

GA-38-14

GRANT BRIEFING DOCUMENT

rev. 2/13/13

From:

Name: Frank Biba Dept: DNEP Phone: 410 263-7946

This is a request to

review, approve, and/or sign a grant agreement/award

other

Grant title: Spa Creek Headwaters Stream Restoration

Grantor: MD Dept. of Natural Resources Amount: \$ 575,000

Attestation:

Match is *not* required.

Match is required. Match will be met in the form of 1

I attest that this asset has been approved/appropriated in 2

[Signature] DNEP 5/20/14

Department Director signature Dept Date

Routing	Initials	Date		Comments
		In	Out	
<input checked="" type="checkbox"/> originating Dept Director	<u>[Signature]</u>	<u>5/20/14</u>	<u>5/20/14</u>	
<input checked="" type="checkbox"/> Grants Coordinator				
<input checked="" type="checkbox"/> Finance Director	<u>[Signature]</u>	<u>5/30/14</u>	<u>5/30/14</u>	
<input checked="" type="checkbox"/> City Attorney	<u>[Signature]</u>	<u>5/20/14</u>	<u>5/30/14</u>	
<input checked="" type="checkbox"/> City Manager				
<input checked="" type="checkbox"/> Mayor				
<input type="checkbox"/> City Clerk				
<input checked="" type="checkbox"/> Finance Committee				
<input type="checkbox"/> Finance Dept				

Return to Originating Department



* Review & initial approval. Grant agreement to come after acceptance of award *

44-85-AG

GRANT Briefing Document, continued

Provide a short narrative. Include:

-program description	- purpose of funds	- due dates
-grant period	-amount of request or award	
-special features, e.g., environmental impact implications, notarization required		

The City of Annapolis has requested funding for the design and construction of a stream restoration project at the headwaters of Spa Creek in the vicinity of the Admiral Farragut Apartments off Hilltop Lane. This project will complement another project in the same vicinity which is already under design contract. The stream segment identified for the new project is approximately 750 linear feet and is severely degraded from high urban stormwater flow. This stream segment has a drainage area of more than 37 acres with an impervious coverage of 43.88% (16.26 acres). Restoration of this stream segment in association with the existing stream restoration project immediately downstream will together have an estimated nutrient reduction of 75.6 tons TSS/year (Total Suspended Solids), 321.58 lbs TN/year (Total Nitrogen) and 25.54 lbs TP/year (Total Phosphorus), all of which counts against the city's EPA mandated nutrient reduction goal.

1/10/02 1/10/02 1/10/02

¹ Examples: cash match, equipment loan, staff salaries, volunteer time, contribution from non-City agency.
² Examples: FY__ Operating Budget, a memorandum of understanding, City Council resolution/ordinance.



GRANT BUDGET FORM

5/20/2014

Grant Title Stream design and restoration

Grant Award (\$) 575,000.00

Originating Department(s): DNEP

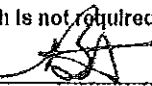
Dept Contact (Name/Phone): Frank Bliba, 410 263-7946

Expenditure Account	Revenue Source				Total per Expend. Type	Comments
	Federal	State	Local (Matching)	Other		
Salaries					0.00	
Benefits					0.00	
Overtime					0.00	
Supplies					0.00	
Telephone					0.00	
Electricity					0.00	
Fuel and Oil					0.00	
Training & Education					0.00	
R & M - Equipment					0.00	
Special Programs					0.00	
Contract Services		575,000.00	0.00		575,000.00	
Capital Outlay					0.00	
other (fill-in)					0.00	
other (fill-in)					0.00	
other (fill-in)					0.00	
other (fill-in)					0.00	
other (fill-in)					0.00	
other (fill-in)					0.00	
Total	0.00	575,000.00	0.00	0.00	575,000.00	

TOTAL EXPENDITURES*: **575,000.00**

* May be different from Grant Award \$ if there is a match requirement.

Match is not required.

 / 5/20/14
Department Director Signature/Date

DNEP
Department

Match is required. Match will be met in the form of ⁽¹⁾ _____

I attest that this asset has been approved/appropriated in ⁽²⁾ _____

Department Director Signature/Date

Department

COMMENTS:

(1) Examples (include dollar amounts if applicable): Cash match, equipment loan, staff salaries, volunteer time, contribution from non-City agency.

(2) Examples: FY __ operating budget, a memorandum of understanding, City Council resolution/ordinance.



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City of Annapolis

DEPARTMENT OF NEIGHBORHOOD & ENVIRONMENTAL PROGRAMS

145 GORMAN STREET, THIRD FLOOR, ANNAPOLIS, MARYLAND 21401
ANNAPOLIS (410) 260-2200 • FAX (410) 263-9158 • TDD - Use MD relay or 711 • www.annapolis.gov

Chesapeake & Atlantic Coastal Bays Trust Fund Capital Improvement Grant
Descriptive Narrative

The City of Annapolis herein submits a request for funding from the Chesapeake & Atlantic Coastal Bays Trust Fund Capital Improvement Grant for design and construction services for a 740 linear feet stream restoration project at the upper reaches of Spa Creek (segment Du – C and C – A on the enclosed Legend). The City is also requesting funding for construction services only for a 940 linear feet stream restoration project immediately downstream from the segment Du – A (segment Dd – E on the enclosed legend). The 740 LF segment has a drainage area of 37.06 acres (labeled Subbasin 2) with an impervious coverage of 43.88% (16.26 acres). The 940 LF segment has a drainage area of 70.08 acres (SB 3 + SB 4) with an impervious coverage of 18.5 acres. Total drainage area is 107.14 acres, with an impervious surface coverage of 53.32 acres, or approximately 50% of the total area. The area is intensely urbanized and the stream has been severely impaired by stormwater flow.

