



Smithsonian

*FY 2005 Budget Justification to OMB
Volume II
Appendix
October 2003*

ADMINISTRATIVELY CONFIDENTIAL

Information not to be released until after the President's Budget is submitted to the Congress in 2004

Smithsonian Institution
Fiscal Year 2005 Budget Request to OMB
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Information Technology Projects

Copies of the Exhibit 300s for the systems in the list that follows vary in length from 30 to 120 pages. They are not included here, but have been provided electronically to the Office of Management & Budget. Smithsonian staff can find them on PRISM under SITP on the OCIO website or request hardcopies from the Office of Planning, Management & Budget.

Enterprise Resource Planning System
Managed Information Technology Infrastructure (including telephone modernization)
Smithsonian Astrophysical Observatory Scientific Computing
Art Collections Information System (ArtCIS)
National Museum of American History Collections Information System

National Museum of the American Indian Collections Information
System
National Air and Space Museum Collections Information System
National Postal Museum Collections Information System
National Museum of Natural History Research & Collections Information
System (RCIS)
Smithsonian Institution Research & Information System (SIRIS)
Facilities Management System
Photo Collections Information System
Geographic Information System

Other Exhibits

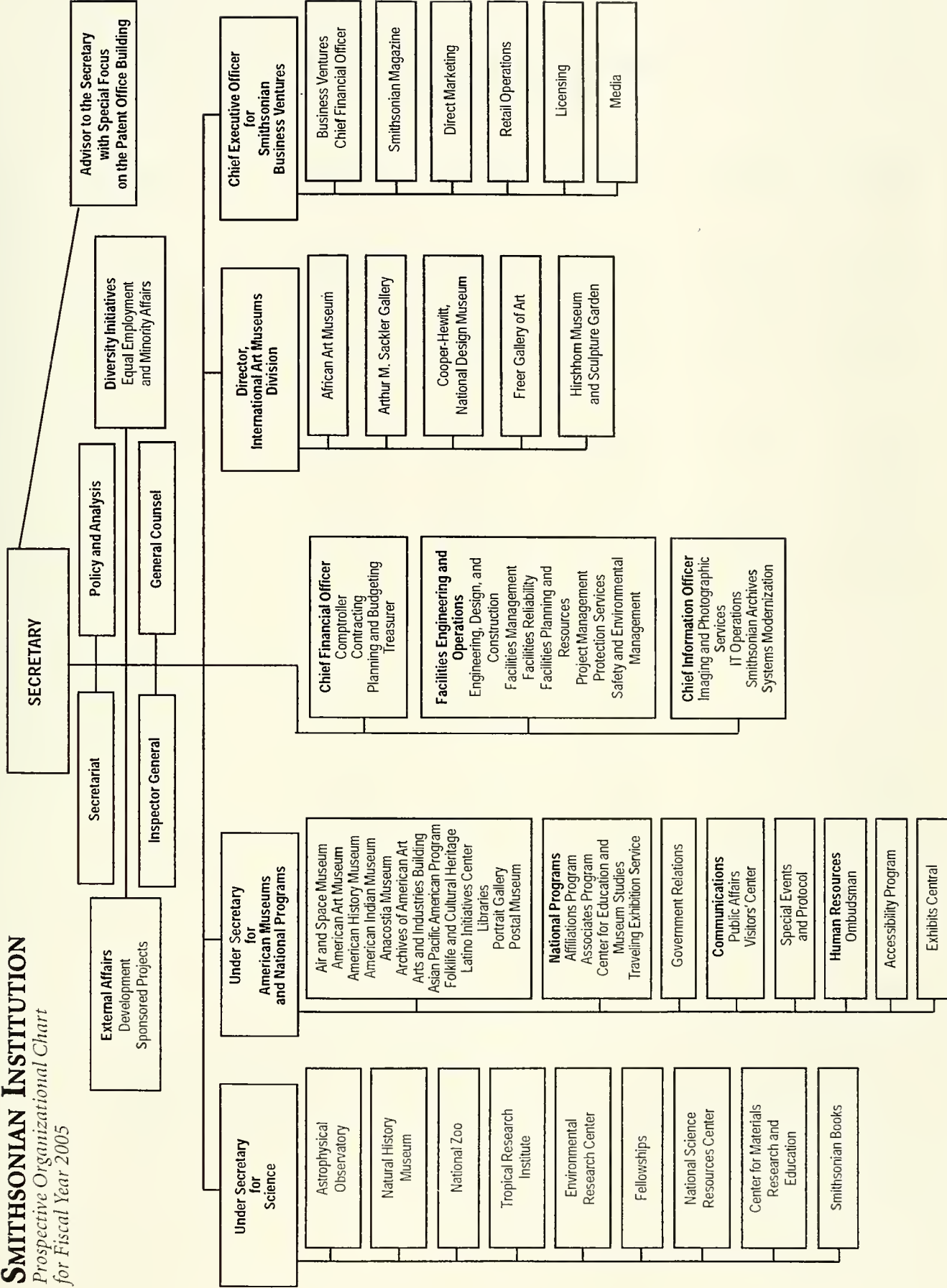
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SMITHSONIAN INSTITUTION

Prospective Organizational Chart
for Fiscal Year 2005



Note: Many office names have been abbreviated to conserve space. Please check with an individual unit to confirm its official name.

VISITS TO THE SMITHSONIAN

FY 1998–FY 2002

<u>MUSEUM</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
MALL					
SI Castle	1,890,838	1,854,903	1,836,963	1,857,990	1,611,325
A&I Building	875,853	742,415	868,171	1,167,490	938,107
Natural History	6,476,700	7,076,380	9,489,272	9,100,091	6,049,472
Air and Space/Silver Hill	10,238,890	9,410,872	9,008,608	9,831,447	7,568,384
Freer Gallery	330,104	364,305	347,607	306,065	392,380
Sackler Gallery	207,653	213,276	224,151	192,296	212,197
African Art	232,939	245,786	234,295	214,775	179,789
Ripley Center	300,147	333,537	502,334	555,183	267,011
American History	5,579,039	5,680,001	6,261,715	5,798,993	3,994,498
Hirshhorn	829,782	795,646	951,570	731,453	687,118
OFF MALL					
American Art/ Portrait Gallery ¹	550,087	362,854	176,881	0	0
Renwick	130,700	125,910	146,071	149,777	141,018
Anacostia ²	26,100	25,794	3,302	0	27,339
Cooper-Hewitt	131,949	108,579	150,786	136,329	142,196
American Indian ³	615,697	587,546	498,316	413,470	316,763
National Zoo	2,800,000	2,682,283	2,360,876	2,807,353	2,162,500
Postal	423,760	461,743	450,483	400,478	317,155
TOTAL	31,640,238	31,071,830	33,511,401	33,663,190	25,007,252

¹ Closed to the public January 2000 through present.

² Closed to the public December 1996 through January 1998, September 1998, and December 1999 through February, 2002.

³ Includes the George Gustav Heye Center, which opened in 1994, and the Cultural Resources Center, which opened in April 2000.

SMITHSONIAN INSTITUTION

Facilities Capital Program

Detail of

FY 2004 - FY 2009 Program

FY 2005 OMB Request

Prepared by the
Office Of Facilities Engineering and Operations

September 8, 2003

Definitions

FACILITIES CAPITAL PROGRAM *

REVITALIZATION

Revitalization activities correct extensive and serious deficiencies, materially extend service life, and often add capital value.

Major Projects - MP

Projects in this category are generally "whole house" renovations of existing buildings to replace major building systems and equipment, to extend service life and add capital value. Also includes modernization and upgrade work to incorporate new codes and standards. Most projects in this category will exceed \$5 million in total cost, and will be identified and described separately in budget submissions.

Other Revitalization Projects - OR

Projects in this category are smaller in scale than major projects, usually involving single building systems or pieces of equipment. Includes the following kinds of work:

General Repairs

Unscheduled but essential revitalization projects that cannot be anticipated specifically in advance or that do not fit into any one discrete category. Also includes staff costs for contract supervision and administration for projects in the Other Revitalization category.

Facade, Roof, and Terrace Repairs

Exterior repair and replacement of building envelopes to prevent major structural and interior damage and deterioration due to age, water intrusion, and weathering.

Fire Detection and Suppression Projects

Fire protection and safety measures meeting today's standards with state-of-the-art technology; includes installation of detection systems such as smoke alarms, suppression systems such as sprinklers, and architectural modifications to create fire zones by installing fire walls and doors.

Access, Safety, and Security Projects

Projects required to ensure access to facilities for persons with disabilities, improve environmental conditions for the health and safety of visitors and staff, and correct facility conditions that threaten the security of the National Collections.

Utility System Repairs

Capital repairs, replacement and upgrades to the heating, ventilating, and air conditioning (HVAC) systems and plumbing, electrical, and communications systems to ensure reliable and energy-efficient operation of utility systems.

Alterations and Modifications

Changes, improvements or minor additions to existing space to maintain the vitality and operating effectiveness of programmatic activities. Individual projects cost less than \$1 million and have little or no impact on facility operating costs.

CONSTRUCTION - CON

Construction or acquisition (other than by lease) of additional physical plant assets, and renovation of newly acquired facilities to ready them for use. Projects in this category will be individual line items in the budget request.

FACILITIES PLANNING AND DESIGN - FPD

Identification and analysis of long-range revitalization and expansion needs, preparation of master plans, and design of specific capital program projects.

* NOTE: Routine maintenance and repair work is no longer included in the Capital Program.

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Building

\$(000)s

Campus	Type	Project	FY04	FY05	FY06	FY07	FY08	FY09	Outyears	FY04-FY12 Total
Arts and Industries Building										
DC - Mall	FPD	Design	0	5,000	0	0	0	0	0	5,000
DC - Mall	MR	Close Building and Relocate Staff and Collections	0	26,400	0	0	0	0	0	26,400
DC - Mall	MR	Consolidate Staff & Collections ABOVE THE LINE REQUEST	0	7,372	0	0	0	0	0	7,372
DC - Mall	MR	Restore Arts & Industries Building	0	0	0	30,000	39,000	39,000	74,000	182,000
Subtotal: AIB			0	38,772	0	30,000	39,000	39,000	74,000	220,772
Anacostia Museum										
DC - Anacostia	OR	Install Fence, Gate and Guard Booth	0	0	0	0	0	0	1,000	1,000
Subtotal: AM			0	0	0	0	0	0	1,000	1,000
Cooper Hewitt Museum										
New York, NY	OR	Upgrade Mansion Electric Distribution & Exterior Lighting	0	0	750	750	750	750	0	3,000
New York, NY	OR	Replace Mansion Boilers	0	0	260	0	0	0	0	260
New York, NY	OR	Upgrade Collection Storage and Perimeter Security	0	0	0	0	0	250	0	250
New York, NY	OR	Stabilize Mansion Fence	0	0	0	0	0	0	600	600
New York, NY	OR	Stabilize Garden Stairwalls	0	0	0	0	0	0	900	900
New York, NY	OR	Stabilize Mansion Sidewalks	0	0	0	0	0	0	450	450
New York, NY	OR	Complete Miller-Fox Renovation	0	0	0	0	1,300	0	0	1,300
Subtotal: CHM			0	0	1,010	750	2,050	1,000	1,950	6,760
Freer Gallery of Art										
DC - Mall	FPD	Design Replace/Restore Roof Exterior	0	0	0	0	1,000	0	0	1,000
DC - Mall	MR	Replace/Restore Roof Exterior	0	0	0	0	0	0	10,000	10,000
DC - Mall	OR	Repair Utility System	0	0	0	500	0	0	0	500
DC - Mall	OR	Replace Gallery Lighting Systems	0	0	0	0	0	0	350	350
DC - Mall	OR	Correct Courtyard Window & Door Condensation	0	0	0	0	0	150	0	150
DC - Mall	OR	Upgrade Accessible Entrance & Corridor	0	0	0	0	0	600	0	600
Subtotal: FGA			0	0	0	500	1,000	750	10,350	12,600

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Building

\$(000)s

<i>Campus</i>	<i>Type</i>	<i>Project</i>	<i>FY04</i>	<i>FY05</i>	<i>FY06</i>	<i>FY07</i>	<i>FY08</i>	<i>FY09</i>	<i>Outyears</i>	<i>FY04-FY12</i> <i>Total</i>
Hirshhorn Museum and Sculpture Garden										
DC - Mall	FPD	Design Restore & Waterproof Plaza & Foundation Walls	0	0	0	0	2,000	0	0	2,000
DC - Mall	MR	Restore & Waterproof Plaza & Foundation Walls	0	0	0	0	0	0	20,000	20,000
DC - Mall	OR	Improve Mall Master Raceway	0	0	0	0	0	0	300	300
DC - Mall	OR	Modernize Security System	0	0	0	0	0	550	0	550
DC - Mall	OR	Replace Loading Dock Retaining Walls	0	500	0	0	0	0	0	500
DC - Mall	OR	Replace Windows	0	0	0	0	350	0	0	350
DC - Mall	OR	Renovate Front Entrance	0	0	0	0	0	0	850	850
Subtotal: HMSG			0	500	0	0	2,350	550	21,150	24,550

Museum Support Center

Suitland, MD	FPD	Design Pod 3 Renovation	0	1,000	0	0	0	0	0	1,000
Suitland, MD	FPD	Design Mechanical & Electrical Systems Upgrade	0	0	0	0	0	0	4,000	4,000
Suitland, MD	MR	Renovate Pod 3	0	0	0	10,000	0	0	0	10,000
Suitland, MD	MR	Upgrade Mechanical & Electrical Systems	0	0	0	0	0	0	20,000	20,000
Suitland, MD	OR	Upgrade Building CCTV and Pod Security	0	0	0	375	0	0	0	375
Suitland, MD	OR	Modernize Security System	0	0	0	1,025	0	0	0	1,025
Suitland, MD	OR	Horticulture Support Building Stairs	0	0	0	95	0	0	0	95
Suitland, MD	OR	Improve Fire Detection & Protection	0	0	500	0	0	0	0	500
Suitland, MD	CON	Construct Pod 5 (includes 5 FTE)	10,000	18,000	0	0	0	0	0	28,000
Subtotal: MSC			10,000	19,000	500	11,495	0	0	24,000	64,995

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Building

\$(000)s

<i>Campus</i>	<i>Type</i>	<i>Project</i>	<i>FY04</i>	<i>FY05</i>	<i>FY06</i>	<i>FY07</i>	<i>FY08</i>	<i>FY09</i>	<i>Outyears</i>	<i>FY04-FY12</i> <i>Total</i>
Multiple Site Projects										
All Facilities	FPD	Facility Planning and Design, Revitalization	3,000	4,000	3,100	3,500	3,100	3,500	3,000	23,200
All Facilities	FPD	A&M Planning and Design, inc. Const. Planning	0	600	500	500	600	600	600	3,400
All Facilities	FPD	Real Property and Space Utilization Studies	300	250	250	250	300	500	500	2,350
All Facilities	FPD	Comprehensive Facilities Master Development Planning Studies	1,000	1,200	1,500	1,700	1,700	1,700	2,000	10,800
All Facilities	MR	Construct/Install Anti-Terrorism Protection	0	4,900	11,000	6,100	2,200	7,800	6,600	38,600
All Facilities	OR	Provide Guard Services, All Locations	300	300	300	300	300	300	300	2,100
All Facilities	OR	Replace Mall Wide Signage	575	0	0	0	0	0	0	575
All Facilities	OR	Miscellaneous Capital Repair (SI-wide, incl. NZP & asbestos/lead)	3,370	3,620	4,050	4,010	4,025	4,400	5,000	28,475
All Facilities	OR	Personnel (27 FTE + 5 more FY08 on)	3,000	3,000	3,000	3,000	3,500	3,500	3,500	22,500
All Facilities	OR	Reprographics and Library	500	500	500	500	500	500	500	3,500
All Facilities	OR	Install Backflow Prevention	0	0	0	0	3,000	0	0	3,000
DC - Soldier's Home	OR	Reglaze Curb Footing and Replace Floor, Greenhouses 9 & 10	0	0	0	0	0	150	0	150
Suitland, MD	OR	Upgrade Fire Mains, All Suitland	0	0	400	0	0	0	0	400
All Facilities	OR	Program Oriented Alterations & Modifications	0	0	3,000	4,000	5,000	5,000	6,000	23,000
Subtotal: MULTI			12,045	18,370	27,600	23,860	24,225	27,950	28,000	162,050

National Air and Space Museum

DC - Mall	FPD	Design Mechanical System, Basement & 3rd Floor	0	0	0	0	0	0	4,000	4,000
DC - Mall	MR	Replace Mechanical & Electrical Systems	0	0	0	0	0	0	55,000	55,000
DC - Mall	OR	Fire Alarm Upgrade	0	0	4,000	0	0	0	0	4,000
DC - Mall	OR	Replace Dimmers/Ceiling in Theater	0	0	0	0	0	200	0	200
DC - Mall	OR	Modernize Security System	0	0	0	0	400	0	0	400
DC - Mall	OR	Upgrade Egress Signage & Travelway, Third Floor	0	0	0	0	0	100	0	100
DC - Mall	OR	Upgrade Accessible Egress	0	0	0	0	0	250	0	250
DC - Mall	OR	Repair Irrigation System @ Jefferson Drive	0	0	0	0	0	100	0	100
DC - Mall	OR	Repair Irrigation and Water Supply for Flight Garden	0	0	0	0	0	320	0	320
DC - Mall	OR	Repair Delta Solar Reflection Pool	0	0	0	0	0	200	0	200
DC - Mall	OR	Replace Ramsey Room Halon System	0	0	200	0	0	0	0	200
DC - Mall	OR	Waterproof Terrace at Perimeter	0	0	1,500	0	0	0	0	1,500
Subtotal: NASM			0	0	5,700	0	400	1,170	59,000	66,270

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Building

\$(000)s

<i>Campus</i>	<i>Type</i>	<i>Project</i>	<i>FY04</i>	<i>FY05</i>	<i>FY06</i>	<i>FY07</i>	<i>FY08</i>	<i>FY09</i>	<i>Outyears</i>	<i>FY04-FY12</i> <i>Total</i>
National Museum of American History										
DC - Mail	FPD	Design Public Space Renewal	4,000	0	0	0	0	0	0	4,000
DC - Mail	FPD	Design Non-Public Space Renewal	0	0	0	0	0	0	5,000	5,000
DC - Mail	MR	Renew Public Space	3,500	15,000	23,000	3,500	0	0	0	45,000
DC - Mail	MR	Renew Non-Public Space	0	0	0	0	0	0	45,000	45,000
DC - Mail	OR	Replace Emergency Generator	0	0	0	1,000	0	0	0	1,000
DC - Mail	OR	Upgrade Collection Storage Electronic Security	0	0	0	0	500	0	0	500
Subtotal: NMAH			7,500	15,000	23,000	4,500	500	0	50,000	100,500
National Museum of the American Indian										
Suitland, MD	OR	Correct Water Penetration/Condensation, CRC	0	400	0	0	0	0	0	400
New York, NY	OR	Improve GGHC Accessibility	0	0	80	0	0	0	0	80
DC - Mail	CON	Construct Mail Museum (includes 5 FTE)	0	400	80	0	0	0	0	0
Subtotal: NMAI			0	400	80	0	0	0	0	480
National Museum of Natural History										
DC - Mail	FPD	Design Ongoing Revitalization	0	3,000	4,000	4,000	4,000	4,000	7,000	26,000
DC - Mail	MR	Continue Revitalization	3,000	10,000	30,000	30,000	25,000	34,000	41,000	173,000
DC - Mail	MR	Upgrade Entrance Access/Anti-terrorism Security	0	0	11,000	0	0	0	0	11,000
DC - Mail	OR	Upgrade Collection Storage Electronic Security	0	0	0	0	0	500	0	500
DC - Mail	OR	Upgrade Hope Diamond Security	0	0	0	0	0	300	0	300
DC - Mail	OR	Install Chemical Control Facility	0	0	0	0	1,000	0	0	1,000
DC - Mail	OR	Install New Interior Handrails	0	0	0	0	0	600	0	600
DC - Mail	OR	Replace West Loading Dock Lift	0	0	0	0	0	200	0	200
Subtotal: NMNH			3,000	13,000	45,000	34,000	30,000	39,600	48,000	212,600

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Building

\$(000)s

Campus	Type	Project	FY04	FY05	FY06	FY07	FY08	FY09	Outyears	FY04-FY12 Total
National Zoological Park										
DC - Rock Creek	FPD	Design Major Revitalization (Africa, Americas, Ape)	0	6,000	2,000	0	0	0	0	8,000
DC - Rock Creek	FPD	Update Rock Creek Master Plan	0	2,000	0	0	0	0	0	2,000
DC - Rock Creek	FPD	Design Small Mammals Renovation	0	0	0	3,000	0	0	0	3,000
DC - Rock Creek	FPD	Design Reptile & Invertebrates Renovation	0	0	0	0	3,000	0	0	3,000
DC - Rock Creek	FPD	Continue Design for Revitalization of Major Structures (Brid, A	0	0	0	0	0	6,000	2,000	8,000
DC - Rock Creek	MR	Asia Trail I - (formerly Renovate Deer & Tapir Area)	9,000	15,000	0	0	0	0	0	24,000
DC - Rock Creek	MR	Asia Trail II: Elephants FY05 ABOVE LINE REQUEST	0	34,000	29,000	0	0	0	0	63,000
DC - Rock Creek	MR	Africa Exhibit	0	0	0	20,000	20,000	0	0	40,000
DC - Rock Creek	MR	Renovate Seal/Sea Lion & Lower Bear (Americas)	0	0	17,000	20,000	0	0	0	37,000
DC - Rock Creek	MR	Renovate Ape House	0	0	0	0	15,000	0	0	15,000
DC - Rock Creek	MR	Renovate Small Mammals	0	0	0	0	0	30,000	0	30,000
DC - Rock Creek	MR	Continue Revitalization of Major Structures	0	0	0	0	0	0	34,000	34,000
Front Royal, VA	MR	Construct Consolidated Maintenance Facility	0	0	0	0	0	0	5,000	5,000
DC - Rock Creek	OR	Improve/Upgrade Site Utilities	0	1,000	500	500	500	500	1,500	4,500
DC - Rock Creek	OR	Improve Bird, Small Mammals and/or Reptiles	0	0	0	650	0	0	0	650
DC - Rock Creek	OR	Replace Forest Carnivore Trail	0	0	0	220	0	0	0	220
DC - Rock Creek	OR	Renovate/Improve Restrooms and Amenities	0	500	1,500	900	0	0	0	2,900
DC - Rock Creek	OR	Repair Seal/Sea Lion & Beaver/Otter (Emergency)	425	0	0	0	0	0	0	425
DC - Rock Creek	OR	Improve Fire Protection Systems	0	600	200	200	500	500	600	2,600
DC - Rock Creek	OR	Upgrade Lion/Tiger Moat & Planters	0	0	0	0	900	0	0	900
DC - Rock Creek	OR	Replace Roof & Skylight Elephant, Reptile, Sm. Mammal, Ape	0	4,000	2,000	2,000	2,000	0	0	10,000
Front Royal, VA	OR	Install/Improve Fire Protection Systems	0	100	100	100	200	100	300	900
Subtotal: NZP			9,425	63,200	52,300	47,570	42,100	37,100	43,400	295,095

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM
Program by Building
\$(000)s

Campus	Type	Project	FY04	FY05	FY06	FY07	FY08	FY09	Outyears	FY04-FY12 Total
Patent Office Building										
DC - Gallery Place	MR	Renovate Patent Office Building (includes 5 FTE)	48,000	44,400	0	0	0	0	0	92,400
		Subtotal: POB	48,000	44,400	0	0	0	0	0	92,400

