

# **CONSULTATION AND COORDINATION**

---

[This page intentionally left blank.]

## PUBLIC INVOLVEMENT IN DEVELOPMENT OF THE PLAN

The National Park Service began the process for an environmental assessment for visitor transportation services in the Washington, D.C., in November 2001 with a meeting for appropriate park staff and resource professionals. As part of this process, the National Park Service reviewed previous studies for tour bus management, visitor parking needs, and low-cost frequent bus services. This process defined the project's purpose and need, identified potential actions to address the need, and determined the likely issues and impact topics.

### **PUBLIC SCOPING**

---

In accordance with the National Environmental Policy Act, the National Park Service conducted public scoping to allow citizens and public agencies to identify issues that should be addressed in the document, including alternatives, potential impacts, and suggested mitigation measures. NPS *Director's Order #75A: Civic Engagement and Public Involvement* provides specific direction for this process (NPS 2003b).

The National Park Service initiated public scoping in March 2002, meeting with public agencies that have a role in visitor transportation services in the Washington, D.C., metropolitan area. During the development of preliminary visitor transportation service concepts in July 2002, the Park Service determined that additional research should be conducted on visitor preferences and needs for transportation services. As a result, a visitor survey was conducted during the spring and summer of 2003 for what is now the National Mall & Memorial Parks, and the results were published as the *Washington, D.C., Visitor Transportation Survey* (NPS 2003f).

In January 2004 the National Park Service distributed the first visitor transportation service newsletter to the public. The news-

letter described the study, including its purpose, need, and goals; background information on the planning process; a history of NPS visitor transportation policy; a summary of the case study for urban visitor transportation and local comparable services; and a summary of the visitor transportation survey results. The essential "building blocks" for developing potential visitor transportation services were also discussed. A comment response form asked for feedback about study goals, future services, some of the transportation options used in other communities, and what approaches to visitor transportation were important to consider and explore.

After the release of the first newsletter, four public meetings were held in February 2004, two in the District and two in Arlington, Virginia. The meetings gathered public feedback about the scope of the project and the development of alternative concepts. Participants commented about access, visitors and multiple users, information and orientation, transportation service concepts, infrastructure and the physical environment, and coordination, cooperation, and responsibilities (see the *Scoping Report* for more detail; NPS 2005i).

In September 2004 a second newsletter summarized public feedback, presented the range of preliminary alternatives, and explained the process by which public input would be considered as alternatives were further refined. In December 2004 the National Park Service held one additional public meeting to share further details on the decision-making process for developing a preferred alternative.

Public comments were received by means of formal letters from federal, state, and local agencies, and from organizations; newsletter comment forms; and e-mails from interested groups or individuals. Primary concerns included improved access to visitor destinations; transit service that would be available

and convenient to different users (visitors, workers, etc.); connections with other transit services; improved information (education and orientation); flexibility in ticket/fare options; improved access for transit users with special mobility needs; and clarification of the policy for Segway® HTs, electric scooters, or other personal transportation vehicles.

## **AGENCY AND ORGANIZATION OUTREACH**

The National Park Service invited any interested party currently conducting related planning for transportation or visitor services for the Washington, D.C., area to prepare an informational exhibit for display purposes at the public meetings. As a result, the following agencies, organizations, and individuals had displays at the February 2004 public meetings:

- Tourmobile — Current NPS visitor transportation services
- National Capital Planning Commission, D.C. Department of Transportation, Downtown D.C. Business Improvement District, Washington Metropolitan Area Transit Authority — Circulator study
- Washington Metropolitan Area Transit Authority — Anacostia light rail project and K Street busway
- D.C. Department of Transportation — District bicycle master plan
- Washington Area Bicycle Association — Recommended bicycle improvements
- MetroBike, LLC — National Mall bike sharing concept

In addition to these groups, agencies and organizations contacted for information that assisted in identifying issues or that will be provided an opportunity to review and comment on this environmental assessment, are listed below.

- Federal Agencies  
Advisory Council on Historic Preservation  
Architect of the Capitol

Commission of Fine Arts  
National Gallery of Art  
National Capital Planning Commission  
Smithsonian Institution  
U.S. Department of the Army, Arlington National Cemetery

- District / Regional / State Agencies  
D.C. Department of Transportation  
D.C. Office of Planning  
D.C. State Historic Preservation Office  
Virginia State Historic Preservation Office  
Washington Metropolitan Area Transit Authority
- Organizations  
Committee of 100  
D.C. Downtown Business Improvement District  
Washington Area Bicycle Association  
Golden Triangle Business Improvement District  
Capital Hill Business Improvement District

## **PROJECT WEBSITE**

A project website has been used throughout the project development process and the environmental assessment portion of the project. The website provides project information, a timeline, ways to participate in the planning process, and links to documents related to the project (choose “Transportation Study” at <<http://www.nps.gov/nama/>>).

## **REVIEW OF THE ENVIRONMENTAL ASSESSMENT AND RECIPIENTS**

This environmental assessment will be released for a 45-day public review. All agencies and organizations listed above, along with individuals on the NPS project mailing list, will be notified about the availability of the document for public comment.

Copies of the environmental assessment will be provided to interested individuals upon request and will also be available on the Internet at <<http://www.nps.gov/nama/>>.

## COMPLIANCE WITH FEDERAL AND STATE REGULATIONS

The National Park Service has prepared this environmental assessment in accordance with the National Environmental Policy Act of 1969, as amended, and the implementing regulations by the Council on Environmental Quality (CFR 1500-1508), and NPS *Director's Order #12: Conservation Planning, Environmental Impact Analysis, and Decision-making*. This document also complies with the National Historic Preservation Act of 1966, as amended.

The following is a preliminary list of permits and approvals that could be required by various federal and D.C. agencies to implement the proposed action at National Mall & Memorial Parks.

- Federal Agencies
  - Advisory Council on Historic Preservation — consultation on potential effects to historic properties (National Historic Preservation Act, sec. 106)
  - National Capital Planning Commission — project review
  - Commission of Fine Arts — transit stop details
- District of Columbia
  - State Historic Preservation Office — consultation on potential effects to historic properties (see appendix B)
- State Agencies
  - Virginia Historic Preservation Office — consultation on potential effects to historic properties (see appendix B)

[This page intentionally left blank.]

## APPENDIX A: TRANSIT OPERATING STATISTICS

<b>Visitor Core</b>	<b>Annual Revenue Bus-Hours</b>	<b>Annual Revenue Bus-Miles</b>
<b>Alternative 1</b>	19,350	107,310
<b>Alternative 2</b>		
• Daytime Service		
Blue Route	46,400	350,400
Red Route	15,460	99,600
<b>Total</b>	<b>61,860</b>	<b>450,000</b>
• Daytime Service plus Evening Service		
Blue Route	50,920	383,560
Red Route	16,930	109,000
<b>Total</b>	<b>67,850</b>	<b>492,560</b>
• Operating Statistics with Doubled Ridership		
Blue Route	72,060	544,200
Red Route	15,460	99,600
<b>Total</b>	<b>87,520</b>	<b>643,800</b>
<b>Alternative 3</b>		
Blue Route	12,550	96,800
Green Route	18,380	98,100
Red Route	18,380	116,800
<b>Total</b>	<b>49,310</b>	<b>311,700</b>
<b>Alternative 4</b>		
Blue Route	21,320	160,500
Green Route	18,380	117,400
Red Route — Clockwise	18,380	110,900
Red Route — Counter-clockwise	18,380	123,200
<b>Total</b>	<b>76,460</b>	<b>512,000</b>
<b>Alternative 5</b>		
Monuments Route	29,877	248,897
White House–Capitol Route	128,567	757,225
<b>Total</b>	<b>158,444</b>	<b>1,006,122</b>
<b>Arlington National Cemetery</b>		
Alternative 1	16,670	66,670
Alternative 2	21,822	87,700
Alternative 3	21,822	87,700
Alternative 4	21,822	87,700
Alternative 5	Not applicable	Not applicable
<b>Supplemental Tours</b>		
Alternative 1	8,910	Not available*
Alternative 2	8,910	Not available*
Alternative 3	8,910	Not available*
Alternative 4		
Excursion Tours	8,910	Not available*
Introductory Tour	2,570	Not available*
Alternative 5	Not applicable	Not applicable

\* Annual revenue bus-miles not available since routes and destinations have not been specifically defined at this time.

