National Capital Region
Infrastructure Fact Sheets

Park Index

Antietam National Battlefield........................................................................................................................................ 1
Catoctin Mountain Park ................................................................................................................................................. 2
Chesapeake & Ohio Canal National Historical Park ....................................................................................................... 3
Ford’s Theatre National Historic Site ............................................................................................................................. 4
George Washington Memorial Parkway ........................................................................................................................ 5
Harpers Ferry National Historical Park .......................................................................................................................... 6
Manassas National Battlefield Park ............................................................................................................................... 7
Monocacy National Battlefield ...................................................................................................................................... 8
National Capital Parks - East .......................................................................................................................................... 9
National Capital Regional Office .................................................................................................................................. 10
National Mall and Memorial Parks .............................................................................................................................. 11
President’s Park (White House) ................................................................................................................................... 12
Prince William Forest Park ........................................................................................................................................... 13
Rock Creek Park ........................................................................................................................................................... 14
Stephen T. Mather Training Center ............................................................................................................................. 15
Wolf Trap National Park for the Performing Arts ........................................................................................................ 16

1 There are 24 official NPS units which do not appear in this report because of the hierarchy of these units as organized in the Facility Management Software System. For the purposes of this report, the inventory associated with these 24 parks (left column) are included as a sub-set of the larger parks (right column).

<table>
<thead>
<tr>
<th>Sub Park</th>
<th>Parent Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arlington House (ARHO)</td>
<td>George Washington Memorial Parkway (GWMP)</td>
</tr>
<tr>
<td>Belmont-Paul Women’s Equality National Monument (BEPA)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>Carter G. Woodson Home National Historic Site (CAWO)</td>
<td>National Capital Parks-East (NACE)</td>
</tr>
<tr>
<td>Clara Barton National Historic Site (CLBA)</td>
<td>George Washington Memorial Parkway (GWMP)</td>
</tr>
<tr>
<td>Constitution Gardens (COGA)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>Fort Washington Park (FOWA)</td>
<td>National Capital Parks-East (NACE)</td>
</tr>
<tr>
<td>Franklin D. Roosevelt Memorial (FDRM)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>Frederick Douglass National Historic Site (FRDO)</td>
<td>National Capital Parks-East (NACE)</td>
</tr>
<tr>
<td>Greenbelt Park (GREE)</td>
<td>National Capital Parks-East (NACE)</td>
</tr>
<tr>
<td>Korean War Veterans Memorial (KWVM)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>Lincoln Memorial (LINC)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>Sub Park</td>
<td>Parent Unit</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>Lyndon Baines Johnson Memorial Grove on the Potomac (LYBA)</td>
<td>George Washington Memorial Parkway (GWMP)</td>
</tr>
<tr>
<td>Martin Luther King Jr. Memorial (MLKM)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>Mary McLeod Bethune Council House National Historic Site (MAMC)</td>
<td>National Capital Parks-East (NACE)</td>
</tr>
<tr>
<td>National Capital Parks (NACC)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>Pennsylvania Avenue National Historic Site (PAAV)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>Piscataway Park (PISC)</td>
<td>National Capital Parks-East (NACE)</td>
</tr>
<tr>
<td>Potomac Heritage National Scenic Trail (POHE)</td>
<td>George Washington Memorial Parkway (GWMP)</td>
</tr>
<tr>
<td>Theodore Roosevelt Island (THIS)</td>
<td>George Washington Memorial Parkway (GWMP)</td>
</tr>
<tr>
<td>Thomas Jefferson Memorial (THJE)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>Vietnam Veterans Memorial (VIVE)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>Washington Monument (WAMO)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>World War I Memorial (WWIM)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
<tr>
<td>World War II Memorial (WWII)</td>
<td>National Mall &amp; Memorial Parks (NAMA)</td>
</tr>
</tbody>
</table>
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **66 Buildings**
- **15 Miles of Trails**
- **1 Housing Unit**
- **0 Campgrounds**
- **6 Miles of Unpaved Roads**
- **0 Water Systems**
- **7 Miles of Paved Roads**
- **83 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

1. All Other assets include maintained landscapes, utility systems, monuments, maintained archeological sites, and interpretive media.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $16 M**
  - Capital Improvement $4 M
  - Other Facility Maintenance $0
  - Deferred Maintenance $12 M

There is also a **$602 K annual Routine Maintenance** requirement in addition to the costs shown above.

