

Project Name: Hydraulic Surge Suppression
Project Number: 210-850-9C34
Program Area: Utilities



Project Snapshot

Original Project Total w/Unfunded: 907,500
 Current Project Total w/Unfunded: 907,500
 Percent Change: 0%
 Percent Completed: 70%
 Est. Completion Year: FY 2012



Prior Appropriations:	907,500
Add New Appropriations:	-
Add Future Appropriations:	-
Current Project Total:	<u>907,500</u>
Add Unfunded:	-
Current Project Total with Unfunded:	<u>907,500</u>

Status of Prior Year Appropriations as of 04/01/11:	
Prior Year Appropriations:	907,500
Less Expended:	<u>492,136</u>
Prior Year Funds Carried Over:	415,364
Add New Appropriations:	-
Total FY 2012 Appropriations:	<u>415,364</u>
Percent Expended:	54%

Description: This project funds the construction and inspection of a surge suppression system, which is necessary to protect the City's 24-inch water transmission main. Improvements include the installation of hydropneumatic surge tanks at the Water Treatment Plant and the Glen Mill Pump Station and installation of a pressure monitoring system. The surge tanks work in concert with the new air release valves, which were installed through the Air Release Valves (210-850-8B34) project. The need for hydraulic surge suppression was identified during the construction of the Glen Mill Pump Station and confirmed by the recent rupture of the 24-inch transmission main. The surge tank at Glen Mill Pump Station will be installed underground to avoid visual impact on the adjacent residential community. Noise mitigation for the Glen Mill Pump Station will be installed in response to a noise complaint.

Appropriation Schedule	Prior Approps	New Approps	Future Appropriation Schedule					Current Total
			FY 2013	FY 2014	FY 2015	FY 2016	Future Yrs	
Plan/Design/Insp	82,500	-	-	-	-	-	-	82,500
Construction	825,000	-	-	-	-	-	-	825,000
Total	907,500	-	-	-	-	-	-	907,500

Funding Schedule	Prior Funding	New Funding	Future Funding Schedule					Current Total
			FY 2013	FY 2014	FY 2015	FY 2016	Future Yrs	
Water Fund	907,500	-	-	-	-	-	-	907,500
Total	907,500	-	-	-	-	-	-	907,500

Unfunded Schedule	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	Future Yrs	Total
Unfunded	-	-	-	-	-	-	-

Operating Cost Impact	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	Future Yrs
Water Fund	10,000	-	-	-	-	-

Explanation of impact: The completion of this project will add \$10,000 to the FY 2012 operating budget to fund equipment maintenance.

Schedule: Prior years work to be completed — Construct surge suppression and noise mitigation equipment at the Glen Mill Pump Station.

Status: Construction. This project first appeared in the FY 2009 CIP. Note: The design of the surge suppression and noise mitigation upgrades was provided, at no cost to the City, by the design consultant for the Glen Mill Pump Station.

Coordination: Neighborhood Civic Associations and Adjacent Landowners; Maryland Department of the Environment; Water System Facility Improvements project (210-850-1C34); Water Plant Upgrades project (210-850-4A40); Water Plant — ARRA Grant project (210-850-8A84); SCADA Assessment project (210-850-9D34).

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