# APPENDIX B: HISTORIC PRESERVATION OFFICER CORRESPONDENCE



United States Department of the Interior

NATIONAL PARK SERVICE  
National Mall & Memorial Parks  
900 Ohio Drive, S.W.  
Washington, D.C. 20024-2000



A88 (NCR-NAMA)

NOV 17 2005

Ms. Lisa M. Burcham  
State Historic Preservation Officer  
District of Columbia Office of Planning  
801 North Capital Street, NE, Suite 3000  
Washington, D.C. 20002

Dear Ms. Burcham:

The National Park Service proposes to undertake a visitor transportation study which will evaluate a range of interpretive visitor transportation services to sites within the National Mall & Memorial Parks and surrounding park areas. Services to be considered in this plan include transit between National Park sites and non-park sites, interconnection with existing transportation systems, alternative fuel vehicles, multi-modal options and educational information regarding these sites.

As the proposed visitor transportation study will evaluate a range of services within *existing* routes and roadways, the National Park Service finds that the proposed project will not cause "alteration to the characteristics of a historic property qualifying it for inclusion in or eligibility for the National Register" (CFR §800.16(i)), and will therefore have no effect on the historic properties in the study area. In accordance with the 1995 NPS Programmatic Agreement (Part VI. F.), if the planning process identifies actions that may result from the implementation of the visitor transportation plan, the approved plan will list all undertakings that are subject to further consultation and your office will be notified accordingly.

If you concur with this assessment, please sign below and return this letter to me at your earliest convenience. If you have any questions, please contact Alexa Viets, Transportation Planner for the National Mall & Memorial Parks, at (202) 485-9877.

Sincerely,

Vikki Keys  
Superintendent

\_\_\_\_\_  
State Historic Preservation Officer, District of Columbia

12/6/05  
\_\_\_\_\_  
Date

Enclosures (1): Map of Visitor Transportation Study Area

TAKE PRIDE  
IN AMERICA



## Section 106 Consultation between the National Park Service and the Virginia State Historic Preservation Office

A copy of the letter sent to the Virginia State Historic Preservation Office on May 10, 2006, is provided below. On July 11, 2006, (after 60 days) the State Historic Preservation Office indicated by e-mail their concurrence with the preferred alternative and indicated that the environmental assessment did not describe effects that might place this project in the category of "undertaking" in regards to section 106 of the National Historic Preservation Act. The Virginia State Historic Preservation Office has not submitted any additional or formal response after 90 days. Therefore, in accordance with the National Historic Preservation Act regulations (36 CFR Part 800.3), the National Park Service may proceed to the next step in the process.



A88 (NCR-NACC)

### United States Department of the Interior

NATIONAL PARK SERVICE  
National Mall & Memorial Parks  
900 Ohio Drive, S.W.  
Washington, D.C. 20004-2009



MAY 10 2006

State Historic Preservation Officer  
Virginia Department of Historic Resources  
2801 Kensington Avenue  
Richmond, Virginia 23221

Dear Sir/Madame:

The National Park Service has undertaken a visitor transportation study to evaluate a range of interpretive visitor transportation services to sites within the National Mall & Memorial Parks and surrounding park areas, including limited areas in Virginia. Services to be considered in this plan include transit between National Park sites and non-park sites, interconnection with existing transportation systems, alternative fuel vehicles, multi-modal options and educational information regarding these sites.

Included for your information is a preliminary draft of the NPS Environmental Assessment for this project. This document is not for public distribution; however, it is included as background on the study. Please ensure that the alternatives and concepts contained within are not shared beyond your staff.

As the proposed visitor transportation study will evaluate a range of services within existing routes and roadways, the National Park Service finds that the proposed project will not cause "alteration to the characteristics of a historic property qualifying it for inclusion in or eligibility for the National Register" (CFR §800.16(i)), and will therefore have no effect on the historic properties in the study area. In accordance with the 1995 NPS Programmatic Agreement (Part VI. F.), if the planning process identifies actions that may result from the implementation of the visitor transportation plan, the approved plan will list all undertakings that are subject to further consultation and your office will be notified accordingly. If you concur with this assessment, please sign below and return this letter to me at your earliest convenience.

If you have any questions, please contact Alexa Viets, Transportation Planner for the National Mall & Memorial Parks, at 202-485-9877.

Sincerely,

Vikki Keys  
Superintendent

State Historic Preservation Officer, District of Columbia

Date

Attachment: Internal Draft Environmental Assessment



# GLOSSARY

**Affected environment** — The existing biological, physical, cultural, social, and economic conditions that are subject to both direct and indirect changes as a result of actions described within alternatives under consideration.

**Alternative transportation** — In national park areas, alternative transportation systems include buses, ferries, and trams to provide for visitor access and reduce impacts on park land and resources.

**Alternatives** — A reasonable range of options that can accomplish an agency's objectives.

**Area of Potential Effect** — The geographic area or areas within which an undertaking could directly or indirectly cause changes in the character or use of historic properties. The area of potential effects is influenced by the scale and nature of the undertaking and may be different for different kinds of effects caused by the undertaking.

**Assessment of effect** — Documentation to assist in completing the activities required under 36 CFR 800.5, "Assessment of Adverse Effects." This documentation applies the criteria of adverse effect to each property that is within the area of potential effect and that is eligible for listing on the National Register of Historic Places.

**Average annual weekday traffic** — The total yearly weekday volume divided by the number of weekdays in a year.

**Best management practices** — Effective, feasible (including technological, economic, and institutional considerations) conservation practices and land- and water-management measures that would avoid or minimize adverse impacts to natural and cultural resources. Best management practices may include schedules for activities, prohibitions, maintenance guidelines, and other management practices.

**Clean fuels** — Fuels that provide less polluting alternatives to gasoline. Clean fuels, as defined by the Energy Policy Act of 1992, include ethanol, natural gas, propane, hydrogen, pure biodiesel, electricity, methanol, and p-series fuels.

**Choosing by Advantages** — A process by which the differences of advantages for alternatives and their related costs are compared, ranked, and rated in order to make better and trackable decisions. The process can be used to develop alternatives that combine advantages from several alternatives while working to reduce associated costs.

**Council on Environmental Quality (CEQ)** — The President's Council on Environmental Quality was established by the National Environmental Policy Act to oversee and develop national environmental policy.

**Cultural resources** — Aspects of a cultural system that are valued by or significantly representative of a culture or that contain significant information about a culture. A cultural resource may be a tangible entity or a cultural practice. Tangible cultural resources are categorized as districts, sites, buildings, structures, and objects for the National Register of Historic Places, and as archeological resources, cultural landscapes, structures, museum objects, and ethnographic resources for NPS management purposes.

**Cumulative actions** — Actions that, when viewed with other actions in the past, the present, or the reasonably foreseeable future regardless of who has undertaken or will undertake them, would have an additive impact on the resources that the proposal would affect.

**Cumulative effects (impacts)** — Effects on the environment that result from the incremental impacts of an action when added to other past, present, and reasonably foreseeable actions, regardless of which agency (federal or non-federal) or person undertakes such actions. Cumulative effects can result from individually minor, but collectively significant, actions taking place over a period of time.

**Director's Order** — The second level of the National Park Service's directives system. Interim updates or amendments to the NPS *Management Policies* may be accomplished through director's orders. Director's orders also serve as a means to clarify or supplement *Management Policies* to meet the needs of NPS managers.

**Electric scooter** — A three- or four-wheeled electric powered vehicles operated from a sitting position.

**Environmental assessment** — An environmental document that is prepared to (1) help determine whether the impact of a proposed action or alternatives could be significant; (2) aid in compliance with the National Environmental Policy Act by evaluating whether a proposal would have measurable adverse impacts and whether impacts would be significant, therefore requiring the preparation of an environmental impact statement; or (3) evaluate a proposal that either is not described on the list of categorically excluded actions, or is on the list but exceptional circumstances apply.

**Environmental impact statement** — A detailed environmental document that is prepared when a proposed action or alternatives have the potential for significant impact on the human environment.

