

# APPENDICES



APPENDIX

A

AGENCY CONSULTATION AND COORDINATION







## United States Department of the Interior

NATIONAL PARK SERVICE  
National Capital Region  
Rock Creek Park  
3545 Williamsburg Lane, N.W.  
Washington, DC 20008-1207

August 16, 2011

Austina Casey  
Environmental Policy Analyst  
District Department of Transportation  
55 M St. SE, Suite 500  
Washington, DC 20003

Dear Ms. Casey:

The District Department of Transportation, working with the Federal Highway Administration and National Park Service, is preparing an Environmental Assessment in accordance with the National Environmental Policy Act for the rehabilitation of the existing Rock Creek Park Multi-Use Trail in Washington, DC.

As part of this process, we have identified the National Park Service's Preferred Alternative and related options for this project:

- Rock Creek Park Multi-Use Trail Alternative 3: Trail Resurfacing and Widening
- Peirce Mill Trail Spur Option B: 8-foot Paved Trail Spur
- Rose Park Trail Option B: 6-foot Resurfaced Trail

This determination is based on an initial analysis of environmental impacts, comments provided by the public and others, and the professional judgment of decision-makers guided by National Park Service management policies

If you have any questions, please contact Rock Creek Park's Environmental Protection Specialist, Michael Buckler, at 202-895-6076, or by email at [michael\\_buckler@nps.gov](mailto:michael_buckler@nps.gov).

Sincerely,

Tara Morrison  
Superintendent  
Rock Creek Park

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION



Planning, Policy, & Sustainability Administration

December 14, 2010

Mr. Ira Palmer  
District of Columbia Department of Health  
Fish and Wildlife Division  
51 N Street, NE, Room 5002  
Washington, DC 20002

**RE: Request for species of concern information for the Rock Creek Multi-Use Trail  
Environmental Assessment, Washington, DC**

Dear Mr. Palmer:

The District of Columbia Department of Transportation (DDOT), in cooperation with the National Park Service and Federal Highway Administration, is preparing an Environmental Assessment (EA) to assess the potential effects of various alternatives to rehabilitate the existing Rock Creek Multi-Use Trail in Washington, DC. The project location is shown on the attached Project Area map. Rock Creek Park is a 2,100 acre park under the jurisdiction of the NPS. The park is located in the northwest portion of Washington, DC and extends from the Maryland state line south to Virginia Avenue, NW. The proposed action includes the rehabilitation of a 3.7-mile segment of the existing Rock Creek Trail and a 3,000-foot segment of the existing Rose Park Trail.

In compliance with Section 7 of the Endangered Species Act, we request a review of the District of Columbia's natural resources database to determine the potential presence of any district-listed plant or animal species of concern and/or any unique habitat that may occur in the project area. The co-lead agencies are aware of the presence of habitat for the Hayes Spring amphipod (*Stygobromus hayi*) within the project vicinity.

Greenhorne & O'Mara (G&O) is providing consulting services for this project. If you have any questions or need additional information regarding this request, please contact Ms. Sheila Mahoney, of G&O, at 410-683-5700 or via email at smahoney@g-and-o.com or me at 202-671-0494.

Respectfully,

Austina Casey  
Environmental Policy Analyst

Enclosures (2)

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION



Planning, Policy, & Sustainability Administration

December 14, 2010

Mr. Leopoldo Miranda, Field Supervisor  
United States Fish and Wildlife Service  
Chesapeake Bay Field Office  
177 Admiral Cochrane Drive  
Annapolis, MD 21401

**RE: Request for species of concern information for the Rock Creek Multi-Use Trail  
Rehabilitation Environmental Assessment, Washington, DC**

Dear Mr. Miranda:

The District of Columbia Department of Transportation (DDOT), in cooperation with the National Park Service and Federal Highway Administration, is preparing an Environmental Assessment (EA) to assess the potential effects of various alternatives to rehabilitate the existing Rock Creek Multi-Use Trail in Washington, DC. The project location is shown on the attached Project Area map. Rock Creek Park is a 2,100 acre park under the jurisdiction of the NPS. The park is located in the northwest portion of Washington, DC and extends from the Maryland state line south to Virginia Avenue, NW. The proposed action includes the rehabilitation of a 3.7-mile segment of the existing Rock Creek Trail and a 3,000-foot segment of the existing Rose Park Trail.

In compliance with Section 7 of the Endangered Species Act, we request any information concerning federally-listed threatened or endangered plant or animal species and/or any unique habitat that may occur in the project area. The co-lead agencies are aware of the presence of habitat for the Hayes Spring amphipod (*Stygobromus hayi*) within the project vicinity.

Greenhorne & O'Mara (G&O) is providing consulting services for this project. If you have any questions or need additional information regarding this request, please contact Ms. Sheila Mahoney, of G&O, at 410-683-5700 or via email at smahoney@g-and-o.com or me at 202-671-0494.

Respectfully,

A handwritten signature in black ink that reads "Austina Casey".

Austina Casey  
Environmental Policy Analyst

Enclosures (2)

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION



Planning, Policy, & Sustainability Administration

December 14, 2010

Mr. Dan Sealy, Deputy Chief  
National Park Service  
Center for Urban Ecology  
4598 MacArthur Boulevard, NW  
Washington, DC 20007

**RE: Request for species of concern information for the Rock Creek Multi-Use Trail  
Environmental Assessment, Washington, DC**

Dear Mr. Sealy:

The District of Columbia Department of Transportation (DDOT), in cooperation with the National Park Service and Federal Highway Administration, is preparing an Environmental Assessment (EA) to assess the potential effects of various alternatives to rehabilitate the existing Rock Creek Multi-Use Trail in Washington, DC. The project location is shown on the attached Project Area map. Rock Creek Park is a 2,100 acre park under the jurisdiction of the NPS. The park is located in the northwest portion of Washington, DC and extends from the Maryland state line south to Virginia Avenue, NW. The proposed action includes the rehabilitation of a 3.7-mile segment of the existing Rock Creek Trail and a 3,000-foot segment of the existing Rose Park Trail.

In compliance with Section 7 of the Endangered Species Act, we request a review of the District of Columbia's natural resources database to determine the potential presence of any district-listed plant or animal species of concern and/or any unique habitat that may occur in the project area. The co-lead agencies are aware of the presence of habitat for the Hayes Spring amphipod (*Stygobromus hayi*) within the project vicinity.

Greenhorne & O'Mara (G&O) is providing consulting services for this project. If you have any questions or need additional information regarding this request, please contact Ms. Sheila Mahoney, of G&O, at 410-683-5700 or via email at smahoney@g-and-o.com or me at 202-671-0494.

Respectfully,

A handwritten signature in black ink that reads "Austina Casey". The signature is fluid and cursive.

Austina Casey  
Environmental Policy Analyst

Enclosures (2)





IN REPLY REFER TO:

# United States Department of the Interior



## NATIONAL PARK SERVICE

National Capital Region  
Rock Creek Park  
3545 Williamsburg Lane, N.W.  
Washington, D.C. 20008-1207

L7619 (NCA-ROCR)

FEB 25 2009

Tim Buehner, Design Manager  
National Zoo  
3001 Connecticut Avenue, NW  
Washington, D.C. 20008

Re: Proposed Improvements to the Rock Creek Trail between Broad Branch Road and M Street

Dear Mr. Buehner:

The National Park Service, in collaboration with the District of Columbia Department of Transportation (DDOT) and the Federal Highway Administration, is preparing an Environmental Assessment (EA) for proposed improvements to the portion of the Rock Creek Trail between Broad Branch Road and M Street, as well as new connections to this trail. This EA evaluates the potential effects of the proposed improvements in accordance with National Environmental Policy Act of 1969 (NEPA) and the CEQ regulations for implementing NEPA (40 CFR 1500-1508) and in coordination with the actions required for compliance with Section 106 of the National Historic Preservation Act of 1966 and the implementing regulations of the Advisory Council on Historic Preservation's regulation (36 CFR 800). In accordance with these requirements, proposed actions on National Park Service lands must undergo an Environmental Assessment to identify impacts to existing natural, biological, cultural, and environmental resources prior to determining a preferred alternative concept.