Quadrangle: National Museum of African Art, Sackler Gallery, Ripley Center

DC - Mall	FPD	Design Mechanical System & Roof	0	0	0	0	0	0	4,000	4,000
DC - Mall	MR	Replace Mechanical System & Roof	0	0	0	0	0	0	56,000	56,000
DC - Mall	OR	Upgrade Utility Systems	0	0	0	0	0	0	8,500	8,500
DC - Mall	OR	Replace Steam Humidification System	0	0	0	0	0	950	0	950
DC - Mall	OR	Improve NMAA Courtyard Access	0	0	0	0	0	100	0	100
DC - Mall	OR	Upgrade Exhibit Electronic Security Intra AMSG/FGA, NMAFA	0	0	0	0	400	0	0	400
DC - Mall	OR	Repair Interior Stone	0	0	0	0	0	250	0	250
DC - Mall	OR	Replace Fire Alarm System	0	0	1,500	0	0	0	0	1,500
DC - Mall	OR	Repair Roof Leaks	0	500	0	0	0	0	0	500
		Subtotal: QUAD	0	500	1,500	0	400	1,300	68,500	72,200

Renwick Gallery

DC - Lafayette Park	FPD	Design Major Restoration	0	0	0	0	2,300	0	0	2,300
DC - Lafayette Park	MR	Restore Renwick Gallery	0	0	0	0	0	0	23,000	23,000
DC - Lafayette Park	OR	Improve Life Safety, incl. Cooling Tower Replacement	0	0	0	0	0	2,000	0	2,000
		Subtotal: RGA	0	0	0	0	2,300	2,000	23,000	27,300

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Building

\$(000)s

<i>Campus</i>	<i>Type</i>	<i>Project</i>	<i>FY04</i>	<i>FY05</i>	<i>FY06</i>	<i>FY07</i>	<i>FY08</i>	<i>FY09</i>	<i>Outyears</i>	<i>FY04-FY12 Total</i>
Smithsonian Astrophysical Observatory										
Cambridge, MA	OR	Install Fire Protection Sprinklers, Cambridge Buildings	0	0	0	0	1,000	1,000	1,000	3,000
Hawaii	OR	Install SMA Emergency Generator	0	0	0	0	250	0	0	250
Hawaii	OR	Upgrade HVAC, SMA	0	80	0	0	0	0	0	80
Hawaii	OR	Oxygen Enrichment, Summit Facility	0	0	100	0	0	0	0	100
Hawaii	OR	Replace Roll-up Door, SMA	0	100	0	0	0	0	0	100
Hawaii	OR	Improve Fire Safety, SMA	0	50	0	0	0	0	0	50
Tuscon, AZ	OR	Replace HVAC	0	0	0	0	0	500	0	500
Tuscon, AZ	OR	Improve Water System	0	0	350	0	0	0	0	350
Tuscon, AZ	OR	Install Microwave Link Summit to Tucson	0	0	200	0	0	0	0	200
Tuscon, AZ	OR	Install MMT Rotary Uninterruptible Power	0	0	0	0	0	150	0	150
Tuscon, AZ	OR	Replace FM Repeater	0	0	0	0	0	60	0	60
Tuscon, AZ	OR	Repair/Replace Summit Dorm	0	0	0	0	0	0	3,000	3,000
Tuscon, AZ	OR	Replace Guardrails, Mt. Hopkins Road	0	0	0	0	500	0	0	500
Tuscon, AZ	OR	Repair/Improve Whipple Road	0	0	0	0	0	0	2,000	2,000
Tuscon, AZ	OR	Repair Common Building Exterior	0	0	0	0	0	150	0	150
Tuscon, AZ	CON	VERITAS, Control Building	0	990	0	0	0	0	0	990
Subtotal: SAO			0	1,220	650	0	1,750	1,860	6,000	11,480
Smithsonian Environmental Research Center										
Edgewater, MD	OR	Install Utility Connection to Waterfront	0	0	800	0	0	0	0	800
Edgewater, MD	OR	Repair Sanitary Sewer	0	0	0	0	500	0	0	500
Edgewater, MD	OR	Replace HVAC Systems	0	0	500	500	500	0	0	2,000
Edgewater, MD	OR	Install Perimeter Fire Lane	0	0	0	0	1,750	0	0	1,750
Edgewater, MD	OR	Install Perimeter CCTV	0	0	0	0	275	0	0	275
Edgewater, MD	OR	Improve Security Lighting	0	0	100	0	0	0	0	100
Edgewater, MD	OR	Improve Entrance Road	0	0	0	0	0	0	1,500	1,500
Edgewater, MD	OR	Consolidate and Improve Alcohol Storage	0	600	0	0	0	0	0	600
Edgewater, MD	OR	Improve Signage, Security and Accessibility	0	0	0	0	0	0	1,400	1,400
Edgewater, MD	OR	Repair Corn Island Facilities	0	0	0	0	0	700	0	700
Edgewater, MD	OR	Improve Access to Southern Site	0	0	0	0	0	0	1,000	1,000
Subtotal: SERC			0	600	1,400	500	1,275	2,950	3,900	10,625

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Building

\$(000)s

<i>Campus</i>	<i>Type</i>	<i>Project</i>	<i>FY04</i>	<i>FY05</i>	<i>FY06</i>	<i>FY07</i>	<i>FY08</i>	<i>FY09</i>	<i>Outyears</i>	<i>FY04-FY12 Total</i>
Silver Hill Facility										
Suitland, MD	FPD	Design Infrastructure Revitalization	0	0	0	0	0	0	2,000	2,000
Suitland, MD	MR	Revitalize Infrastructure	0	0	0	0	0	0	21,000	21,000
Suitland, MD	OR	Provide Surge Protection for Site	0	0	0	0	750	0	0	750
Suitland, MD	OR	Improve Environmental Conditions, Bldg 21	0	0	0	0	0	150	0	150
Suitland, MD	OR	Improve Environmental Conditions, Bldgs... 15/16	0	0	0	0	0	300	0	300
Suitland, MD	OR	Repair HVAC, Buildings 22 & 23	0	0	0	0	600	0	0	600
Suitland, MD	OR	Modernize Security System at Garber	0	0	400	400	0	0	0	800
Suitland, MD	OR	Abate Asbestos Bldg. in 16	0	0	0	0	0	0	2,900	2,900
Suitland, MD	OR	Abate Asbestos Bldg. in 18	0	0	0	0	0	2,000	0	2,000
Suitland, MD	OR	Abate Asbestos Bldg. in 15	0	0	0	0	2,000	0	0	2,000
Suitland, MD	OR	Monitor Asbestos Condition Throughout Site	0	0	0	500	0	0	0	500
Suitland, MD	OR	Install Emergency Intercom	0	0	0	0	0	120	0	120
Suitland, MD	OR	Renovate Building 27	0	0	0	0	1,500	0	0	1,500
Suitland, MD	OR	Renovate Buildings 7 & 31	0	0	150	0	0	0	0	150
Suitland, MD	OR	Upgrade Fire Alarm System	0	0	0	500	0	0	0	500
Suitland, MD	OR	Provide Central Fire Pump	0	0	0	750	0	0	0	750
Suitland, MD	OR	Repair Building 10 Roof	0	0	0	500	0	0	0	500
Subtotal: SHF			0	0	550	2,650	4,850	2,570	25,900	36,520

Smithsonian Institution Building (Castle)

DC - Mall	FPD	Design Restoration Project	0	0	0	0	0	0	5,000	5,000
DC - Mall	MR	Renovate Smithsonian Castle	0	0	0	0	0	0	75,000	75,000
Subtotal: SIB			0	0	0	0	0	0	80,000	80,000

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Building

\$(000)s

<i>Campus</i>	<i>Type</i>	<i>Project</i>	<i>FY04</i>	<i>FY05</i>	<i>FY06</i>	<i>FY07</i>	<i>FY08</i>	<i>FY09</i>	<i>Outyears</i>	<i>FY04-FY12</i> <i>Total</i>
Smithsonian Tropical Research Institute										
Panama	OR	Improve Communications/OIT Systems	0	0	225	0	0	0	0	225
Panama	OR	Automate Lighting System/ Install Surge Protection	0	0	350	0	0	0	0	350
Panama	OR	Install Wall/Fence & Guard Booth, Tivoli	0	0	0	0	0	0	2,000	2,000
Panama	OR	Repair Tivoli Interior/Exterior	0	0	0	0	0	0	1,500	1,500
Panama	OR	Repair Tivoli Structure	0	300	0	0	0	0	0	300
Panama	OR	Improve BCI Facility	0	0	150	0	0	0	0	150
Panama	OR	Repair Tupper Facade & Roof	0	0	540	275	0	0	0	815
Panama	OR	Repair Exteriors at BCI	0	0	445	0	0	0	0	445
Subtotal: STRI			0	300	1,710	275	0	0	3,500	5,785
TOTAL, FACILITIES CAPITAL			89,970	215,262	161,000	156,100	152,200	157,800	571,650	1,503,982

SUMMARY BY CATEGORY

Major Projects	63,500	157,072	121,000	119,600	101,200	110,800	485,600	1,158,772
Other Revitalization	8,170	16,150	28,650	23,550	33,000	30,700	46,950	187,170
Planning & Design	8,300	23,050	11,350	12,950	18,000	16,300	39,100	129,050
Construction	10,000	18,990	0	0	0	0	0	28,990
	89,970	215,262	161,000	156,100	152,200	157,800	571,650	1,503,982

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM
Program by Category
\$(000)s

Campus	Location	Project	FY04	FY05	FY06	FY07	FY08	FY09	Outyears	FY04-FY12 Total
REVITALIZATION										
MAJOR PROJECTS										
DC - Mail	AIB	Close Building and Relocate Staff and Collections	0	26,400	0	0	0	0	0	26,400
DC - Mail	AIB	Consolidate Staff & Collections ABOVE THE LINE REQUEST	0	7,372	0	0	0	0	0	7,372
DC - Mail	AIB	Restore Arts & Industries Building	0	0	0	30,000	39,000	39,000	74,000	182,000
DC - Mail	FGA	Replace/Restore Roof Exterior	0	0	0	0	0	0	10,000	10,000
DC - Mail	HMSG	Restore & Waterproof Plaza & Foundation Walls	0	0	0	0	0	0	20,000	20,000
Suitland, MD	MSC	Renovate Pod 3	0	0	0	10,000	0	0	0	10,000
Suitland, MD	MSC	Upgrade Mechanical & Electrical Systems	0	0	0	0	0	0	20,000	20,000
All Facilities	MULTI	Construct/Install Anti-Terrorism Protection	0	4,900	11,000	6,100	2,200	7,800	6,600	38,600
DC - Mail	NASM	Replace Mechanical & Electrical Systems	0	0	0	0	0	0	55,000	55,000
DC - Mail	NMAH	Renew Public Space	3,500	15,000	23,000	3,500	0	0	0	45,000
DC - Mail	NMAH	Renew Non-Public Space	0	0	0	0	0	0	45,000	45,000
DC - Mail	NMNH	Continue Revitalization	3,000	10,000	30,000	30,000	25,000	34,000	41,000	173,000
DC - Mail	NMNH	Upgrade Entrance Access/Anti-terrorism Security	0	0	11,000	0	0	0	0	11,000
DC - Rock Creek	NZP	Asia Trail I - (formerly Renovate Deer & Tapir Area)	9,000	15,000	0	0	0	0	0	24,000
DC - Rock Creek	NZP	Asia Trail II: Elephants FY05 ABOVE LINE REQUEST	0	34,000	29,000	0	0	0	0	63,000
DC - Rock Creek	NZP	Africa Exhibit	0	0	0	20,000	20,000	0	0	40,000
DC - Rock Creek	NZP	Renovate Seal/Sea Lion & Lower Bear (Americas)	0	0	17,000	20,000	0	0	0	37,000
DC - Rock Creek	NZP	Renovate Ape House	0	0	0	0	15,000	0	0	15,000
DC - Rock Creek	NZP	Renovate Small Mammals	0	0	0	0	0	30,000	0	30,000
DC - Rock Creek	NZP	Continue Revitalization of Major Structures	0	0	0	0	0	0	34,000	34,000
Front Royal, VA	NZPFR	Construct Consolidated Maintenance Facility	0	0	0	0	0	0	5,000	5,000
DC - Gallery Place	POB	Renovate Patent Office Building (includes 5 FTE)	48,000	44,400	0	0	0	0	0	92,400
DC - Mail	QUAD	Replace Mechanical System & Roof	0	0	0	0	0	0	56,000	56,000
DC - Lafayette Park	RG	Restore Renwick Gallery	0	0	0	0	0	0	23,000	23,000
Suitland, MD	SHF	Revitalize Infrastructure	0	0	0	0	0	0	21,000	21,000
DC - Mail	SIB	Renovate Smithsonian Castle	0	0	0	0	0	0	75,000	75,000
Subtotal, Major Revitalization			63,500	157,072	121,000	119,600	101,200	110,800	485,600	1,158,772

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Category

\$(000)s

Campus	Location	Project	FY04	FY05	FY06	FY07	FY08	FY09	Outyears	FY04-FY12 Total
OTHER REVITALIZATION										
DC - Anacostia	AM	Install Fence, Gate and Guard Booth			0	0	0	0	1,000	1,000
New York, NY	CHM	Upgrade Mansion Electric Distribution & Exterior Lighting	0	0	750	750	750	750	0	3,000
New York, NY	CHM	Replace Mansion Boilers	0	0	260	0	0	0	0	260
New York, NY	CHM	Upgrade Collection Storage and Perimeter Security	0	0	0	0	0	250	0	250
New York, NY	CHM	Stabilize Mansion Fence	0	0	0	0	0	0	600	600
New York, NY	CHM	Stabilize Garden Stairwalls	0	0	0	0	0	0	900	900
New York, NY	CHM	Stabilize Mansion Sidewalks	0	0	0	0	0	0	450	450
New York, NY	CHM	Complete Miller-Fox Renovation	0	0	0	0	1,300	0	0	1,300
New York, NY	CHM	Repair Utility System	0	0	0	500	0	0	0	500
DC - Mail	FGA	Replace Gallery Lighting Systems	0	0	0	0	0	0	350	350
DC - Mail	FGA	Correct Courtyard Window & Door Condensation	0	0	0	0	0	150	0	150
DC - Mail	FGA	Upgrade Accessible Entrance & Corridor	0	0	0	0	0	600	0	600
DC - Mail	HMSG	Improve Mail Master Raceway	0	0	0	0	0	0	300	300
DC - Mail	HMSG	Modernize Security System	0	0	0	0	0	550	0	550
DC - Mail	HMSG	Replace Loading Dock Retaining Walls	0	500	0	0	0	0	0	500
DC - Mail	HMSG	Replace Windows	0	0	0	0	350	0	0	350
DC - Mail	HMSG	Renovate Front Entrance	0	0	0	0	0	0	850	850
Suitland, MD	MSC	Upgrade Building CCTV and Pod Security	0	0	0	375	0	0	0	375
Suitland, MD	MSC	Modernize Security System	0	0	0	1,025	0	0	0	1,025
Suitland, MD	MSC	Improve Fire Detection & Protection	0	0	500	0	0	0	0	500
All Facilities	MULTI	Install Backflow Prevention	0	0	0	0	3,000	0	0	3,000
All Facilities	MULTI	Provide Guard Services, All Locations	300	300	300	300	300	300	300	2,100
All Facilities	MULTI	Replace Mail Wide Signage	575	0	0	0	0	0	0	575
All Facilities	MULTI	Miscellaneous Capital Repair (SI-wide, incl. NFP & asbestos/lead)	3,370	3,620	4,050	4,010	4,025	4,400	5,000	28,475
All Facilities	MULTI	Personnel (27 FTE + 5 more FY08 on)	3,000	3,000	3,000	3,000	3,500	3,500	3,500	22,500
All Facilities	MULTI	Reprographics and Library	500	500	500	500	500	500	500	3,500
All Facilities	MULTI	Program Oriented Alterations & Modifications	0	0	3,000	4,000	5,000	5,000	6,000	23,000
DC - Soldier's Home	MULTI	Reglaze Curb Footing and Replace Floor, Greenhouses 9 & 10	0	0	0	0	0	150	0	150
Suitland, MD	MULTI	Upgrade Fire Mains, All Suitland	0	0	400	0	0	0	0	400
DC - Mail	NASM	Replace Dimmers/Ceiling in Theater	0	0	0	0	0	200	0	200
DC - Mail	NASM	Modernize Security System	0	0	0	0	400	0	0	400
DC - Mail	NASM	Upgrade Egress Signage & Travelway, Third Floor	0	0	0	0	0	100	0	100
DC - Mail	NASM	Upgrade Accessible Egress	0	0	0	0	0	250	0	250
DC - Mail	NASM	Repair Irrigation System @ Jefferson Drive	0	0	0	0	0	100	0	100
DC - Mail	NASM	Repair Irrigation and Water Supply for Flight Garden	0	0	0	0	0	320	0	320
DC - Mail	NASM	Repair Delta Solar Reflection Pool	0	0	0	0	0	200	0	200
DC - Mail	NASM	Fire Alarm Upgrade	0	0	4,000	0	0	0	0	4,000
DC - Mail	NASM	Replace Ramsey Room Halon System	0	0	200	0	0	0	0	200
DC - Mail	NASM	Waterproof Terrace at Perimeter	0	0	1,500	0	0	0	0	1,500
DC - Mail	NMAH	Replace Emergency Generator	0	0	0	1,000	0	0	0	1,000

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Category

\$(000)s

Campus	Location	Project	FY04	FY05	FY06	FY07	FY08	FY09	Outyears	FY04-FY12 Total
DC - Mail	NMAH	Upgrade Collection Storage Electronic Security	0	0	0	0	500	0	0	500
New York, NY	NMAI	Improve GGHC Accessibility	0	0	80	0	0	0	0	80
Suitland, MD	NMAI	Correct Water Penetration/Condensation, CRC	0	400	0	0	0	0	0	400
DC - Mail	NMNH	Upgrade Collection Storage Electronic Security	0	0	0	0	0	500	0	500
DC - Mail	NMNH	Upgrade Hope Diamond Security	0	0	0	0	0	300	0	300
DC - Mail	NMNH	Install Chemical Control Facility	0	0	0	0	1,000	0	0	1,000
DC - Mail	NMNH	Install New Interior Handrails	0	0	0	0	0	600	0	600
DC - Mail	NMNH	Replace West Loading Dock Lift	0	0	0	0	0	200	0	200
DC - Rock Creek	NZP	Improve/Upgrade Site Utilities	0	1,000	500	500	500	500	1,500	4,500
DC - Rock Creek	NZP	Improve Bird, Small Mammals and/or Reptiles	0	0	0	650	0	0	0	650
DC - Rock Creek	NZP	Replace Forest Carnivore Trail	0	0	0	220	0	0	0	220
DC - Rock Creek	NZP	Renovate/Improve Restrooms and Amenities	0	500	1,500	900	0	0	0	2,900
DC - Rock Creek	NZP	Repair Seal/Sea Lion & Beaver/Otter (Emergency)	425	0	0	0	0	0	0	425
DC - Rock Creek	NZP	Improve Fire Protection Systems	0	600	200	200	500	500	600	2,600
DC - Rock Creek	NZP	Upgrade Lion/Tiger Moat & Planters	0	0	0	0	900	0	0	900
DC - Rock Creek	NZP	Replace Roof & Skylight Elephant, Reptile, Sm. Mammal, Ape	0	4,000	2,000	2,000	2,000	0	0	10,000
Front Royal, VA	NZPFR	Install/Improve Fire Protection Systems	0	100	100	100	200	100	300	900
DC - Mail	QUAD	Upgrade Utility Systems	0	0	0	0	0	0	0	8,500
DC - Mail	QUAD	Replace Steam Humidification System	0	0	0	0	0	950	0	950
DC - Mail	QUAD	Upgrade Exhibit Electronic Security Intra AMSG/FGA, NMAfA	0	0	0	0	400	0	0	400
DC - Mail	QUAD	Repair Interior Stone	0	0	0	0	0	250	0	250
DC - Mail	QUAD	Replace Fire Alarm System	0	0	1,500	0	0	0	0	1,500
DC - Mail	QUAD	Repair Roof Leaks	0	500	0	0	0	0	0	500
DC - Mail	QUAD	Improve NMAA Courtyard Access	0	0	0	0	0	100	0	100
DC - Lafayette Park	RG	Improve Life Safety, incl. Cooling Tower Replacement	0	0	0	0	0	2,000	0	2,000
Cambridge, MA	SAO	Install Fire Protection Sprinklers, Cambridge Buildings	0	0	0	0	1,000	1,000	1,000	3,000
Hawaii	SAO	Install SMA Emergency Generator	0	0	0	0	250	0	0	250
Hawaii	SAO	Upgrade HVAC, SMA	0	80	0	0	0	0	0	80
Hawaii	SAO	Oxygen Enrichment, Summit Facility	0	0	100	0	0	0	0	100
Hawaii	SAO	Replace Roll-up Door, SMA	0	100	0	0	0	0	0	100
Hawaii	SAO	Improve Fire Safety, SMA	0	50	0	0	0	0	0	50
Tuscon, AZ	SAQ	Replace HVAC	0	0	0	0	0	500	0	500
Tuscon, AZ	SAQ	Improve Water System	0	0	350	0	0	0	0	350
Tuscon, AZ	SAQ	Install Microwave Link Summit to Tucson	0	0	200	0	0	0	0	200
Tuscon, AZ	SAQ	Install MMT Rotary Uninterruptible Power	0	0	0	0	0	150	0	150
Tuscon, AZ	SAQ	Replace FM Repeater	0	0	0	0	0	60	0	60
Tuscon, AZ	SAQ	Repair/Replace Summit Dorm	0	0	0	0	0	0	3,000	3,000
Tuscon, AZ	SAQ	Replace Guardrails, Mt. Hopkins Road	0	0	0	0	500	0	0	500
Tuscon, AZ	SAQ	Repair/Improve Whipple Road	0	0	0	0	0	0	2,000	2,000
Tuscon, AZ	SAQ	Repair Common Building Exterior	0	0	0	0	0	150	0	150

