



# Federal Capital Improvement Program Summary for Fiscal Years 2018-2023

The National Capital Planning Commission (NCPC) is the federal government’s central planning agency for the National Capital Region (NCR).<sup>1</sup> Through planning, policymaking, and project review, NCPC protects and advances the federal government’s interest in the region’s development. One of NCPC’s core activities is to prepare the Federal Capital Improvements Program (FCIP), which requires that NCPC annually review and recommend a six-year program of federal capital improvement projects for the NCR.<sup>2</sup>

NCPC uses the FCIP as a planning tool, to help guide planning and development in the region. NCPC evaluates each proposed federal capital project for conformance with plans and policies adopted by the Commission, regional planning bodies, and local and state governments. The FCIP identifies projects at early stages of development that are important to the federal interest, and identifies planning and design issues that require future coordination.

Each fall, NCPC submits the six-year program with planning and funding recommendations to the Office of Management and Budget (OMB), for use in its preparation of the President’s annual budget. Once Congress passes the budget, NCPC releases a list of funded FCIP project for public dissemination. This report summarizes the projects funded for Fiscal Year 2018.

## FY 18 FUNDING SUMMARY



<sup>1</sup> The NCR consists of Washington, DC (the official seat of the federal government), the surrounding counties within Maryland and Virginia (Montgomery, Prince George's, Arlington, Fairfax, Loudoun, and Prince William), and the incorporated cities therein.

<sup>2</sup> Pursuant to Section 7 of the National Capital Planning Act (40 U.S.C. 8723(a)).

# Department of Agriculture

## AGRICULTURAL RESEARCH SERVICE

BELTSVILLE, MARYLAND (PRINCE GEORGE'S COUNTY)

### INFRASTRUCTURE MODERNIZATION AT BELTSVILLE AGRICULTURAL RESEARCH CENTER

*GREEN*

Prior Funding	Total Funded FY 2018	Total Project Cost
\$14,400,000	\$3,600,000	\$79,400,000

The project would repair, replace, or upgrade the following: sanitary and stormwater systems; domestic water distribution; steam and condensation distribution piping; electrical sub stations and distribution systems; and central utility and wastewater treatment plants within the center. The project is necessary to provide reliable and efficient infrastructure support to research facilities at the center.

# Department of the Air Force

## JOINT BASE ANDREWS

JOINT BASE ANDREWS, MD (PRINCE GEORGE'S COUNTY)

### PRESIDENTIAL AIRCRAFT RECAPITALIZATION LAND ACQUISITION

*YELLOW*

Prior Funding	Total Funded FY 2018	Total Project Cost
\$0	\$17,500,000	\$17,000,000

The project would include the purchase of land and/or restrictive use easements to construct a new Hazardous Cargo Pad and Explosive Ordnance Disposal Proficiency Range located on the southeast boundary of Joint Base Andrews.

### PRESIDENTIAL AIRCRAFT RECAPITALIZATION COMPLEX

*GREEN*

Prior Funding	Total Funded FY 2018	Total Project Cost
\$23,251,000	\$124,800,000	\$277,251,000

The project would construct a 376,059 square feet Presidential Aircraft Recapitalization Complex to house two VC-25B aircraft and associated access taxiways/parking apron.

### VEHICLE OPERATIONS FACILITY

*GREEN*

Prior Funding	Total Funded FY 2018	Total Project Cost
\$521,000	\$2,000,000	\$2,521,000

The project would construct a 5,909 square foot vehicle operations facility utilizing economical design and construction methods in accordance with the Joint Base Andrews' Architectural Compatibility Plan. Work includes site preparations, fire suppression, parking lot, landscaping, stormwater management, utilities and connections.