The proposed action includes the rehabilitation of a 3.7-mile segment of the existing Rock Creek Trail between P Street and Broad Branch Road and a 3000-foot segment of the existing Rose Park Trail; construction of new trail along Piney Branch Parkway from Beach Drive to Arkansas Avenue at Taylor Street; and construction of a new trail and/or bicycle route adjacent to the exit/entrance ramp connecting P Street to the Rock Creek Parkway. The proposed rehabilitation of existing trails includes resurfacing, trail widening where environmentally feasible, modifications to the trail alignment and road crossings, and additional modifications to improve safety, erosion control and connections to and from the trail. The majority of the proposed improvements occur on National Park Service land, with some additional improvements located on District of Columbia land.

At this stage of the assessment, the National Park Service would appreciate your assistance in identifying important environmental and cultural resources within the project area that should be

addressed as part of the EA or that may be of concern to your agency, citizen group or you as an individual stakeholder. We ask that you please submit your written comments within 21 days of receiving this letter.

Please mail your comments by March 23, 2009 to the consultant preparing the assessment. Responses may be directed to the attention of Eric Feldman, Rhodeside & Harwell, Inc., 320 King Street, Suite 202, Alexandria, VA 22314 (or by email at [ericf@rhodeside-harwell.com](mailto:ericf@rhodeside-harwell.com)). If you have any questions regarding the proposed action, please contact Chris Holben at the District Department of Transportation at 202-671-4617.

Sincerely,

A handwritten signature in black ink, appearing to read 'Adrienne A. Coreman', written over a horizontal line.

Adrienne A. Coreman  
Superintendent, Rock Creek Park



401 9th Street, NW  
North Lobby, Suite 500  
Washington, DC 20004  
Tel 202 462-7200  
Fax 202 462-7272  
www.ncpc.gov

IN REPLY REFER TO:  
NCPC File No. 1200

March 23, 2009

Ms. Adrienne A. Coleman  
Superintendent, Rock Creek Park  
3545 Williamsburg Lane, NW  
Washington, DC 20008-1207

Dear Superintendent Coleman:

Thank you for your letter of February 27, 2009 requesting comments on the scoping phase of the National Park Service's proposed Environmental Assessment (EA) for improvements to a portion of the Rock Creek Trail between Broad Branch Road and M Street, NW. Our comments are based in the Commission's role as the central planning agency for the federal government in the National Capital and relate to our Commission's published plans, policies, and environmental procedures. The proposed trail improvements will also require formal review by the Commission in compliance with Section 8722(b)(1) and (d) of the National Capital Planning Act. As such, the National Capital Planning Commission should be identified in the EA as a cooperating federal agency for NEPA, in accordance with the Commission's submission guidelines.

In addition to studying a range of build alternatives in the EA that complement the Park's mission to preserve and perpetuate the ecological resources of Rock Creek valley, and to preserve its scenic value for the enjoyment of the public, please include the following:

Analysis relative to the *Comprehensive Plan for the National Capital*

Given that the project is a joint federal and District of Columbia effort in the National Capital, please consider in developing and analyzing alternatives the goals and objectives of both the federal and local elements of the *Comprehensive Plan for the National Capital*. On the federal side, these would include open space and park planning, transportation, recreation, visitor, and historic preservation elements.

Stormwater Management

Potential trail renovations or new construction within Rock Creek Park should be planned to allow for an adequate balance between constructed impervious areas and open space for stormwater run-off and retention. Site development should utilize best management procedures/practices to reduce the amount of cut and fill and disturbance within natural drainage

Superintendent Coleman  
Page - 2

areas for any trail improvement area. Such practices will help to mimic the natural or predevelopment condition, thereby maintaining surface water and groundwater quality, and minimizing the generation of off-site transport of pollutants.

#### Forest Corridors and Buffers

The landscape and open space setting of Rock Creek Park that is provided by trees and natural buffers should be protected and enhanced. The natural buffer areas along the trail act as natural barriers, and should be maintained. Additional wooded buffers should also be included to physically augment trail development if possible with the use of Low Impact Development techniques established where feasible. Care should be taken to maintain natural greenery where limited or diminished vegetation presently exists.

Forested streamside and drainage areas along the trail corridor function as critical elements in providing energy to streams in the form of dissolved carbon compounds and organic detritus. These materials are important to processes within the overall watershed itself. The streamside areas function as an important energy source for Rock Creek. Consequently, the removal of forest floor ground surface should be minimized or mitigated in streamside areas within 50 feet of the creek.

#### Historic Attributes

Existing Rock Creek stream valley corridor historic resources and attributes should be considered and potential impacts analyzed in the EA.

Please coordinate your efforts with the Smithsonian's National Zoological Park regarding access to the proposed Trail's pedestrian and bicycle circulation improvements. This coordination will improve not only the Zoo's connections to the adjacent city neighborhoods but to the whole of the Rock Creek Park to accentuate the visitor experience involving these recreation resources.

We appreciate your consideration of our comments and your consultation with us at this stage of the EA planning. If you have any questions about our comments, please contact Nancy Witherell of my staff at (202) 482-7239, who will coordinate this agency's review of any historic property issues, or Eugene Keller at (202) 482-7251, regarding the environmental assessment process or design review issues.

Sincerely,



David W. Levy, RA, AICP  
Director, Urban Design and Plan Review Division

cc: Mr. Eric Feldman  
Rhodeside & Harwell, Inc.

**Eric Feldman**

---

**From:** Rombach, Harry [ROMBAH@si.edu]  
**Sent:** Wednesday, March 18, 2009 4:19 PM  
**To:** Eric Feldman  
**Cc:** Adrienne A. Coleman; Chris.Holben@dc.gov; Tanner, Mary; Nauta-Rodriguez, Debra; Buehner, Tim; Passman, Jane; Park, Sharon; Ballard, Amy; Fillah, Chuck; Muller, Marc  
**Subject:** EA scoping comments re: Rock Creek Trail Improvements  
**Attachments:** 2009-02-25 NPS Bike Trail NEPA Notification.pdf

Dear Mr. Feldman,

Thank you for sending the subject notification and scoping letter to us. This project is of great interest to us because as you know a portion of the Rock Creek Trail runs through the National Zoological Park (NZN). We realize at this point you are only at a scoping phase in your NEPA and NHPA Section 106 processes, but if any conceptual plans or ideas for this project have been produced (especially in and around the NZN), or when they are produced in the future, we would appreciate a briefing as soon as practically possible. At this meeting we could address concerns and looks for coordination opportunities beyond the normal regulatory review processes. By copy of this email letter, we are making this request known to both NPS and DC Department of Transportation. Our input related to your future EA is reflected in the following:

Resources:

Regarding “identifying important environmental and cultural resources in the project area that should be address as part of the EA,” the entire National Zoo property is listed on the National Register of Historic Places. One exception is the Holt House, which is located on the Zoo grounds and is individually listed on the Register.

The Smithsonian recently completed a facilities master planning study, which included an Environmental Assessment. This EA included an Historic Preservation Report, an inventory and evaluation of architectural and landscape resources, and a listing of areas likely to include archeological resources at the National Zoo. The master plan, EA, and associated appendices can be made available and serve as a resource to you.

Concerns:

The following comments represent concerns that we feel should be addressed in your Environmental Assessment and ultimately in the implementation of this project

- As you undoubtedly know, Rock Creek Park and Parkway have been designated as Historic Districts, so historic and cultural resources should be thoroughly investigated in the future EA.
- Given Rock Creek Trail’s use by commuter and recreational bicyclist, hikers, and walkers, and given that these users must cross vehicular traffic at certain points, transportation issues should be extensively investigated. Existing and potential vehicular and user conflicts (and conflicts within the user groups) should be looked at. Along this line, as you may be aware, in the evenings and occasionally for security purposes, we must close the gates to the National Zoo. This has an impact on users of the Trail, especially those on bicycles. This impact and any resolution to it should be included in the EA analysis.
- The Rock Creek valley, through which the Trail traverses, is rich natural and ecological features, all of which need to be considered. At points the Trail comes very close to Rock Creek itself, so flood plain and wetland concerns will need to be an area of emphasis. Also, especially at the creek borders, erosion control and prevention concerns and issues will need to be emphasized.