<table>
<thead>
<tr>
<th>Buildings and Paved Roads &amp; Structures</th>
<th>$7 M for Buildings</th>
<th>$3 M for Paved Roads &amp; Structures</th>
<th>$5 M for all remaining asset categories</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Driven by maintained landscapes ($4 M) and interpretive media ($539 K)</td>
</tr>
</tbody>
</table>

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pavement Pres, plus trail work</td>
<td>$1,300,000</td>
</tr>
<tr>
<td>Replace Accessible Pedestrian Pathway to Burnside Bridge</td>
<td>$120,000</td>
</tr>
<tr>
<td>Rehabilitate Rohrbach Campground to Improve Visitor Experience</td>
<td>$120,000</td>
</tr>
</tbody>
</table>

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3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **143 Buildings**
- **26 Miles of Trails**
- **5 Housing Units**
- **8 Campgrounds**
- **4 Miles of Unpaved Roads**
- **10 Water Systems**
- **11 Waste Water Systems**
- **11 Miles of Paved Roads**
- **36 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected. All Other assets include maintained landscapes, utility systems, interpretive media, and amphitheaters.*

Water Systems and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Water Systems</th>
<th>Paved Roads &amp; Structures</th>
<th>Total Maintenance Needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>$9 M</td>
<td>$8 M</td>
<td>$15 M</td>
</tr>
</tbody>
</table>

Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

*Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.*

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Deferred Maintenance $31 M**
- **Capital Improvement $571 K**
- **Other Facility Maintenance $370 K**

There is also a **$835 K annual Routine Maintenance requirement in addition to the costs shown above.**

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Greentop Dining Hall and Recreation Hall</td>
<td>$562,000</td>
</tr>
<tr>
<td>Repair Rt. 0011 Section O Foxville- Deerfield Rd</td>
<td>$500,000</td>
</tr>
<tr>
<td>Rehabilitate 4 Greentop Comfort Stations</td>
<td>$105,000</td>
</tr>
<tr>
<td>Rehabilitate Greentop Central Bathhouse</td>
<td>$69,000</td>
</tr>
<tr>
<td>Rehabilitate 2 Misty Mount Comfort Stations</td>
<td>$50,000</td>
</tr>
</tbody>
</table>


*Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.*

*Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.

*Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.*
Chesapeake & Ohio Canal National Historical Park
Infrastructure Fact Sheet

5.1 Million Annual Visitors
$143 Million in Economic Output

Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **136 Buildings**
- **35 Campgrounds**
- **8 Miles of Unpaved Roads**
- **0 Waste Water Systems**
- **613 All Other Assets**
- **200 Miles of Trails**
- **4 Housing Units**
- **6 Miles of Paved Roads**
- **0 Water Systems**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, trail tunnels, maintained landscapes, utility systems, dams, constructed waterways, marinas, railroad systems, maintained archeological sites, fortifications, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $101 M**
- **Deferred Maintenance $92 M**
- **Capital Improvement $4 M**
- **Other Facility Maintenance $5 M**

There is also a $7 M annual Routine Maintenance requirement in addition to the costs shown above.

Trails and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$24 M for Trails**
- **$15 M for Paved Roads & Structures**
- **$62 M for all remaining asset categories**

Projects in Current Funding Stream

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repair Canal Inlet Lock 1 and Lift Locks 1,2 and 5</td>
<td>$11,062,000</td>
</tr>
<tr>
<td>Repair Four Locks Boat Ramp</td>
<td>$569,000</td>
</tr>
<tr>
<td>Repoint and Paint Exterior Brick Facade, Windows and Doors at the Georgetown Visitor Center</td>
<td>$540,000</td>
</tr>
<tr>
<td>Repair Exterior Envelope and Drainage System of Cushwa Warehouse and Trolley Barn</td>
<td>$345,000</td>
</tr>
</tbody>
</table>

3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>2</td>
</tr>
<tr>
<td>Miles of Trails</td>
<td>0</td>
</tr>
<tr>
<td>Housing Units*</td>
<td>0</td>
</tr>
<tr>
<td>Campgrounds</td>
<td>0</td>
</tr>
<tr>
<td>Miles of Unpaved Roads</td>
<td>0</td>
</tr>
<tr>
<td>Water Systems</td>
<td>0</td>
</tr>
<tr>
<td>Waste Water Systems</td>
<td>0</td>
</tr>
<tr>
<td>Miles of Paved Roads</td>
<td>0</td>
</tr>
<tr>
<td>All Other Asset†</td>
<td>1</td>
</tr>
</tbody>
</table>

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need**: $4 M
  - Capital Improvement: $1 M
  - Other Facility Maintenance: $334 K
  - Deferred Maintenance: $2 M

There is also a **$4 K annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings have the highest estimated maintenance needs by asset category at the park. The figure below does not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td>$4 M</td>
</tr>
</tbody>
</table>

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Ford's Theatre National Historic Site does not have any projects in the formulated lists released publicly.

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3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **108 Buildings**
- **51 Miles of Trails**
- **0 Housing Units**
- **0 Campgrounds**
- **6 Miles of Unpaved Roads**
- **1 Water System**
- **79 Miles of Paved Roads**
- **149 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.*

†All Other assets include trail bridges, maintained landscapes, utility systems, marinas, monuments, fortifications, and interpretive media.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $735 M**
  - **Deferred Maintenance $717 M**
  - **Capital Improvement $7 M**
  - **Other Facility Maintenance $10 M**

There is also a $5 M annual Routine Maintenance requirement in addition to the costs shown above.