# Department of Commerce

## NATIONAL INSTITUTES OF STANDARDS AND TECHNOLOGY

GAITHERSBURG, MARYLAND (MONTGOMERY COUNTY)

### BUILDING 245 MODERNIZATION

GREEN

Prior Funding	Total Funded FY 2018	Total Project Cost
\$122,880,000	\$205,000,000	\$325,880,000

The project comprises a series of carefully sequenced works in and around Building 245, which has housed specialized physics research since the Gaithersburg campus opened in the 1960s. A detailed study of planning alternatives for the building was completed with the selection and development of a “Preferred Alternative” concept. The modernization project includes two additions: a laboratory addition to the eastern portion of the site between the building's B and C Wings, and an addition to the building's D Wing to expand the specialized research within it and to provide additional mechanical space. Staged renovations throughout the building address critical facility deficiencies and are carefully planned to minimize disruption to the ongoing important scientific work.

# Department of Defense

## PENTAGON – WASHINGTON HEADQUARTERS SERVICES

ARLINGTON, VA (ARLINGTON COUNTY)

### PENTAGON CORRIDOR 8 PEDESTRIAN ACCESS CHECK POINT

GREEN

Prior Funding	Total Funded FY 2018	Total Project Cost
\$1,097,000	\$8,140,000	\$9,237,000

The project houses airport-like screening functions for visitors and employees entering the Pentagon via the Corridor 8 pedestrian bridge. The sally ports are currently used to screen employees with badges. The project would replace a temporary screening building at the same location.

### SOUTHEAST SAFETY TRAFFIC AND PARKING IMPROVEMENTS

GREEN

Prior Funding	Total Funded FY 2018	Total Project Cost
\$1,407,000	\$28,700,000	\$30,107,000

The project would reconfigure a portion of North Rotary Road and the Connector Road on the Pentagon Reservation to improve pedestrian and vehicle safety, traffic flow, security, and federal environmental regulation compliance. The project would reduce conflicts between pedestrians and vehicular traffic. The project includes a commuter plaza, bus only lanes, smart traffic control devices, landscaping, and improved stormwater management for the southeast side of the Pentagon Reservation.

# General Services Administration

## GENERAL SERVICES ADMINISTRATION

WASHINGTON, DC

### HARRY S TRUMAN BUILDING REPAIR AND ALTERATION PROJECT – UPGRADE ELEVATORS

*GREEN*

Prior Funding	Total Funded FY 2018	Total Project Cost
\$0	\$13,200,000	\$13,200,000

The 2018 project consists of upgrades to 21 elevators (including several freight elevators) in the non-modernized half of the building. GSA had originally planned to undertake these upgrades at a later date, however, the current condition of the elevators make it necessary to modernize the elevators at this time. The proposed project includes the removal and replacement of the major elevator components.

### LYNDON BAINES JOHNSON BUILDING – MAJOR REPAIR AND ALTERNATION

*GREEN*

Prior Funding	Total Funded FY 2018	Total Project Cost
\$0	\$4,200,000	\$4,200,000

The project would improve the office utilization rate from 167 to 123 usable square feet (USF) per person and total building utilization rate 233 to 175 USF per person, and allow Department of Education to consolidate approximately 630 personnel from leased space into the existing building. To adequately support the increased utilization and higher density, the project also includes upgrades or replacement, as necessary, of multiple building systems, including heating, ventilation and air conditioning, electrical, plumbing, and life safety and sustainability items, including replacement of associated Fire and Life Safety Fire Control room equipment and upgrading of the stairwells to meet current codes.

## Department of Health and Human Services

### NATIONAL INSTITUTES OF HEALTH

BETHESDA, MD (MONTGOMERY COUNTY)

### BIOINFORMATICS CORE FACILITY VACCINE RESEARCH CENTER BUILDING 40 EXPANSION

*GREEN*

Prior Funding	Total Funded FY 2018	Total Project Cost
\$0	\$3,000,000	\$9,700,000

The new Bioinformatics Core Facility would include 13,200 gross square footage and 8,400 usable square footage of "dry lab" space with significant network connectivity and audio-visual support for purposes of data processing, analytics and visualization. The expansion would involve enclosing the open roof area on the second floor of the existing Building 40, and infilling a mezzanine area formerly used as a cyber café.