**Environmental justice** — See Executive Order 12898.

**Environmental screening form** — A tool used by the National Park Service to help determine the appropriate level of NEPA documentation.

**Environmentally preferred alternative** — Of the action alternatives considered, the one that would best promote the policies in section 101 of the National Environmental Policy Act.

**Executive Order 12898 “Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations”** — Mandates that each federal agency make achieving environmental justice part of its mission by identifying and addressing disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations. This order also creates an Interagency Working Group on Environmental Justice to provide guidance to federal agencies in overcoming these issues.

**Finding of No Significant Impact** — A determination based on an environmental assessment and other factors in the public planning record for a proposal that, if implemented, would have no significant impact on the human environment.

**Floodplain** — Land on either side of a stream or river that is submerged during floods.

**Headway** — The time interval between two vehicles traveling in the same direction on the same route.

**Human environment** — Defined by the Council on Environmental Quality as the natural and physical environment, and the relationship of people with that environment. Although the socioeconomic environment receives less emphasis than the physical or natural environment in the CEQ regulations, the National Park Service considers it to be integral to the human environment.

**Hybrid electric** — Vehicles that use both internal combustion or diesel engines and electric motors to improve performance and efficiency.

**Impact topics** — Specific natural, cultural, or socioeconomic resources that would be affected by the proposed action or alternatives (including no action). The magnitude, duration, and timing of the effect to each of these resources is evaluated in the impact section of an environmental document.

**Impairment** — An impact that, in the professional judgment of the responsible NPS manager, would permanently harm the integrity of park resources or values. NPS managers must always seek ways to avoid, or to minimize to the greatest degree practicable, adversely impacting park resources and values. However, the laws do give the National Park Service the management discretion to allow impacts to park resources and values when necessary and appropriate to fulfill the purposes of a park, as long as the impact does not constitute impairment of the affected resources and values.

**Level of service** — A grading system for amount of congestion, using the letter A to represent the least amount of congestion and F to refer to the greatest amount.

**Mitigation measures** — Specific commitments made during the environmental evaluation and study process that would serve to lessen impacts deriving from the proposed action. These measures could include planning and development commitments, environmental measures, and agreements with other agencies to take construction or post-construction action.

**National Environmental Policy Act (NEPA)** — Established by Congress in 1969, the act requires federal agencies to consider social, environmental, and economic impacts when evaluating federal actions. Application of the NEPA process could include the preparation of categorical exclusions, environmental assessments, or environmental impact statements for projects with the potential to result in significant effects on the environment.

**National Historic Preservation Act of 1966 (NHPA)** — Directs federal agencies to act as responsible stewards of our nation’s resources when their actions may affect historic properties. This act defined historic preservation to include “the protection, rehabilitation, restoration and reconstruction of districts, sites, buildings, structures, and objects significant in American history, architecture, archaeology, or culture.” The act led to the creation of the National Register of Historic Places, and it established the Advisory Council on Historic Preservation, an independent federal agency responsible for administering the protective provisions of the act.

**National Register of Historic Places** — The comprehensive list of districts, sites, buildings, structures, and objects of national, regional, state, and local significance in American history, architecture, archeology, engineering, and culture. This list is maintained by the National Park Service under authority of the National Historic Preservation Act of 1966.

**No-action alternative** — An alternative in an environmental assessment or environmental impact statement that would continue current management direction. A no-action alternative is a benchmark or baseline against which action alternatives are compared.

**Preferred alternative** — The alternative an NPS decision-maker has identified as preferred.

**Revenue bus-hour** — The total number of hours that a bus is operated divided by total revenue.

**Revenue bus-mile** — The total number of miles that a bus is operated divided by total revenue.

**Ridership** — Ridership or users of the current visitor transit service, as reported on total daily fares paid. Annual ridership estimates are computed based on the sum of weekday and weekend daily users throughout the defined peak and off-peak seasons. Daily users of the transit service may make one or more boardings throughout the day, depending on the number of individual trips or connections that are made by transit service. Ridership figures based on this definition do not represent total vehicle boardings.

**Segway® HT** — A two-wheeled, self-balancing, electric-powered individual transportation vehicle. The Segway® HT can be considered to have both pedestrian and vehicle characteristics. It is often evaluated as part of a larger class of vehicles that operate in the middle of the vehicle-pedestrian continuum, such as bicycles, electric scooters, in-line skates, and wheelchairs.

**Scoping** — An early step in the NEPA process to identify decision-making on issues, alternatives, mitigation measures, the analysis boundary, the appropriate level of documentation, lead and cooperating agency roles, available references and guidance, defining purpose and need, and so forth.

**Soundscape** — The aggregate of all the natural sounds that occur in parks, together with the physical capacity for transmitting sounds. Natural sounds occur within and beyond the range of sounds that humans can perceive, and can be transmitted through air, water, or solid materials.

**Travel Demand Management (TDM)** — Programs and policies that reduce and manage the demand within transportation corridors and by transportation modes, disperse peak-period traffic, and/or encourage transit usage and capacity. Elements include encouraging employers to provide flexible work hours, staggered work schedules, and alternative work schedules; encouraging van and car pools, or bus pass programs for major employers; and creating disincentives to drive, such as increasing the cost of parking.

## REFERENCES CITED

The following abbreviations are used in the text for governmental agencies, associations, and organizations:

AWS	Anacostia Watershed Society
ARCO	Arlington County, Virginia
CEQ	Council on Environmental Quality
DBID	Downtown Business Improvement District
DDOT	D.C. Department of Transportation
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
MDW	Military District of Washington (U.S. Army)
MWCOG	Metropolitan Washington Council of Governments
NCPC	National Capital Planning Commission
NPS	National Park Service
TRB	Transportation Research Board
US DOD	U.S. Department of Defense
USDOT	U.S. Department of Transportation
USFWS	U.S. Fish and Wildlife Service
WMATA	Washington Metropolitan Area Transit Authority

### Anacostia Watershed Society

- 2005 *Water Quality Monitoring and Flagging Programs Begin*. Available at <<http://www.anacostiaws.org>>. Accessed July 2005.

### Architect of the Capitol

- 2005 *Capitol Visitor Center Fact Sheet*. Available at <[http://www.aoc.gov/cvc/upload/cvc\\_fact\\_sheet\\_2005\\_06.pdf](http://www.aoc.gov/cvc/upload/cvc_fact_sheet_2005_06.pdf)>. Accessed August 2005.

### Arlington County, Virginia

- 1992 *Rosslyn Area Plan Addendum*. Arlington, VA.
- 2003 *Rosslyn to Courthouse Urban Design Study*. Arlington, VA
- 2005a *Columbia Pike Initiative - A Revitalization Plan (Update 2005)*. Available at <<http://www.arlingtonva.us/Departments/CPHD/forums/columbia/CPHDForumsColumbiaColumbiaPikeInitiativeMain.aspx>>. Accessed August 2005.

- 2005b *Comprehensive Plan*. Available at <<http://www.co.arlington.va.us/Departments/CPHD/planning/plan/CPHDPlanningPlanMain.aspx>>. Accessed July 2005.

### Arlington National Cemetery

- 2005 "Visitor Information." Available at <<http://www.arlingtoncemetery.org/visitorinformation/index.htm>>. Accessed August 2005.

### Association for the Study of African American Life and History

- 2005 *The Carter G. Woodson Home*. Available at <<http://www.asalh.com/WoodsonHome.html>>. Accessed August 2005.

### Bureau of Economic Analysis, U.S. Department of Commerce

- 2006 District of Columbia: CA1-3 Population, CA34 Wage and Salary Employment, and CA30 Personal Income." Available at <<http://www.bea.gov/regional/reis>>. Accessed June 15, 2006.

### Council on Environmental Quality

- 1978 "Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act." *Federal Register* 43 (Nov. 29): 55978-56007.
- 1980 "Prime and Unique Agricultural Lands and the National Environmental Policy Act." August 11, 1980. Washington, DC.
- 1981 "Forty Most Asked Questions Concerning CEQ's National Environmental Policy Act Regulations." *Federal Register* 46 (Mar. 23): 18026-38.
- 1997 "Environmental Justice, Guidance under the National Environmental Policy Act." December 10, 1997. Washington, DC.