- Lastly, the area in which this project occurs is rich in visual and aesthetic features, such as buildings, bridges, and vistas. The effects of Trail improvements on these resources should be thoroughly analyzed.

I hope this input is helpful. If you have any questions on anything said here, please let me.

Sincerely,  
*Harry Rombach*



## Smithsonian Institution

**Harry Rombach, R.A.**

Associate Director for Facilities Master Planning

600 Maryland Avenue SW Suite 5001

PO BOX 37012 MRC 511

Washington DC 20013-7012

t: 202.633.6555

f: 202.633.6233



Office of the Director

March 25, 2009

Rhodeside & Harwell, Inc.  
c/o Eric Feldman  
320 King Street  
Suite 202  
Alexandria, Virginia 22314

RE: Proposed Improvements to the Rock Creek Trail between Broad Branch and M Street

Dear Mr. Feldman:

Thank you for contacting the Office of Planning (OP) regarding the above referenced undertaking. OP submits the following in response to your request for assistance in identifying important environmental and cultural resources in the project area that should be addressed as part of the Environmental Assessment (EA). We also want to raise additional points about the opportunity for this project to meet District priorities for connectivity and multi-modal transportation. In this context, OP submits additional comments on these issues for your consideration during the design and environmental assessment processes.

**Cultural & Historic Resources**

The State Historic Preservation Office (SHPO) has responded to this undertaking by providing separate comments to the National Park Service. Of particular concern to the SHPO and also to OP is the lack of detailed information regarding the project area. The NPS letter only included a written description of the approximately four-mile long project area. A project map(s) or more specific boundary description is necessary in order to fully assess the potential impacts on the rich historic and cultural resources of Rock Creek Park and surrounding historic districts. OP requests that additional project area information and maps are provided so that we can provide more specific comments in consultation with the SHPO.

**Connectivity & Transportation**

OP is committed to planning for and promoting multi-modal accessibility to District neighborhoods and key destinations. The proposed improvements to Rock Creek Trail provide a unique opportunity to address key policies outlined in the District's Comprehensive Plan. These include:

***Policy RCE-1.2.4: Rock Creek Park***

*Improve multi-modal access to Rock Creek Park by providing additional parking, public transit service, bicycle trails, and walking paths. Expand outdoor recreational activities at the park to better meet community needs. 2209.4*

***Policy T-2.3.1: Better Integration of Bicycle and Pedestrian Planning***

*Integrate bicycle and pedestrian planning and safety considerations more fully into the planning and design of District roads, transit facilities, public buildings, and parks. 409.8*



**Policy T-2.3.2: Bicycle Network**

*Provide and maintain a safe, direct, and comprehensive bicycle network connecting neighborhoods, employment locations, public facilities, transit stations, parks and other key destinations. Eliminate system gaps to provide continuous bicycle facilities. 409.9*

**Policy T-2.3.3: Bicycle Safety**

*Increase bicycle safety through traffic calming measures, provision of public bicycle parking, enforcement of regulations requiring private bicycle parking, and improving bicycle access where barriers to bicycle travel now exist. 409.10*

**Policy T-2.4.1: Pedestrian Network**

*Develop, maintain, and improve pedestrian facilities. Improve the city's sidewalk system to form a network that links residents across the city. 410.5*

Keeping these policies in mind, OP recommends that NPS and Rhodeside Harwell fully consider the following connectivity and transportation issues in the design and EA processes:

- *Trail Access:* The EA should fully study how users of the trail will access each improved facility and design the facility to encourage arrival by transit, walking and bicycling. The EA should consider visibility of trailheads, routes, crossings and signage from nearby transit stations/stops and bicycle routes. The EA should also assess ease of vehicular access to trail entrances, parking, and parking capacity. Traffic impacts from any changes to trail access on adjacent streets should also be fully studied.
- *Trail Promotion:* Promoting the trail as a transportation route into the central core of the District and viable alternative route for bicyclists currently using parallel roadways, such as 16<sup>th</sup> Street, is critical. An example of this could be using NPS or District websites to clearly indicate trailhead locations, directions and proximity from Metro stations/bus stops.
- *Linking Destinations:* Rock Creek Trail improvements should include clear connections and signage for reaching the National Zoo and other major destinations via the trail. Increasing visitation to the Zoo by transit, walking and bicycling became a priority during the development of the Zoo's updated Master Plan and 2008 EA.
- *Facilities:* Improved trail facilities should meet national best practice standards for a multi-use facility. Trail widths should accommodate diverse users, and adequate widths and sight lines should be preserved to reduce conflicts. Trail improvements should identify locations for and design of a bicycle parking. Where bikes are expected to be parked for a longer term (more than an hour), covered parking should be provided.
- *Design:* Trail improvements should include ample lighting and consideration of personal security concerns. Vegetation should not be added that will obstruct views of the trail.

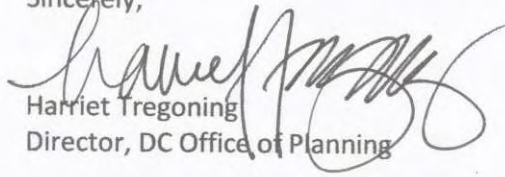
**Neighborhood Impacts**

OP also advocates considering the impact of the rehabilitation and creation of new paths on the adjacent communities. With the potential for increased use of the trails, concern may arise about crime, lighting, loitering and trash; therefore the design process should explore and mitigate potential neighborhood impacts.

OP appreciates the opportunity to provide comments that will be studied in the EA. We welcome the opportunity to work with NPS and Rhodeside Harwell throughout in the next stages of this process. If you have questions, please do not hesitate to contact me, or Geraldine Gardner, Associate Director for Neighborhood Planning, at (202) 442-7600.



Sincerely,



Harriet Tregoning  
Director, DC Office of Planning

HT/ey/gg

cc: Adrienne Coleman, Superintendent, Rock Creek Park, National Parks Service

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION



Planning, Policy, & Sustainability Administration

January 24, 2011

Mr. Joseph C. Lawson  
Division Administrator  
Federal Highway Administration,  
District of Columbia Division  
1990 K St. NW, Suite 510  
Washington, DC 20006

**RE: Scoping Process for the Rock Creek Park Multi-Use Trail Environmental Assessment, Washington, DC**

Dear Mr. Lawson:

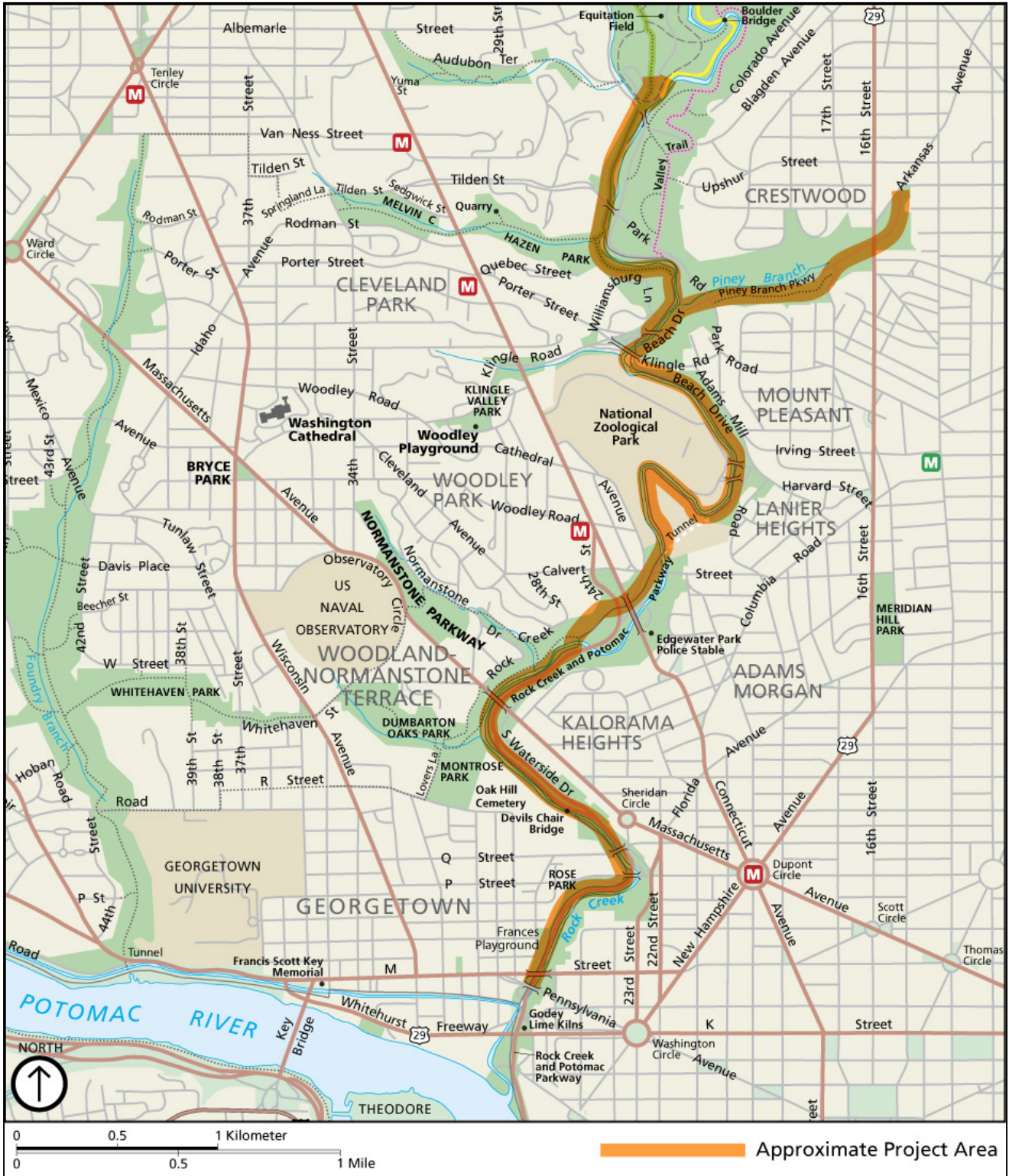
The District of Columbia Department of Transportation (DDOT), in cooperation with the National Park Service (NPS) and Federal Highway Administration (FHWA), is preparing an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA), Section 106 of the National Historic Preservation Act (NHPA), NPS Director's Order #12: *Conservation Planning, Environmental Impacts Analysis and Decision-Making* (NPS 2001), incorporating components of FHWA Technical Advisory T6640.8a; to assess the potential effects of various alternatives to rehabilitate the existing Rock Creek Trail in Washington, DC (Figure 1). The purpose of this letter is to formally invite your agency to be a part of the scoping process for this project.

The proposed project area is located entirely within the Rock Creek Park, which is a 2,100 acre park under the jurisdiction of the NPS. The park is located in the northwest portion of Washington, DC and extends from the Maryland state line south to Virginia Avenue, NW. The proposed action includes the rehabilitation of a 3.7-mile segment of the existing Rock Creek Trail and a 3,000-foot segment of the existing Rose Park Trail; construction of a new trail along Piney Branch Parkway from Beach Drive to Arkansas Avenue at Taylor Street. Main elements of the project include:

- Resurfacing and trail widening of the existing facility at environmentally feasible locations;
- Modifications to the trail alignment and roadway crossings to improve user safety;
- Erosion control; and
- Connections to and from the trail.

Elements of this EA will include documentation of the purpose and need, identification of sensitive environmental resources; development of context sensitive alternatives; evaluation of impacts to cultural, natural, and socio-economic resources; agency and stakeholder coordination; effect to historic and archeological resources; and public involvement.

Figure 1: Project Area Map



The co-lead agencies are focused on identifying important environmental and cultural issues, developing project concepts for trail design, and identifying any concerns regarding the proposed project. We request your assistance in identifying any known environmental or cultural resources or any new, changing, or current environmental regulations that is under your agencies purview, which may be of concern to your agency. An **Agency Scoping Meeting** has been scheduled to provide an overview of the project, discuss the project Purpose and Need, and describe the preliminary alternatives. This meeting has been scheduled for:

**February 15, 2011**  
**1:00-3:00 p.m.**  
Rock Creek Park  
Maintenance Yard Conference Room  
5000 Glover Road  
Washington, DC 20015

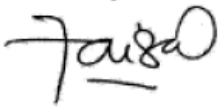
If you have any questions, please feel free to contact the DDOT Project Manager, Austina Casey, at 202-671-0494 or by email at [austina.casey@dc.gov](mailto:austina.casey@dc.gov).

Please mail your scoping comments within 30 days from the date on this letter to:

Austina Casey  
Planning, Policy, & Sustainability Administration  
District Department of Transportation  
2000 14<sup>th</sup> Street, NW, 7<sup>th</sup> Floor  
Washington, DC 20009

[Austina.casey@dc.gov](mailto:Austina.casey@dc.gov)

Respectfully,



Faisal Hameed,  
Chief, Project Development, Environment & Sustainability  
202-671-2326

cc: Nick Bartolomeo, Rock Creek Park  
Cynthia Cox, Rock Creek Park  
Austina Casey, DDOT  
Joel Gorder, NPS National Capital Region  
Michael Hicks, FHWA – DC Division

Mr. Joseph C. Lawson  
Division Administrator  
Federal Highway Administration,  
District of Columbia Division  
1990 K St. NW, Suite 510  
Washington, DC 20006

Mr. Peter May  
Associate Regional Director  
National Capitol Region  
National Park Service  
1100 Ohio Drive, SW  
Washington, DC 20242

Mr. Dennis W. Kelly, Director  
Smithsonian Institution  
National Zoological Park  
3001 Connecticut Avenue, NW  
Washington, DC 20008

Ms. Maria Teresi, Project Manager  
U.S. Army Corps of Engineers  
PO Box 1715  
Baltimore, MD 21203

Ms. Barbara Rudnick, NEPA Team Leader  
U.S. Environmental Protection Agency  
Region 3  
1650 Arch Street  
Philadelphia, PA 19103

Mr. Leopoldo Miranda, Supervisor  
Chesapeake Bay Field Office  
U.S. Fish and Wildlife Service  
177 Admiral Cochrane Drive  
Annapolis, MD 21404

Mr. Tom Luebke, Secretary  
Commission of Fine Arts  
401 F Street, NW, Suite 312  
Washington, DC 20001

Mr. Steven A. Saari  
Watershed Protection Specialist  
District Department of the Environment  
1200 First Street NE, 5<sup>th</sup> Floor  
Washington, DC 20002

Mr. Bryan King  
District Department of the Environment  
Fisheries and Wildlife Division  
51 N Street, NE  
Washington, DC 20002

Mr. Ronaldo Nicholson, Chief Engineer  
DC Department of Transportation  
Infrastructure Project Management Administration  
64 New York Avenue, NE  
Washington, DC 20002

Mr. Jesús Aguirre, Director  
DC Department of Parks and Recreation  
3149 16<sup>th</sup> Street, NW  
Washington, DC 20010

Mr. David Maloney  
State Historic Preservation Officer  
DC Office of Planning/State Historic Preservation Office  
1100 4<sup>th</sup> Street, SW, Suite E650  
Washington, DC 20024

Mr. Andrew Lewis  
Senior Historic Preservation Specialist  
DC Office of Planning/State Historic Preservation Office  
1100 4<sup>th</sup> Street, SW, Suite E650  
Washington, DC 20024

Mr. Ron Kirby  
Director of Transportation Planning,  
MWCOG  
Suite 300  
777 North Capitol Street, NE  
Washington, DC 20002

Mr. Marcel C. Acosta  
Executive Director  
National Capital Planning Commission  
401 9<sup>th</sup> Street NW  
North Lobby, Suite 500  
Washington, DC 20004

Mr. David Levy  
Director, Urban Design and Plan Review  
National Capital Planning Commission  
401 9<sup>th</sup> Street NW  
North Lobby, Suite 500  
Washington, DC 20004

Mr. Bill Dowd  
Director of Planning  
National Capital Planning Commission  
401 9<sup>th</sup> Street NW  
North Lobby, Suite 500  
Washington, DC 20004

Mr. Gerald Francis  
Deputy General Manager  
Washington Metropolitan Area Transit Authority  
600 5<sup>th</sup> Street, NW  
Washington, DC 20001