# Department of the Interior

## NATIONAL PARK SERVICE

WASHINGTON, DC

### REHABILITATE ARLINGTON MEMORIAL BRIDGE

*GREEN*

<b>Prior Funding</b>	<b>Total Funded FY 2018</b>	<b>Total Project Cost</b>
\$147,800,000	\$18,200,000	\$262,000,000

Since its construction in 1932-1933, the Arlington Memorial Bridge has served visitors, dignitaries and funeral processions in route to the Arlington National Cemetery. Designed to symbolize the reunification of North and South, the Arlington Memorial Bridge is the southern terminus of the monumental core of Washington, DC. It serves a major artery in metropolitan DC's roadway network, accommodating approximately 68,000 motor vehicles per day. It also serves as an emergency evacuation route for the city. Having already surpassed its 75-year life cycle by 10 years, the bridge is in need of substantial repairs to the superstructure and full replacement of the roadway deck.

### RESTORATION OF THE JEFFERSON MEMORIAL ROOF

*GREEN*

<b>Prior Funding</b>	<b>Total Funded FY 2018</b>	<b>Total Project Cost</b>
\$0	\$21,371,000	\$22,128,000

The Jefferson Memorial (constructed between 1939 and 1943) is one of the Nation's most prominent and famous cultural resources in the National Park system. The memorial was individually listed on the National Register of Historic Places in 1981 and is also listed as a contributing structure on the East and West Potomac Parks National Historic District. The planned work for the memorial must be completed to prevent further system failures. An incident was documented in April 2014 when the memorial's stone beams fractured and fell off. The failure was caused by rust jacking of the steel I-beams with continual water penetration from the roof and gutter systems into the attic space.

# Department of the Navy

## NAVAL FACILITIES ENGINEERING COMMAND, WASHINGTON ENVIRONMENTAL WASHINGTON, DC

### MASTER CLOCK FACILITY

*YELLOW*

Prior Funding	Total Funded FY 2018	Total Project Cost
\$0	\$4,366,000	\$95,190,000

The project would provide operational facilities for the Master Clock at the U.S. Naval Observatory in Washington, DC. Primary facilities would include construction of a new Master Time Clock Facility (Building 51), conversion of Building 52 to an administration building, conversion of Building 52A to a data processing center, conversion of Building 3 to an observers electronic lab, conversion of Building 78 to a laboratory, demolition of Building 82, and restoration of historic building foundations (Buildings 6 and 7).

### MARINE BARRACKS WASHINGTON BUILDING 8 RENOVATION\*\*

*NOT RATED*

Prior Funding	Total Funded FY 2018	Total Project Cost
\$3,038,000	\$819,000	\$26,038,000

The project includes the improvement of Building 8 at Marine Barracks Washington, DC. The facility was originally built in 1902 and expanded in 1912 to its current size. The building has not seen a major renovation since 1954 and the structure and support systems are in dire need of replacement to meet the mission for the next 50 years. The project would infill a currently excavated area of the basement to maximize the existing footprint and provide a flexible, efficient, and modern administrative facility capable of meeting the long-term future needs of the Command Post. Improvements would correct operational and functional space deficiencies, including compliant administrative office space and circulation to provide a high-performance, sustainable, and safe working environment.

\*\*Capital improvement projects not reported in FY 2018-2023 FCIP.

### WASHINGTON NAVY YARD BUILDINGS 46 & 67 RENOVATION\*\*

*NOT RATED*

Prior Funding	Total Funded FY 2018	Total Project Cost
\$2,821,000	\$16,000,000	\$68,357,000

The project provides for the conversion/alteration of the Navy's Operational Archives, Navy Department Library, Navy Art Collection Storage, and Underwater Archaeology (UA) conservation laboratory to accommodate research and collections at the Naval History and Heritage Command, including approximately 182,000 books; 374,000 manuscripts; 1 million Navy photos; 20,000 pieces of artwork; 1,400 UA artifacts; and 186 million pages of invaluable reference files, command chronologies, and other official records of the U.S. Navy. The project includes complete renovation of Buildings 46 and 67; construction of a second floor within the core/original Building 46 and part of Building 67; and select building component replacements of Buildings 44, 57, and 108 (windows to meet Anti-Terrorism/Force Protection).

\*\*Capital improvement projects not reported in FY 2018-2023 FCIP.