### District of Columbia, Department of Transportation

- 2002 "2002 High Crash Locations." Traffic Safety Division, Washington, DC.
- 2003a *4th Street SW Transportation Study*. March. Washington, DC.
- 2003b *L'Enfant Promenade Urban Planning Study*. January. Washington, DC.

- 2003c *Mayor's Parking Taskforce Report*. Submitted by the Mayor's Parking Taskforce Committee Members. December. Washington, DC. Available at <<http://ddot.dc.gov/ddot/frames.asp?doc=/ddot/lib/ddot/ParkingReport-Final.pdf>>. Accessed June 13, 2006.
- 2004a *Anacostia Gateway Transportation Study*. September. Washington, DC.
- 2004b *District of Columbia Transit Improvements Alternatives Analysis: Need Assessment*. June. Washington, DC.
- 2004c *Downtown Congestion Task Force, Draft Final Report*. Washington, DC. Available at <[www.ddot.dc.gov/ddot/cwp/view,a,1249,q,610165.asp](http://www.ddot.dc.gov/ddot/cwp/view,a,1249,q,610165.asp)>. Accessed June 25, 2006.
- 2004d Personal communication with David Evans and Associates regarding active enforcement intersection locations. October.
- 2004e "Opinions about Downtown Congestion." Online survey results. Available at <[www.ddot.dc.gov/ddot/cwp/view,a,1249,q,610291.asp](http://www.ddot.dc.gov/ddot/cwp/view,a,1249,q,610291.asp)>. Accessed June 23, 2006.
- 2005a *District of Columbia Bicycle Master Plan*. April. Washington, DC.
- 2005b *New York Avenue Corridor Study*. April. Washington, DC.
- 2005c *Traffic Volume Maps*. Available at <<http://ddot.dc.gov/ddot/cwp/view,a,1250,q,580996.asp>>. Accessed August 2005.
- District of Columbia, Department of Works  
1997 *A Transportation Vision, Strategy, and Action Plan for the Nation's Capital*. Washington, DC.
- District of Columbia, Office of Planning  
2003a *The Anacostia Waterfront Initiative Framework Plan*. November. Washington, DC.
- 2003b "Southwest Waterfront Plan Summary." Available at <[http://planning.dc.gov/planning/cwp/view,a,1285,q,582228,planningNav\\_GID,1708.asp](http://planning.dc.gov/planning/cwp/view,a,1285,q,582228,planningNav_GID,1708.asp)>. Accessed Nov. 2, 2006.
- Dwight D. Eisenhower Memorial Commission  
2006 "Its Time to Build a National Memorial to Dwight D. Eisenhower." Available at <<http://www.eisenhowermemorial.org/index.html>>. Accessed January 2006.
- Federal Emergency Management Agency, U.S. Department of Homeland Security  
1975 "Federal Emergency Management Agency National Flood Insurance Program, Flood Insurance Rate Map, District of Columbia." Washington, DC.
- Federal Highway Administration, U.S. Department of Transportation  
2003 *Kennedy Center Access Improvements, Environmental Assessment and 4(f) Evaluation*. Washington, DC.
- 2005 *Gliding: An Evaluation of Segway HT Riders' Performance on a Closed Course*. Draft Preliminary Report, March 22. Washington, DC.
- Federal Highway Administration, U.S. Department of Transportation / National Park Service, U.S. Department of the Interior  
2002 *Environmental Assessment for Roadway and Trail Safety Improvements, George Washington Memorial Parkway*. Virginia and Washington, DC.
- Federal Transit Administration, U.S. Department of Transportation  
1979 *Guidelines for Preparing Environmental Assessments*. Washington, DC.
- 1995 *FTA Transit Noise and Vibration Impact Assessment Guidance Manual*. Washington, DC.
- 2004 *Anacostia Corridor Demonstration Project Environmental Assessment and Section 4(f) Statement*. Washington, DC.
- 2005 "National Transit Database." Available at <[http://www.ntdprogram.com/NTD/ntd\\_home.nsf/?Open](http://www.ntdprogram.com/NTD/ntd_home.nsf/?Open)>. Accessed August 2005.
- Landmark Services, Inc.  
2005 *Tourmobile Sightseeing*. Available at <<http://www.tourmobile.com/>>. Accessed July 2005.

- Metropolitan Washington Council of Governments
- 2004a *2003 Update to the Financially Constrained Long-Range Transportation Plan for the National Capital Region*. October. Washington, DC.
- 2004b *2004 State of the Commute Survey Results from the Washington Metropolitan Region*. September. Washington, DC.
- 2005 *Transportation Improvement Program for the Metropolitan Washington Region FY 2006-2011*. October. Washington, DC.
- 2006 "Growth." News briefs. Available at <<http://www.mwcog.org/news/briefs/growth.asp>>. Accessed June 2, 2006.
- National Capital Planning Commission
- 1997 *Extending the Legacy: Planning America's Capital for the 21st Century*. Washington, DC.
- 1999 *Washington's Waterfronts*. Washington, DC.
- 2001 *Memorials and Museums Master Plan*. Washington, DC.
- 2002 *The National Capital Urban Design and Security Plan*. Washington, DC.
- 2004a *Comprehensive Plan for the National Capital: Federal Elements*. Washington, DC.
- 2004b *Federal Capital Improvements Program, Fiscal Years 2005-2010*. Washington, DC.
- 2005a *Georgetown Waterfront Park: Commission Action*. Washington, DC. Available at <<http://www.ncpc.gov/actions/pdf/2005/GWaterfront060205.pdf>> Accessed August 2005.
- 2005b *NCPC's New Vision for South Capitol Street*. Washington, DC.
- National Capital Planning Commission, District of Columbia Department of Transportation, Downtown Business Improvement District, Washington Metropolitan Area Transit Authority
- 2003 *District of Columbia Circulator Implementation Plan*. Washington, DC.
- National Park Service, U.S. Department of the Interior
- 1997 "Draft Transportation Study, Memorial Core, Washington, D.C." Prepared by BRW, Inc., and Lee Engineering. On file at Denver Service Center.
- 1998 *Director's Order # 28: Cultural Resource Management*. Washington, DC.
- 2000a *Comprehensive Design Plan, The White House and President's Park*. Washington, DC.
- 2000b *Director's Order #47: Sound Preservation and Noise Management*. Washington, DC.
- 2000c *Draft Long-range Interpretive Plan 2000, National Capital Parks-Central*. Harpers Ferry Design Center.
- 2001 *Director's Order #12: Conservation Planning, Environmental Impact Analysis, and Decision-making*. Washington, DC.
- 2002a *Director's Order #77-1: Wetland Protection / Wetland Procedural Manual*. Washington, DC.
- 2002b *Directors Order #90: Value Analysis*. Washington, DC.
- 2002c *Draft General Management Plan / Environmental Impact Statement, Rock Creek Park and the Rock Creek and Potomac Parkway*. Washington, DC.
- 2002d *Washington Monument: Permanent Security Improvements Environmental Assessment*. Washington, DC.
- 2003a *Annual Performance Plan, C&O Historical Park, Fiscal Year 2004*.
- 2003b *Director's Order #75A: Civic Engagement and Public Involvement*. Washington, DC.
- 2003c *General Management Plan, Anacostia Park*. Washington, DC.
- 2003d *General Management Plan / Draft Environmental Impact Statement, Rock Creek Park*. Washington, DC.
- 2003e *National Capital Parks — Central / Memorial Core Alternative Transportation Study: Washington, D.C., Local Comparables Report*. Washington, DC.
- 2003f *National Capital Parks-Central, Washington, D.C., Visitor Transportation Survey*. November. Prepared for the National Park Service. Boston, MA.
- 2004a *Anacostia Riverwalk: Environmental Assessment*. Washington, DC.