The headwaters of Spa Creek have been identified as impaired in the Spa Creek Headwaters Subwatershed Restoration Management Plan, 2006, and the City of Annapolis Watershed Study and Action Plan, 2009.

The Spa Creek headwaters are rated by the Department of Natural Resources as;

Trust Fund Priority Zone – High
MD_State_StreamHealth – Poor
MFSS – Poor
Sparrow Urban Nitrogen Loads – High

Based upon nutrient deposition rates as calculated by the Department of Natural Resources, and the *Final Report of the Expert Panel to Define Removal Rates for Individual Stream Restoration Projects*, the estimated nutrient removal rates for both of these projects combined is: 75.6 tons TSS/year; 321.58 lbs TN/year; 25.54 lbs TP/year. The design of the lower segment (Dd – E) has already been contracted by the City to Hazen and Sawyer, P.C., and will include continuous water quality monitoring equipment to confirm the actual nutrient reduction.

Included in this application is a section from Hazen and Sawyer, P.C.'s winning bid proposal for design of segment Dd – E which includes some of the data quoted above as well as the design parameters for this stream restoration project. The same design parameters will be requested for the stream restoration project for the upper segment Du – A.

The City's contract with Hazen and Sawyer, P.C. for the design of Segment Dd – E was effective December, 2013 with a start date of January 15, 2014. Construction is anticipated to be ready to commence in June, 2014, subject to a request for proposals in or about April, 2014. Request for proposals for the design of Segment Du – A is expected to be bid in March, 2014 with an anticipated construction start in or about September, 2014. Construction of each segment will be completed in 2 – 3 months. The projects are both expected to be completed by the end of 2014. The segments for both these projects are owned by a single entity, the Admiral Farragut Apartments, and the City has that owner's permission to undertake these projects.

The estimated budget for these stream restoration projects is based upon Chesapeake Bay Foundation stream restoration estimates of \$100/linear foot for design and \$300/linear foot for construction. Segment Du – A at 740 linear feet has estimated design cost of \$74,000 and construction cost of \$222,000. Segment Dd – E at 930 linear feet has estimated construction cost of \$279,000. The City's total request is \$575,000 matched by the design contract cost for Segment Dd – E of \$106,320. The Department of Public Works has also requested an additional \$250,000 in the upcoming fiscal year to retrofit failing culverts under Hilltop Lane that connect the two stream segments, but such request is subject to City Council approval and appropriation.

Please direct questions or comments regarding this grant application to Frank Biba, Chief, Environmental Programs, 410-263-7946, fjb@annapolis.gov



Martin O'Malley, Governor
Anthony G. Brown, Lt. Governor
Joseph P. Gill, Secretary
Frank W. Dawson III, Deputy Secretary

April 28, 2014

Mr. Frank Biba
City of Annapolis
145 Gorman St, 3rd Floor
Annapolis, MD 21401

Dear Mr. Biba,

The Maryland Department of Natural Resources (DNR) on behalf of the BayStat Subcabinet is pleased to inform you that the following project(s) proposals submitted by you/your organization have been included in the State Fiscal Year 2014 Chesapeake & Atlantic Coastal Bays Trust Fund (Trust Fund) budget, subject to funding availability:

1. \$575,000 for Spa Creek Headwaters Stream Restoration

If these grant funds are available and accepted by the City of Annapolis, the Grant will be awarded on the terms and conditions set forth in the Grant Agreement (attached). In addition, this letter notifies you that the project(s) must meet timelines, milestones, and obligations as set forth below. If the project(s) does not adhere to the project schedule, DNR may choose to reprogram these funds to other projects that are ready to proceed. Execution of grant funding may be subject to final approval from the Maryland Board of Public Works.

OBLIGATIONS OF GRANTEE FOR THE PROJECT:

1. By three months after the start date of the Grant Agreement, the Grantee shall submit designs at 50% completion or greater and/or at a level that meets necessary permit application requirements
2. By five months after the start date of the Grant Agreement, all necessary permits must be submitted for approval to the appropriate authority.
3. By one year after the start date of the Grant Agreement, the Grantee shall demonstrate that the Capital Project is ready for bid for construction. Copies of notice to bidders/invitation for bids shall be submitted to DNR as a deliverable.
4. The recipient shall secure sufficient funds to cover all projects costs not financed by the Trust Fund. If the recipient fails to obtain the necessary funds, the grantee shall immediately notify the Department of its inability to proceed with the project due to a lack of funds.
5. For grantees seeking Trust Fund dollars to cover design phases of the project, these expenses may be reimbursed only if the project will be for bid for construction of one year after the grant agreement start date.