The Honorable Vincent Gray  
Mayor, District of Columbia  
Office of the Mayor  
1350 Pennsylvania Avenue, NW  
Washington, DC 20005

The Honorable Kwame R. Brown  
Chair, District of Columbia Council  
1350 Pennsylvania Avenue, NW, Suite 504  
Washington, DC 20004

The Honorable Muriel Bowser  
Ward 4 Councilmember  
1350 Pennsylvania Avenue, NW, Suite 110  
Washington, DC 20004

The Honorable Mary M. Cheh  
Ward 3 Councilmember  
1350 Pennsylvania Avenue, NW, Suite 108  
Washington, DC 20004

Mr. George S. Hawkins  
General Manager  
DC Water  
5000 Overlook Drive  
Washington, DC 20032

Mr. Robert Brown  
Potomac Electric Power Company  
3400 Benning Rd., N.E.  
Washington, DC 20019

Mr. Allan Melliza  
Washington Gas Co.  
6801 Industrial Road  
Springfield, VA 22151

Mr. Wilson Reynolds  
Commissioner Chair, ANC-1C  
1812 Calvert St., NW  
Washington, DC 20008

Mr. Gregg Edwards  
Commissioner Chair, ANC-1D  
1647 Lamont Street, NW, #201  
Washington, DC 20010

Ms. Rebecca Coder  
Commissioner Chair, ANC-2A  
2501 M Street, NW #721  
Washington, DC 20037

Mr. Will Stephens  
Commissioner Chair, ANC-2B  
9 Dupont Circle, NW  
Washington, DC 20036

Mr. Eric Lamarn  
Commissioner, ANC-2D  
2122 California St. NW #62  
Washington, DC 20008

Mr. Ron Lewis  
Commissioner Chair, ANC-2E  
3400 Reservoir Road  
Washington, DC 20007

Ms. Anne-Marie Bairstow  
Commissioner Chair, ANC-3C  
2802 27th Street NW  
Washington, DC 20008

Ms. Karen Perry  
Commissioner Chair, ANC-3F  
3003 Van Ness St., NW  
Washington, DC 20008

Ms. Gale Black  
Commissioner, ANC-4A  
1761 Crestwood Drive NW  
Washington, DC 20011

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION



Planning, Policy, & Sustainability Administration

December 14, 2010

Mr. John M. Fowler, Executive Director  
Advisory Council on Historic Preservation  
Old Post Office Building  
1100 Pennsylvania Avenue, NW, Suite 803  
Washington, DC 20004

**RE: Rock Creek Park Multi-Use Trail: Environmental Assessment Scoping and Section 106 Consultation**

Dear Mr. Fowler:

The District of Columbia Department of Transportation (DDOT), in cooperation with the National Park Service and Federal Highway Administration, is preparing an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA) to assess the potential effects of various alternatives to rehabilitate the existing Rock Creek Park Multi-Use Trail in Washington, DC (attached). The project will consider the effects to historic properties in accordance with the requirements of Section 106 of the National Historic Preservation Act (16 U.S.C. §470) and its implementing regulations, 36 CFR Part 800. The purpose of this letter is to formally invite the Advisory Council on Historic Preservation to be a part of the scoping process for this project and to initiate Section 106 consultation for this project.

The proposed project area parallels Rock Creek through the following Historic Districts located on the National Register of Historic Places: Rock Creek Park, Rock Creek and Potomac Parkway, and the National Zoological Park. These Historic Districts are located in the northwest portion of Washington, DC, and, together, extend from the Maryland state line south to Virginia Avenue, NW. The proposed action includes the rehabilitation of a 3.7-mile segment of the existing Rock Creek Park Multi-Use Trail and a 3,000-foot segment of the existing Rose Park Trail; construction of a new trail along Piney Branch Parkway from Beach Drive to Arkansas Avenue at Taylor Street; and the construction of a new trail and/or bicycle route adjacent to the exit/entrance ramp connecting P Street to the Rock Creek Parkway.

Main elements of the project include:

- Resurfacing and trail widening of the existing facility at environmentally feasible and historically appropriate locations;
- Modifications to the trail alignment and roadway crossings to improve user safety;
- Erosion control; and
- Connections to and from the trail.

Elements of this EA will include documentation of the purpose and need; identification of sensitive environmental resources; development of context sensitive alternatives; evaluation of impacts to cultural,



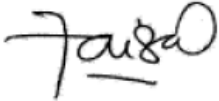
natural, and socio-economic resources; agency and stakeholder coordination; effects to historic and archeological resources; and public involvement.

Please forward your comments on the proposed Rock Creek Park Multi-Use Trail EA to Ms. Austina Casey at:

Austina Casey  
Environmental Policy Analyst  
Planning, Policy, & Sustainability Administration  
District Department of Transportation  
2000 14<sup>th</sup> Street, NW, 7<sup>th</sup> Floor  
Washington, DC 20009

Austina.casey@dc.gov

Sincerely,



Faisal Hameed  
Chief, Project Development, Environment & Sustainability  
202-671-2326

Enclosures

cc: Nick Bartolomeo, Rock Creek Park  
Cynthia Cox, Rock Creek Park  
Steve Callcott, DC HPO  
Austina Casey, DDOT  
Joel Gorder, NPS National Capital Region  
Michael Hicks, FHWA – DC Division  
Carol Legard, ACHP  
Andrew Lewis, DC HPO

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
DEPARTMENT OF TRANSPORTATION



Planning, Policy, & Sustainability Administration

December 14, 2010

Mr. David Maloney  
District of Columbia Historic Preservation Office  
1100 4<sup>th</sup> Street, SW  
Suite E650  
Washington, DC 20024

**RE: Rock Creek Park Multi-Use Trail: Environmental Assessment Scoping and Section 106 Consultation**

Dear Mr. Maloney:

The District of Columbia Department of Transportation (DDOT), in cooperation with the National Park Service and Federal Highway Administration, is preparing an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA) to assess the potential effects of various alternatives to rehabilitate the existing Rock Creek Park Multi-Use Trail in Washington, DC (attached). The project will consider the effects to historic properties in accordance with the requirements of Section 106 of the National Historic Preservation Act (16 U.S.C. §470) and its implementing regulations, 36 CFR Part 800. The purpose of this letter is to formally invite the District of Columbia Historic Preservation Office to be a part of the scoping process for this project and to initiate Section 106 consultation for this project.

The proposed project area parallels Rock Creek through the following Historic Districts located on the National Register of Historic Places: Rock Creek Park, Rock Creek and Potomac Parkway, and the National Zoological Park. These Historic Districts are located in the northwest portion of Washington, DC, and, together, extend from the Maryland state line south to Virginia Avenue, NW. The proposed action includes the rehabilitation of a 3.7-mile segment of the existing Rock Creek Trail and a 3,000-foot segment of the existing Rose Park Trail; construction of a new trail along Piney Branch Parkway from Beach Drive to Arkansas Avenue at Taylor Street; and the construction of a new trail and/or bicycle route adjacent to the exit/entrance ramp connecting P Street to the Rock Creek Parkway. Main elements of the project include:

- Resurfacing and trail widening of the existing facility at environmentally feasible and historically appropriate locations;
- Modifications to the trail alignment and roadway crossings to improve user safety;
- Erosion control; and
- Connections to and from the trail.

Elements of this EA will include documentation of the purpose and need; identification of sensitive environmental resources; development of context sensitive alternatives; evaluation of impacts to cultural,

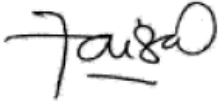
natural, and socio-economic resources; agency and stakeholder coordination; effects to historic and archeological resources; and public involvement.