- 2004b "National Park Service Existing Ridership Data, Alternative Transportation Planning Program." On file at National Mall & Memorial Parks, Washington, DC.
- 2005a *American Veterans Disabled for Life Memorial: Environmental Assessment*. Washington, DC.
- 2005b *Lincoln Memorial Circle Roadway Project*. Available at <<http://www.nps.gov/linc/Lincoln%20Project%20Summary3.pdf>>. Accessed August 2005.
- 2005c *Martin Luther King Jr. National Memorial: Environmental Assessment*. Washington, DC.
- 2005d *National World War II Memorial*. Available at <<http://www.nps.gov/nwwm/>>. Accessed August 2005.
- 2005e *Rehabilitation of Rock Creek and Potomac Parkway from Virginia Avenue to P Street Bridge and the Thompson Boat Center: Environmental Assessment*. Washington, DC.
- 2005f "Record of Determination for an Interim Public Use Limitation Restricting Segway HTs, Motorized Skateboards and Motorized Scooters from All of the George Washington Memorial Parkway." George Washington Memorial Parkway.
- 2005g "Statement of John Parsons, Associate Regional Director for Lands, Resources and Planning, National Capital Region, National Park Service, Department of the Interior, Before the Subcommittee on National Parks of the Senate Committee on Energy and Natural Resources, Concerning the Oversight of the National Mall." April 12. Washington, DC.
- 2005h *Victims of Communism Memorial: Environmental Assessment*. Washington, DC.
- 2005i *Washington, D.C., Visitor Transportation Study for the National Mall and Surrounding Park Areas Scoping Report*. Washington, DC.
- 2006a "Corrected Visitation Data for President's Park." Personal communication to David Evans and Associates, June 14.
- 2006b *Management Policies 2006*. Washington, DC.
- 2006c "Public Use Statistics." Available at <<http://www2.nature.nps.gov/NPstats/dspAnnualVisits.cfm>>. Accessed June 11, 2006.
- National Park Service, U.S. Department of the Interior, and Federal Highway Administration, U.S. Department of Transportation
- 2004a "Draft Traffic Safety Study and Recommendation Report, Constitution Avenue, Washington, D.C." Prepared by HDR Engineering, Inc. On file at National Mall & Memorial Parks, Washington, DC.
- 2004b "Draft Traffic Safety Study and Recommendation Report, Ohio Drive and Old Constitution Avenue, Washington, D.C." Prepared by HDR Engineering, Inc. On file at National Mall & Memorial Parks, Washington, DC.
- Natural Resources Conservation Service, U.S. Department of Agriculture,
- 2005 *District of Columbia Electronic Field Office Technical Guide*. Available at <<http://www.md.nrcs.usda.gov/>>. Accessed July 2005.
- Newseum
- 2005 "The Newseum's Move to Washington, D.C." Available at <<http://www.newseum.org/newseum/newseum2006/overview.htm>>. Accessed August 2005.
- Smithsonian Institution
- 2005a *National Museum of African American History and Culture*. Available at <<http://nmaahc.si.edu/>>. Accessed August 2005.
- 2005b *National Museum of the American Indian*. Available at <[http://www.nmai.si.edu/index\\_nmai.cfm](http://www.nmai.si.edu/index_nmai.cfm)>. Accessed August 2005.
- Texas Transportation Institute
- 2005 The 2005 Urban Mobility Report, by David Schrank and Tim Lomax. The Texas A&M University System. Available at <[http://tti.tamu.edu/documents/mobility\\_report\\_2005.pdf](http://tti.tamu.edu/documents/mobility_report_2005.pdf)>. Accessed July 2006.
- Transportation Research Board
- 2004 *Transit Cooperative Research Program Report 95, Chapter 9: Transit Scheduling and Frequency — Traveler Response to Transportation System Changes*. Washington, DC.



- Travel Industry Association of America  
2005 *The American Experience: 2004 Visitor Statistics*. Available at <<http://www.washington.org/UploadedFiles/ResearchStatistics/2004-vis-stats-web.pdf>>. Accessed August 2005.
- U.S. Army Corps of Engineers  
1998 *Arlington National Cemetery, Master Plan*. Baltimore District.
- U.S. Army, Military District of Washington  
2005 *Arlington Expansion Underway along Route 110*. Available at <<http://www.mdw.army.mil/>>. Accessed August 2005.
- U.S. Architectural and Transportation Barriers Compliance Board  
2004 *Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities*. Washington, DC.
- U.S. Department of Defense  
2003 *Air Force Memorial, Naval Annex Site: Environmental Assessment*. March 2003. Washington, DC.
- U.S. Department of Transportation  
2003 *District of Columbia Tour Bus Management Initiative*. U.S. Department of Transportation Research and Special Programs Administration, John A. Volpe National Transportation Systems Center. Cambridge, MA.
- 2004 *Visitor Transportation Study: Report on Urban Visitor Transportation Services*. U.S. Department of Transportation Research and Special Programs Administration, John A. Volpe National Transportation Systems Center. Cambridge, MA.
- U.S. Environmental Protection Agency  
2006 "8-Hr Ozone and Designated PM-2.5 Nonattainment Areas." In *Green Book*. Washington, D.C. Available at <<http://www.epa.gov/oar/greenbk/qnc13.html>>. Accessed May 31, 2006.
- U.S. Fish and Wildlife Service, U.S. Department of the Interior  
2005 *National Wetlands Inventory*. Available at <<http://www.wetlandsfws.er.usgs.gov/>>. Accessed July 2005.
- Washington Area Bicyclist Association  
2005 "Washington Area Bicyclist Association." General information available at <<http://www.waba.org>>. Accessed July 2005.
- Washington Metropolitan Area Transit Authority  
2001 *District of Columbia Transit Development Study*. Washington, DC.
- 2003 *Regional Bus Study*. Washington, DC.
- 2005a *K Street Busway Project*. Available at <[http://www.wmata.com/about/expansion/kst\\_busway.pdf](http://www.wmata.com/about/expansion/kst_busway.pdf)>. Accessed July 2005.
- 2005b *Pike Transit Initiative*. Available at <<http://www.piketransit.com/media/publications.aspx>>. Accessed July 2005.
- 2005c *Washington Metropolitan Area Transit Authority*. Available at <<http://www.wmata.com>>. Accessed August 2005.
- 2005d WMATA Facts. Available at <<http://www.wmata.com/about/default.cfm>>. Accessed June 11, 2006.

# LIST OF PREPARERS

## **NATIONAL PARK SERVICE**

---

### **Denver Service Center**

Richard Crane, former Project Manager  
Hugh Duffy, Project Manager  
Susan Spain, Contract Manager  
Linda MacIntyre, Project Specialist  
David Hayes, Cultural Resource Specialist  
Kim Hartwig, Natural Resource Specialist

### **National Mall & Memorial Parks**

Vikki Keys, Superintendent  
Alexa Viets, Transportation Planner  
Karen Cucurullo, Special Assistant to the  
Superintendent for Partnerships

### **National Capital Region**

Susan Hinton, Regional Transportation Liaison

### **Washington Office**

Kevin Percival, ATP Planning Group Manager

## **CONSULTANTS**

---

### **David Evans and Associates, Inc.**

Ed Schumm, Project Manager and  
Transportation Planner  
Bill Byrne, Vice President and Transportation  
Office Manager  
Debra Perkins-Smith, Vice President and  
Planner  
Chad Ricklefs, Environmental Planner  
Laura Meyer, Environmental Planner  
Greg Sorensen, Editor

### **Dornbusch & Company**

Jason Bass  
David Dornbusch

### **Levy Consultancy Group, Inc.**

Norm Levy

### **Lea & Elliot**

Michelle Jacobson  
Frank Venezia

### **Manuel Padron and Associates**

Jim Baker

# INDEX

## A

accessibility, 12, 87, 98  
Air Force Memorial, 49, 96, 118  
air quality, v, 4, 13, 16, 20, 101  
American Heritage Tour, 14, 36, 106, 133, 138, 160  
Anacostia Park, 3, 15, 25, 50, 66, 80, 92, 99  
Arlington House, 15, 40, 92, 133  
Arlington National Cemetery, iii, v, 3, 15, 20, 23, 26, 27, 35, 36, 42, 44, 50, 56, 59, 60, 65, 66, 67, 78, 91, 96, 97, 101, 107, 126, 129, 133, 134, 137, 140, 142, 144, 147, 160  
Arlington National Cemetery Tour, 14, 36, 106, 138  
Arlington National Cemetery Tour, 133  
educational / interpretive services, 41, 59, 66  
parking, 106, 114, 115  
public transit connections, 40, 140, 142, 144  
ridership, 42, 50, 60, 67, 140, 142, 145, 147  
traffic operations, 118, 121, 124, 126  
transit routes, 27, 40, 49, 59, 66, 79, 91, 121, 123, 141, 142, 144, 146, 147  
transit vehicles, 42, 51, 60, 67  
transportation service, 25, 27, 28, 29, 30, 36, 41, 44, 56, 59, 62, 66, 70, 74, 76, 78, 81, 83, 85, 86, 115, 116, 118, 119, 120, 123, 126, 128, 132, 149, 150, 151  
hours of operation, 41, 44, 59, 66  
staffing, 41, 50, 59, 66, 161  
vehicle types, 27  
visitation, 92, 129  
visitor center, 48