# Smithsonian Institution

## SMITHSONIAN INSTITUTION

WASHINGTON, DC

### NATIONAL MUSEUM OF NATURAL HISTORY REVITALIZATION

GREEN

<b>Prior Funding</b>	<b>Total Funded FY 2018</b>	<b>Total Project Cost</b>
\$262,052,000	\$18,000,000	\$406,052,000

Based on planning completed in 2006, the Smithsonian is completing a comprehensive renovation program at the National Museum of Natural History building. The renovation includes the replacement of heating, ventilation, and air conditioning equipment, ductwork, electrical equipment and wiring, piping systems, and windows of the main building. Asbestos and lead would be abated or encapsulated; the fire-protection, communications, alarm, and emergency power systems would be upgraded; and storm-water systems and a hazardous-chemical control facility would be installed. In April 2017, the Commission approved the final site development plans for a symmetrical switchback walkway at the south entrance of the museum.

### RENOVATE SMITHSONIAN CASTLE

GREEN

<b>Prior Funding</b>	<b>Total Funded FY 2018</b>	<b>Total Project Cost</b>
\$5,600,000	\$2,600,000	\$172,948,000

The renovation of the Smithsonian Castle, on the National Mall would include the restoration of interior spaces, the repair of interior and exterior finishes, and the accommodation of contemporary administrative and museum needs through appropriate new construction. The project would replace all mechanical, electrical, plumbing, and communications systems with new energy-efficient components. The project would also repair or replace the roofs and facades, replace the elevators, abate or encapsulate asbestos and lead paint, upgrade the fire detection and suppression systems, and make the building more accessible to persons with disabilities.

### REPLACE NATIONAL AIR AND SPACE MUSEUM MECHANICAL SYSTEMS AND BUILDING ENVELOPE

GREEN

<b>Prior Funding</b>	<b>Total Funded FY 2018</b>	<b>Total Project Cost</b>
\$43,553,000	\$198,000,000	\$647,303,000

The project would repair and restore the building's Tennessee Pink marble (limestone) facade, improve its blast and seismic resistance, and increase energy efficiency of the exterior envelope. The project would replace the mechanical systems, including all equipment, fans, chillers, motors, pumps, ductwork, and controls throughout the building. A primary goal for the planned heating, ventilation, and air conditioning replacement portion of the project is to provide the collections area and all occupied spaces with appropriate temperature and humidity controls. The scope of the project includes replacement of all exterior stone due to extensive warping and cracking.

**RESTORE HIRSHHORN FACADE AND PLAZA***GREEN*

<b>Prior Funding</b>	<b>Total Funded FY 2018</b>	<b>Total Project Cost</b>
\$3,900,000	\$2,000,000	\$67,250,000

The project includes restoring the facade of the building and the surrounding plaza, and repairing interior damage caused by leaks.

**SMITHSONIAN INSTITUTION**

SUITLAND, MD (PRINCE GEORGE'S COUNTY)

**MUSEUM SUPPORT CENTER LABORATORY RENOVATION***GREEN*

<b>Prior Funding</b>	<b>Total Funded FY 2018</b>	<b>Total Project Cost</b>
\$6,215,000	\$4,250,000	\$74,365,000

The project would renovate the infrastructure and laboratories supporting the collections stored in Suitland, Maryland. It includes renovation of the entire mechanical, electrical, plumbing, security, and fire protection systems for the laboratory and administration areas for the collections. It also rearranges the laboratory space to be more efficient with modular/multi-use type spaces. In conjunction with this, the administrative areas would be consolidated to provide a more controlled flow of incoming/outgoing specimens and artifacts to insure tighter documentation, pest control, and care of the overall collections.

**SUITLAND - COLLECTIONS STORAGE SWING SPACE***GREEN*

<b>Prior Funding</b>	<b>Total Funded FY 2018</b>	<b>Total Project Cost</b>
\$9,630,000	\$4,500,000	\$13,630,000

The project would provide swing space to allow for the temporary storage of collections. The swing space would allow the Smithsonian Institution to remediate contaminated facilities including Buildings 15, 16 and 18.