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Category

\$(000)s

Campus	Location	Project	FY04	FY05	FY06	FY07	FY08	FY09	Outyears	FY04-FY12 Total
Edgewater, MD	SERC	Install Utility Connection to Waterfront	0	0	800	0	0	0	0	800
Edgewater, MD	SERC	Repair Sanitary Sewer	0	0	0	0	500	0	0	500
Edgewater, MD	SERC	Replace HVAC Systems	0	0	500	500	500	500	0	2,000
Edgewater, MD	SERC	Install Perimeter Fire Lane	0	0	0	0	0	1,750	0	1,750
Edgewater, MD	SERC	Install Perimeter CCTV	0	0	0	0	275	0	0	275
Edgewater, MD	SERC	Improve Security Lighting	0	0	100	0	0	0	0	100
Edgewater, MD	SERC	Improve Entrance Road	0	0	0	0	0	0	1,500	1,500
Edgewater, MD	SERC	Consolidate and Improve Alcohol Storage	0	600	0	0	0	0	0	600
Edgewater, MD	SERC	Improve Signage, Security and Accessibility	0	0	0	0	0	0	1,400	1,400
Edgewater, MD	SERC	Repair Corn Island Facilities	0	0	0	0	0	700	0	700
Edgewater, MD	SERC	Improve Access to Southern Site	0	0	0	0	0	0	1,000	1,000
Suitland, MD	SHF	Provide Surge Protection for Site	0	0	0	0	750	0	0	750
Suitland, MD	SHF	Improve Environmental Conditions, Bldg 21	0	0	0	0	0	150	0	150
Suitland, MD	SHF	Improve Environmental Conditions, Bldgs... 15/16	0	0	0	0	0	300	0	300
Suitland, MD	SHF	Repair HVAC, Buildings 22 & 23	0	0	0	0	600	0	0	600
Suitland, MD	SHF	Modernize Security System at Garber	0	0	400	400	0	0	0	800
Suitland, MD	SHF	Horticulture Support Building Stairs	0	0	0	95	0	0	0	95
Suitland, MD	SHF	Abate Asbestos Bldg. in 16	0	0	0	0	0	0	2,900	2,900
Suitland, MD	SHF	Abate Asbestos Bldg. in 18	0	0	0	0	0	2,000	0	2,000
Suitland, MD	SHF	Abate Asbestos Bldg. in 15	0	0	0	0	2,000	0	0	2,000
Suitland, MD	SHF	Monitor Asbestos Condition Throughout Site	0	0	0	500	0	0	0	500
Suitland, MD	SHF	Install Emergency Intercom	0	0	0	0	0	120	0	120
Suitland, MD	SHF	Renovate Building 27	0	0	0	0	1,500	0	0	1,500
Suitland, MD	SHF	Renovate Buildings 7 & 31	0	0	150	0	0	0	0	150
Suitland, MD	SHF	Upgrade Fire Alarm System	0	0	0	500	0	0	0	500
Suitland, MD	SHF	Provide Central Fire Pump	0	0	0	750	0	0	0	750
Suitland, MD	SHF	Repair Building 10 Roof	0	0	0	500	0	0	0	500
Panama	STRI	Improve Communications/OIT Systems	0	0	225	0	0	0	0	225
Panama	STRI	Automate Lighting System/ Install Surge Protection	0	0	350	0	0	0	0	350
Panama	STRI	Install Wall/Fence & Guard Booth, Tivoli	0	0	0	0	0	0	2,000	2,000
Panama	STRI	Repair Tivoli Interior/Exterior	0	0	0	0	0	0	1,500	1,500
Panama	STRI	Repair Tivoli Structure	0	300	0	0	0	0	0	300
Panama	STRI	Improve BCI Facility	0	0	150	0	0	0	0	150
Panama	STRI	Repair Tupper Facade & Roof	0	0	540	275	0	0	0	815
Panama	STRI	Repair Exteriors at BCI	0	0	445	0	0	0	0	445
Subtotal, Other Revitalization			8,170	16,150	28,650	23,550	33,000	30,700	46,950	187,170
TOTAL REVITALIZATION			71,670	173,222	149,650	143,150	134,200	141,500	532,550	1,345,942

SMITHSONIAN INSTITUTION FEDERAL FACILITIES CAPITAL PROGRAM

Program by Category

\$(000)s

Campus	Location	Project	FY04	FY05	FY06	FY07	FY08	FY09	Outyears	FY04-FY12 Total
CONSTRUCTION										
DC - Mall	NMAI	Construct Mall Museum (includes 5 FTE)								0
Suitland, MD	MSC	Construct Pod 5 (includes 5 FTE)	10,000	18,000	0	0	0	0	0	28,000
Tuscon, AZ	SAO	VERITAS, Control Building	0	990	0	0	0	0	0	990
TOTAL CONSTRUCTION			10,000	18,990	0	0	0	0	0	28,990
FACILITIES PLANNING & DESIGN										
DC - Mall	AIB	Design	0	5,000	0	0	0	0	0	5,000
DC - Mall	FGA	Design Replace/Restore Roof Exterior	0	0	0	0	1,000	0	0	1,000
DC - Mall	HMSG	Design Restore & Waterproof Plaza & Foundation Walls	0	0	0	0	2,000	0	0	2,000
Suitland, MD	MSC	Design Pod 3 Renovation	0	1,000	0	0	0	0	0	1,000
Suitland, MD	MSC	Design Mechanical & Electrical Systems Upgrade	0	0	0	0	0	0	4,000	4,000
All Facilities	MULTI	Facility Planning and Design, Revitalization	3,000	4,000	3,100	3,500	3,100	3,500	3,000	23,200
All Facilities	MULTI	A&M Planning and Design, inc. Const. Planning	0	600	500	500	600	600	600	3,400
All Facilities	MULTI	Real Property and Space Utilization Studies	300	250	250	250	300	500	500	2,350
All Facilities	MULTI	Comprehensive Facilities Master Development Planning Studie	1,000	1,200	1,500	1,700	1,700	1,700	2,000	10,800
DC - Mall	NASM	Design Mechanical System, Basement & 3rd Floor	0	0	0	0	0	0	4,000	4,000
DC - Mall	NMAH	Design Public Space Renewal	4,000	0	0	0	0	0	0	4,000
DC - Mall	NMAH	Design Non-Public Space Renewal	0	0	0	0	0	0	5,000	5,000
DC - Mall	NMNH	Design Ongoing Revitalization	0	3,000	4,000	4,000	4,000	4,000	7,000	26,000
DC - Rock Creek	NZP	Design Major Revitalization (Africa, Americas, Ape)	0	6,000	2,000	0	0	0	0	8,000
DC - Rock Creek	NZP	Update Rock Creek Master Plan	0	2,000	0	0	0	0	0	2,000
DC - Rock Creek	NZP	Design Ape Renovation	0	0	0	0	0	0	0	0
DC - Rock Creek	NZP	Design Small Mammals Renovation	0	0	0	3,000	0	0	0	3,000
DC - Rock Creek	NZP	Design Reptile & Invertebrates Renovation	0	0	0	0	3,000	0	0	3,000
DC - Rock Creek	NZP	Continue Design for Revitalization of Major Structures	0	0	0	0	0	6,000	2,000	8,000
DC - Mall	QUAD	Design Mechanical System & Roof	0	0	0	0	0	0	4,000	4,000
DC - Lafayette Park	RG	Design Major Restoration	0	0	0	0	2,300	0	0	2,300
Suitland, MD	SHF	Design Infrastructure Revitalization	0	0	0	0	0	0	2,000	2,000
DC - Mall	SIB	Design Restoration Project	0	0	0	0	0	0	5,000	5,000
TOTAL FACILITIES PLANNING & DESIGN			8,300	23,050	11,350	12,950	18,000	16,300	39,100	129,050

TOTAL, FACILITIES CAPITAL			89,970	215,262	161,000	156,100	152,200	157,800	571,650	1,503,982
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SMITHSONIAN INSTITUTION
Capital Asset Plan (Exhibit 300) for Revitalization and Construction
FY2005 Budget Submission

PART I. A. SUMMARY OF PROJECT INFORMATION				
Location	Gallery Place, Washington, DC			
Program Unit Sponsor	Smithsonian American Art Museum & National Portrait Gallery			
Account Title	Facilities Capital, Revitalization			
Account Identification Code	XXXXXXXXXX			
Name of Project	Renovate Patent Office Building			
Project Number	943402			
Project Partners				
This Project Is:	New Construction:		Revitalization of Existing Facility:	XXX
Project/Useful segment is funded:	Incrementally:	XXX	Fully:	
Did the Capital Planning Board approve the project?			Date:	1998
Did the Capital Planning Board approve the current funding proposal?			Date:	2001
Did the Smithsonian Board of Regents approve the project?			Date:	2000
Did Congress authorize the project?	Authorization for courtyard/auditorium		Date:	August 2003

B. PROJECT BASELINE		
Initial Baseline Date: July 1998	Date of Baseline Change: June 2000	Indicate Here if Preliminary:
<p>1. Project Scope (specific description of work effort, including square footage involved, historical significance of existing building, project phases if applicable, highlight changes from original baseline):</p> <p>The 165 year-old Patent Office Building (POB), the third oldest public building in the Nation's Capitol, sits on the block bounded by G, F, 7th and 9th Streets, NW, Washington, DC. Built between 1836 and 1867, the marble, granite and sandstone neoclassical structure was also the site of President Abraham Lincoln's Inaugural Ball. Originally designed to exhibit models of inventions patented in the United States, in 1964 the building was converted to museum space and now houses the Smithsonian American Art Museum and the National Portrait Gallery. The Smithsonian American Art Museum houses paintings, sculpture, graphic art, photography and folk art dedicated to the arts and artists of the United States from colonial times to the present. The National Portrait Gallery exhibits portraits of major figures in American history and culture. The building's four stories and basement cover approximately 30,900 square meters (332,000 square feet) and enclose a central courtyard. The POB is listed on the National Register of Historic Places and is a National Historic Landmark. Average annual visitation for both museums prior to closure was 430,000. Projected annual visitation is two million.</p> <p>Phase I: The project will create a main accessible entrance and improve accessibility throughout the building. It will replace mechanical and electrical equipment, including boilers, pipes, air-handling units, chillers, pumps, electrical transformers, and substations, and the fire pumps with new energy-efficient equipment. It will install a new air-distribution and control system, supply and return air grilles, and temperature and humidity controls by zone. Replacement of the cooling tower will occur and will change the location of the mounting configuration to eliminate leaks. It will repair exterior masonry, replace windows, restore elevators, and improve functionality and access by providing accessible restrooms adjacent to each lobby and in event spaces. It will abate hazardous materials such as CFCs and asbestos, and convert administrative space to public space. In 2000, a decision was made to also relocate some mechanical and electrical equipment to new space beneath the courtyard so that the adjacent space can be used for public programming. Finally, the restoration of interior finishes will occur after installation of new systems and other construction.</p> <p>Phase II: The Institution plans to construct a glass enclosure over the building's courtyard, a catering kitchen for foodservice, a visible art conservation laboratory and a museum store. This work will occur concurrently, but will be funded from private sources.</p>		
2. Detail of Overall Project Schedule		Month & Year (total project)
Planning/Design Start Date: All Associated Projects		1994
Design Completion Date: Roof: 03/97 Demo: 03/00 Stone & Window: 01/01		Ph I: Sept 2002; Ph II: Aug 2004
Construction Start Date: Roof: 11/97 Demo: 04/01 Stone & Window: 11/01		May 2003
Construction Completion Date: Roof: 05/00 Demo: 09/02 Stone & Window: 04/03		March 2006
Building Occupancy Date:		May 2006
Public Opening Date (if applicable):		July 2006

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3. Detail of Total Project Cost Estimate		Amount in \$Millions		
CAPITAL COSTS		Phase I	Phase II	TOTAL
Planning/Design		14.7	3.0	17.7
Revitalization/Construction (includes art storage during construction)		123.5	28.0	151.5
Contingency	Percentage: 12.5% of 151.1	15.5	3.2	18.7
Construction Management	Percentage: 8% of 170.2	11.0	2.3	13.3
Building Commissioning	Percentage: 1% of 170.2	1.3	0	1.3
TOTAL CAPITAL COSTS:		166.0	36.5	202.5
Non-capital Costs (fundraising, relocation, one-time occupancy costs, exhibits installation)			13.5	13.5
TOTAL PROJECT COST		166.0	50.0	216
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used) Project cost estimate is based on 95% design completion. Phase I is the revitalization program to be funded from the Facilities Capital account (Federal); Phase II will be privately funded. Drawings and specifications are now 100% complete.				

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Outyears	Total
INITIAL PROJECT BASELINE:	FY: 2003	Request to OMB						Date: Sept 2001	
FEDERAL Capital Costs	93.6	38.0	34.4						166.0
TRUST Capital Costs	3.0	47.0							50.0
TOTAL CAPITAL COSTS									
Non-Capital Costs									
TOTAL PROJECT FUNDS:	96.6	85.0	34.4						216.0
PRIOR BUDGET REQUEST	FY: 2004	Request to OMB						Date: Sept 2002	
FEDERAL Capital Costs	73.6	58.0	34.4						166.0
TRUST Capital Costs	11.0	25.0	.5						36.5
TOTAL CAPITAL COSTS	84.6	83.0	34.9						202.5
Non-Capital Costs			13.5						13.5
TOTAL PROJECT FUNDS:	84.6	83.0	48.4						216.0
CURRENT BUDGET REQUEST	FY: 2005	Request to OMB						Date: Sept 200	
FEDERAL Capital Costs	73.6	48.0	44.4						166.0
TRUST Capital Costs	11.0	25.0	.5						36.5
TOTAL CAPITAL COSTS	84.6	73.0	44.9						202.5
Non-Capital Costs			13.5						13.5
TOTAL PROJECT FUNDS:	84.6	73.0	58.4						216.0
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs		-10.0	+10.0						0
TRUST Capital Costs		0	0						0
TOTAL CAPITAL COSTS		-10.0	+10.0						0
Non-Capital Costs			0						0
TOTAL PROJECT FUNDS:		-10.0	+10.0						0
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs): A portion of the work originally planned for FY 2004 was deferred to FY 2005 due to pressing priorities for that budget year. This work includes the fit out of the 1 st and 2 nd floors of the building.									

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D. OPERATING COST PROJECTIONS			
ESTIMATED ANNUAL OPERATING COST	Date of First Full Year Occupancy (FY): 2007	FTE	Amount (\$M)
Programmatic Costs (Museum Federal and Trust costs)		266	35.0
Facilities Costs (Maintenance, Operations Security & Support):		129	8.2
Central SI Support Costs (Overhead):		1	.04
TOTAL ANNUAL OPERATING COST:		396	43.24
Explanation of basis/methodology for cost estimates (assumptions used, notes on unit preparing estimates)			
<p>These are very preliminary estimates based on square footages and current experience for each activity. Operating costs for the newly renovated and reconfigured building will be refined now that design is complete.</p>			

E. SUMMARY OF OPERATIONS FUNDING																
\$ Millions (1 decimal place)	Prior		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		Outyears	
	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$
INITIAL OPERATIONS ESTIMATE:	FY: 2003				Request to OMB								Date: Sept 2001			
TOTAL FEDERAL OPERATING COST:	245	28.0	247	23.2	247	18.9	247	18.9	247	18.9	247	18.9	247	18.9	247	18.9
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:	245	28.0	247	23.2	247	18.9	247	18.9	247	18.9	247	18.9	247	18.9	247	18.9
PRIOR BUDGET REQUEST	FY: 2004				Request to OMB								Date: Sept 2002			
TOTAL FEDERAL OPERATING COST:	160	12.0	160	12.9	205	27.2	350	37.3	350	28.3	350	27.7	350	27.7	350	27.7
TOTAL TRUST OPERATING COST:	21	10.2	20	11.3	28	11.9	38	13.0	42	13.2	42	13.2	42	13.2	42	13.2
TOTAL ANNUAL OPERATING COST:	181	22.2	180	24.2	233	39.1	388	50.3	392	41.5	392	40.9	392	40.9	392	40.9
CURRENT BUDGET REQUEST	FY: 2005				Request to OMB								Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:	160	12.0	161	12.9	182	16.3	354	42.4	354	30.0	354	29.4	354	29.4	354	29.4
TOTAL TRUST OPERATING COST:	21	10.2	20	11.3	28	11.9	38	13.0	42	13.2	42	13.2	42	13.2	42	13.2
TOTAL ANNUAL OPERATING COST:	181	22.2	181	24.2	210	28.2	392	55.4	396	43.2	396	42.6	396	42.6	396	42.6
CHANGES (Prior Request to Current Request) FEDERAL ONLY																
TOTAL FEDERAL OPERATING COST:	-	-	+1	-	-23	-10.9	+4	+5.1	+4	+1.7	+4	+1.7	+4	+1.7	+4	+1.7
TOTAL TRUST OPERATING COST:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL ANNUAL OPERATING COST:	-	-	+1	-	-23	-10.9	+4	+5.1	+4	+1.7	+4	+1.7	+4	+1.7	+4	+1.7

Explanation of Change:

The current schedule calls for reopening the building in FY 2006, instead of FY 2005 as forecast when the FY 2003 OMB budget was prepared. Additional costs for operations of the covered courtyard and auditorium are now included in the estimates, and represent the staff and cost increases reflected beginning in FY 2006.

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):

The building's mechanical and electrical systems are more than 30 years old and break down frequently. The inefficient two-pipe heating, ventilation and air conditioning system cannot meet the current heating and cooling loads of the building. Air circulation is inefficient, humidity control is limited, and condensation is a major problem. The cooling tower leaks and the chiller plant contains chlorofluorocarbons (CFCs), which must be phased out to meet environmental laws.

The electrical distribution system is overloaded, inadequate, and unsafe. Clearances around transformers do not meet current code requirements. Switchgear, panel boards, and distribution networks are deteriorated and obsolete. Replacement parts are no longer available.

Other utility systems that are seriously deteriorated include fire protection, plumbing, steam distribution, and communication systems. Some of the fire alarm wiring is original to the building and contributes to system malfunctions. The building's elevators broke down frequently, thereby reducing public access. The building's façade has been damaged by acid rain and air pollution, the window frames are deteriorated and failing, and several interior surfaces have been severely damaged by leaks and condensation. The building's main entrances and most restrooms are not accessible to persons with disabilities and do not meet current codes and standards. Asbestos and lead paint are present throughout the building, and must be abated before repairs can be accomplished.

B. Project/Program Management (indicate key staff/organization responsible for this project):

Project Executive (if applicable):	Sheryl Kolasinski, Director, Office of Project Management, OFEO
Project Manager:	Anna Franz, Office of Project Management, OFEO
Design Manager:	Harminder Jolly & Joy Jordan, Office of Engineering, Design & Construction, OFEO
Construction Manager (Res. Engineer):	Sarah Drumming, Office of Engineering, Design & Construction, OFEO
Program Manager/Liaison & Unit	Marc Pachter, Director, NPG; Elizabeth Broun, Director, SAAM

Other Management Plans (Executive/Steering Committees, etc.)

Meeting quarterly, the POB Oversight Committee includes senior SI, SAAM, NPG, Office of Contracting (OCon), Office of General Counsel (OGC), Office of the Chief Financial Officer (OCFO), Office of Public Affairs, and OFEO management, and others as necessary. The purpose is to provide overall review of project progress and to make policy and financial decisions. Preceding the Oversight Committee meetings, monthly Executive Committee meetings are held, and include project staff as well as working level staff from the museums, OFEO, OCon, Office of Architectural History and Historic Preservation (AHHP), and others as needed, to review construction progress, resolve problems, and plan for building occupation upon completion of construction.

C. Acquisition Plan (describe proposed contracting methodology):

Bids for the main construction package, to revitalize the interior of the building, were solicited via a Request for Proposal (RFP) in Commerce Business Daily. Competition was based upon price as well as on the technical ability of offerors. The contract was awarded on a firm fixed price basis for a base construction package, with distinct packages outlined as options for subsequent phases based upon available funding to complete construction.

PART III: CURRENT STATUS (describe performance against milestones)

The Gross Demolition Project, which includes the complete removal of mechanical, electrical and plumbing systems, floor tile removal, and abatement of hazardous material was completed on November 15, 2002. The total cost was \$9.3 million.

The Exterior Stone and Window Renovation Project is approximately 84% complete. The contract cost is \$9.2 million. The contractor currently is three months behind schedule and is scheduled to complete construction by August 15, 2003.

The main construction package, to revitalize the interior of the building, was awarded on April 10, 2003, and the original Notice to Proceed (NTP) was issued on April 17, 2003. Following a May 7, 2003, stop work notice, the NTP was issued May 30, 2003. Final completion of construction is anticipated in March 2006, following a 34-month construction process. The opening of the Museum is planned for July 4, 2006. Historic Preservation processes are on-going, with SI as lead agency, NPCA a cooperating agency. SI followed the intent of the National Environmental Policy Act process and, following the August 2002 public and governmental agency review, the completed Environmental Assessment and Finding of No Significant Impact was approved on February 18, 2003.

SMITHSONIAN INSTITUTION
Capital Asset Plan (Exhibit 300) for Revitalization and Construction
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PART I. A. SUMMARY OF PROJECT INFORMATION				
Location	Chantilly, Virginia, Dulles Airport			
Program Unit Sponsor	National Air and Space Museum			
Account Title	Construction			
Account Identification Code				
Name of Project	Steven F. Udvar-Hazy Center			
Project Number	995301			
Project Partners				
This Project Is:	New Construction:	XXX	Revitalization of Existing Facility:	
Project/Useful segment is funded:	Incrementally:	XXX	Fully:	
Did the Capital Planning Board approve the project?			Date:	1996
Did the Capital Planning Board approve the current funding proposal?			Date:	May 2002
Did the Smithsonian Board of Regents approve the project?			Date:	1983
Did Congress authorize the project?			Design Construction	Date: Date: 1993 October 1996

B. PROJECT BASELINE		
Initial Baseline Date: January 2001	Date of Baseline Change: March 2001	Indicate Here if Preliminary:
<p>1. Project Scope (specific description of work effort, including square footage involved, historical significance of existing building, project phases if applicable, highlight changes from original baseline):</p> <p>Public Law 103-57, signed on 2 August 1993, authorized the Smithsonian Institution to plan and design an Air and Space Museum extension at Washington Dulles International Airport and authorized appropriations of \$8 million for this purpose. Public Law 104-222, signed on 1 October 1996, authorized the Smithsonian to construct, at no cost to the government, the National Air and Space Museum (NASM) Dulles Center at Washington Dulles International Airport. The Udbvar-Hazy Center will provide the restoration facility capable of preserving the artifacts in the collection. The facility will be located on an approximately 176.5-acre site on Dulles International Airport property near the intersection of Route 28 and Route 50 in northern Virginia. When fully completed, the Udvar-Hazy Center will include 760,000 gross square feet of space for exhibit hangars, restoration shop, collection storage, classrooms, archives, large-format theater, restaurants, museum stores. Over 180 aircraft and 100 spacecraft will be on display, including the Space Shuttle <i>Enterprise</i>, an SR-71 Blackbird reconnaissance aircraft, the Dash 80 prototype of the Boeing 707, the B-17 Swoose, an F-4 Phantom fighter, and the B-29 Superfortress <i>Enola Gay</i>. More than 80% of the collection, most of which has been in storage at the Garber Facility, will be transferred to the Hazy Center. Annual visitation is forecasted in the 3-4 million range.</p> <p>Phase I consists of an aviation hangar and a space hangar; a large-format theater, food court and retail space; a central utilities plant; classrooms; observation tower and public amenities. This portion of the project has been awarded with a project completion date of December 5, 2003. Phase I encompasses 524,000 gross square feet.</p> <p>Phase II construction will consist of the addition of the restoration hangar, an object processing/archives center, study collection storage, and support facilities. Phase II, when constructed, will add an additional 236,000 gross square feet.</p>		
2. Detail of Overall Project Schedule		Month & Year
Planning/Design Start Date:		1996
Design Completion Date:		2000
Construction Start Date:		April 2001
Construction Completion Date:		December 2003 – Phase I
Building Occupancy Date:		March 2003 – Phase I
Public Opening Date:		December 2003 – Phase I

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3. Detail of Total Project Cost Estimate		Amount in \$Millions		
CAPITAL COSTS		Phase I	Phase II	Total
Planning/Design		15.0		15.0
Revitalization/Construction (includes \$34M site development by Virginia)		182.4	33.3	215.7
Contingency		5.0	2.5	7.5
Construction Management		13.3	2.0	15.3
Allowance for Business Activities & Others		4.1		4.1
TOTAL CAPITAL COSTS:		219.8	37.8	257.6
Non-capital Costs (fundraising, relocation, one-time occupancy costs, permits/fees, exhibit installation and Davis-Bacon.		35.9	18.0	53.9
TOTAL PROJECT COST		255.7	55.8	311.5
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used) Design complete, and cost estimates are based on contract awarded, including alternates for Phase II. The Commonwealth of Virginia will provide site development worth approximately \$34 million.				