## B

bicycles, 12, 14, 18, 31, 32, 55, 61, 68, 69, 81, 98, 99, 101, 105, 107, 108, 113, 117, 129, 133, 138, 139, 170, 178  
D.C. master plan, 170  
parking spaces, 113  
racks, 31, 52, 68, 107  
rentals, 31, 36  
trails, 113  
buses, 11, 14, 17, 19, 27, 32, 41, 49, 67, 73, 95, 102, 106, 116, 139, 141, 144, 146, 149, 152, 160, 173, 176  
routes, 36  
Business Improvement District, 17, 65, 107

## C

Capitol. *See* U.S. Capitol

Chesapeake & Ohio Canal National Historical Park, 3, 15, 25, 30, 50, 62, 66, 80, 92, 134  
visitation, 129  
Circulator. *See* D.C. Downtown Circulator  
clean fuels, 12, 20, 27, 28, 67, 76, 78, 83  
Commission of Fine Arts, 17, 29, 55, 171  
commuter rail, 101, 105, 116  
compliance, 28, 29, 31, 52, 80, 97, 177  
concession, 11, 25, 33, 34, 68, 133  
concession contract, 34  
concessioner, 11, 16, 26, 27, 33, 34, 35, 50, 74, 102, 152  
convenience. *See* transit user convenience, visitor convenience, transportation convenience  
costs, 24, 30, 33, 43, 49, 51, 52, 61, 67, 68, 74, 75, 142, 145, 147, 163, 165, 176  
capital costs, 29, 33, 34, 35, 60, 68, 75  
operation and maintenance costs, 24, 29, 33, 35, 51, 55, 60, 67, 68, 70, 73, 75, 80, 164  
cultural resources, 12, 13, 161, 176  
landscapes, 13, 19, 176

## D

D.C. Department of Transportation, 4, 17, 99, 101, 107, 119, 122, 125, 127  
D.C. Downtown Circulator, iv, 16, 17, 18, 23, 26, 32, 70, 71, 73, 74, 75, 78, 80, 81, 83, 85, 98, 126, 149, 160  
D.C. Historic Preservation Office, 29, 55, 174  
D.C. Office of Planning, 94  
designated critical habitats, 19

## E

East Coast Greenway, 31, 55, 69  
East Potomac Park, 4, 14, 15, 29, 42, 55, 65, 67, 83, 88, 91, 123, 160, 162, 163  
parking, 117, 119  
ecologically critical areas, 19  
educational / interpretive services, iii, iv, 3, 4, 11, 12, 14, 16, 19, 23, 32, 34, 36, 40, 41, 42, 44, 48, 50, 56, 76, 78, 79, 81, 84, 86, 92, 102, 105, 116, 119, 121, 124, 127, 138, 140, 141, 142, 143, 145, 146, 147, 148, 149, 150, 151  
narration, 30, 66  
electric scooters, iii, iv, 4, 12, 18, 23, 31, 32, 36, 43, 52, 56, 61, 62, 68, 69, 76, 77, 78, 81, 83, 85, 87, 105, 108, 113, 117, 118, 119, 120, 122, 123, 124, 126, 127, 128, 133, 138, 152, 155, 159, 170, 178  
designated routes, 44, 52, 157  
rentals, 31  
safety, 52, 152, 154, 155, 156, 157, 158

Ellipse, 15, 80, 91  
 environmental justice, 20, 177  
 excursion tours, 27, 28, 30, 36, 41, 42, 44, 50, 56, 59,  
 62, 66, 67, 81, 83, 91, 116, 118, 120, 132, 138, 140,  
 144  
 transit vehicles, 42, 51, 60, 67

## F

fares, iv, 29, 30, 33, 34, 35, 36, 40, 41, 48, 49, 50, 51,  
 55, 56, 59, 65, 66, 67, 73, 75, 102, 131, 132, 164,  
 170, 178  
 floodplains, 19  
 Franklin Delano Roosevelt (FDR) Memorial, 44, 91,  
 133, 134, 137  
 Frederick Douglass National Historic Site, 3, 15, 25,  
 41, 92, 98, 134  
 Frederick Douglass Tour, 14, 36, 41, 50, 59, 66,  
 106  
 fuel, 27, 28, 29, *See also* clean fuels

## G

geologic resources, 19  
 George Washington Memorial Parkway, 3, 14, 15,  
 25, 30, 50, 66, 92, 106, 153  
 visitation, 129

## I

impairment, 13, 91, 100, 113, 152, 177  
 implementation, 20, 24, 27, 28, 29, 31, 33, 34, 35, 36,  
 41, 48, 51, 55, 56, 65, 66, 73, 75, 84, 85, 94, 95, 119,  
 122, 124, 125, 127, 139, 154, 162, 164, 165  
 independent third-party contract, iii, 3, 14, 29, 42  
 independent third-party operator, 14, 30, 33, 34, 35,  
 91, 102, 105, 152, 160, 162  
 information and orientation, iii, 3, 23, 24, 25, 28, 29,  
 44, 48, 50, 59, 62, 65, 66, 70, 79, 81, 82, 84, 86, 137,  
 138, 139, 143, 145, 146, 148, 149, 150, 169, 170  
 wayfinding, iv, 25, 28, 86, 119, 124, 138, 139, 140,  
 141, 143, 145, 146, 148, 149, 150, 151  
 infrastructure, 4, 18, 28, 31, 36, 55, 85, 96, 98, 99,  
 101, 116, 117, 118, 120, 122, 123, 125, 126, 128,  
 154, 155, 156, 157, 158, 169  
 interpretation, 14, 24, 25, 30, 35, 40, 41, 42, 48, 50,  
 59, 62, 65, 70, 86, 137, 140, 143, 145, 146, 147, 148,  
 150, 151  
 introductory tour (Alternative 4), 28, 62, 66, 67, 81,  
 83, 123, 147  
 transit vehicles, 67  
 Iwo Jima Memorial. *See* U.S. Marine Corps War  
 Memorial

## J

Jefferson Memorial, 15, 42, 44, 50, 59, 65, 67, 74, 91,  
 108, 123, 129, 133, 134, 137, 140, 142, 144, 147,  
 149  
 joint-ticketing system. *See* ticketing, joint-ticketing  
 system

## K

Korean War Veterans Memorial, 15, 91, 134  
 visitation, 129

## L

Lafayette Park, 15, 52, 56, 68, 91, 121  
 Landmark Services, Inc., 14, 101, 105, 129, 152, 160,  
 164, *See also* Tourmobile Sightseeing  
 law enforcement, v, 19, 88, 161, 162, 163  
 Legacy Plan, 16, 95  
 lightscaapes, 19  
 Lincoln Memorial, 3, 15, 42, 44, 50, 60, 66, 70, 74, 91,  
 95, 98, 106, 108, 116, 126, 133, 134, 137, 140, 142,  
 144, 147, 149  
 visitation, 129