Please forward your comments on the proposed Rock Creek Park Multi-Use Trail EA to Ms. Austina Casey at:

Austina Casey  
Environmental Policy Analyst  
Planning, Policy, & Sustainability Administration  
District Department of Transportation  
2000 14<sup>th</sup> Street, NW, 7<sup>th</sup> Floor  
Washington, DC 20009

Austina.casey@dc.gov

Sincerely,



Faisal Hameed  
Chief, Project Development, Environment & Sustainability  
202-671-2326

Enclosures

cc: Nick Bartolomeo, Rock Creek Park  
Cynthia Cox, Rock Creek Park  
Steve Callcott, DC HPO  
Austina Casey, DDOT  
Joel Gorder, NPS National Capital Region  
Michael Hicks, FHWA – DC Division  
Carol Legard, ACHP  
Andrew Lewis, DC HPO



APPENDIX

B

DISTRIBUTION





## **Federal/Regional Agencies**

Mr. Joseph C. Lawson  
Division Administrator  
Federal Highway Administration,  
District of Columbia Division  
1990 K St. NW, Suite 510  
Washington, DC 20006

Mr. Peter May  
Associate Regional Director  
National Capitol Region  
National Park Service  
1100 Ohio Drive, SW  
Washington, DC 20242

Mr. Dennis W. Kelly, Director  
Smithsonian Institution  
National Zoological Park  
3001 Connecticut Avenue, NW  
Washington, DC 20008

Ms. Maria Teresi  
Project Manager  
U.S. Army Corps of Engineers  
PO Box 1715  
Baltimore, MD 21203

Ms. Barbara Rudnick  
NEPA Team Leader  
U.S. Environmental Protection Agency  
Region 3  
1650 Arch Street  
Philadelphia, PA 19103

Mr. Leopoldo Miranda  
Supervisor  
Chesapeake Bay Field Office  
U.S. Fish and Wildlife Service  
177 Admiral Cochrane Drive  
Annapolis, MD 21404

## **District Agencies**

Mr. Tom Luebke  
Secretary  
Commission of Fine Arts  
401 F Street, NW, Suite 312  
Washington, DC 20001

Mr. Bryan King  
District Department of the Environment  
Fisheries and Wildlife Division  
1200 First Street, NE 5th Floor  
Washington, DC 20002

Mr. Jesús Aguirre  
Director  
DC Department of Parks and Recreation  
3149 16<sup>th</sup> Street, NW  
Washington, DC 20010

Mr. Andrew Lewis  
Senior Historic Preservation Specialist  
DC Office of Planning/State Historic Preservation  
Office  
1100 4<sup>th</sup> Street, SW, Suite E650  
Washington, DC 20024

Mr. Steven A. Saari  
Watershed Protection Specialist  
District Department of the Environment  
1200 First Street NE, 5<sup>th</sup> Floor  
Washington, DC 20002

Mr. Ronaldo Nicholson  
Chief Engineer  
DC Department of Transportation  
Infrastructure Project Management Administration  
64 New York Avenue, NE  
Washington, DC 20002

Mr. David Maloney  
State Historic Preservation Officer  
DC Office of Planning/State Historic Preservation  
Office  
1100 4<sup>th</sup> Street, SW, Suite E650  
Washington, DC 20024

Mr. Ron Kirby  
Director of Transportation Planning, MWCOG  
Suite 300, 777 North Capitol Street, NE  
Washington, DC 20002

Mr. Marcel C. Acosta  
Executive Director  
National Capital Planning Commission  
401 9<sup>th</sup> Street NW  
North Lobby, Suite 500  
Washington, DC 20004

Mr. David Levy  
Director, Urban Design and Plan Review  
National Capital Planning Commission  
401 9<sup>th</sup> Street NW  
North Lobby, Suite 500  
Washington, DC 20004

Mr. Bill Dowd  
Director of Planning  
National Capital Planning Commission  
401 9<sup>th</sup> Street NW  
North Lobby, Suite 500  
Washington, DC 20004

Mr. Gerald Francis  
Deputy General Manager  
Washington Metropolitan Area Transit Authority  
600 5<sup>th</sup> Street, NW  
Washington, DC 20001

### **District Elected Officials**

The Honorable Vincent Gray  
Mayor, District of Columbia  
Office of the Mayor  
1350 Pennsylvania Avenue, NW  
Washington, DC 20005

The Honorable Muriel Bowser  
Ward 4 Councilmember  
1350 Pennsylvania Avenue, NW, Suite 110  
Washington, DC 20004

The Honorable Kwame R. Brown  
Chair, District of Columbia Council  
1350 Pennsylvania Avenue, NW, Suite 504  
Washington, DC 20004

The Honorable Mary M. Cheh  
Ward 3 Councilmember  
1350 Pennsylvania Avenue, NW, Suite 108  
Washington, DC 20004

### **Utilities**

Mr. George S. Hawkins  
General Manager  
DC Water  
5000 Overlook Drive  
Washington, DC 20032

Mr. Robert Brown  
Potomac Electric Power Company  
3400 Benning Rd., N.E.  
Washington, DC 20019

Mr. Allan Melliza  
Washington Gas Co.  
6801 Industrial Road  
Springfield, VA 22151

### **Advisory Neighborhood Commissions**

Mr. Wilson Reynolds  
Commissioner Chair, ANC-1C  
1812 Calvert St., NW  
Washington, DC 20008

Mr. Gregg Edwards  
Commissioner Chair, ANC-1D  
1647 Lamont Street, NW, #201  
Washington, DC 20010



Ms. Rebecca Coder  
Commissioner Chair, ANC-2A  
2501 M Street, NW #721  
Washington, DC 20037

Mr. Will Stephens  
Commissioner Chair, ANC-2B  
9 Dupont Circle, NW  
Washington, DC 20036

Mr. Eric Lamar  
Commissioner, ANC-2D  
2122 California St. NW #62  
Washington, DC 20008

Ms. Gale Black  
Commissioner, ANC-4A  
1761 Crestwood Drive NW  
Washington, DC 20011

Mr. Ron Lewis  
Commissioner Chair, ANC-2E  
3400 Reservoir Road  
Washington, DC 20007

Ms. Anne-Marie Bairstow  
Commissioner Chair, ANC-3C  
2802 27th Street NW  
Washington, DC 20008

Ms. Karen Perry  
Commissioner Chair, ANC-3F  
3003 Van Ness St., NW  
Washington, DC 20008



APPENDIX

C

COST ESTIMATES FOR THE ACTION ALTERNATIVES AND OPTIONS







ROCK CREEK PARK MULTI-USE TRAIL REHABILITATION  
**ALTERNATIVE 2: TRAIL RESURFACING**

**CONSTRUCTION COST ESTIMATE (Preliminary)**

CATEGORY	COST
TRAIL IMPROVEMENTS	\$ 999,814
MAINTENANCE OF TRAFFIC	\$ 100,000
STORMWATER MANAGEMENT IMPROVEMENTS	\$ 198,981
UTILITY IMPROVEMENTS	\$ 43,000
STRUCTURAL IMPROVEMENTS	\$ 990,000
LANDSCAPING	\$ 218,880
<b>SUB TOTAL</b>	\$ 2,550,675
	CONTINGENCY \$ 1,000,000
<b>SUB TOTAL</b>	<b>TOTAL DIRECT COST \$ 3,550,675</b>
	ENGINEERING DESIGN AND CONSTRUCTION SERVICES \$ 887,669
	TOTAL INCLUDING CONTINGENCY AND DESIGN/SERVICES \$ 4,438,344
	<b>TOTAL \$ 4,438,344</b>