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Outyears	Total
INITIAL PROJECT BASELINE:	FY: 2003							Date: Sept 2001	
FEDERAL Capital Costs	8.0								8.0
TRUST Capital Costs	245.3								245.3
TOTAL CAPITAL COSTS	253.3								253.3
Non-Capital Costs	46.0								46.0
TOTAL PROJECT FUNDS:	299.3								299.3
PRIOR BUDGET REQUEST	FY: 2004	Request to OMB						Date: Sept 2002	
FEDERAL Capital Costs	8.0								8.0
TRUST Capital Costs	249.0								249
TOTAL CAPITAL COSTS	257.0								257
Non-Capital Costs	54.5								54.5
TOTAL PROJECT FUNDS:	311.5 *								311.5
* Baseline estimate increased to pay for Davis-Bacon wage rate, which was not included in previous baseline of \$299.5 mil. established in January 2001 Regents' Report.									
CURRENT BUDGET REQUEST	FY: 2005	Request to OMB						Date: Sept 2003	
FEDERAL Capital Costs	8.0								8.0
TRUST Capital Costs	211.8	37.8							249.6
TOTAL CAPITAL COSTS	219.8	37.8							257.6
Non-Capital Costs	35.9	18							53.9
TOTAL PROJECT FUNDS:	255.7.	55.8							311.5
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs									
TRUST Capital Costs									
TOTAL CAPITAL COSTS									
TRUST Non-Capital Costs									
TOTAL PROJECT FUNDS:									
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs): Change from initial baseline due to full costs for Davis-Bacon Act requirements. Due to the current economy and the resulting slowing of fundraising efforts, the Institution has delayed start of Phase II until FY 2004.									

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D. OPERATING COST PROJECTIONS			
ESTIMATED ANNUAL OPERATING COST	Date of First Full Year Occupancy (FY): 2005	FTE	Amount (\$M)
Programmatic Costs (Museum Federal and Trust costs)		91	8.3
Facilities Costs (Maintenance, Operations Security & Support):		6	8.3
Central SI Support Costs (Overhead):		-	-
TOTAL ANNUAL OPERATING COST:		97	16.6
Explanation of basis/methodology for cost estimates (assumptions used, notes on unit preparing estimates): Program costs based on staffing levels needed to manage new facility and costs to outsource facilities management services. Facilities costs are based on outsourcing security operations and most current utility costs.			

E. SUMMARY OF OPERATIONS FUNDING																
\$ Millions (1 decimal place)	Prior		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		Outyears	
	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$
INITIAL OPERATIONS ESTIMATE:	FY: 2003				Request to OMB								Date: Sept 2001			
TOTAL FEDERAL OPERATING COST:	72	16.0	81	16.0	81	16.2	81	16.0	81	16.4	81	16.4	81	16.4	81	16.4
TOTAL TRUST OPERATING COST:	4	.4	7	.5	7	.5	7	.5	7	.5	7	.5	7	.5	7	.5
TOTAL ANNUAL OPERATING COST:	76	16.4	88	16.5	88	16.7	88	16.5	88	16.9	88	16.9	88	16.9	88	16.9
PRIOR BUDGET REQUEST	FY: 2004				Request to OMB								Date: Sept 2002			
TOTAL FEDERAL OPERATING COST:	71	12.3	79	19.7	83	15.9	86	16.5	89	16.7	91	17.9	91	16.3	91	16.3
TOTAL TRUST OPERATING COST:	4	.4	7	.5	7	.5	7	.5	7	.5	7	.5	9	.6	9	.6
TOTAL ANNUAL OPERATING COST:	75	12.7	86	20.2	90	16.4	93	17.0	96	17.2	98	18.4	100	16.9	100	16.9
CURRENT BUDGET REQUEST	FY: 2005				Request to OMB								Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:	72	12.9	80	17.7	90	16.2	91	17.7	91	17.9	91	18.0	91	18.4	91	18.4
TOTAL TRUST OPERATING COST:	4	.4	7	.5	7	.5	7	.5	7	.5	7	.5	7	.5	7	.5
TOTAL ANNUAL OPERATING COST:	76	13.3	87	18.2	97	16.7	98	18.2	98	18.4	98	18.5	98	18.9	98	18.9
CHANGES (Prior Request to Current Request)																
TOTAL FEDERAL OPERATING COST:	+1	+6	+1	-2.0	+7	+3	+5	+1.2	+2	+1.2	-	+1	-	+2.0	-	+2.0
TOTAL TRUST OPERATING COST:	-	-	-	-	-	-	-	-	-	-	-	-	-2	-1	-2	-1
TOTAL ANNUAL OPERATING COST:	+1	+6	+1	-2.0	+7	+3	+5	+1.2	+2	+1.2	-	+1	-2	+1.9	-2	+1.9

Explanation of Change:

Additional staffing and associated costs are planned for FY 2005 and FY 2006 and an increase of maintenance costs are projected for FY 2009.

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):

The National Air and Space Museum shall commemorate the national development of aviation and space flight and will educate and inspire the nation by:

- Preserving and displaying aeronautical and space flight equipment and data of historical interest and significance to progress of aviation and space flight.
- Developing educational materials and conducting programs to increase the public's understanding of, and involvement in, the development of aviation and space flight.
- Conducting and disseminating new research in the study of aviation and space flight and their related technologies.

The public opening in December 2003 will celebrate the centennial anniversary of the Wright brothers' famous flight at Kitty Hawk. To achieve the Institution's goal of Public Impact, NASM is focusing its new resources on installing the first exhibits, preliminary educational programs and visitor support services for the new Steven F. Udvar-Hazy Center. The Center will house the Museum's collections and restoration facilities, enabling the Museum to exhibit over 2,600 artifacts, including its largest aircraft and spacecraft. Resources will also be dedicated to providing building management and security for the new facility, to meet the goal of Management Excellence. To meet this challenge NASM is outsourcing these functions, a first on this scale within the Smithsonian Institution.

B. Project/Program Management (indicate key staff/organization responsible for this project):

Project Executive (if applicable):	Sheryl Kolasinski, Director, Office of Project Management, OFEO (Acting)
Project Manager:	Donald W. Dormstetter, Office of Project Management, OFEO
Design Manager:	Melinda Humphry-Becker, Office of Engineering, Design and Construction, OFEO
Construction Manager (Res. Engineer):	Vince Cogliano, Office of Engineering, Design and Construction, OFEO
Project Coordinator (NASM)	Lin Ezell, NASM

Other Management Plans (Executive/Steering Committees, etc.)

Oversight Committee includes senior SI, NASM, OFEO and Office of Contracting (OCon) staff. It meets as needed to provide overall review of project progress and make financial and policy decisions.

Executive Construction Project Committee includes project staff as well as working level staff from the Museum, OFEO, OCon, and others as needed. It meets monthly to review construction progress, resolve problems, and plan for building occupation and operation upon completion of construction.

C. Acquisition Plan (describe proposed contracting methodology):

Bids were solicited via a request for proposal in Commerce Business Daily. Competition was based on price as well as technical ability of offerers. The contract was awarded on a firm fixed price basis for a base construction package with alternates for subsequent phases to complete construction.

PART III: CURRENT STATUS (describe performance against milestones)

The project construction is over 86% complete. The Main Hangar is complete and only punch list items remain. The Central Utility Plant is complete with chillers, boilers, switch-gear and fire suppression equipment in place. Piping and wiring for these systems are also complete. Equipment testing has begun. The exterior panels on the theater are complete, glass and Kal-wall are installed on the fuselage. Exterior tile installation is also complete. Parking lot and site access roads are progressing on schedule and the Route 28 interchange construction is scheduled to be complete by October 2003.

NASM has met all construction milestones and is progressing toward beneficial occupancy in the winter of 2003. Over 70 artifacts have arrived and are being installed. The exhibit kiosk, railing and barriers contract was issued in August 2002. The facilities' management outsourcing contract has been signed and staff are on site daily. The security outsourcing contract has been awarded.

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PART I. A. SUMMARY OF PROJECT INFORMATION			
Location	Washington, DC, the National Mall		
Program Unit Sponsor	National Museum of the American Indian		
Account Title	Construction		
Account Identification Code	XXXXXX		
Name of Project	NMAI, Mall Museum		
Project Number	922307		
Project Partners			
This Project Is:	New Construction:	XXX	Revitalization of Existing Facility:
Project/Useful segment is funded:	Incrementally:	XXX	Fully:
Did the Capital Planning Board approve the project?		Date:	1989
Did the Capital Planning Board approve the current funding proposal?		Date:	Jan 2002
Did the Smithsonian Board of Regents approve the project?		Date:	1989
Did Congress authorize the project?		Date:	Nov 1989

B. PROJECT BASELINE		
Initial Baseline Date: January 2001	Date of Baseline Change: April 2001	Indicate Here if Preliminary:
<p>1. Project Scope (specific description of work effort, including square footage involved, historical significance of existing building, project phases if applicable, highlight changes from original baseline):</p> <p>The National Museum of the American Indian Mall Museum is approximately 32,633 gross square meters (351,263 gsf) in size. The building consists of five stories above grade, with two mechanical mezzanine levels, and a basement. It houses a five-story, domed atrium, several large exhibit galleries, a 300-seat theater, a native-foods café, museum shops, and office and support areas. The 1.75 hectare (4.3-acre) site contains several outdoor gathering and performance areas, water features, and a native habitat landscape.</p> <p>The curvilinear design was inspired by natural rock strata formations, eroded by wind and water. The building stone is Kasota, a buff-colored, dolomite limestone quarried in Minnesota, which is complemented by warm gray American Mist granite paving. The stone continues from the exterior to the interior to reinforce the Native American design principle of connection to the landscape and natural world. Other natural building materials, including wood and metal, are dominant throughout the interior.</p> <p>In order to accommodate the phased availability of funds, the construction contract is broken down into the following discrete packages:</p> <p><u>Base Bid</u>: concrete foundation, floor slabs, columns, and roof slab</p> <p><u>Option A</u>: watertight perimeter enclosure (exterior walls, glazing, roof) and installation of most interior mechanical systems</p> <p><u>Option B</u>: fit-out of the basement, ground and second floors and exterior site work and landscaping</p> <p><u>Option C</u>: completion of the building by finishing all work on floors three, four and five</p>		
2. Detail of Overall Project Schedule		Month & Year
Planning/Design Start Date:		November 1991
Design Completion Date:		September 2000
Construction Start Date:		September 1999
Construction Completion Date:		July 2004
Building Occupancy Date:		phased: Jan 2004, Apr 2004, July 2004
Public Opening Date (if applicable):		September 2004

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3. Detail of Total Project Cost Estimate		Amount in \$Millions
CAPITAL COSTS		
Planning/Design		23.3
Revitalization/Construction		147.7
Contingency	Percentage: 8% of 147.7M	11.8
Construction Management	Percentage: 10% of 147.7M	14.9
Building Commissioning	Percentage: 1% of 158M	1.6
TOTAL CAPITAL COSTS:		199.3
Non-capital Costs (fundraising, relocation, one-time occupancy costs, exhibits installation)		20.0
TOTAL PROJECT COST		219.3
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used)		
Design complete, bids for all phases received.		

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Outyears	Total
INITIAL PROJECT BASELINE:	FY: 2002	Request to Congress						Date: March 2001	
FEDERAL Capital Costs	113.3								113.3
TRUST Capital Costs	72.4								72.4
TOTAL CAPITAL COSTS	185.7								185.7
Non-Capital Costs		20.0							20.0
TOTAL PROJECT FUNDS:	185.7	20.0							205.7
PRIOR BUDGET REQUEST	FY: 2004	Request to OMB						Date: Sept 2002	
FEDERAL Capital Costs	113.3								113.3
TRUST Capital Costs	86.0								86.0
TOTAL CAPITAL COSTS	199.3								199.3
Non-Capital Costs		20.0							20.0
TOTAL PROJECT FUNDS:	199.3	20.0							219.3
CURRENT BUDGET REQUEST	FY: 2005	Request to OMB						Date: Sept 2003	
FEDERAL Capital Costs	119.2								119.2
TRUST Capital Costs	80.1								80.1
TOTAL CAPITAL COSTS	199.3								199.3
Non-Capital Costs		20.0							20.0
TOTAL PROJECT FUNDS:	199.3	20.0							219.3
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs	+5.9	0	0	0	0	0	0	0	+5.9
TRUST Capital Costs	-5.9	0	0	0	0	0	0	0	-5.9
TOTAL CAPITAL COSTS	0	0	0	0	0	0	0	0	0
Non-Capital Costs	0	0	0	0	0	0	0	0	0
TOTAL PROJECT FUNDS:	0	0	0	0	0	0	0	0	0
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs):									
The change from initial baseline reflects actual bids received. The change in the current budget reflects an additional \$5.9 million provided by Congress in FY 2003.									

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D. OPERATING COST PROJECTIONS			
ESTIMATED ANNUAL OPERATING COST	Date of First Full Year Occupancy (FY): 2005	FTE	Amount (\$M)
FY 2006 : Programmatic Costs (Museum Federal and Trust costs)		186	21.0
Facilities Costs (Maintenance, Operations Security & Support, incl. Facilities Management):		110	7.2
Central SI Support Costs (Overhead):		0	0
TOTAL ANNUAL OPERATING COST:		296	28.2
Explanation of basis/methodology for cost estimates (assumptions used, notes on unit preparing estimates):			
Programmatic cost estimates prepared by NMAI staff; Facilities & SI Support cost estimates prepared by OFEO, based on design drawings of building. Central SI Support costs do not include staff hired before initial operations estimates shown.			

E. SUMMARY OF OPERATIONS FUNDING															
\$ Millions (1 decimal place)	Prior		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		Outyears
	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE
INITIAL OPERATIONS ESTIMATE:	FY: 2002				Request to OMB								Date: Nov 2000		
TOTAL FEDERAL OPERATING COST:	222	24.6	254	20.1	254	18.2	254	18.2	254	18.2	254	18.2	254	18.2	254
TOTAL TRUST OPERATING COST:	Trust data were not collected.														
TOTAL ANNUAL OPERATING COST:	222	24.6	254	20.1	254	18.2	254	18.2	254	18.2	254	18.2	254	18.2	254
PRIOR BUDGET REQUEST	FY: 2004				Request to OMB								Date: Sept 2002		
TOTAL FEDERAL OPERATING COST:	101	17.8	199	27.6	252	21.8	251	21.7	251	21.7	251	21.7	251	21.7	251
TOTAL TRUST OPERATING COST:	4	3.3	4	3.4	4	3.1	4	3.1	4	3.1	4	3.1	4	3.1	4
TOTAL ANNUAL OPERATING COST:	105	21.1	203	31.0	256	24.9	255	24.8	255	24.8	255	24.8	255	24.8	255
CURRENT BUDGET REQUEST	FY: 2005				Request to OMB								Date: Sept 2003		
TOTAL FEDERAL OPERATING COST:	101	17.8	199	25.8	292	25.7	292	25.1	292	25.1	292	25.1	292	25.1	292
TOTAL TRUST OPERATING COST:	4	3.3	4	3.4	4	3.1	4	3.1	4	3.1	4	3.1	4	3.1	4
TOTAL ANNUAL OPERATING COST:	105	21.1	203	29.2	296	28.8	296	28.2	296	28.2	296	28.2	296	28.2	296
CHANGES (Prior Request to Current Request)															
TOTAL FEDERAL OPERATING COST:	-	-	-	-1.8	+40	+3.9	+41	+3.4	+41	+3.4	+41	+3.4	+41	+3.4	+41
TOTAL TRUST OPERATING COST:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL ANNUAL OPERATING COST:	-	-	-	-1.8	+40	+3.9	+41	+3.4	+41	+3.4	+41	+3.4	+41	+3.4	+41
Explanation of Change:															
In FY 2005, the Museum will redirect staff positions from the move function to the Museum's base and will obtain new positions. In Facilities, additional security, operations and maintenance staff will be phased during FY 2004. The FY 2005 request will annualize these positions and complete requirements for full operation of the building. The increases in outyear requirements reflect additional needs identified by the Museum for full functioning of the Museum.															

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):
 Public Law 101-185 established the National Museum of the American Indian (NMAI) in 1989 as a museum within the Smithsonian Institution. The legislation provided for the transfer from New York City of the extensive and extraordinary collection of the Heye Foundation's Museum of the American Indian. It also authorized the construction of three facilities which would together form the NMAI: an exhibition facility at the Alexander Hamilton US Custom House in New York City (the NMAI George Gustav Heye Center); a public exhibition facility on the National Mall in Washington, DC; and a storage and resource facility (the NMAI Cultural Resources Center) at the Smithsonian's Suitland Collections Center in Maryland. As the NMAI's third and final facility, this building will be a centerpiece for public programs—that is, the primary venue for exhibitions, performance, conferences, and other programs serving the general public. The planning and design of the NMAI facilities were and continue to be conceived of and executed with the direct involvement of Native Americans representing a wide cross section of Native peoples of the Western Hemisphere.

B. Project/Program Management (indicate key staff/organization responsible for this project):

Project Executive (if applicable):	Debra Nauta-Rodriguez, Office of Project Management, OFEO
Project Manager:	Debra Nauta-Rodriguez, Office of Project Management, OFEO
Design Managers:	Shelley Harlan, Nelson Kim, Office of Engineering, Design and Construction, OFEO
Construction Manager (Res. Engineer):	Paul Brown, Office of Engineering, Design and Construction, OFEO
Program Manager/Liaison & Unit	Richard West, Director, NMAI

Other Management Plans (Executive/Steering Committees, etc.)
 Oversight Committee includes senior SI, NMAI, OFEO, and Office of Contracting (OCon) management. It meets as needed to provide overall review of project progress and make financial and policy decisions.
 Executive Construction Project Committee includes project staff as well as working level staff from the Museum, OFEO, OCon, and others as needed. It meets monthly to review construction progress, resolve problems, and plan for building occupation and operation upon completion of construction.

C. Acquisition Plan (describe proposed contracting methodology):

Bids were solicited via a request for proposal in Commerce Business Daily. Competition was based on price as well as technical ability of offerers. The contract was awarded on a firm fixed price basis for a base construction package with three options for subsequent phases to complete construction.

PART III: CURRENT STATUS (describe performance against milestones)

Excavation, sheeting, shoring, and dewatering were completed under the Site Preparation Contract in January 2001. The building package was divided into a base bid with several options, devised to follow a critical path construction schedule and anticipated funding stream. The base bid is a foundations and structure package; Option A is the core and shell; Options B and Option C comprise the interior fit-out, furnishings and equipment, and the completion of the landscaping and site work. A construction contract was awarded to Clark/TMR, A Joint Venture, on June 20, 2001. The base bid and the stone portions of Options A & B were exercised in the initial contract phase, and the balance of Options A and B were awarded in February 2002. Option C was split and awarded in November 2002 and April 2003 to complete build-out of the interiors. The construction contract is now fully funded and fundraising for construction is complete. Construction is essentially on schedule with completion projected for July 2004. Beneficial Occupancy is phased to allow exhibit installation to proceed ahead of final construction completion. The National Museum of the American Indian will open in the fall of 2004.

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PART I. A. SUMMARY OF PROJECT INFORMATION				
Location	Washington, DC			
Program Unit Sponsor	National Zoological Park			
Account Title	Facilities Capital, Revitalization			
Account Identification Code				
Name of Project	NZP, Asia Trail I (formerly Renovate Deer & Tapir Area)			
Project Number	00003-02			
Project Partners				
This Project Is:	New Construction:		Revitalization of Existing Facility:	XXX
Project/Useful segment is funded:	Incrementally:	XXX	Fully:	
Did the Capital Planning Board approve the project?			Date:	June 2001
Did the Capital Planning Board approve the current funding proposal?			Date:	April 2003
Did the Smithsonian Board of Regents approve the project?			Date:	Sept. 2001
Did Congress authorize the project? (If not required, indicate NA)			Date:	NA

B. PROJECT BASELINE		
Initial Baseline Date:	Date of Baseline Change:	Indicate Here if Preliminary: XXXX
<p>1. Project Scope (specific description of work effort, including square footage involved, historical significance of existing building, project phases if applicable, highlight changes from original baseline):</p> <p>The National Zoo's Renewal Plan reorganizes and rebuilds the Zoo, grouping animals by their natural geographic locations. As its first major component, the mission of Asia Trail is to create a compelling, Asian themed path from the new Sloth Bear exhibit at the main entrance, to the renovated and expanded Panda House. In accomplishing this mission, the Asia Trail project Phase I will:</p> <ul style="list-style-type: none"> • Feature many of the Zoo's most charismatic "stars" in a cohesive immersion experience: sloth bears, clouded leopards, fishing cats, red pandas, Japanese giant salamanders, and giant pandas. • Develop the Zoo's master planning objectives of providing ADA access, modernizing infrastructure, and opening up areas of the Zoo now closed to the public. • Include state-of-the-art interpretive displays to connect the visitor's on-site experience with current research and conservation efforts at Front Royal and in the field to reinforce the importance of ecology and habitat conservation. <p>The project will replace currently deteriorated animal facilities as well as replace severely inadequate site utilities. The work includes new water service to permit installation of fire suppression systems and meet the needs of the animals, new high-voltage electric service to increase capacity and replace the existing single phase service, improved sewer and storm water management, new gas service, new security systems, new perimeter fencing and railings, a new fiber-optic communications backbone, and installation of new public walkways that meet ADA guidelines. Existing holding buildings will be replaced with new structures to meet current USDA and AZA animal containment regulations. Holding buildings are designed for energy efficiency and fire suppression systems will reduce the hazard to the animal collection.</p> <p>Once Asia Trail I is complete, Asia Trail II will provide a renovated and expanded adjacent facility for a herd of up to eight adult elephants with adequate year round housing, new elephant yards, amphitheatre, safe containment, re-graded and landscaped edges.</p>		
2. Detail of Overall Project Schedule		Month & Year
Planning/Design Start Date:		October 2002
Design Completion Date:		October 2003
Construction Start Date:		Fall 2003
Construction Completion Date:		Spring 2005
Building Occupancy Date:		Spring 2005
Public Opening Date (if applicable):		Spring 2005

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3. Detail of Total Project Cost Estimate		Amount in \$Millions
CAPITAL COSTS		
Planning/Design		4.7
Revitalization/Construction		26.8
Contingency	Percentage: 10.0% of 26	2.5
Construction Management	Percentage: 6.0% of 26	1.5
Building Commissioning	Percentage: 1% of 26	.3
TOTAL CAPITAL COSTS:		
Non-capital Costs (fundraising, relocation, one-time occupancy costs, exhibits installation)		3.1
TOTAL PROJECT COST		38.9
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used)		
Estimated based on experience from recent Zoo projects. The estimate for design is 22.5%, based on the high cost of landscape architecture services, which will be required for a large portion of the project.		