## M

maintenance, 12, 14, 19, 24, 29, 30, 40, 41, 42, 43, 48,  
 50, 51, 59, 60, 66, 67, 68, 69, 73, 75, 88, 160, 161,  
 162, 163, 165, 176  
 maintenance / storage facility, 29, 42, 51, 60, 68, 75,  
 160  
 Marine Corps Memorial. *See* U.S. Marine Corps  
 War Memorial  
 Metrobus, 3, 17, 25, 32, 40, 48, 59, 65, 73, 84, 101,  
 102, 113, 139, 142, 144, 146, 149, 152  
 Metropolitan Washington Council of Governments,  
 4, 95, 101, 116, 164  
 Metrorail, 3, 16, 17, 20, 25, 29, 31, 32, 40, 44, 48, 49,  
 59, 65, 70, 73, 76, 77, 78, 80, 81, 84, 86, 95, 101,  
 102, 114, 118, 121, 123, 126, 129, 133, 139, 142,  
 143, 144, 146, 148, 149, 151, 152  
 Mount Vernon, 14, 15, 25, 36, 41, 50, 59, 66, 92, 106,  
 113, 132, 134  
 multimodal access (Segway® HT, electric scooter,  
 bicycle), 18, 23, 25, 30, 31, 36, 68, 70, 75, 81, 85,  
 87, 101, 115, 116, 117, 118, 120, 122, 123, 124, 125,  
 126, 128, 144, 154, 155, 156, 157, 158, 159

## N

National Air and Space Museum, 3, 32, 42, 50, 60,  
 66, 74, 97, 108, 133, 137, 140, 142, 144, 147, 149  
 National Capital Parks–East, 15, 30, 92  
 visitation, 92, 129

National Capital Planning Commission (NCPC), 16, 17, 29, 55, 94, 97, 99, 101, 171

National Environmental Policy Act, v, 4, 17, 24, 76, 78, 91, 93, 169, 171, 176, 177, 178

National Mall, v, 14, 36, 78, 80, 91, 97, 99, 106, 113, 133, 137, 160, 161  
 bike racks, 78, 84  
 distance between sites, 108  
 historic character, 16  
 Metrobus service, 32  
 parking, iv, 44, 55, 85, 114, 118, 119, 120, 123, 124, 125, 126, 128, 161  
 roads, 106, 107  
 special events, 94, 161  
 transit routes, 44, 56, 62, 65, 70, 102, 116, 118, 120, 121, 123, 125, 126, 128, 143, 144, 145, 148, 150  
 transportation service, 25, 51, 85, 132, 149  
 viewsheds, 20

National Mall & Memorial Parks, iii, 3, 4, 14, 15, 17, 18, 19, 30, 31, 32, 33, 79, 91, 92, 106, 129, 159, 169  
 bicycles, 55, 69, 113, 153  
 bike racks, 31  
 educational / interpretive services, 76, 138  
 entrance fee, 34  
 parking, 32, 114, 117, 125, 127, 160, 165  
 personal transportation, 31, 108, 158  
 persons with disabilities, 152  
 policy, 12, 52, 68, 117, 119, 155, 157, 158  
 recreational use, 44, 52, 68, 119, 122, 124, 127, 144, 154, 155, 156, 157  
 roads, 14  
 safety, 152  
 visitation, 91, 129

National Museum of American History, 42, 50, 60, 66, 74, 133, 134, 140, 142, 144, 147, 149

National Museum of Natural History, 42, 50, 60, 66, 74, 133, 134, 137, 140, 142, 144, 147, 149

National Museum of the American Indian, 95, 133, 134

National Park Service  
 authority to provide tours, 11

## O

orientation. *See* information and orientation

## P

parking, iv, 3, 4, 12, 14, 15, 16, 18, 23, 29, 31, 32, 34, 36, 52, 55, 62, 65, 69, 73, 80, 81, 83, 85, 96, 98, 99, 101, 102, 106, 107, 108, 114, 115, 116, 117, 118, 119, 120, 122, 123, 124, 125, 126, 127, 128, 160, 161, 165, 169, 178  
 meters, iv, 14, 52, 55, 65, 73, 77, 78, 81, 85, 114, 115, 119, 120, 122, 125, 127, 165

pedestrians, iv, 4, 31, 43, 52, 61, 68, 80, 81, 87, 99, 114, 152, 154, 155, 156, 157, 158, 159

Pentagon September 11th Memorial, 49, 118

personal transportation, iii, 4, 12, 18, 19, 20, 23, 30, 31, 36, 43, 44, 52, 61, 68, 70, 75, 81, 85, 87, 108, 113, 125, 127, 131, 133, 144, 161, 170  
 designated routes, 76  
 motor vehicle defined, 12  
 persons with disabilities, 12, 113  
 recreational use, 13, 52, 56, 62, 69, 113, 117, 119, 120, 122, 123, 124, 126, 127, 128, 154, 155, 156, 157, 158

persons with disabilities, iv, 12, 14, 27, 31, 83, 87, 113, 152, 153, 154, 155, 156, 157, 158, 159

preferred alternative, iii, v, 23, 24, 44, 76, 79, 80, 96, 142, 156, 169, 177

President's Park, 15, 30, 52, 68, 80, 91, 94, 99, 129

prime and unique farmlands, 19

private vehicles, 4, 15, 19, 55, 78, 114, 116, 119, 121, 122, 124, 127, 133

public transportation, 12, 31, 33, 101, 121, 162

## R

regional transit interconnections, 85, 120, 123, 125, 128

regional transportation network, 18, 85, 101, 102, 116, 117, 118, 120, 121, 122, 123, 125, 126, 128

ridership, iv, 25, 26, 27, 28, 34, 36, 42, 48, 50, 51, 59, 60, 65, 66, 67, 73, 74, 86, 115, 131, 132, 138, 140, 142, 143, 145, 146, 147, 148, 150, 151, 161, 164, 178

Rock Creek Park, 3, 15, 25, 50, 66, 80, 92, 96, 113, 134  
 visitation, 92, 129

## S

safety, iv, 4, 19, 76, 77, 78, 79, 87, 91, 98, 113, 114, 115, 138, 139, 152, 153, 154, 155, 156, 157, 158, 159

scooters. *See* electric scooters

scoping, 17, 18, 24, 66, 169

Secretary of the Interior, iii, 3, 11

security, iv, v, 19, 27, 30, 44, 79, 80, 83, 86, 87, 88, 91, 94, 96, 98, 107, 113, 118, 121, 124, 127, 132, 138, 139, 141, 144, 146, 149, 151, 153, 154, 155, 156, 157, 158, 159, 161, 162, 163

Segway® Human Transporter (HT), iii, iv, 12, 13, 18, 19, 23, 31, 32, 36, 43, 52, 56, 61, 62, 68, 69, 76, 77, 78, 81, 83, 85, 87, 105, 108, 113, 117, 118, 119, 120, 122, 123, 124, 126, 127, 128, 133, 152, 153, 155, 159, 170, 178  
 designated routes, 44, 52, 155, 157  
 rentals, 31, 113  
 safety, 52, 152, 154, 155, 156, 157, 158  
 tours, 138

