000	15,000	6,491	
Other	7,121		201	6,920	607	906	1,575	1,575	1,575	682	
Total	80,034	1,700	2,211	76,123	6,680	9,970	17,325	17,325	17,325	7,498	

C. Funding Schedule (000's)

SDC	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
SDC	80,034	1,700	2,211	76,123	6,680	9,970	17,325	17,325	17,325	7,498	

D. Description & Justification

DESCRIPTION

This project provides for an alignment study, extensive community outreach efforts, and design and construction of approximately 30,200 feet of a proposed 84-inch diameter water main between the intersection of Tuckerman Lane and Route 1-270 and the western terminus of the Bi-County Water Tunnel near the area where Rock Creek crosses the Capital Beltway (Maryland Route 495).

Service Area Montgomery Main Pressure Zone HG495, Prince George's High Pressure Zone HG450

JUSTIFICATION

Plans & Studies
Montgomery and Prince George's Main Zone Facility Plan, Black and Veatch, Inc. (October, 1990); Updated Water Demand Projections (dated April 6, 2001); and the General Plan. Technical Memoranda #1, 2, & 3 (Draft), Louis Berger & Associates (1997).

Specific Data
This project, in conjunction with the Bi-County Water Supply Improvement Project, will significantly increase transmission capacity from the Potomac Water Filtration Plant to the Montgomery County Main Zone and Prince George's County. The alignment study will decide such issues as the alignment and the method of construction (i.e., tunnel vs. open-cut).

Cost Change
Planning and design costs increased to include extensive support for community outreach and funding for both tunneling and open cut design alternatives. Construction costs have been adjusted for inflation.

STATUS Facility Planning (WSSC Contract No. BL9972A94,).

OTHER
The project scope has remained the same. The project was deferred in 1997 and reactivated in late FY2003. A pipe sleeve for the portion of the project right-of-way located on the site of the Rockledge Drive Connector was funded directly by SHA. This is an order of magnitude estimate with a confidence interval of +50% and -30%, assuming entire project is open cut. Both Councils will review the results of the detailed study and must agree upon the final alignment and construction method before detailed design and construction may proceed. Project costs may increase up to 100% based upon the alternative selected. Land costs included in WSSC Project W-202.00.

COORDINATION
Montgomery County Government, Prince George's County Government, Maryland-National Capital Park & Planning Commission (anticipates receiving Mandatory Referral submissions from the WSSC as this project moves toward final completion of design) and Maryland State Department of Transportation.

NOTE This project supports 100% Growth.

E. Annual Operating Budget Impact (000's) FY of Impact

Program Costs	Staff		
	Other		
Facility Costs	Maintenance	329	2007
	Debt Service	
Total Costs.....		329	12
Impact on Water or Sewer Rate.....			

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 93
Date First Approved	FY 93
Initial Cost Estimate	63,000
Cost Estimate Last FY	72,465
Present Cost Estimate	80,034
Approved Request, Last FY	1,980
Total Expenditures & Encumbrances	1,700
Approval Request FY 06	6,680
Supplemental Approval Request Current FY (05)	

G. Status Information

Land Status: Site not determined

% Project Completion: P-20%

Est. Completion Date: FY 2011

H. Map Map Reference Code:

SEE ATTACHED MAP