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Outyears	Total
INITIAL PROJECT BASELINE: PRE	FY: 2005	Request to OMB						Date: Sept 2003	
FEDERAL Capital Costs	8.2	9	15.0						32.2
TRUST Capital Costs	.2	3.4							3.6
TOTAL CAPITAL COSTS	8.4	12.4	15.0						35.8
Non-Capital Costs		3.1							3.1
TOTAL PROJECT FUNDS:	8.4	15.5	15.0						38.9
PRIOR BUDGET REQUEST	FY:	Request to OMB						Date:	
FEDERAL Capital Costs									
TRUST Capital Costs									
TOTAL CAPITAL COSTS									
Non-Capital Costs									
TOTAL PROJECT FUNDS:									
CURRENT BUDGET REQUEST	FY: 2005	Request to OMB						Date: Sept 2003	
FEDERAL Capital Costs	8.2	9.0	15.0						32.2
TRUST Capital Costs	.2	3.4							3.6
TOTAL CAPITAL COSTS	8.4	12.4	15.0						35.8
Non-Capital Costs		3.1							3.1
TOTAL PROJECT FUNDS:	8.4	15.5	15.0						38.9
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs									
TRUST Capital Costs									
TOTAL CAPITAL COSTS									
TRUST Non-Capital Costs									
TOTAL PROJECT FUNDS:									
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs):									

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D. OPERATING COST PROJECTIONS			
ESTIMATED ANNUAL OPERATING COST	Date of First Full Year Occupancy (FY): 06	FTE	Amount (\$M)
Programmatic Costs (Federal and Trust)			
Facilities Costs (Operations & Maintenance, Security, Safety):			
Central SI Support Costs (Overhead):			
TOTAL ANNUAL OPERATING COST:			TBD
Explanation of basis/methodology for cost estimates (assumptions used, notes on unit preparing estimates):			
No additional resources for facilities operations and maintenance are projected at this time, but estimates will be reevaluated based on final design.			

E. SUMMARY OF OPERATIONS FUNDING																
\$ Millions (1 decimal place)	Prior		FY 03		FY 04		FY 05		FY 06		FY 07		FY 08		Outyears	
	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$
INITIAL OPERATIONS ESTIMATE:	FY: 2005				Request to OMB								Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
PRIOR BUDGET REQUEST																
	FY:				Request to OMB								Date:			
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
CURRENT BUDGET REQUEST																
	FY: 2005				Request to OMB								Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
CHANGES (Prior Request to Current Request)																
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
Explanation of Change:																

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):

The Zoo is more than 110 years old and its age and popularity have taken a visible toll. The Zoo's physical environment is deteriorating. Many of our largest creatures—lions, tigers, bears, elephants, giraffes, hippos, rhinos—are housed in our oldest areas. Yet families come to the Zoo primarily to see these species, often called "charismatic mega-vertebrates." The current sloth bear exhibit, for example, was built in the late 1890s and is slated to be replaced in Asia Trail I. The Elephant House, to be renovated and expanded in Asia Trail II, was originally constructed in the 1930s. In addition, Asia Trail will address significant failing areas of the Zoo by developing the Zoo's master planning and renewal objectives of providing complete ADA access, enhanced visitor experiences and the replacement of obsolete and inadequate infrastructure systems with code-compliant mechanical, electrical, plumbing and drainage systems.

B. Project/Program Management (indicate key staff/organization responsible for this project):

Project Executive (if applicable):	Thomas Myers, Acting, Office of Project Management OFEO
Project Manager:	Steven Groh, Office of Project Management OFEO
Design Manager:	Eric Mucklow, Office of Engineering & Construction, OFEO
Construction Manager (Res. Engineer):	Marc Muller, Office of Engineering & Construction, OFEO
Program Manager/Liaison & Unit	Lynn Dolnick, Assoc. Dir., Exhibits and Outreach, NZP; Bill Xanten, General Curator, NZP
Other Management Plans (Executive/Steering Committees, etc.)	

Project committee includes NZP senior staff from Animal Programs, Facilities Management and Construction, Exhibits and Outreach, Friends of the National Zoo, and Office of the Director.

C. Acquisition Plan (describe proposed contracting methodology):

Design will be negotiated with A/E firm already pre-qualified by Smithsonian Institution task order process. Construction will be a firm fixed price contract with selection panel.

PART III: CURRENT STATUS (describe performance against milestones)

Construction Documents are 95% complete. Discussions are ongoing with Office of Contracting to determine best method to provide the complex and unique requirements to complete design and construction.

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PART I. A. SUMMARY OF PROJECT INFORMATION				
Location	Washington, DC			
Program Unit Sponsor	National Zoological Park			
Account Title	Facilities Capital, Revitalization			
Account Identification Code				
Name of Project	NZP, Asia Trail II: Elephants (formerly Phases II & III, Elephant Yards and Holding)			
Project Number	02003-01			
Project Partners	Friends of the National Zoo			
This Project Is:	New Construction:	XXX	Revitalization of Existing Facility:	XXX
Project/Useful segment is funded:	Incrementally:	XXX	Fully:	
Did the Capital Planning Board approve the project?			Date:	June 2001
Did the Capital Planning Board approve the current funding proposal?			Date:	April 2003
Did the Smithsonian Board of Regents approve the project?			Date:	Sept. 2001
Did Congress authorize the project? (If not required, indicate NA)			Date:	NA

B. PROJECT BASELINE		
Initial Baseline Date:	Date of Baseline Change:	Indicate Here if Preliminary: XXXX
<p>1. Project Scope (specific description of work effort, including square footage involved, historical significance of existing building, project phases if applicable, highlight changes from original baseline):</p> <p>The National Zoo's Renewal Plan reorganizes and rebuilds the Zoo, grouping animals by their natural geographic locations. As its first major component, the mission of Asia Trail is to create a compelling, Asian themed path from the new Sloth Bear exhibit at the main entrance, to the renovated and expanded Panda House and to a new world-class Elephant House engaging a series of Asian animals by the end of 2007.</p> <p>In accomplishing this mission, the Asia Trail II project will provide a new facility for the long-range commitment to house, breed, and continue important research on a multi-generational herd of up to eight adult Asian elephants. The proposed new facilities, encompassing approximately seven adjacent acres, will provide adequate year round housing, new exhibit yards, safe primary containment, and heavily landscaped perimeters. An innovative elephant trek feature is designed to exercise the animals as well as offer sensory stimulus outside their daily routine. Large pools and multiple enrichment devices in the animal's enclosures will allow the elephants to exhibit behavior traits currently restricted by space limitations. For example, an adult elephant will be able to completely submerge in the largest pool. Accessible areas surrounding the elephant enclosures will let the public observe the elephants and keeper demonstrations with new and exciting interpretive programs.</p> <p>The Zoo's goal is to create a multi-generational herd that will allow studying a population closer in structure to what is found in nature. The Zoo predicts that this will produce more accurate data while promoting the health and welfare of individuals held in captivity. The National Zoo will be one of only a few institutions committed to (or capable of) achieving this goal within the next 20 years. A multi-generational herd will encourage more normal behaviors and interactions among the elephants, and this will be documented with careful scientifically based research on behavior and hormonal analyses.</p> <p>This project will construct two new exhibit yards for elephants and add to and renovate the existing Elephant House with increased interior holding space for cows, calves, and bulls. The project will be constructed in phases to accommodate the existing elephant herd at the National Zoological Park.</p>		
2. Detail of Overall Project Schedule		Month & Year
Planning/Design Start Date:		March 2003
Design Completion Date:		December 2004
Construction Start Date:		September 2005
Construction Completion Date:		July 2007
Building Occupancy Date:		September 2007
Public Opening Date (if applicable):		September 2007

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3. Detail of Total Project Cost Estimate		Amount in \$Millions
CAPITAL COSTS		
Planning/Design		6.5
Revitalization/Construction		54.0
Contingency	Percentage: 10% of 54.0	5.3
Construction Management	Percentage: 6% of 54.0	3.2
Building Commissioning	Percentage: 1% of 54.0	.5
TOTAL CAPITAL COSTS:		69.5
Non-capital Costs (fundraising, relocation, one-time occupancy costs, exhibits installation)		
TOTAL PROJECT COST		69.5
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used)		
Contingency estimate based on experience from recent Zoo projects. The estimate for design is 12.5%, based on the high cost of landscape architecture services, which will be required for a large portion of the project. Construction estimate based on programmatic square foot requirements applied to square foot costs of similar recent Zoo construction.		

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 08	Outyears	Total
INITIAL PROJECT BASELINE: PRE	FY: 2003	Request to OMB						Date: Sept 2001	
FEDERAL Capital Costs	1.5	2.0	20.0	38.5					62.0
TRUST Capital Costs									
TOTAL CAPITAL COSTS	1.5	2.0	20.0	38.5					62.0
Non-Capital Costs									
TOTAL PROJECT FUNDS:	1.5	2.0	20.0	38.5					62.0
PRIOR BUDGET REQUEST	FY: 2004	Request to OMB						Date: Sept 2002	
FEDERAL Capital Costs	2.5	9.0	32.0	30.0					73.5
TRUST Capital Costs									
TOTAL CAPITAL COSTS	2.5	9.0	32.0	30.0					73.5
Non-Capital Costs		.5	8.0						8.5
TOTAL PROJECT FUNDS:	2.5	9.5	40.0	30.0					82.0
CURRENT BUDGET REQUEST	FY: 2005	Request to OMB						Date: Sept 2003	
FEDERAL Capital Costs	4.0		34.0	29.0					67.0
TRUST Capital Costs		2.5							2.5
TOTAL CAPITAL COSTS	4.0	2.5	34.0	29.0					69.5
Non-Capital Costs									
TOTAL PROJECT FUNDS:	4.0	2.5	34.0	29.0					69.5
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs	+1.5	-9.0	+2.0	-1.0					-6.5
TRUST Capital Costs		+2.5							+2.5
TOTAL CAPITAL COSTS	+1.5	-6.5	+2.0	-1.0					-4.0
TRUST Non-Capital Costs		-.5	-8.0						-8.5
TOTAL PROJECT FUNDS:	+1.5	-7.0	-6.0	-1.0					-12.5
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs):									
The NZP has revised the estimated cost based on new plans for the project, and deferred construction until after initiation of Asia Trail I. Funds originally requested for FY 2004 will be used for Asia Trail I construction.									

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D. OPERATING COST PROJECTIONS			
ESTIMATED ANNUAL OPERATING COST	Date of First Full Year Occupancy (FY): 2008	FTE	Amount (\$M)
Programmatic Costs (Federal and Trust)		8	.6
Facilities Costs (Operations & Maintenance, Security, Safety):		2	.2
Central SI Support Costs (Overhead):		0	0
TOTAL ANNUAL OPERATING COST:		10	.8
Explanation of basis/methodology for cost estimates (assumptions used, notes on unit preparing estimates):			
This is a very preliminary estimate based on current costs for similar space at the Zoo.			

E. SUMMARY OF OPERATIONS FUNDING																
\$ Millions (1 decimal place)	Prior		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		Outyears	
	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$
INITIAL OPERATIONS ESTIMATE:	FY: 2004				Request to OMB								Date: Sept 2002			
TOTAL FEDERAL OPERATING COST:									9	.7	10	.8	10	.8	10	.8
TOTAL TRUST OPERATING COST:									0	0	0	0	0	0	0	0
TOTAL ANNUAL OPERATING COST:									9	.7	10	.8	10	.8	10	.8
PRIOR BUDGET REQUEST	FY: 2004				Request OMB								Date: Sept 2002			
TOTAL FEDERAL OPERATING COST:									9	.7	10	.8	10	.8	10	.8
TOTAL TRUST OPERATING COST:									0	0	0	0	0	0	0	0
TOTAL ANNUAL OPERATING COST:									9	.7	10	.8	10	.8	10	.8
CURRENT BUDGET REQUEST	FY: 2005				Request OMB								Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:									9	.7	10	.8	10	.8	10	.8
TOTAL TRUST OPERATING COST:									0	0	0	0	0	0	0	0
TOTAL ANNUAL OPERATING COST:									9	.7	10	.8	10	.8	10	.8
CHANGES (Prior Request to Current Request)																0
TOTAL FEDERAL OPERATING COST:																0
TOTAL TRUST OPERATING COST:																0
TOTAL ANNUAL OPERATING COST:																0
Explanation of Change:																
This is the initial, and very preliminary, estimate of operating costs. Additional requirements may be identified once design of the project is complete.																

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):

The Zoo is more than 110 years old and its age and popularity have taken a visible toll. The Zoo's physical environment is deteriorating. Many of the largest creatures—lions, tigers, bears, elephants, giraffes, hippopotamus, and rhinoceros—are housed in the oldest areas. Yet families come to the Zoo primarily to see these species, sometimes called "charismatic mega-vertebrates." The sloth bear exhibit was built in the late 1890s, for example, and the Elephant House in the 1930s.

With the birth of the male elephant in November 2001, NZP is moving towards its goal of housing and exhibiting elephants as recommended by current zoological standards. With the introduction of a male elephant into the collection, housing requirements have changed dramatically. More space, stronger housing and the ability to separate the keeper and the elephant at all times is now required. The current building and yards do not meet any of these requirements. Additionally, the building's mechanical and electrical systems are more than 50 years old and break down frequently. It is not possible to maintain acceptable water quality due the limitations of the pools and plumbing systems. The roof and skylights leak causing deterioration and in turn unsafe conditions for the public, staff and the animals.

The National Zoo has an opportunity to become a leader in elephant management and reproductive studies, both *in situ* and *ex situ*, but that requires a large space to have the animal numbers needed to create a multi-generational herd. Space is a major health and welfare issue for elephants. As ethical concerns are raised about how elephants are maintained in captivity, NZP must lead by example, providing a top-notch facility that shows how much it cares about elephants—enough to build a facility to ensure their well being. Lack of exercise is believed to be a health issue and a cause for the high stillbirth and dystocia ('difficult birthing') rates seen in *ex situ* elephant populations worldwide. Elephants in zoos also are prone to developing arthritis and have foot problems that are due, in large part, to a lack of space for proper exercise. The planned new elephant facility will provide space to ensure that the elephants get adequate exercise.

B. Project/Program Management (indicate key staff/organization responsible for this project):

Project Executive (if applicable):	Tom Myers, Acting, Office of Project Management, OFEO
Project Manager:	Steven Groh, Office of Project Management, OFEO
Design Manager:	Richard Hider, Office of Engineering & Construction, OFEO
Construction Manager (Res. Engineer):	Marc Muller, Office of Engineering & Construction, OFEO
Program Manager/Liaison & Unit	Lynn Dolnick, Assoc. Dir., Exhibits and Outreach, NZP; Bill Xanten, General Curator, NZP

Other Management Plans (Executive/Steering Committees, etc.)

Project team includes NZP senior staff from Animal Programs; Office of Facilities, Engineering, and Operations; Exhibits and Outreach; Friends of the National Zoo; Conservation Biology; and the Office of the Director.

C. Acquisition Plan (describe proposed contracting methodology):

CD design will be negotiated with A/E firm already pre-qualified by Smithsonian Institution task order process. Construction will be a firm fixed price contract with selection panel.

PART III: CURRENT STATUS (describe performance against milestones)

Conceptual design approximately 10% complete. Negotiating design fee with A/E to complete design documents. Preparing scope for separate Environmental Assessment to be conducted concurrently.

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PART I. A. SUMMARY OF PROJECT INFORMATION				
Location	National Mall, Washington, D.C.			
Program Unit Sponsor	National Museum of American History, Behring Center			
Account Title	Facilities Capital, Revitalization			
Account Identification Code				
Name of Project	Revitalize NMAH-BC Public Space			
Project Number	0103101			
Project Partners	Behring Foundation			
This Project Is:	New Construction:		Revitalization of Existing Facility:	XX
Project/Useful segment is funded:	Incrementally: XX		Fully:	
Did the Capital Planning Board approve the project?		Date:	May 2002	
Did the Capital Planning Board approve the current funding proposal?		Date:	April 2003	
Did the Smithsonian Board of Regents approve the project?		Date:	Sept 2001	
Did Congress authorize the project? (If not required, indicate NA)		Date:	NA	

B. PROJECT BASELINE		
Initial Baseline Date: August 2002	Date of Baseline Change:	Indicate Here if Preliminary: XXXX
<p>1. Project Scope: The Public Space Renewal Project provides a boost in modernizing the National Museum of American History, Behring Center (NMAH) which is eligible for the National Register of Historic Places due to its location on the National Mall. All three main exhibit public floors of the Museum, comprising approximately 30,500 gross square meters (330,000 gsf), are part of this major renewal which redefines visitors experience and modernizes and clarifies circulation and amenities. The two main goals of this project are to enhance the visitors' experience as well as to bring the NMAH to higher building code standards. The scope of work includes upgrade to public restrooms, fire detection and alarm system, life safety egress, fire protection, elevators, escalators, mechanical improvements, new power distribution, exterior hardscape, landscape and physical security of the Museum. In addition to the Public Space Renewal Project the modernization includes four major exhibits endorsed by the Blue Ribbon Commission. Two exhibits, <i>Price of Freedom</i> and <i>Introductory Exhibit</i>, are funded by the Behring Foundation. The other exhibits, <i>America on the Move</i>, <i>Star-Spangled Banner / For Which it Stands</i>, are funded from several sources. The Public Space Renewal Project must be accomplished in coordination with the Museum exhibit renewal program. The project will also be coordinated with the Anti-Terrorism Protection program to reduce the building's vulnerability to attack.</p> <p>Due to incremental funding from both Federal and Trust sources and the desire to keep the Museum open during construction, the project has been phased over a number of years in packages as follows:</p> <ul style="list-style-type: none"> a.) East Wing of the Building – includes replacing escalators; upgrading fire detection/alarm system and connecting it to the Network Command Center; renewal of the second and third floor public restrooms; providing new rescue assistance areas, and correcting life safety / fire protection deficiencies in support of the <i>Price of Freedom</i> exhibit. The <i>Price of Freedom</i> exhibit is scheduled for opening in November 2004. b.) Central Core and West Wing of the Building – includes improving the Flag Hall; renovating the first floor Presidential Reception Suite; upgrading fire detection / alarm system; improving museum lighting and sound on the three main public floors; correcting life safety / fire protection deficiencies; renewal of the public restrooms; providing a new power distribution system; correcting the mechanical system; replacing elevators and escalators; and providing vertical transport between the first and second floor. Also, constructing the South entrance pavilion. c.) Building Perimeter – Includes landscape / hardscape renewal; a new irrigation system; fountains; tour and school bus drop-off; constructing the North entrance pavilion and the security perimeter barrier; and installing architectural finishes within the building. 		
2. Detail of Overall Project Schedule		Month & Year
Planning/Design Start Date:		June 2003
Design Completion Date:		January 2005
Construction Start Date:		March 2004
Construction Completion Date:		August 2007
Building Occupancy Date:		N/A
Public Opening Date (if applicable):		N/A

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3. Detail of Total Project Cost Estimate		Amount in \$Millions
CAPITAL COSTS		
Planning/Design		8.0
Revitalization/Construction		62.0
Contingency	Percentage: 15% of 62 million	9.3
Construction Management	Percentage: 8.5% of 62 million	5.1
Building Commissioning	Percentage: 1% of 62 million	.6
TOTAL CAPITAL COSTS:		85.0
Non-capital Costs (fundraising, relocation, one-time occupancy costs, exhibits installation)		0
TOTAL PROJECT COST		85.0
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used) Estimates are based on preliminary planning for the capital portion of the project.		

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Outyears	Total
INITIAL PROJECT BASELINE: prelim.	FY: 2004	Request to OMB						Date: Sept 2002	
FEDERAL Capital Costs		9.5	11.0	22.0				7.5	50.0
TRUST Capital Costs	3.45	31.55							35.0
TOTAL CAPITAL COSTS	3.45	41.05	11.0	22.0				7.5	85.0
Non-Capital Costs									
TOTAL PROJECT FUNDS:	3.45	41.05	11.0	22.0				7.5	85.0
PRIOR BUDGET REQUEST	FY: 2004	Request to OMB						Date: Sept 2002	
FEDERAL Capital Costs		9.5	11.0	22.0				7.5	50.0
TRUST Capital Costs	3.45	31.55							35.0
TOTAL CAPITAL COSTS	3.45	41.05	11.0	22.0				7.5	85.0
Non-Capital Costs									
TOTAL PROJECT FUNDS:	3.45	41.05	11.0	22.0				7.5	85.0
CURRENT BUDGET REQUEST	FY: 2005	Request to OMB						Date: Sept 2003	
FEDERAL Capital Costs	1.0	7.5	15.0	23.0	3.5				50.0
TRUST Capital Costs			15.0	10.0	10.0				35.0
TOTAL CAPITAL COSTS	1.0	7.5	30.0	33.0	13.5				85.0
Non-Capital Costs									
TOTAL PROJECT FUNDS:	1.0	7.5	30.0	33.0	13.5				85.0
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs	+1.0	-2.0	+4.0	+1.0	+3.5			-7.5	0
TRUST Capital Costs	-3.45	-31.55	+15.0	+10.0	+10.0				0
TOTAL CAPITAL COSTS	-2.45	-33.55	+19.0	+11.0	+13.5			-7.5	0
Non-Capital Costs									
TOTAL PROJECT FUNDS:	-2.45	-33.55	+19.0	+11.0	+13.5			-7.5	0
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs): The FY 2004 estimate was lowered from the initial baseline due to other pressing SI priorities for that budget year; the phases of the project were adjusted, with Federal and trust funds aligned to meet the new plan. Funds were allocated in FY 2003 from the Capital account for the planning and design phase of Package I, to support the public space renovation and avoid future construction interruptions in the East wing third floor.									

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D. OPERATING COST PROJECTIONS			
ESTIMATED ANNUAL OPERATING COST	Date of First Full Year Occupancy (FY):	FTE	Amount (\$M)
Programmatic Costs (Federal and Trust)			TBD
Facilities Costs (Operations & Maintenance, Security, Safety):			TBD
Central SI Support Costs (Overhead):			TBD
TOTAL ANNUAL OPERATING COST:			TBD
Explanation of basis/methodology for cost estimates (assumptions used, notes on unit preparing estimates): Estimates of future operating costs will be completed once more planning and design has been completed.			

E. SUMMARY OF OPERATIONS FUNDING																		
\$ Millions (1 decimal place)	Prior		FY 04		FY 05		FY 06		FY 07		FY 08		FY 08		Outyears			
	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$		
INITIAL OPERATIONS ESTIMATE:	FY:		Request to OMB or Congress:														Date:	
TOTAL FEDERAL OPERATING COST:																		
TOTAL TRUST OPERATING COST:																		
TOTAL ANNUAL OPERATING COST:																		
PRIOR BUDGET REQUEST																		
FY:		Request to OMB or Congress:														Date:		
TOTAL FEDERAL OPERATING COST:																		
TOTAL TRUST OPERATING COST:																		
TOTAL ANNUAL OPERATING COST:																		
CURRENT BUDGET REQUEST																		
FY:		Request to OMB or Congress:														Date:		
TOTAL FEDERAL OPERATING COST:																		
TOTAL TRUST OPERATING COST:																		
TOTAL ANNUAL OPERATING COST:																		
CHANGES (Prior Request to Current Request)																		
TOTAL FEDERAL OPERATING COST:																		
TOTAL TRUST OPERATING COST:																		
TOTAL ANNUAL OPERATING COST:																		
Explanation of Change: 																		

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):

The fire detection and alarm system is outdated and requires excessive maintenance. The public restrooms are outdated, do not meet code in fixture quantity, and are not fully accessible. Public circulation areas, amenities, lobbies, seating, telephones and secure coat check facilities are worn and in disrepair. The elevators are not fully accessible and are not all on emergency power. The escalators are reaching the end of their useful life. Paths of emergency egress are not clearly defined creating life safety hazards for the public, staff and their families. Fire separation doors are a life safety hazard and require excessive maintenance. Areas of rescue assistance for the disabled are needed. The deficiencies in the mechanical system have caused extreme variations in the building humidity. Steam condensate piping and pressure reducing valve stations are in poor condition, and transformer vaults are not air conditioned, threatening power failures due to heat. Leaks from the mechanical system requires constant maintenance and threaten irreparable moisture damage to the Museum collections. Site landscaping, hardscape and special features, such as the west reflecting pool, are in disrepair, are safety hazards and need renewal. In addition, the Museum lacks of a security perimeter barrier against terrorist threats as well as a good screening system for visitors and vehicles as part of the new Smithsonian Institution security initiative.