PRELIMINARY ROUNDED TOTAL \$ 4,439,000



**ROCK CREEK PARK MULTI-USE TRAIL REHABILITATION  
ALTERNATIVE 2: TRAIL RESURFACING**

**CONSTRUCTION COST ESTIMATE (Preliminary Plan)**

Item	Description	Unit	Unit Cost	Quantity	Total Cost
<b>TRAIL IMPROVEMENTS</b>					
201030	CLASS 1 EXCAVATION	CY	\$52.50	200	\$10,500
202065	BORROW EXCAVATION	CY	\$63.00	100	\$6,300
	SELECT BACKFILL	CY	\$49.00	167	\$8,197
210025	REMOVAL OF EXISTING PAVEMENT	CY	\$91.00	167	\$15,222
504212	HOT MIX ASPHALT SUPERPAVE 12.5MM FOR BASE, PG 64-22, LEVEL 2 (2")	TON	\$75.00	244	\$18,300
520113	6 INCH GRADED AGGREGATE BASE (4 Lifts)	SY	\$38.15	8,296	\$316,492
504206	HOT MIX ASPHALT SUPERPAVE 12.5MM FOR SURFACE, PG 64-22, LEVEL 2 (4")	TON	\$85.00	4,877	\$414,569
614006	PCC Half-Section Curb Barrier	LF	\$120.00	812	\$97,440
609016	PCC Curb, 13 to 15 Inch Depth	LF	\$20.60	551	\$11,351
609020	PCC Circular Curb, 13 to 15 Inch Depth	LF	\$22.50	1,023	\$23,018
608004	PCC Sidewalk, 4 Inch	SF	\$5.00	3,018	\$15,090
402002	Superpave Base Course, 19 mm (Two 3.5" Lifts)	TON	\$75.00	37	\$2,759
209002	Aggregate Base Course (Two 6" Lifts)	CY	\$42.00	112	\$4,695
402010	Superpave Surface Course, 9.5 mm (One 2" Lift)	TON	\$85.00	246	\$20,882
	Aggregate for Drainage (Check Dams)	LS	\$35,000.00	1	\$35,000
<b>SUBTOTAL</b>					<b>\$999,814</b>
<b>MAINTENANCE OF TRAFFIC</b>					
		LS	\$100,000.00	1	\$100,000
<b>SUBTOTAL</b>					<b>\$100,000</b>
<b>STORMWATER MANAGEMENT IMPROVEMENTS</b>					
	10% of TRAIL and STRUCTURAL IMPROVEMENTS				\$198,981
<b>SUBTOTAL</b>					<b>\$198,981</b>
<b>UTILITY IMPROVEMENTS</b>					
	Remove and/or Reset Misc. Utilities	LS	\$43,000.00	1	\$43,000
<b>SUBTOTAL</b>					<b>\$43,000</b>
<b>STRUCTURAL IMPROVEMENTS</b>					
400000	Timber Retaining Wall	LF	\$500.00	40	\$20,000
400000	Stone Retaining Wall Restoration of Damaged Section (Piney Branch)	LF	\$2,500.00	65	\$162,500
400000	Stone Retaining Wall Repointing (Piney Branch)	LF	\$100.00	1,075	\$107,500
400000	Pedestrian Bridge Construction	SF	\$350.00	2,000	\$700,000
<b>SUBTOTAL</b>					<b>\$990,000</b>
<b>LANDSCAPING</b>					
	10% of TRAIL, STRUCTURAL, and SWM IMPROVEMENTS				\$218,880
<b>SUBTOTAL</b>					<b>\$218,880</b>
<b>SUB TOTAL</b>					<b>\$2,550,675</b>
<b>CONTINGENCY</b>					<b>\$1,000,000</b>
<b>SUB TOTAL DIRECT COST</b>					<b>\$3,550,675</b>
<b>ENGINEERING DESIGN AND CONSTRUCTION SERVICES</b>					<b>\$887,669</b>
<b>TOTAL INCLUDING CONTINGENCY AND DESIGN SERVICES</b>					<b>\$4,438,344</b>



ROCK CREEK TRAIL MULTI-USE TRAIL REHABILITATION  
**ALTERNATIVE 3: TRAIL RESURFACING AND WIDENING**

**CONSTRUCTION COST ESTIMATE (Preliminary)**

CATEGORY	COST
TRAIL IMPROVEMENTS	\$ 2,990,006
MAINTENANCE OF TRAFFIC	\$ 100,000
STORMWATER MANAGEMENT IMPROVEMENTS	\$ 398,001
UTILITY IMPROVEMENTS	\$ 43,000
STRUCTURAL IMPROVEMENTS	\$ 990,000
LANDSCAPING	\$ 437,801
<b>SUB TOTAL</b>	\$ 4,958,807
	CONTINGENCY \$ 1,000,000
<b>SUB TOTAL</b>	TOTAL DIRECT COST \$ 5,958,807
	ENGINEERING DESIGN AND CONSTRUCTION SERVICES \$ 1,489,702
	TOTAL INCLUDING CONTINGENCY AND DESIGN/SERVICES \$ 7,448,509
	<b>TOTAL \$ 7,448,509</b>

PRELIMINARY TOTAL \$ 7,449,000



**ROCK CREEK TRAIL MULTI-USE TRAIL REHABILITATION  
ALTERNATIVE 3: TRAIL RESURFACING AND WIDENING**

**CONSTRUCTION COST ESTIMATE (Preliminary Plan)**

Item	Description	Unit	Unit Cost	Quantity	Total Cost
<b>TRAIL IMPROVEMENTS</b>					
201030	CLASS 1 EXCAVATION	CY	\$52.50	2,641	\$138,653
202065	BORROW EXCAVATION	CY	\$63.00	3,602	\$226,926
	SELECT BACKFILL	CY	\$49.00	165	\$8,085
210025	REMOVAL OF EXISTING PAVEMENT	CY	\$91.00	165	\$15,015
504212	HOT MIX ASPHALT SUPERPAVE 12.5MM FOR BASE, PG 64-22, LEVEL 2 (2")	TON	\$75.00	1,366	\$102,453
520113	6 INCH GRADED AGGREGATE BASE (4 Lifts)	SY	\$38.15	46,445	\$1,771,889
504206	HOT MIX ASPHALT SUPERPAVE 12.5MM FOR SURFACE, PG 64-22, LEVEL 2 (4")	TON	\$85.00	6,079	\$516,751
614006	PCC Half-Section Curb Barrier	LF	\$120.00	812	\$97,440
609016	PCC Curb, 13 to 15 Inch Depth	LF	\$20.60	551	\$11,351
609020	PCC Circular Curb, 13 to 15 Inch Depth	LF	\$22.50	1,023	\$23,018
608004	PCC Sidewalk, 4 Inch	SF	\$5.00	3,018	\$15,090
402002	Superpave Base Course, 19 mm (Two 3.5" Lifts)	TON	\$75.00	37	\$2,759
209002	Aggregate Base Course (Two 6" Lifts)	CY	\$42.00	112	\$4,695
402010	Superpave Surface Course, 9.5 mm (One 2" Lift)	TON	\$85.00	246	\$20,882
	Aggregate for Drainage (Check Dams)	LS	\$35,000.00	1	\$35,000
	<b>SUBTOTAL</b>				<b>\$2,990,006</b>
<b>MAINTENANCE OF TRAFFIC</b>					
		LS	\$100,000.00	1	\$100,000
	<b>SUBTOTAL</b>				<b>\$100,000</b>
<b>STORMWATER MANAGEMENT IMPROVEMENTS</b>					
	10% of TRAIL and STRUCTURAL IMPROVEMENTS				\$398,001
	<b>SUBTOTAL</b>				<b>\$398,001</b>
<b>UTILITY IMPROVEMENTS</b>					
	Remove and/or Reset Misc. Utilities	LS	\$43,000.00	1	\$43,000
	<b>SUBTOTAL</b>				<b>\$43,000</b>
<b>STRUCTURAL IMPROVEMENTS</b>					
400000	Timber Retaining Wall	LF	\$500.00	40	\$20,000
400000	Stone Retaining Wall Restoration of Damaged Section (Piney Branch)	LF	\$2,500.00	65	\$162,500
400000	Stone Retaining Wall Repointing (Piney Branch)	LF	\$100.00	1,075	\$107,500
400000	Pedestrian Bridge Construction	SF	\$350.00	2,000	\$700,000
	<b>SUBTOTAL</b>				<b>\$990,000</b>
<b>LANDSCAPING</b>					
	10% of TRAIL, STRUCTURAL, and SWM IMPROVEMENTS				\$437,801
	<b>SUBTOTAL</b>				<b>\$437,801</b>
	<b>SUB TOTAL</b>				<b>\$4,958,807</b>
	<b>CONTINGENCY</b>				<b>\$1,000,000</b>
	<b>SUB TOTAL DIRECT COST</b>				<b>\$5,958,807</b>
	<b>ENGINEERING DESIGN AND CONSTRUCTION SERVICES</b>				<b>\$1,489,702</b>
	<b>TOTAL INCLUDING CONTINGENCY AND DESIGN SERVICES</b>				<b>\$7,448,509</b>