service frequency. *See* transit service

shuttle bus sightseeing tours, 20, 49, 59, 66

- shuttles, 15, 16, 23, 32, 34, 36, 66, 80, 101, 105, 114, 133
- sidewalks, 12, 13, 14, 18, 23, 31, 52, 94, 98, 113, 117, 119, 122, 124, 127, 131, 152, 153, 154, 155, 156, 157, 158
- SmarTrip cards, 48, 73, 116, 139, 141, 143, 145, 148, 150
- Smithsonian Institution, iii, 3, 25, 91, 95, 97, 126, 133, 134, 137
- soils, 19
- special events, 25, 28, 44, 94, 129, 139, 141, 144, 146, 149, 161
- species of concern, 19
- staffing, iv, 19, 24, 51, 88, 161, 162, 163
- supplemental transportation services, 25, 30, 44, 62, 74, *See also* excursion tours
- Supreme Court. *See* U.S. Supreme Court
- sustainability, 12, 32, 33
- T**
- threatened or endangered species, 19
- ticketing, 3, 41, 65, 73
- Arlington National Cemetery service, 40, 49, 59, 66, 82
  - excursion tours, 41, 83
  - introductory tour (Alternative 4), 66
  - joint-ticketing system, 48, 82, 84, 85, 86, 139, 141, 143, 144, 145, 146, 148, 149, 150, 151
  - ticket kiosks, 36, 41
  - ticket outlets, 36, 40
  - vending machines, 48, 51, 59, 60, 66, 67, 75, 85
  - visitor core service, 36, 40, 49, 59, 82
- tickets. *See* ticketing
- Tidal Basin, 15, 56, 91, 121, 134
- tour buses, 17, 18, 31, 32, 65, 67, 95, 98, 102, 106, 116, 124, 131, 133, 169
- tour guides, 14, 17, 94, 96, 106, 138, 140, 145
- Tourmobile Sightseeing, 14, 27, 101, 106, 107, 132, *See also* Landmark Services, Inc.
- traffic operations, iv, 18, 85, 108, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 149
- trails, 12, 14, 18, 23, 31, 36, 52, 62, 68, 78, 81, 83, 85, 87, 108, 113, 116, 117, 119, 120, 122, 124, 126, 127, 131, 133, 152, 153, 154, 155, 156, 157, 158, 159
- transit facilities, iv, 12, 16, 24, 29, 32, 33, 34, 42, 51, 55, 60, 68, 75, 83, 85, 115, 116, 117, 119, 120, 122, 123, 124, 125, 128, 141, 143, 145, 148, 150, 153, 154, 162, 163
- transit operations, iv, 17, 19, 24, 25, 26, 29, 30, 32, 33, 42, 65, 74, 81, 88, 91, 95, 106, 107, 124, 125, 127, 154, 155, 156, 157, 158, 160, 161, 162, 163, 165
- transit operator, 30, 33, 34, 35, 42, 51, 60, 68, 75, 101, 102, 106, 139, 152, 154, 155, 156, 157, 158, 160, 162, 163, 164
- transit service
- routes, iii, 14, 19, 23, 24, 25, 26, 28, 30, 31, 32, 36, 44, 49, 50, 56, 59, 62, 65, 66, 67, 70, 73, 78, 79, 80, 81, 82, 83, 84, 86, 87, 95, 96, 98, 102, 105, 106, 113, 116, 118, 121, 123, 124, 126, 127, 131, 132, 139, 140, 141, 142, 144, 145, 146, 147, 148, 149, 151, 156, 161, 173
  - service contract, 34, 162
  - service frequency, 26, 28, 48, 83, 145, 148, 150
- transit stops, iv, 20, 28, 29, 30, 31, 32, 34, 42, 44, 48, 49, 51, 59, 60, 65, 67, 74, 75, 85, 86, 87, 88, 93, 101, 107, 115, 116, 118, 120, 121, 122, 123, 125, 126, 128, 131, 133, 138, 139, 141, 143, 145, 146, 148, 149, 150, 151, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 171
- transit user convenience, iv, 138, 139, 141, 143, 146, 147, 149
- transit vehicles, iv, 12, 14, 20, 27, 28, 30, 31, 36, 42, 51, 62, 65, 77, 78, 86, 87, 88, 106, 107, 115, 118, 119, 120, 121, 124, 126, 131, 138, 139, 141, 143, 144, 145, 146, 148, 149, 150, 151, 152, 153, 161, 162, 163
- accessibility, 27, 154, 155, 156, 157, 158, 159
  - backup vehicles (spares), 28
  - bike racks, 78, 84
  - maintenance, 29, 160
  - ownership, 33, 34
  - public address system, 48, 59, 66
  - safety and security features, iv, 32, 52, 152, 154, 155, 156, 157, 158, 159, 161
  - types, 27, 28, 51, 60, 67, 74
  - vehicle fleet, 29, 34
- transportation convenience, 143, 146, 148
- transportation network, iii, iv, 3, 14, 17, 18, 19, 20, 31, 32, 84, 85, 101, 102, 106, 107, 113, 116, 117, 118, 120, 121, 122, 123, 125, 126, 128, 131
- transportation services, iii, 3, 11, 14, 16, 17, 20, 23, 24, 27, 28, 32, 33, 34, 50, 65, 77, 101, 102, 105, 115, 116, 119, 121, 124, 126, 137, 138, 150, 162, 164, 169
- travel demand management, 18, 23, 31, 32, 36, 43, 56, 61, 62, 69, 70, 75, 81, 101, 165, 178
- Twilight Tour, 14, 36, 41, 50, 106, 132
- U**
- U.S. Capitol, 3, 14, 15, 42, 44, 50, 59, 66, 74, 91, 106, 108, 118, 132, 133, 134, 137, 140, 141, 142, 144, 147, 149
- U.S. Marine Corps War Memorial, 20, 27, 44, 49, 50, 56, 59, 60, 62, 66, 67, 74, 77, 82, 83, 86, 118, 121, 123, 124, 134, 140, 141, 142, 144, 147, 149, 151
- U.S. Supreme Court, 11, 133, 134
- Union Station, 14, 36, 40, 41, 42, 44, 48, 50, 56, 59, 60, 62, 65, 67, 70, 74, 95, 98, 105, 106, 118, 121, 123, 126, 131, 133, 134, 140, 142, 144, 146, 147, 149
- parking, 115

**V**

vegetation, 19  
 Vietnam Veterans Memorial, 3, 15, 42, 50, 60, 66, 74,  
   91, 133, 134, 140, 142, 144, 147, 149  
   visitation, 129  
 viewsheds, 20  
 visitor convenience, 48, 49, 139  
 visitor core, iii, iv, 3, 4, 15, 20, 23, 25, 26, 27, 28, 29,  
   30, 31, 36, 40, 41, 48, 50, 51, 56, 59, 65, 66, 70, 73,  
   74, 78, 79, 85, 86, 91, 101, 106, 107, 108, 114, 120,  
   125, 126, 127, 129, 132, 133, 139, 140, 141, 142,  
   143, 144, 145, 146, 147, 148, 149, 150, 151, 152  
   educational / interpretive services, 40, 48, 59, 65,  
   73  
   Metro access, 114  
   parking, 62, 115, 117, 119, 122, 125  
   public transit connections, 48, 59, 65, 73  
   ridership, 42, 50, 51, 60, 67, 74, 140, 142, 145, 147  
   traffic operations, 118, 121, 124, 126  
   transit routes, 36, 40, 44, 56, 62, 70, 121, 123, 128,  
   144  
   transit vehicles, 42, 51, 60, 67, 74  
   transportation service, 25, 36, 44, 62, 74, 81, 116,  
   118, 120, 123, 126  
   hours of operation, 40, 48, 59, 65, 73  
   staffing, 40, 48, 59, 66, 74, 161  
 visitor destinations, iv, 3, 4, 17, 18, 25, 26, 36, 41, 42,  
   44, 48, 50, 56, 59, 60, 62, 66, 67, 70, 74, 76, 78, 80,  
   83, 86, 91, 94, 102, 106, 108, 116, 117, 119, 127,

129, 130, 133, 134, 137, 138, 140, 141, 142, 143,  
 144, 145, 146, 147, 148, 149, 150, 151, 165, 169,  
 173

**W**

walking, 12, 14, 18, 31, 41, 44, 101, 105, 108, 117,  
   133, 138, 139, 140, 143, 145, 148, 150  
 Washington Metropolitan Area Transit Authority  
 (WMATA), 17, 49, 98, 99, 101, 102, 113, 129, 131,  
 152  
 Washington Metropolitan Area Transit Commission  
 (WMATC), 11  
 Washington Monument, 3, 12, 15, 36, 41, 42, 48, 50,  
   56, 59, 66, 74, 83, 91, 94, 95, 99, 108, 133, 134, 137,  
   140, 142, 144, 147, 149  
   visitation, 129  
 water quality, 19  
 wayfinding, iv, 25, 28, 86, 119, 124, 138, 139, 140,  
   141, 143, 145, 146, 148, 149, 150, 151  
 wetlands, 19, 92  
 White House, 3, 15, 42, 44, 50, 60, 66, 70, 73, 74, 80,  
   91, 94, 108, 126, 127, 133, 134, 137, 140, 142, 144,  
   147, 149, 158, 173  
 White House Visitor Center, 15, 42, 44, 50, 60, 66,  
   74, 91, 94, 133, 134, 137, 140, 142, 144, 147, 149  
 World War II Memorial, 3, 15, 50, 60, 67, 74, 83, 86,  
   91, 95, 127, 133, 134, 140, 141, 142, 144, 146, 147,  
   149, 150, 151  
   visitation, 129

[This page intentionally left blank.]





As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environment and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