B. Project/Program Management (indicate key staff/organization responsible for this project):

Project Executive (if applicable):	Pedro I. Colon, Office of Project Management, OFEO
Project Manager:	TBD
Design Manager:	Santiago Caballero, Office of Engineering, Design & Construction, OFEO
Construction Manager (Res. Engineer):	Curtis Heckelman, Office of Engineering, Design & Construction, OFEO
Program Manager/Liaison & Unit	Randall Inouye, National Museum of American History

Other Management Plans (Executive/Steering Committees, etc.)

To be determined.

C. Acquisition Plan (describe proposed contracting methodology):

The A-E, Skidmore Owings & Merrill is teamed with a construction contractor, Turner Construction, for a design / build delivery system. Details of contract structure to be determined.

PART III: CURRENT STATUS (describe performance against milestones)

Survey / review of existing conditions, Schematic Design and Design Development Phase (35%) for Package I only has been awarded to A-E, Skidmore Owings & Merrill. The 35% Design Development Phase is scheduled for completion in December 2003.

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PART I. A. SUMMARY OF PROJECT INFORMATION			
Location	Suitland, Maryland		
Program Unit Sponsor	National Museum of Natural History		
Account Title	Facilities Capital, Construction		
Account Identification Code			
Name of Project	Construction Museum Support Center Pod 5		
Project Number	0230101		
Project Partners			
This Project Is:	New Construction:	XXX	Revitalization of Existing Facility:
Project/Useful segment is funded:	Incrementally:	XXX	Fully:
Did the Capital Planning Board approve the project?		Date:	January 2002
Did the Capital Planning Board approve the current funding proposal?		Date:	April 2003
Did the Smithsonian Board of Regents approve the project? (If not required, indicate NA)		Date:	September 2001
Did Congress authorize the project? (If not required, indicate NA)		Date:	August 2003

B. PROJECT BASELINE															
Initial Baseline Date:	Date of Baseline Change: Indicate Here if Preliminary: XXXX														
<p>1. Project Scope (specific description of work effort, including square footage involved, historical significance of exhibiting building, project phases if applicable, highlight changes from original baseline):</p> <p>The preliminary scope of the project includes the following elements:</p> <ul style="list-style-type: none"> 120,000 gross square foot addition to Museum Support Center (MSC) for storage of animal and botanical specimens preserved in alcohol now located in National Museum of Natural History on the Mall and in MSC Pod 3. The new pod will contain 3 levels for storage. The height will be determined based upon the requirement to provide appropriate space above and around the containers to provide adequate ventilation. The design of Pod 5 will accommodate existing shelving systems utilized by the Museum, as well as new shelving and compactor systems that are suitable for use with this kind of collection. Purchase of new equipment and relocation of existing shelving is included in the project. Laboratory/research space of approximately 42,000 gross square feet will provide space for staff working with the collections in Pod 5. The utility and access "street" will be extended from the existing building to connect Pod 5 to the rest of the building, as well as to provide a buffer between the storage pod and offices and laboratories. A loading dock will provide direct access to the new storage space. <p>The new pod is in accordance with the approved master plan for the Suitland campus. The estimated \$28 million cost to construct and equip the building will be further refined and a baseline (scope, schedule and budget) established once the building has been designed to the 35% stage.</p>															
<p>2. Detail of Overall Project Schedule</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"></th> <th style="width: 30%;">Month & Year</th> </tr> </thead> <tbody> <tr> <td>Planning/Design Start Date:</td> <td>August 2003</td> </tr> <tr> <td>Design Completion Date:</td> <td>June 2004</td> </tr> <tr> <td>Construction Start Date:</td> <td>August 2004</td> </tr> <tr> <td>Construction Completion Date:</td> <td>March 2006</td> </tr> <tr> <td>Building Occupancy Date:</td> <td>April 2006</td> </tr> <tr> <td>Public Opening Date (if applicable):</td> <td>N/A</td> </tr> </tbody> </table>			Month & Year	Planning/Design Start Date:	August 2003	Design Completion Date:	June 2004	Construction Start Date:	August 2004	Construction Completion Date:	March 2006	Building Occupancy Date:	April 2006	Public Opening Date (if applicable):	N/A
	Month & Year														
Planning/Design Start Date:	August 2003														
Design Completion Date:	June 2004														
Construction Start Date:	August 2004														
Construction Completion Date:	March 2006														
Building Occupancy Date:	April 2006														
Public Opening Date (if applicable):	N/A														

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3. Detail of Total Project Cost Estimate			Amount in \$Millions
CAPITAL COSTS			
Planning/Design			2.4
Revitalization/Construction			23.5
Contingency	Percentage: 10% of 23.5		2.4
Construction Management	Percentage: 8% of 23.5		1.9
Building Commissioning	Percentage: 1% of 23.5		0.2
TOTAL CAPITAL COSTS:			30.4
Non-capital Costs (fundraising, relocation, one-time occupancy costs, exhibits installation)			0
TOTAL PROJECT COST			30.4
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used)			
Preliminary estimate based on approximate per square foot cost of \$150 for construction and equipping of similar spaces.			

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Outyears	Total
INITIAL PROJECT BASELINE:	FY: 2003	Request to OMB						Date: Sept 2001	
FEDERAL Capital Costs	2.0	23.5	2.8						28.3
TRUST Capital Costs									
TOTAL CAPITAL COSTS									
Non-Capital Costs									
TOTAL PROJECT FUNDS:	2.0	23.5	2.8						28.3
PRIOR BUDGET REQUEST	FY: 2004	Request to OMB						Date: Sept 2002	
FEDERAL Capital Costs	2.0	22.0	6.0						30.0
TRUST Capital Costs									
TOTAL CAPITAL COSTS	2.0	22.0	6.0						30.0
Non-Capital Costs									
TOTAL PROJECT FUNDS:	2.0	22.0	6.0						30.0
CURRENT BUDGET REQUEST	FY: 2005	Request to OMB						Date: Sept 2003	
FEDERAL Capital Costs	2.4	10.0	18.0						30.4
TRUST Capital Costs									
TOTAL CAPITAL COSTS	2.4	10.0	18.0						30.4
Non-Capital Costs									
TOTAL PROJECT FUNDS:	2.4	10.0	18.0						30.4
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs	+4	-12.0	+12.0						+4
TRUST Capital Costs									
TOTAL CAPITAL COSTS	+4	-12.0	+12.0						+4
Non-Capital Costs									
TOTAL PROJECT FUNDS:	+4	-12.0	+12.0						+4
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs): The prior year estimate increased based on the actual design contract award. An amount of \$2.4 million was reprogrammed from RR&A in FY 2003 to cover the design cost. The FY 2004 estimate was lowered from the initial request to match expected placement of work in each of the fiscal years. The Institution will construction and equip the building in two years as planned.									

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D. OPERATING COST PROJECTIONS			
ESTIMATED ANNUAL OPERATING COST	Date of First Full Year Occupancy (FY): 2007	FTE	Amount (\$M)
Programmatic Costs (Museum Federal and Trust costs)		0	0
Facilities Costs (Maintenance, Operations Security & Support):		3	.6
Central SI Support Costs (Overhead):		0	0
TOTAL ANNUAL OPERATING COST:		3	.6
Explanation of basis/methodology for cost estimates (assumptions used, notes on unit preparing estimates):			
Preliminary estimates, to be revised as design of the building progresses. Future estimates will include programmatic costs, and facilities costs, including security and other facilities staff, one time costs for furnishings and equipment, and utilities.			

E. SUMMARY OF OPERATIONS FUNDING																
\$ Millions (1 decimal place)	Prior		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		Outyears	
	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$
INITIAL OPERATIONS ESTIMATE:	FY: 2004				Request to OMB:								Date: Sept 2002			
TOTAL FEDERAL OPERATING COST:						.2	3	.8	3	.6	3	.6	3	.6	3	.6
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:						.2	3	.8	3	.6	3	.6	3	.6	3	.6
PRIOR BUDGET REQUEST	FY: 2004				Request to OMB:								Date: Sept 2002			
TOTAL FEDERAL OPERATING COST:						.2	3	.8	3	.6	3	.6	3	.6	3	.6
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:						.2	3	.8	3	.6	3	.6	3	.6	3	.6
CURRENT BUDGET REQUEST	FY: 2005				Request to OMB:								Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:							3	.8	3	.6	3	.6	3	.6	3	.6
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:							3	.8	3	.6	3	.6	3	.6	3	.6
CHANGES (Prior Request to Current Request)																
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
Explanation of Change:																

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):

The design and construction of Pod 5 is the Smithsonian's highest priority safety and security project. The Smithsonian has the world's largest collection of animal and botanical specimens preserved in alcohol. This irreplaceable collection is at risk of total loss because it is stored in space at the NMNH building on the Mall that does not meet the National Fire Codes. In addition, the events of September 11, 2001 have put a higher level of emphasis and increased necessity on proceeding with this project.

Renovating the existing space in the Mall Museum to become code compliant can only be achieved through extraordinarily disruptive and costly means. The resultant space would only house a fraction of the collections now located on the Mall due to the 500 square foot maximum for each storage room called for in the National Fire Codes. The safest solution is the construction of a fifth pod at the Museum Support Center in Suitland, where security inside the perimeter fencing provides the lowest risk. The fifth pod would effectively isolate the alcohol collections from vulnerable, less volatile collections in nearby existing pods.

B. Project/Program Management (indicate key staff/organization responsible for this project):

Project Executive (if applicable):	
Project Manager:	L. D. Heacock, Office of Project Management, OFEO
Design Manager:	Diane Crisen, Office of Engineering, Design and Construction, OFEO
Construction Manager (Res. Engineer):	To Be Determined
Program Manager/Liaison & Unit	Jerome Conlon, Asst. Dir. For Facilities Operations, NMNH

Other Management Plans (Executive/Steering Committees, etc.)

The NMNH has formed a Pod 5 Executive Committee consisting of Jerome Conlon, Elizabeth Dietrich (Move Coordination Office) and senior representatives of from the Fishes, Invertebrate Zoology and Vertebrate Zoology departments.

C. Acquisition Plan (describe proposed contracting methodology):

Bids for construction will be solicited via a request for proposal in the Commerce Business Daily. Competition will be based on best value, technical ability of offerers and price. A multi-year contract will be awarded on a firm fixed price for the base construction with options for alternates. Alternates will be determined during the development of the construction documents.

PART III: CURRENT STATUS (describe performance against milestones)

The facility planning phase PDRI was used in the development of the A/E Consultant's Scope of Work. The Smithsonian has negotiated the design contract with Ewing Cole Cherry Brott for a total price of \$2,286,653. Congress approved the Institution's request to reprogram current RR&A funds on June 1, 2003, and the AE contract has been awarded. The programming charrette will be completed in September 2003 and all designs and construction documents will be completed by June 2004, a period of nine months. The construction contract award milestone is scheduled for August or September 2004 and complete building construction by March 2006. Equipment installation will take an additional six months with some of the installation being concurrent with the collections early move.

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PART I. A. SUMMARY OF PROJECT INFORMATION				
Location	National Mall, Washington, DC			
Program Unit Sponsor	National Museum of Natural History			
Account Title	Facilities Capital, Revitalization			
Account Identification Code				
Name of Project	Continue Revitalization, National Museum of Natural History			
Project Number				
Project Partners				
This Project Is:	New Construction:		Revitalization of Existing Facility:	XXX
Project/Useful segment is funded:	Incrementally: XXX		Fully:	
Did the Capital Planning Board approve the project?			Date:	1992
Did the Capital Planning Board approve the current funding proposal?			Date:	April 2003
Did the Smithsonian Board of Regents approve the project?			Date:	1992
Did Congress authorize the project? (If not required, indicate NA)			Date:	NA

B. PROJECT BASELINE		
Initial Baseline Date: 1992	Date of Baseline Change: August 2002	Indicate Here if Preliminary: XXXX
<p>1. Project Scope (specific description of work effort, including square footage involved, historical significance of existing building, project phases if applicable, highlight changes from original baseline):</p> <p>Replace HVAC, ductwork, lighting, and electrical wiring. Abate and encapsulate asbestos and lead. Restore and upgrade the windows in the original building. Upgrade fire protection and detection systems, storm water systems, water distribution, sanitary, and power systems. Remove and replace the mezzanines to meet acceptable fire protection and accessibility standards. Modify staff restrooms to meet ADA requirements. Update the existing security system. Create a safe storage facility for the variety of hazardous chemicals used in the Museum's scientific research departments. Repair and replace deteriorated piping systems in the tunnels beneath the ground floor of the museum, including primary fire protection sprinkler mains, storm and sewage mains, and miscellaneous water and steam piping. Upgrade emergency power systems to bring the building's life safety systems into code compliance.</p> <p>The current (FY 2004) phase of the project continues the on-going Major Capital Revitalization of the Natural History Building with the renovation of the building's mechanical and electrical systems and associated work. Focus in FY 2004 will be the renovation of the 6th Floor of the building's West Wing. An all new air conditioning and heating distribution system is to be installed; the electrical system upgraded, including a new lighting system; and space modifications made to provide a more flexible and serviceable working environment.</p>		
2. Detail of Overall Project Schedule		Month & Year
Planning/Design Start Date:		1985
Design Completion Date:		TBD (each phase designed separately)
Construction Start Date:		1990
Construction Completion Date:		Est. 2012
Building Occupancy Date:		NA
Public Opening Date (if applicable):		NA

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3. Detail of Total Project Cost Estimate			Amount in \$Millions
CAPITAL COSTS			
Planning/Design			37.0
Revitalization/Construction			220.4
Contingency	Percentage: 12% of 220.4		27.0
Construction Management	Percentage: 10% of 220.4		22.0
Building Commissioning	Percentage: 1% of 220.4		2.0
TOTAL CAPITAL COSTS:			308.4
Non-capital Costs (fundraising, relocation, one-time occupancy costs, exhibits installation)			0
TOTAL PROJECT COST			308.4
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used)			
Portions of estimate represent completed work; cost of remaining work based on experience with prior phases.			

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Outyears	Total
INITIAL PROJECT BASELINE:	FY: 2003	Request to OMB						Date: Sept 2001	
FEDERAL Capital Costs	110.0	18.0	18.0	18.0	46.0	30.0	30.0	25.0	295.0
TRUST Capital Costs									
TOTAL CAPITAL COSTS	110.0	18.0	18.0	18.0	46.0	30.0	30.0	25.0	295.0
Non-Capital Costs									
TOTAL PROJECT FUNDS:	110.0	18.0	18.0	18.0	46.0	30.0	30.0	25.0	295.0
PRIOR BUDGET REQUEST	FY: 2004	Request to OMB						Date: Sept 2002	
FEDERAL Capital Costs	98.4	11.0	43.6	43.0	36.0	33.0	30.0		295.0
TRUST Capital Costs									
TOTAL CAPITAL COSTS	98.4	11.0	43.6	43.0	36.0	33.0	30.0		295.0
Non-Capital Costs									
TOTAL PROJECT FUNDS:	98.4	11.0	43.6	43.0	36.0	33.0	30.0		295.0
CURRENT BUDGET REQUEST	FY: 2005	Request to OMB						Date: Sept 2003	
FEDERAL Capital Costs	98.4	3.0	13.0	45.0	34.0	29.0	38.0	48.0	308.4
TRUST Capital Costs									
TOTAL CAPITAL COSTS	98.4	3.0	13.0	45.0	34.0	29.0	38.0	48.0	308.4
Non-Capital Costs									
TOTAL PROJECT FUNDS:	98.4	3.0	13.0	45.0	34.0	29.0	38.0	48.0	308.4
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs	0	-8.0	-30.6	+2.0	-2.0	-4.0	+8.0	+48.0	+13.4
TRUST Capital Costs									
TOTAL CAPITAL COSTS	0	-8.0	-30.6	+2.0	-2.0	-4.0	+8.0	+48.0	+13.4
Non-Capital Costs									
TOTAL PROJECT FUNDS:	0	-8.0	-30.6	+2.0	-2.0	-4.0	+8.0	+48.0	+13.4
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs):									
FY 2004 estimate was lowered from the initial baseline for this phase of work due to other pressing SI priorities for that budget year; remaining work was re-estimated and distributed in the outyears to match current plans.									

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D. OPERATING COST PROJECTIONS			
ESTIMATED ANNUAL OPERATING COST	Date of First Full Year Occupancy (FY):	FTE	Amount (\$M)
Programmatic Costs (Federal and Trust)			
Facilities Costs (Operations & Maintenance, Security, Safety):		0	.2
Central SI Support Costs (Overhead):			
TOTAL ANNUAL OPERATING COST:		0	.2
Explanation of basis/methodology for cost estimates (assumptions used, notes on unit preparing estimates):			
No additional operating costs currently anticipated beyond an increase in utilities used by new equipment.			

E. SUMMARY OF OPERATIONS FUNDING																
\$ Millions (1 decimal place)	Prior		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		Outyears	
	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$
INITIAL OPERATIONS ESTIMATE:	FY: 2003		Request to Congress										Date: Feb 2002			
TOTAL FEDERAL OPERATING COST:		.2		.2		.2		.2		.2		.2		.2		.2
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:		.2		.2		.2		.2		.2		.2		.2		.2
PRIOR BUDGET REQUEST	FY: 2004		Request to OMB										Date: Sept 2002			
TOTAL FEDERAL OPERATING COST:		.2		.2		.2		.2		.2		.2		.2		.2
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:		.2		.2		.2		.2		.2		.2		.2		.2
CURRENT BUDGET REQUEST	FY: 2005		Request to OMB										Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:		.2		.2		.2		.2		.2		.2		.2		.2
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:		.2		.2		.2		.2		.2		.2		.2		.2
CHANGES (Prior Request to Current Request)																
TOTAL FEDERAL OPERATING COST:		0		0		0		0		0		0		0		0
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:		0		0		0		0		0		0		0		0
Explanation of Change:																

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):

The windows in the main building are original and are so badly deteriorated they no longer provide a proper seal; they are also covered with layers of lead-based paint. The roof system above the rotunda and the major halls was installed in 1909, with portions replaced in the 1950s. The roof over the original building is now being replaced. The 40-year-old HVAC, control, fire protection and suppression, and laboratory exhaust systems are all 15 years past their projected normal useful life and break down frequently. The automatic temperature control system is obsolete and does not operate satisfactorily to maintain stable temperature and humidity necessary for long-term preservation of the collections. Ninety percent of the electrical lighting and power panels in the building are more than 30 years old. The emergency power system is inadequate to operate the more than 30 elevators, 3 fire pumps, and emergency lighting in the building in the event of a major power outage. Restrooms for the public, and some for staff, have been modified to make them accessible, but 22 staff restrooms in the building still do not meet ADA requirements. Asbestos has been abated in all major equipment rooms and in the attics, but it remains in duct wrap, mastic, pipe insulation, and most of the vinyl floor tile. Lead in old paint is present throughout the building, and must be abated or encapsulated. To meet pressing space needs, mezzanines have been added over the years in a haphazard fashion; none have sufficient fire separation from adjacent spaces, they are inaccessible to persons with disabilities, and many are overcrowded to the point of structural stress. None of these mezzanines can be renovated to meet code requirements. They must be removed or replaced. The Museum continues to outgrow its quarters, diminishing the space available for public use. When the building opened in 1910, 220,000 square feet of exhibit space was provided. Today, visitation has increased a thousand fold from the earliest days of the Museum, yet exhibits currently occupy 25 percent less space. Escalators installed in the 1970s are poorly placed and do not serve visitor needs. The museum's main public entrance from the National Mall, used by 80% of the museum's visitors, is not accessible to persons with disabilities. Presently, the only accessible entrance to the museum is at Constitution Avenue, a three-block journey for those arriving at the Mall entrance.

B. Project/Program Management (indicate key staff/organization responsible for this project):

Project Executive (if applicable):	Acting Project Exec.: Sheryl Kolasinski, Director, Office of Project Management, OFEO
Project Manager:	Walter Ennaco, Office of Project Management, OFEO
Design Manager:	Various
Construction Manager (Res. Engineer):	Various
Program Manager/Liaison & Unit	Jerome Conlon Asst. Director Facilities Operations, NMNH
Other Management Plans (Executive/Steering Committees, etc.)	

C. Acquisition Plan (describe proposed contracting methodology):

Bids for each phase are solicited via a request for proposal in the Commerce Business Daily. Competition is based on best value, technical ability of offerers and price. Contracts are awarded on a firm fixed price basis.

PART III: CURRENT STATUS (describe performance against milestones)

Construction completed on the NMNH renewal includes the central cooling plant and emergency generator, asbestos abatement in all mechanical spaces and attics, replacement of all windows in the east and west wings, HVAC equipment replacement, and the renovation of three floors in the east wing and a portion of the third floor of the main building.

In FY 2003, the replacement of the roof, repair of the façade and skylights, installation of mechanical/electrical systems for the East and West wings, and renovation of the East Wing 4th and 5th floors (36,000 square feet) has been substantially completed. The Renovations to Halls 13 – 16 (25,600 square feet) is 85% complete and will be ready for the opening of the new Mammals Exhibit in early FY04. The HVAC, Phase VI, renovations to the Attic spaces and emergency power modifications are about 60% complete. The renovations to the complete building systems of Exhibit Halls 11 and 30 (15,600 square feet) were contracted and will be complete in 1st Qtr, FY04. Both halls will be restored and reverted to gallery space for temporary and permanent exhibits. Restoration and renewal will include complete replacement and upgrade of the HVAC system, electrical distribution system, fire protection and detection, plumbing systems, lighting, architectural restoration, and asbestos and lead abatement. The HVAC, Phase IIC, renovations for the 6th Floor West Wing and 3rd Floor Main Building is to be awarded in late 2003 and will be constructed in FY04.

A major design is underway for the FY 2004–2007 renovation of Halls 7, 8, 9, 10 (22,000 square feet) for the future Ocean Exhibit and 23, 24, 25 (14,600 square feet) for permanent and temporary exhibits. For FY04, demolition of the halls will begin after object removal. Also in FY04, the Executive Conference Room will be relocated, the Main Building Fire Pump will be replaced and designs will start for Renovations of the Basements in both the East and West Wings. In FY05, the first major renovation phase of the Halls 7-10 project will begin.