ROCK CREEK PARK MULTI-USE TRAIL REHABILITATION  
**PEIRCE MILL TRAIL SPUR OPTION B: 8 FOOT PAVED TRAIL SPUR**

**CONSTRUCTION COST ESTIMATE (Preliminary)**

CATEGORY	COST
TRAIL IMPROVEMENTS	\$ 195,514
STORMWATER MANAGEMENT IMPROVEMENTS	\$ 19,551
LANDSCAPING	\$ 21,507
<b>SUB TOTAL</b>	\$ 236,572
	CONTINGENCY (40%) \$ 94,629
<b>SUB TOTAL</b>	<b>TOTAL DIRECT COST \$ 331,201</b>
	ENGINEERING DESIGN AND CONSTRUCTION SERVICES \$ 82,800
	TOTAL INCLUDING CONTINGENCY AND DESIGN/SERVICES \$ 414,001
	<b>TOTAL \$ 414,001</b>

PRELIMINARY ROUNDED TOTAL \$ 415,000



**ROCK CREEK PARK MULTI-USE TRAIL REHABILITATION  
PEIRCE MILL TRAIL SPUR OPTION B: 8 FOOT PAVED TRAIL SPUR**

**CONSTRUCTION COST ESTIMATE (Preliminary Plan)**

Item	Description	Unit	Unit Cost	Quantity	Total Cost
<b>TRAIL IMPROVEMENTS</b>					
504212	HOT MIX ASPHALT SUPERPAVE 12.5MM FOR BASE, PG 64-22, LEVEL 2 (2")	TON	\$75.00	127	\$9,509
520113	6 INCH GRADED AGGREGATE BASE (4 Lifts)	SY	\$38.15	4,311	\$164,452
504206	HOT MIX ASPHALT SUPERPAVE 12.5MM FOR SURFACE, PG 64-22, LEVEL 2 (4")	TON	\$85.00	254	\$21,553
<b>SUBTOTAL</b>					<b>\$195,514</b>
<b>STORMWATER MANAGEMENT IMPROVEMENTS</b>					
	10% of TRAIL IMPROVEMENTS				\$19,551
<b>SUBTOTAL</b>					<b>\$19,551</b>
<b>LANDSCAPING</b>					
	10% of TRAIL and SWM IMPROVEMENTS				\$21,507
<b>SUBTOTAL</b>					<b>\$21,507</b>
<b>SUB TOTAL</b>					<b>\$236,572</b>
<b>CONTINGENCY</b>					<b>\$94,629</b>
<b>SUB TOTAL DIRECT COST</b>					<b>\$331,201</b>
<b>ENGINEERING DESIGN AND CONSTRUCTION SERVICES</b>					<b>\$82,800</b>
<b>TOTAL INCLUDING CONTINGENCY AND DESIGN SERVICES</b>					<b>\$414,001</b>



ROCK CREEK PARK MULTI-USE TRAIL REHABILITATION  
**ROSE PARK TRAIL OPTION B: 6 FOOT RESURFACED TRAIL**

**CONSTRUCTION COST ESTIMATE (Preliminary)**

CATEGORY	COST
TRAIL IMPROVEMENTS	\$ 105,204
STORMWATER MANAGEMENT IMPROVEMENTS	\$ 10,520
LANDSCAPING	\$ 11,572
<b>SUB TOTAL</b>	\$ 127,297
	CONTINGENCY (40%) \$ 50,919
<b>SUB TOTAL</b>	TOTAL DIRECT COST \$ 178,216
	ENGINEERING DESIGN AND CONSTRUCTION SERVICES \$ 44,554
	TOTAL INCLUDING CONTINGENCY AND DESIGN/SERVICES \$ 222,770
	<b>TOTAL \$ 222,770</b>
	PRELIMINARY ROUNDED TOTAL \$ 223,000



**ROCK CREEK PARK MULTI-USE TRAIL REHABILITATION  
ROSE PARK TRAIL OPTION B: 6 FOOT RESURFACED TRAIL**

**CONSTRUCTION COST ESTIMATE (Preliminary Plan)**

Item	Description	Unit	Unit Cost	Quantity	Total Cost
<b>TRAIL IMPROVEMENTS</b>					
504212	HOT MIX ASPHALT SUPERPAVE 12.5MM FOR BASE, PG 64-22, LEVEL 2 (2")	TON	\$75.00	58	\$4,337
520113	6 INCH GRADED AGGREGATE BASE (4 Lifts)	SY	\$38.15	1,966	\$75,011
504206	HOT MIX ASPHALT SUPERPAVE 12.5MM FOR SURFACE, PG 64-22, LEVEL 2 (4")	TON	\$85.00	304	\$25,856
<b>SUBTOTAL</b>					<b>\$105,204</b>
<b>STORMWATER MANAGEMENT IMPROVEMENTS</b>					
	10% of TRAIL IMPROVEMENTS				\$10,520
<b>SUBTOTAL</b>					<b>\$10,520</b>
<b>LANDSCAPING</b>					
	10% of TRAIL and SWM IMPROVEMENTS				\$11,572
<b>SUBTOTAL</b>					<b>\$11,572</b>
<b>SUB TOTAL</b>					<b>\$127,297</b>
<b>CONTINGENCY</b>					<b>\$50,919</b>
<b>SUB TOTAL DIRECT COST</b>					<b>\$178,216</b>
<b>ENGINEERING DESIGN AND CONSTRUCTION SERVICES</b>					<b>\$44,554</b>
<b>TOTAL INCLUDING CONTINGENCY AND DESIGN SERVICES</b>					<b>\$222,770</b>



ROCK CREEK PARK MULTI-USE TRAIL REHABILITATION  
**ROSE PARK TRAIL OPTION C: 8 FOOT RESURFACED TRAIL**

**CONSTRUCTION COST ESTIMATE (Preliminary)**

CATEGORY	COST
TRAIL IMPROVEMENTS	\$ 180,245
STORMWATER MANAGEMENT IMPROVEMENTS	\$ 18,025
LANDSCAPING	\$ 19,827
<b>SUB TOTAL</b>	<b>\$ 218,097</b>
	CONTINGENCY (40%) \$ 87,239
<b>SUB TOTAL</b>	<b>TOTAL DIRECT COST \$ 305,335</b>
	ENGINEERING DESIGN AND CONSTRUCTION SERVICES \$ 76,334
	TOTAL INCLUDING CONTINGENCY AND DESIGN/SERVICES \$ 381,669
	<b>TOTAL \$ 381,669</b>
	PRELIMINARY ROUNDED TOTAL \$ 382,000



**ROCK CREEK PARK MULTI-USE TRAIL REHABILITATION  
ROSE PARK TRAIL OPTION C: 8 FOOT RESURFACED TRAIL**

**CONSTRUCTION COST ESTIMATE (Preliminary Plan)**

Item	Description	Unit	Unit Cost	Quantity	Total Cost
<b>TRAIL IMPROVEMENTS</b>					
504212	HOT MIX ASPHALT SUPERPAVE 12.5MM FOR BASE, PG 64-22, LEVEL 2 (2")	TON	\$75.00	106	\$7,966
520113	6 INCH GRADED AGGREGATE BASE (4 Lifts)	SY	\$38.15	3,611	\$137,764
504206	HOT MIX ASPHALT SUPERPAVE 12.5MM FOR SURFACE, PG 64-22, LEVEL 2 (4")	TON	\$85.00	406	\$34,516
<b>SUBTOTAL</b>					<b>\$180,245</b>
<b>STORMWATER MANAGEMENT IMPROVEMENTS</b>					
	10% of TRAIL IMPROVEMENTS				\$18,025
<b>SUBTOTAL</b>					<b>\$18,025</b>
<b>LANDSCAPING</b>					
	10% of TRAIL IMPROVEMENTS, and SWM IMPROVEMENTS				\$19,827
<b>SUBTOTAL</b>					<b>\$19,827</b>
<b>SUB TOTAL</b>					<b>\$218,097</b>
<b>CONTINGENCY</b>					<b>\$87,239</b>
<b>SUB TOTAL DIRECT COST</b>					<b>\$305,335</b>
<b>ENGINEERING DESIGN AND CONSTRUCTION SERVICES</b>					<b>\$76,334</b>
<b>TOTAL INCLUDING CONTINGENCY AND DESIGN SERVICES</b>					<b>\$381,669</b>