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PART I. A. SUMMARY OF PROJECT INFORMATION				
Location	Washington, DC, the National Mall			
Program Unit Sponsor	Arts & Industries Building (AIB)			
Account Title	Facilities Capital, Revitalization			
Account Identification Code	XXXXXX			
Name of Project	AIB, Close Building and Relocate/Consolidate Staff and Collections			
Project Number	0315110			
Project Partners				
This Project Is:	New Construction:		Revitalization of Existing Facility:	XXX
Project/Useful segment is funded:	Incrementally:	XXX	Fully:	
Did the Capital Planning Board approve the project? Yes			Date:	April 10, 2003
Did the Capital Planning Board approve the current funding proposal?			Date:	April 10, 2003
Did the Smithsonian Board of Regents approve the project? (If not required, indicate NA)			Date:	September 2003
Did Congress authorize the project? (If not required, indicate NA)			Date:	N/A

B. PROJECT BASELINE		
Initial Baseline Date: April 2003	Date of Baseline Change:	Indicate Here if Preliminary: XXXX
<p>1. Project Scope (specific description of work effort, including square footage involved, historical significance of existing building, project phases if applicable, highlight changes from original baseline):</p> <p>Originally designed to house the rapidly growing National Museum, the 198,000 gross square foot Arts and Industries Building (AIB) was started in April 1879 and completed in March 1881. The last major renovation of the building utility systems took place in the 1970s. The HVAC equipment and electrical and other utility systems are now nearly 30 years old and break down with increasing frequency. Although members of the House and Senate introduced legislation to authorize use of the Arts and Industries Building to establish a National Museum of African American History and Culture in 2001, other sites are now under consideration. The Smithsonian has completed the design of the AIB Renovation Project to approximately the 50% stage. The estimated cost of the total renovation of the Arts and Industries Building is estimated to be about \$182 million.</p> <p>The AIB's current condition is very poor. Roof leakage continues to cause further damage to roof structure, building components, paint and plaster. Paint is peeling at an increasing rate, which in turn increases the risk of contamination from lead. The Institution has determined that because of the risk of roof failure the building will be closed in FY 2005, even if the renovation project does not proceed. This will require relocation of staff, collections and other activities now housed in the building. Ultimately, the total move and relocation costs vary depending on the final scenario approved for rehabilitation of existing SI space, leased space, and/or otherwise acquired space. Design and construction costs for "mothballing" the historic structure are currently being developed. The Institution plans to seek funding in the outyears for the revitalization project.</p> <p>Relocation plans for AIB occupants have been developed under various scenarios including existing SI space and leased space, balancing programmatic efficiency and cost. In addition to offices, several specialized spaces must be relocated, including collections (archives, requiring heavy floor-loading), public programs (the AIB exhibition program and Discovery Theater), the infant/toddler day care center, and the Institution's entire central computer center and support spaces. The FY 2005 budget request includes \$26.4 million to relocate AIB occupants to both permanent and temporary (should the renovation project go forward) owned and leased space. An additional cost ("above the line") of \$7.4 million is included in FY 2005 to consolidate the SI Archives and the Office of the Chief Information Officer (OCIO) from various remote and local locations into the new, permanent location(s). This consolidation will eliminate a number of operating inefficiencies for both units. Currently, OCIO staff and equipment are located in several different buildings, requiring daily travel time between sites even for routine tasks. SI Archives collections are located in a number of geographical locations, from Virginia to Pennsylvania, which hampers comprehensive treatment and use of the materials by staff and scholars.</p>		
2. Detail of Overall Project Schedule		Month & Year
Planning/Design Start Date:		April 2003
Design Completion Date:		July 2004
Construction Start Date:		October 2004
Construction Completion Date:		July 2005
Building Closure Date:		August 2005
Public Opening Date (if applicable):		N/A

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3. Detail of Total Project Cost Estimate		Amount in \$Millions
CAPITAL COSTS		
Planning/Design <i>included in total</i>		
Revitalization/Construction <i>includes only relocation costs</i>		26.4
Contingency <i>included in total</i>	Percentage:	
Construction Management <i>incl. in total</i>	Percentage:	
Building Commissioning <i>included in total</i>	Percentage:	
TOTAL CAPITAL COSTS:		26.4
"Above the line" estimate to consolidate SI Archives and OCIO		7.4
TOTAL PROJECT COST		33.8
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used)		
Preliminary estimates based on proposed relocations into various combinations of existing SI-owned space and leased space. Estimates based on rule-of-thumb costs per square foot per industry standards and historical SI costs. Both leased space improvements and renovations in existing SI buildings were considered. Locations for relocations have been preliminarily suggested, but are not yet approved. Design cannot begin until locations are finalized.		

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Outyears	Total
INITIAL PROJECT BASELINE:	FY: 2005		Request to OMB					Date: Sept 2003	
FEDERAL Capital Costs			26.4						
TRUST Capital Costs									
TOTAL CAPITAL COSTS			26.4						
"Above the line" request			7.4						
TOTAL PROJECT FUNDS:			33.8						
PRIOR BUDGET REQUEST									
	FY:		Request to OMB					Date:	
FEDERAL Capital Costs									
TRUST Capital Costs									
TOTAL CAPITAL COSTS									
Non-Capital Costs									
TOTAL PROJECT FUNDS:									
CURRENT BUDGET REQUEST									
	FY: 2005		Request to OMB					Date: Sept 2003	
FEDERAL Capital Costs			26.4						
TRUST Capital Costs									
TOTAL CAPITAL COSTS			26.4						
Non-Capital Costs			7.4						
TOTAL PROJECT FUNDS:			33.8						
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs			+26.4						
TRUST Capital Costs									
TOTAL CAPITAL COSTS			+26.4						
Non-Capital Costs			+7.4						
TOTAL PROJECT FUNDS:			+33.8						
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs) This is a new project for FY 2005.									

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D. OPERATING COST PROJECTIONS			
ESTIMATED ANNUAL OPERATING COST	Date of First Full Year Occupancy (FY): 2006	FTE	Amount (\$M)
Programmatic Costs (Museum Federal and Trust costs)			
Facilities Costs (Maintenance, Operations Security & Support):			
Central SI Support Costs (Overhead):			
TOTAL ANNUAL OPERATING COST:			TBD
Explanation of basis/methodology for cost estimates (assumptions used, notes on unit preparing estimates):			
Operating costs under development pending final decisions and selection of relocation space(s).			

E. SUMMARY OF OPERATIONS FUNDING																
\$ Millions (1 decimal place)	Prior		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		Outyears	
	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$
INITIAL OPERATIONS ESTIMATE:	FY: 2005		Request to OMB:										Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
PRIOR BUDGET REQUEST																
	FY:		Request to OMB:										Date			
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
CURRENT BUDGET REQUEST																
	FY: 2005		Request to OMB:										Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
CHANGES (Prior Request to Current Request)																
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
Explanation of Change:																
Until final scenario of existing and leased space configuration is finalized, operating costs are pending.																

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):
 Structural analysis of the historic AIB roof trusses has revealed that the structural integrity of main roof components is at risk of failure. The 2003 Roof Report recommended that "... a permanent roof repair/replacement program be implemented within two years in order to ensure the safety of the museum patrons" (Thomton Tomasetti Cutts Structural Report, 2003). Due to the serious deterioration of roof elements already, the Institution has determined that the building must be vacated by mid-2005 to ensure the health, safety and welfare of staff, visitors, and collections. Planning has already begun for the relocation of collections, programs, and occupants. Design will begin once final locations are determined, no later than October 2003. The FY 2005 appropriation is needed to implement the construction, space fit-out and move of collections and occupants by July 2005.

B. Project/Program Management (indicate key staff/organization responsible for this project):

Project Executive (if applicable):	Debra Nauta-Rodriguez, Office of Project Management, OFEO
Project Manager:	
Design Manager:	Christopher Lethbridge, Office of Engineering and Design, OFEO
Construction Manager (Res. Engineer):	
Program Manager/Liaison & Unit	

Other Management Plans (Executive/Steering Committees, etc.)

To be determined.

C. Acquisition Plan (describe proposed contracting methodology):

Contracts for renovating space in existing SI building will be awarded following FAR requirements to SI "term" architect-engineer and construction contractors. Contracts for design and fit-out of leased spaces will be awarded per terms of any existing or new leases.

PART III: CURRENT STATUS (describe performance against milestones)

The proposals for relocation scenarios have been presented to Smithsonian management. Decisions regarding locations and space acquisition strategies are planned for early fall 2003 in order to maintain the design, construction, and move-out schedule.

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PART I. A. SUMMARY OF PROJECT INFORMATION				
Location	Washington, DC, the National Mall			
Program Unit Sponsor	Office of Protection Services			
Account Title	Facilities Capital, Revitalization			
Account Identification Code				
Name of Project	Construct/Install Anti-Terrorism Protection			
Project Number	Multiple			
Project Partners				
This Project Is:	New Construction:	XXX	Revitalization of Existing Facility:	XXX
Project/Useful segment is funded:	Incrementally:	XXX	Fully:	
Did the Capital Planning Board approve the project?				Date: Oct 2001
Did the Capital Planning Board approve the current funding proposal?				Date: April 2003
Did the Smithsonian Board of Regents approve the project?				Date: Jan 2002
Did Congress authorize the project? (If not required, indicate NA)				Date: NA

B. PROJECT BASELINE									
Initial Baseline Date: January 2002	Date of Baseline Change: April 2003								
Indicate Here if Preliminary: XXXX									
<p>1. Project Scope (specific description of work effort, including square footage involved, historical significance of existing building, project phases if applicable, highlight changes from original baseline):</p> <p>The anti-terrorism major renewal program consists of multiple projects to reduce the Institution's vulnerability, including Mall-wide site adaptations, modifications to building perimeters and additions and modifications to building systems. The program will be implemented over multiple fiscal years with emphasis on the highest priority projects to reduce Smithsonian vulnerability to attack. The full program includes the following elements:</p> <ul style="list-style-type: none"> • <u>Construct Permanent Physical Security Barriers</u>: Install hardened perimeter barriers, pop-up barriers & guard booths (meeting established Government criteria) to provide a reasonable standoff distance from Smithsonian facilities thus ensuring vehicles (trucks) carrying explosives cannot drive immediately adjacent to our building exteriors. Current estimate for total project is \$30.5 million. • <u>Mitigate Window Glass Hazards</u>: Modify windows, including film application with frame restraints or interior retro-fits to prevent glass from shattering into deadly shards. Work to complete the Smithsonian facilities will occur at the NMNH, Renwick, Quadrangle, Freer, Smithsonian Institution Building, Victor Building, Udvar-Hazy Dulles Center, Arts & Industries Building, Cooper-Hewitt, NMAI/ Heye Center, and Patent Office Building. Current estimate is \$14.7 million. • <u>Install Perimeter Camera Systems</u>: Provide exterior surveillance cameras and monitoring in the security control rooms. Full-time recording by these cameras will provide invaluable investigative information in the event of a potential security or terrorist related event. Current estimate is \$0.6 million. • <u>Provide Electronic Access Control</u>: Install Electronic Access Control (card readers) at all public/staff separation points throughout SI facilities to restrict the public's ability to gain access to sensitive and critical areas. Current estimate is \$0.7 million. • <u>Modify Air Intakes for Chemical, Biological and Radiological Mitigation</u> – Modify and protect facility air intakes and HVAC systems at all Smithsonian facilities to prevent or reduce the impact of a potential chemical/biological/radiological attack against major metropolitan areas or the Smithsonian. Current estimate is \$1.8 million. • <u>Provide Permanent Public Visitor Screening at NMNH and NMAH</u>: Install adequate numbers of magnetometers and x-ray equipment at each entrance of these two museums. This will improve security and speed the visitors' entry process into these popular museums. Funding for NMNH is planned for FY 2006 (\$11 million in NMNH major revitalization project) and for NMAH (\$5 million as part of the NMAH public space major renewal project). • <u>Design</u>: Total design costs are estimated at \$3.1 million. <p>FY 2005 REQUEST (Thousands of Dollars):</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">Construct Phase II permanent perimeter barriers</td> <td style="text-align: right;">\$4,600</td> </tr> <tr> <td colspan="2">(Phase I installation to be obligated in FY 2004 with \$7.5 million in FY 2003 S&E no-year anti-terrorism funds)</td> </tr> <tr> <td>Modify Air Intakes for C/ B/ R Mitigation, Phase I</td> <td style="text-align: right;">300</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">\$4,900</td> </tr> </table>		Construct Phase II permanent perimeter barriers	\$4,600	(Phase I installation to be obligated in FY 2004 with \$7.5 million in FY 2003 S&E no-year anti-terrorism funds)		Modify Air Intakes for C/ B/ R Mitigation, Phase I	300	Total	\$4,900
Construct Phase II permanent perimeter barriers	\$4,600								
(Phase I installation to be obligated in FY 2004 with \$7.5 million in FY 2003 S&E no-year anti-terrorism funds)									
Modify Air Intakes for C/ B/ R Mitigation, Phase I	300								
Total	\$4,900								
2. Detail of Overall Project Schedule									
Planning/Design Start Date:	2002								
Design Completion Date:	Multiple sites and Projects								
Construction Start Date:	Multiple starts								
Construction Completion Date:	FY 2012								
Building Occupancy Date:	NA								

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Public Opening Date (if applicable):	NA
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3. Detail of Total Project Cost Estimate		Amount in \$Millions
CAPITAL COSTS		
Planning/Design: 7% of 43.2		3.1
Revitalization/Construction		39.0
Contingency	Percentage: 10% of 42.0	4.2
Construction Management	Percentage: 12% of 43.2	5.1
Building Commissioning	Percentage:	N/A
TOTAL CAPITAL COSTS:		51.4
Non-capital Costs (fundraising, relocation, one-time occupancy costs, exhibits installation)		0
TOTAL PROJECT COST		51.4
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used)		
Preliminary estimates based on experience with similar work in Smithsonian buildings and in other government agencies in Washington DC. Some design funds will come out of the \$39 million construction line.		

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Outyears	Total
INITIAL PROJECT BASELINE:	FY: 2003		Request to Congress					Date: Feb 2002	
FEDERAL Capital Costs	12.9	10.1	29.4						52.4
TRUST Capital Costs									
TOTAL CAPITAL COSTS	12.9	10.1	29.4						52.4
Non-Capital Costs									
TOTAL PROJECT FUNDS:	12.9	10.1	29.4						52.4
PRIOR BUDGET REQUEST	FY: 2004		Request to OMB					Date: Sept 2002	
FEDERAL Capital Costs	12.9	10.1	29.4						52.4
TRUST Capital Costs									
TOTAL CAPITAL COSTS	12.9	10.1	29.4						52.4
Non-Capital Costs									
TOTAL PROJECT FUNDS:	12.9	10.1	29.4						52.4
CURRENT BUDGET REQUEST	FY: 2005		Request to OMB					Date: Sept 2003	
FEDERAL Capital Costs	12.9	0	4.9	11.0	6.1	2.2	7.8	6.5	51.4
TRUST Capital Costs									
TOTAL CAPITAL COSTS	12.9	0	4.9	11.0	6.1	2.2	7.8	6.5	51.4
Non-Capital Costs									
TOTAL PROJECT FUNDS:	12.9	0	4.9	11.0	6.1	2.2	7.8	6.6	51.4
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs	0	-10.1	-24.5	+11.0	+6.1	+2.2	+7.8	+6.5	-1.0
TRUST Capital Costs									
TOTAL CAPITAL COSTS	0	-10.1	-24.5	+11.0	+6.1	+2.2	+7.8	+6.5	-1.0
Non-Capital Costs									
TOTAL PROJECT FUNDS:	0	-10.1	-24.5	+11.0	+6.1	+2.2	+7.8	+6.5	-1.0
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs): The Institution's request was not included in the President's Budget for FY 2004. Subsequent evaluation has resulted in revisions to the scope, cost and schedule of the project.									

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):

Since the terrorist attacks on New York and Washington, DC on September 11, 2001 the Smithsonian Institution has developed a comprehensive plan for reducing the risk of a terrorist attack occurring at a Smithsonian museum. The plan results in minimizing the potential damage to people, collections, and buildings should a terrorist attack take place. With the help of outside experts, SI staff performed risk assessments, reviewed security and disaster preparedness plans, and commissioned blast assessments for Smithsonian public buildings. This resulted in the following recommendations to mitigate against vulnerabilities: installation of physical barriers separating the buildings from the street, installation of anti-shatter window film (or interior retro-fits) to mitigate the effects of glass window walls and doors shattering during a blast event, increased building perimeter camera surveillance, improved building emergency voice systems, secured non-public building areas with electronic access control, electronic screening of mail and visitors for the most heavily visited museums, protection against chemical, biological & radiological attack, and mitigation against the effects of blast and progressive collapse.

The popular recognition of the Smithsonian name, the American icons contained in its facilities, and the high level of public access and visitation distinguish the Smithsonian facilities from other government office buildings. If funding is not provided, there is an increased likelihood of damage to people, collections and buildings in the event of a terrorist attack.

B. Project/Program Management (Indicate key staff/organization responsible for this project):

Project Executive (if applicable):	NA
Project Manager:	Judson McIntire, Office of Project Management, OFEO
Design Manager:	Multiple
Construction Manager (Res. Engineer):	Multiple
Program Manager/Liaison & Unit	Douglas Hall, Office of Protection Services, OFEO
Other Management Plans (Executive/Steering Committees, etc.)	

The SI Anti-Terrorism Security Improvement Program/Project is sponsored and overseen by Office of Protection Services (OPS) senior staff. The project management of the program, including planning, design, and construction will be accomplished through a partnership of OFEO Offices; Office of Protection Services, Office of Project Management, Facility Master Planning, and Office of Engineering, Design & Construction.

C. Acquisition Plan (describe proposed contracting methodology):

Acquisition of the perimeter security barriers may be through a design/ build contract; however, complexities of the public domain require a more traditional design/ bid/ build scenario. Acquisition of smaller projects requiring new design and construction services will be accomplished through existing relationships such as GSA (Blanket Purchase Agreements) and SI Indefinite Delivery Indefinite Quantity (IDIQ) contracts. Some other elements will be accomplished through modifications to existing design and construction projects.

PART III: CURRENT STATUS (describe performance against milestones)

OPS has completed risk assessments of all major SI facilities; completed blast assessments of NMNH, NMAH, NASM, AIB, POB and HMSG; installed temporary barriers around NASM, NMNH and NMAH and partial barriers at HMSG; implemented full electronic screening of all visitors at NASM and temporary screening at NMNH and NMAH; awarded installation of select CCTV, Emergency Voice (or P/A) Systems and Glass Mitigation projects; and initiated design of Mall-wide permanent perimeter barriers. Additionally, other perimeter CCTV and Emergency Voice systems are in design. Mall-wide design for concept & schematic phases of permanent barriers is underway with \$1.2 million FY 2002 funds; Phase one installation will be funded by \$7.5 million FY2003 S&E no-year anti-terrorism funds. Glass mitigation at some Mall facilities is ongoing with \$1.4 million FY 2003 funds.

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PART I. A. SUMMARY OF PROJECT INFORMATION			
Location	Kitt Peak National Observatory, Arizona		
Program Unit Sponsor	Smithsonian Astrophysical Observatory		
Account Title	Facilities Capital, Construction		
Account Identification Code			
Name of Project	VERITAS Control Building		
Project Number	0383103		
Project Partners	Iowa State Univ., Purdue Univ., Univ. of Chicago, UCLA, Univ. of Utah, Washington Univ., Leeds Univ. (UK), McGill Univ., (Can)., National Univ. of Ireland, National Science Foundation, U.S. Department of Energy		
This Project Is:	New Construction: XXX	Revitalization of Existing Facility:	
Project/Useful segment is funded:	Incrementally:	Fully:	XXX
Did the Capital Planning Board approve the project?	Date:	January 2003	
Did the Capital Planning Board approve the current funding proposal?	Date:	April 2003	
Did the Smithsonian Board of Regents approve the project? (If not required, indicate NA)	Date:	September 2001	
Did Congress authorize the project? (If not required, indicate NA)	Date:	NA	

B. PROJECT BASELINE	
Initial Baseline Date: August 2003	Date of Baseline Change: Indicate Here if Preliminary: XXXX
<p>1. Project Scope: The Very Energetic Radiation Imaging Telescope Array System (VERITAS) observatory represents a dramatic step forward in the study of extreme astrophysical processes in the universe. The field of ground-based gamma-ray astronomy has been revolutionized by the power of the atmospheric Cherenkov imaging technique. This technique was developed by the Smithsonian Whipple Observatory Gamma-Ray Collaboration. The VERITAS observatory will advance our understanding of the origin of cosmic rays, the nature of galactic jets, the density of the background infrared radiation, and the magnetic fields within supernova remnants. External reviews of VERITAS have been uniformly glowing. The latest, carried out for the National Science Foundation and the Department of Energy in December 2002 concluded that VERITAS has high intellectual merit and should have a broad impact on the scientific community and society in general; that VERITAS will address a rich and compelling list of science goals; and that it will occupy a central place in the high energy astrophysics of the next decade, leveraging the results expected from GLAST and other high energy missions and forging strong connections with the wider astrophysics community.</p> <p>The completed array will consist of seven, 34-foot-aperture telescopes placed at the corners and center of a hexagon with 279-foot long sides. Each large reflector will have a sophisticated camera at its focus. The initial project will install four telescopes, with the remaining three to be added at a later time to complete the array. The project includes construction of site infrastructure improvements, foundation piers, support structures and a central control building. The project partners are sharing the cost of the project. The Smithsonian's share of the construction effort is to construct the central control building. This building is expected to be a single story steel frame structure of non-combustible construction. The control building will house sophisticated electronic equipment to receive and correlate the data gathered at each of the telescopes in the array. This work is needed in order to complete the array. The funds to complete other elements of the total project, including site improvements, utility extensions, telescopes and foundations will be provided by the project partners.</p>	
2. Detail of Overall Project Schedule	Month & Year
Planning/Design Start Date:	August 1996
Design Completion Date:	June 2004
Construction Start Date:	November 2004
Construction Completion Date:	April 2005
Building Occupancy Date:	May 2005
Public Opening Date (if applicable):	NA

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3. Detail of Total Project Cost Estimate		Amount in \$Millions
CAPITAL COSTS		
Planning/Design		
Revitalization/Construction		.880
Contingency	Percentage: 12.5% of .88	.110
Construction Management	Percentage:	
Building Commissioning	Percentage:	
TOTAL CAPITAL COSTS:		.990
Non-capital Costs (fundraising, relocation, one-time occupancy costs, exhibits installation)		
TOTAL PROJECT COST		.990
Explanation of Basis/methodology for Cost Estimates (indicate stage of design or other assumptions used)		
Estimates based on preliminary A/E studies for the central control building project only. Remaining project costs will be funded by NSF and DOE and are not included here.		

C. SUMMARY OF FUNDING FOR PROJECT STAGES									
\$ Millions (1 decimal place)	Prior	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09	Outyears	Total
INITIAL PROJECT BASELINE:	FY: 2005	Request to OMB						Date: Sept 2003	
FEDERAL Capital Costs			.990						.990
TRUST Capital Costs									
TOTAL CAPITAL COSTS			.990						.990
Non-Capital Costs									
TOTAL PROJECT FUNDS:			.990						.990
PRIOR BUDGET REQUEST									
FY:									
FEDERAL Capital Costs									
TRUST Capital Costs									
TOTAL CAPITAL COSTS									
Non-Capital Costs									
TOTAL PROJECT FUNDS:									
CURRENT BUDGET REQUEST									
FY: 2005									
Request to OMB									
Date: Sept 2003									
FEDERAL Capital Costs			.990						.990
TRUST Capital Costs									
TOTAL CAPITAL COSTS			.990						.990
Non-Capital Costs									
TOTAL PROJECT FUNDS:			.990						.990
CHANGES (Prior Request to Current Request)									
FEDERAL Capital Costs									
TRUST Capital Costs									
TOTAL CAPITAL COSTS									
Non-Capital Costs									
TOTAL PROJECT FUNDS:									
Explanation of Baseline Change (detail of factors that affected changed scope, schedule and/or costs):									
Since the Institution's initial request for funding to construct the VERITAS facility, OMB determined that the Smithsonian would be responsible only \$0.990 million of project construction. Funding for the balance of the facility construction will be requested by NSF and DOE.									

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D. OPERATING COST PROJECTIONS			
ESTIMATED ANNUAL OPERATING COST	Date of First Full Year Occupancy (FY): 2006	FTE	Amount (\$M)
Programmatic Costs (Museum Federal and Trust costs)			
Facilities Costs (Maintenance, Operations Security & Support):			
Central SI Support Costs (Overhead):			
TOTAL ANNUAL OPERATING COST:			TBD
Explanation of basis/methodology for cost estimates (assumptions used, notes on unit preparing estimates):			
Estimated facilities costs are currently under development.			

E. SUMMARY OF OPERATIONS FUNDING																
\$ Millions (1 decimal place)	Prior		FY 04		FY 05		FY 06		FY 07		FY 08		FY 09		Outyears	
	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$	FTE	\$
INITIAL OPERATIONS ESTIMATE:	FY: 2005				Request to OMB:								Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
PRIOR BUDGET REQUEST	FY:				Request to OMB:								Date			
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
CURRENT BUDGET REQUEST	FY: 2005				Request to OMB:								Date: Sept 2003			
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
CHANGES (Prior Request to Current Request)																
TOTAL FEDERAL OPERATING COST:																
TOTAL TRUST OPERATING COST:																
TOTAL ANNUAL OPERATING COST:																
Explanation of Change:																

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PART II: JUSTIFICATION AND OTHER INFORMATION

A. Justification (describe why the project is needed, including specific dates required, programs supported, and alternatives analysis):

SAO astronomers have been pioneers in ground-based gamma ray observation technology. Discoveries made at the SAO F. L. Whipple Observatory in Arizona form the basis for the development of the Very Energetic Radiation Imaging Telescope Array System (VERITAS). Funding support for the telescope array is provided by a consortium including SAO, the US Department of Energy, the National Science Foundation and ten other research institutions in the US and abroad. The Institution's share of the cost of facilities necessary to support and operate the telescope array involves designing and constructing the central control building. Funding to construct the site improvements and other elements of the array will be included in DOE and NSF budget requests.

B. Project/Program Management (indicate key staff/organization responsible for this project):

Project Executive (if applicable):	
Project Manager:	Tom Myers, Office of Project Management, OFEO
Design Manager:	Tom Myers, Office of Project Management, OFEO
Construction Manager (Res. Engineer):	Stephen J. Criswell, Smithsonian Astrophysical Observatory
Program Manager/Liaison & Unit	Stephen J. Criswell, Smithsonian Astrophysical Observatory
Other Management Plans (Executive/Steering Committees, etc.)	
To be determined.	

C. Acquisition Plan (describe proposed contracting methodology):

Bids for construction will be solicited via a request for proposal in the Commerce Business Daily. Competition will be based on best value, technical ability of offerors and price. The contract will be awarded on a firm fixed price for the base construction with options for alternates. Alternates will be determined during the development of the construction documents.

PART III: CURRENT STATUS (describe performance against milestones)

During FY 2003-FY2004, the Smithsonian will complete concept planning and preparing designs for the control building and its location on the site. Design of remaining facilities to support the array will be completed in summer 2004, and construction is scheduled to begin in November 2004 and to be completed in April 2005.

Smithsonian Institution Motor Vehicle Fleet

There have been no significant changes in the size/cost of the Smithsonian motor vehicle fleet. The Institution does not anticipate any significant changes in this year or future years.

Vehicles are assigned to organizations based upon their mission and functional responsibilities. Approximately 70-75 percent of the vehicle fleet directly supports maintenance related or pan-institutional activities (i.e. Shuttle/Cargo, Audio Visual Services, Research, Construction, Safety, and Mail). The remainder of the fleet supports various administrative functions that require staff to travel to various SI locations primarily in the DC Metro area.

The recommended replacement cycle for motor vehicles by GSA is 5 years or 60,000 miles. The age of approximately 50 percent of the Smithsonian vehicle fleet is currently 17 years or older. It is the Smithsonian's goal, as funds become available, to replace our fleet over a six to seven year period, and to maintain a replacement program in line with the GSA-recommended standard.

MOTOR VEHICLE FLEET REPORT

Size, Composition, and Annual Cost
(in thousands of dollars)

Agency: Smithsonian Institution

Fiscal Year	Number of Vehicles by Type *							Total Vehicles	Annual Operating Costs
	Sedans & Station Wagons	Light Trucks 4X2	4X4	Medium Trucks	Heavy Trucks	Am- bulances	Buses		
FY 2002	28	191	139	32	25	0	8	423	1,277
Change	1	15	5	-5	-10	0	1	7	518
FY 2003	29	206	144	27	15	0	9	430	1,795
Change	2	4	2	1	0	0	-1	8	370
FY 2004	31	210	146	28	15	0	8	438	2,165
Change	0	5	7	2	1	0	1	16	395
FY 2005	31	215	153	30	16	0	9	454	2,560

NOTES:

* These numbers include vehicles that are owned by the agency, leased from commercial sources, and leased from GSA.

(in millions of dollars)

Agency	Bureau	Line No.	Description	PY	CY	BY
			Report on Resources for Financial Management Activities			
			Accounting and Reporting			
		2001	No. of FTE	265	265	260
		2002	Obligations/Budgetary Resources	20.0	21.0	21.0
			Contractor Accounting and Reporting			
		2102	Obligations/Budgetary Resources	0.5	0.6	0.7
			Audits of Financial Statements			
		3001	No. of FTE	3	3	3
		3002	Obligations/Budgetary Resources	0.5	0.6	0.6
			Financial Management Systems			
		4001	No. of FTE	8	20	20
		4002	Obligations/Budgetary Resources	3.7	5.9	9.2
			Subtotal			
		5001	No. of FTE	276	288	283
		5002	Obligations/Budgetary Resources	24.7	28.1	31.5
			Adjustments			
		6001	No. of FTE	0	0	0
		6002	Obligations/Budgetary Resources	0.0	0.0	0.0
			Total, net			
		7001	No. of FTE	276	288	283
		7002	Obligations/Budgetary Resources	24.7	28.1	31.5
			Audits of Financial Statements			
			Component Contracts Audit Costs			
		8102	Obligations/Budgetary Resources	0.0	0.0	0.0
			Component In-house Costs			
		8201	No. of FTE	0	0	0
		8202	Obligations/Budgetary Resources	0.0	0.0	0.0
			Org-wide Financial Statements:			
			Contract Audit Costs			
		9102	Obligations/Budgetary Resources	0.4	0.5	0.6
			In-House Audit Costs			
		9201	No. of FTE	3	3	3
		9202	Obligations/Budgetary Resources	0.2	0.2	0.2
			Total, all reporting entries:			
		9401	No. of FTE	3	3	3
		9402	Obligations/Budgetary Resources	0.6	0.7	0.8
		9998	Agency Contact	Minnie Carmichael		
		9999	Telephone Number	(202) 275-0322		

Exhibit 53 Name

2004 UPI	2005 UPI	Investment Title	Investment Description	Total Investment			Percentage		Homeland Security		DIVE		Steady State					
				PY	CY	BY	Financial	IT Security	Priority Identifier (Select all that apply)	PY	CY	BY	PY	CY	BY			
452-00-00-00-00-0000-00	452-00-00-00-00-0000-00-000-000	Agency Total IT Investment Portfolio	Agency Total IT Investment Portfolio	54.57	63.93	68.6							14.81	22.4	19.061	39.76	41.57	49.548
452-00-01-00-00-0000-00	452-00-01-00-00-0000-00-000-000	Part 1, IT Systems by Mission Area	Part 1, IT Systems by Mission Area	25.47	27.43	30.1							6.81	12.4	13.061	18.66	15.07	17.048
452-00-01-01-01-0000-00	452-00-01-01-00-0000-00-000-000	Financial & Administrative Management	Financial & Administrative Management	12.91	11.4	11.4							2.7	6.2	5.9	10.21	5.2	5.5
452-00-01-01-01-1001-00	452-00-01-01-1001-00-402-124	Enterprise Resource Planning System	Enterprise finance & human resources mgmnt	11.91	10.4	10.4		80					2.7	6.2	5.9	9.21	4.2	4.5
452-00-01-01-01-1001-00	452-00-01-01-1001-04-402-124	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	11.91	10.4	10.4							2.7	6.2	5.9	9.21	4.2	4.5
452-00-01-01-01-1002-00	452-00-01-01-1001-09-402-124	Funding Source Subtotal	Funding Source Subtotal	11.91	10.4	10.4							2.7	6.2	5.9	9.21	4.2	4.5
452-00-01-01-01-1002-00	452-00-01-01-01-1002-04-402-124	Other Financial & Administrative Management	Other financial & administrative mgmnt	1	1	1							0	0	0	1	1	1
452-00-01-01-01-1002-00	452-00-01-01-01-1002-04-402-124	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	1	1	1		100					0	0	0	1	1	1
452-00-01-01-01-1002-00	452-00-01-01-01-1002-09-402-124	Funding Source Subtotal	Funding Source Subtotal	1	1	1							0	0	0	1	1	1
452-00-01-02-01-1000-00	452-00-01-02-01-0000-00-000-000	Collections	Collections	10.14	13.3	14.93							3.92	6.01	6.25	6.22	7.33	8.68
452-00-01-02-01-1001-00	452-00-01-02-01-1001-00-106-017	Art/CS	Art collections management & information	0.87	0.9	0.98							0.07	0.06	0.007	0.8	0.84	0.97
452-00-01-02-01-1001-00	452-00-01-02-01-1001-04-106-017	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	0.87	0.9	0.98							0.07	0.06	0.007	0.8	0.84	0.97
452-00-01-02-01-1002-00	452-00-01-02-01-1001-09-106-017	Funding Source Subtotal	Funding Source Subtotal	0.87	0.9	0.98							0.07	0.06	0.007	0.8	0.84	0.97
452-00-01-02-01-1002-00	452-00-01-02-01-1002-04-106-017	Salaries & Expenses 33-0100-0	Collections management & information	3	5.5	3.6							2.7	5.4	3.4	0.3	0.1	0.2
452-00-01-02-01-1002-00	452-00-01-02-01-1002-09-106-017	Funding Source Subtotal	Funding Source Subtotal	3	5.5	3.6							2.7	5.4	3.4	0.3	0.1	0.2
452-00-01-02-01-1003-00	452-00-01-02-01-1003-00-106-017	Natl Museum of American History Collections Info System	Collections management & information	0.33	0.38	0.34							0.04	0.02	0	0.29	0.36	0.34
452-00-01-02-01-1003-00	452-00-01-02-01-1003-00-106-017	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	0.33	0.38	0.34							0.04	0.02	0	0.29	0.36	0.34
452-00-01-02-01-1003-00	452-00-01-02-01-1003-09-106-017	Funding Source Subtotal	Funding Source Subtotal	0.33	0.38	0.34							0.04	0.02	0	0.29	0.36	0.34
452-00-01-02-01-1004-00	452-00-01-02-01-1004-00-106-017	SI/HS	Smithsonian Institution Research Info System	1.07	1.2	2.42												
452-00-01-02-01-1004-00	452-00-01-02-01-1004-04-106-017	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	1.07	1.2	2.42							0	0	1.15	1.07	1.2	1.27
452-00-01-02-01-1005-00	452-00-01-02-01-1005-00-106-017	Funding Source Subtotal	Funding Source Subtotal	1.07	1.2	2.42							0	0	1.15	1.07	1.2	1.27
452-00-01-02-01-1005-00	452-00-01-02-01-1005-00-106-017	National Air & Space Museum Collections Info System	Collections management & information	0.44	0.45	0.7							0.1	0.07	0.04	0.34	0.38	0.66
452-00-01-02-01-1005-00	452-00-01-02-01-1005-04-106-017	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	0.44	0.45	0.7							0.1	0.07	0.04	0.34	0.38	0.66
452-00-01-02-01-1005-00	452-00-01-02-01-1005-09-106-017	Funding Source Subtotal	Funding Source Subtotal	0.44	0.45	0.7							0.1	0.07	0.04	0.34	0.38	0.66
452-00-01-02-01-1006-00	452-00-01-02-01-1006-00-106-017	Collections Information Systems Pool	Collections information resources mgmnt	0	1	1							0	0	0	3.3	3.3	3.3
452-00-01-02-01-1006-00	452-00-01-02-01-1006-04-106-017	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	0	1	1							0	0	0	3.3	3.3	3.3
452-00-01-02-01-1006-00	452-00-01-02-01-1006-09-106-017	Funding Source Subtotal	Funding Source Subtotal	0	1	1							0	0	0	3.3	3.3	3.3
452-00-01-02-01-1007-00	452-00-01-02-01-1007-00-106-017	Research & Collections Information System	Natural history collections mgmnt & info	4.13	3.65	4.87							0.81	0.3	0.73	3.32	3.35	4.14
452-00-01-02-01-1007-00	452-00-01-02-01-1007-04-106-017	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	4.13	3.65	4.87							0.81	0.3	0.73	3.32	3.35	4.14
452-00-01-02-01-1007-00	452-00-01-02-01-1007-09-106-017	Funding Source Subtotal	Funding Source Subtotal	4.13	3.65	4.87							0.81	0.3	0.73	3.32	3.35	4.14
452-00-01-02-01-1008-00	452-00-01-02-01-1008-00-106-017	National Postal Museum Collections Info System	Collections management & information	0.26	0.26	0.26							0.16	0.16	0.16	0.1	0.1	0.1
452-00-01-02-01-1008-00	452-00-01-02-01-1008-04-106-017	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	0.26	0.26	0.26							0.16	0.16	0.16	0.1	0.1	0.1
452-00-01-02-01-1008-00	452-00-01-02-01-1008-09-106-017	Funding Source Subtotal	Funding Source Subtotal	0.26	0.26	0.26							0.16	0.16	0.16	0.1	0.1	0.1
452-00-01-02-01-1009-00	452-00-01-02-01-1009-00-106-017	Photo Collections Information System	Institution-wide photo collections system	0.04	0	0.76							0.04	0	0.76	0	0	0
452-00-01-02-01-1009-00	452-00-01-02-01-1009-04-106-017	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	0.04	0	0.76							0.04	0	0.76	0	0	0
452-00-01-02-01-1009-00	452-00-01-02-01-1009-09-106-017	Funding Source Subtotal	Funding Source Subtotal	0.04	0	0.76							0.04	0	0.76	0	0	0
452-00-01-03-00-0000-00	452-00-01-03-00-0000-00-401-119	Facilities	Facilities	0.59	0.85	0.87							0.19	0.19	0.19	0.4	0.66	0.66
452-00-01-03-01-1001-00	452-00-01-03-01-1001-00-401-119	Facilities Management System	Facilities management & information	0.59	0.85	0.87							0.19	0.19	0.19	0.4	0.66	0.66
452-00-01-03-01-1001-00	452-00-01-03-01-1001-04-401-119	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	0.59	0.85	0.87							0.19	0.19	0.19	0.4	0.66	0.66
452-00-01-03-01-1001-00	452-00-01-03-01-1001-09-401-119	Funding Source Subtotal	Funding Source Subtotal	0.59	0.85	0.87							0.19	0.19	0.19	0.4	0.66	0.66
452-00-01-04-01-1000-00	452-00-01-04-00-0000-00-109-026	Scientific Computing	Scientific Computing	1.83	1.9	2.9							0	0	0.721	1.83	1.83	2.188
452-00-01-04-01-1001-00	452-00-01-04-01-1001-00-108-026	Smithsonian Astrophysical Observatory	Research in astronomy & astrophysics	1.83	1.75	2							0	0	0	1.83	1.75	2
452-00-01-04-01-1001-00	452-00-01-04-01-1001-00-108-026	Salaries & Expenses 33-0100-0	Salaries & Expenses 33-0100-0	1.83	1.75	2							0	0	0	1.83	1.75	2
452-00-01-04-01-1001-00	452-00-01-04-01-1001-09-109-026	Funding Source Subtotal	Funding Source Subtotal	1.83	1.75	2							0	0	0	1.83	1.75	2

Agency IT Investment Portfolio

Agency IT Investment Portfolio

Space Budget Justification

Agency: Smithsonian InstitutionBureau: (OIA)GSA Bureau Code: 3300Date: September 15, 2003

Smithsonian Institution (obligations in thousands of dollars)

	FY 2003		FY 2004		FY 2005		FY 2006	
OMB approved inflation factor:	Sq. Ft.	\$000	Sq. Ft.	\$000	Sq. Ft.	\$000	Sq. Ft.	\$000
		2.10%		1.70%		1.50%		1.50%

PART 1: RENTAL PAYMENTS TO GSA

GSA rent estimate	82,500	\$0	82,000	\$0	82,000	\$0	82,000	\$0
Agency adjustments to the bill:								
Chargebacks:	0	\$0	0	\$0	0	\$0	0	\$0
Other adjustments	0	\$0						
Statutorily imposed rent caps	0	\$0						
Planned changes to inventory:								
FY2003	0	\$0	0	\$0	0	\$0	0	\$0
FY2004			0	\$0	0	\$0	0	\$0
FY2005					0	\$0	0	\$0
FY2006							0	\$0
Requested program changes:								
FY2003			0	\$0	0	\$0	0	\$0
FY2004					0	\$0	0	\$0
FY2005							0	\$0
FY2006								
Total, net rental payments to GSA	82,500	\$0	82,000	\$0	82,000	\$0	82,000	\$0

FUNDING SOURCES FOR RENTAL PAYMENTS to GSA

Funded by direct appropriations:

Account title and ID code:								
Acct. 1 Salaries and expenses 016-10-1166	\$0		\$0		\$0		\$0	
Acct. 2 Miscellaneous Account 017-36-2222	\$0		\$0		\$0		\$0	
Acct. 3	\$0		\$0		\$0		\$0	
Acct. 4	\$0		\$0		\$0		\$0	
Acct. 5	\$0		\$0		\$0		\$0	
Acct. 6	\$0		\$0		\$0		\$0	
Acct. 7	\$0		\$0		\$0		\$0	
Acct. 8	\$0		\$0		\$0		\$0	
Subtotal, direct appropriations	\$0		\$0		\$0		\$0	

Funded by other sources:

Account title and ID Code:								
Acct. 1 Resources control 016-12-2650	\$0		\$0		\$0		\$0	
Acct. 2 User Fees 016-12-2750	\$0		\$0		\$0		\$0	
Acct. 3	\$0							
Acct. 4	\$0		\$0		\$0		\$0	
Acct. 5	\$0		\$0		\$0		\$0	
Acct. 6	\$0		\$0		\$0		\$0	
Subtotal, other funding sources	\$0		\$0		\$0		\$0	

Total funding sources (object class 23.1)	\$0		\$0		\$0		\$0	
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Control difference	\$0		\$0		\$0		\$0	
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PART 2: RENTAL PAYMENTS TO OTHERS

Non-Federal sources (object class 23.2)	1,210,667	15,271	1,197,004	13,169	1,297,454	19,169	1,209,700	19,552
Federal sources (object class 25.3)	0	0	0	0	0	0	0	0
Total rental payments to others	1,210,667	\$15,271	1,197,004	\$13,169	1,297,454	\$19,169	1,209,700	\$19,552

SMITHSONIAN INSTITUTION
PROJECTED OUTLAYS IN THE OUTYEARS
FY 2005 - FY 2009
(Dollars in Millions)

	FY 2005		FY 2006		FY 2007		FY 2008		FY 2009	
	<u>Budget Authority</u>	<u>Outlays</u>	<u>Budget Authority</u>	<u>Outlays</u>	<u>Budget Authority</u>	<u>Outlays</u>	<u>Budget Authority</u>	<u>Outlays</u>	<u>Budget Authority</u>	<u>Outlays</u>
Salaries & Expenses	542	533	569	565	578	577	595	592	612	609
Facilities Capital	215	116	161	150	156	175	152	161	158	155
Special Foreign Curr.	0	2	0	0	0	0	0	0	0	0
Total	757	651	730	715	734	752	747	753	770	764

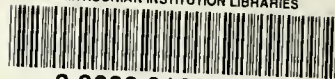
Dollars in Thousands
FTE = Full Time EquivalentPage 1 of 2

Dollars in Thousands
FTE = Full Time Equivalent

SMITHSONIAN INSTITUTION
APPLICATION OF NONAPPROPRIATED TRUST FUNDS - Detail

	General Trust						Donor / Sponsor Designated						Government Grants and Contracts					
	FY 2003		FY 2004		FY 2005		FY 2003		FY 2004		FY 2005		FY 2003		FY 2004		FY 2005	
	FTE	Estimate	FTE	Estimate	FTE	Estimate	FTE	Estimate	FTE	Estimate	FTE	Estimate	FTE	Estimate	FTE	Estimate	FTE	Estimate
PROGRAM SUPPORT AND OUTREACH																		
Outreach																		
6100 Smithsonian Inst. Traveling Exh. Svc.	11	707	11	720	11	620	0	1,019	0	572	0	453	0	0	0	0	0	0
3200 Center for Education & Museum Studies	4	546	6	526	6	527	0	152	0	231	0	165	0	91	0	123	0	110
9100 The Smithsonian Associates	21	1,356	18	1,270	18	1,270	5	909	4	808	4	634	0	0	0	0	0	0
7400 Smithsonian Affiliation Program	11	908	11	943	12	929	0	131	0	101	0	0	0	0	0	0	0	0
6200 National Science Resources Center	8	873	8	923	8	898	6	1,105	6	1,200	6	1,200	8	1,250	8	1,250	8	1,250
9200 Smithsonian Press	0	0	0	153	0	0	0	162	0	31	0	0	0	0	0	0	0	0
1900 Office of Fellowships and Grants	2	325	3	253	3	230	0	183	0	223	0	208	0	0	0	0	0	0
Subtotal Outreach	57	4,715	57	4,788	58	4,474	11	3,661	10	3,166	10	2,660	8	1,341	8	1,373	8	1,360
Communications																		
3100 Visitor Info & Associates Reception Ctr	16	1,175	16	1,176	16	1,176	0	0	0	0	0	0	0	0	0	0	0	0
6500 Office of Public Affairs	6	1,204	6	1,066	6	1,066	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal, Communications	22	2,379	22	2,242	22	2,242	0	0	0	0	0	0	0	0	0	0	0	0
Other Program Support																		
3700 Museum Support Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7200 Office of Exhibits Central	3	265	2	232	1	175	0	0	0	10	0	40	0	0	0	1	0	0
1700 Smithsonian Institution Archives	2	140	2	140	2	140	1	171	1	181	1	186	0	0	0	0	0	0
6300 Smithsonian Institution Libraries	11	962	10	937	10	920	1	488	0	2,081	0	471	0	0	0	0	0	0
Subtotal, Other Program Support	16	1,367	14	1,309	13	1,235	2	659	1	2,272	1	697	0	0	0	1	0	0
Administration																		
176	25,268	202	25,841	201	25,753		2	850	1	1,495	1	422	0	0	0	0	0	0
Facilities Services																		
Facilities Maintenance	0	418	0	400	0	400	0	0	0	52	0	16	0	0	0	0	0	0
Facilities Operations, Security and Support + Rent	19	4,704	19	4,498	19	5,055	5	309	5	280	5	285	0	0	0	0	0	0
Subtotal, Facilities Services	19	5,122	19	4,898	19	5,455	5	309	5	332	5	301	0	0	0	0	0	0
Total Smithsonian	529	75,587	541	75,574	540	70,333	358	83,438	347	106,933	290	74,363	418	93,263	428	93,032	430	91,389

SMITHSONIAN INSTITUTION LIBRARIES



3 9088 01680 3959