Paved Roads & Structures and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$662 M for Paved Roads & Structures**
- **$27 M for Buildings**
- **$46 M for all remaining asset categories**

Driven by maintained landscapes ($27 M) and monuments ($6 M)

Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>North End Reconstruction</td>
<td>$170,000,000</td>
</tr>
<tr>
<td>Reconstruct North GWMP Rt0001 and Rt002</td>
<td>$24,200,000</td>
</tr>
<tr>
<td>Replace Critically Deficient Steel Guardrail. Sections 2, 4, 6, and 8</td>
<td>$496,000</td>
</tr>
</tbody>
</table>

1. Arlington House, The Robert E. Lee Memorial, Clara Barton National Historic Site, Lyndon Baines Johnson Memorial Grove on the Potomac, Potomac Heritage National Scenic Trail, and Theodore Roosevelt Island are included as they are co-managed with George Washington Memorial Parkway.
4. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
5. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
6. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **71 Buildings**
- **24 Miles of Trails**
- **7 Housing Units**
- **0 Campgrounds**
- **9 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Waste Water Systems**
- **3 Miles of Paved Roads**
- **113 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, maintained landscapes, boundaries, utility systems, dams, monuments, maintained archeological sites, fortifications, and interpretive media.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **$11 M** for Capital Improvement
- **$422 K** for Other Facility Maintenance
- **$10 M** for Deferred Maintenance

There is also a **$1 M annual Routine Maintenance** requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$14 M** for Buildings
- **$4 M** for Paved Roads & Structures
- **$4 M** for all remaining asset categories

Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchase Six 37 Passenger Buses in 2017/2018</td>
<td>$150,000</td>
</tr>
<tr>
<td>Rehabilitate Gutter and Drainage Systems Parkwide</td>
<td>$150,000</td>
</tr>
</tbody>
</table>

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3. Total need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
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Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **20 Buildings**
- **44 Miles of Trails**
- **3 Housing Units***
- **3 Miles of Unpaved Roads**
- **4 Water Systems**
- **3 Miles of Paved Roads**
- **60 All Other Assets†**
- **3 Campgrounds**
- **44 Miles of Trails**
- **3 Miles of Unpaved Roads**
- **4 Water Systems**
- **3 Miles of Paved Roads**
- **60 All Other Assets†**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, maintained landscapes, boundaries, utility systems, monuments, maintained archeological sites, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $1 M annual Routine Maintenance requirement in addition to the costs shown above.

Paved Roads & Structures and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$4 M for Paved Roads & Structures**
- **$1 M for Buildings**
- **$4 M for all remaining asset categories**

Driven by maintained landscapes ($1 M) and trail bridges ($1 M)

Paved Roads & Structures includes paved roadways and paved parking areas.
Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost†</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFLHD Pavement Pres (MANA and PRWI)</td>
<td>$1,000,000</td>
</tr>
</tbody>
</table>

†Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

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3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
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Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- 28 Buildings
- 7 Miles of Trails
- 1 Housing Unit*
- 3 Miles of Unpaved Roads
- 0 Water Systems
- < 1 Mile of Paved Roads
- 18 All Other Assets†
- 0 Campgrounds
- 0 Waste Water Systems

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include maintained landscapes, monuments, maintained archeological sites, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $176 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Trails have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- $4 M for Buildings
- $764 K for Trails
- $2 M for all remaining asset categories

Driven by maintained landscapes ($1 M) and paved roads ($740 K)

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Monocacy National Battlefield does not have any projects in the formulated lists released publicly.†

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **154** Buildings
- **39 Miles** of Trails
- **4** Campgrounds
- **12 Miles** of Unpaved Roads
- **3** Waste Water Systems
- **92 Miles** of Paved Roads
- **0** Housing Units*
- **2** Water Systems
- **126** All Other Assets†

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, maintained landscapes, utility systems, constructed waterways, marinas, monuments, maintained archeological sites, fortifications, and amphitheaters.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $204 M**
- **Deferred Maintenance $195 M**

There is also a **$5 M annual Routine Maintenance** requirement in addition to the costs shown above.

Paved Roads & Structures and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$103 M** for Paved Roads & Structures
- **$19 M** for Buildings

Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluate Anacostia Park Seawall and Complete Interim Safety Repairs</td>
<td>$448,000</td>
</tr>
<tr>
<td>Correct Stormwater Erosion at Fort Washington Ravine</td>
<td>$425,000</td>
</tr>
<tr>
<td>Stabilize and Repair the Barn at Piscataway Park</td>
<td>$310,000</td>
</tr>
<tr>
<td>Replace Culvert and Repair Dogwood Trail at Greenbelt Park</td>
<td>$90,000</td>
</tr>
</tbody>
</table>

1 Carter G. Woodson Home National Historic Site, Fort Washington Park, Frederick Douglass National Historic Site, Greenbelt Park, Mary McLeod Bethune Council House National Historic Site, and Piscataway Park are included as they are co-managed with National Capital Parks - East.
4 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
5 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
6 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **4 Buildings**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Miles of Paved Roads**
- **0 Housing Units**
- **0 Water Systems**
- **0 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†There are no other asset categories at National Capital Regional Office.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $34 M**
  - **Capital Improvement $15 M**
  - **Deferred Maintenance $19 M**
  - **Other Facility Maintenance $37 K**

There is also a **$88 K annual Routine Maintenance requirement in addition to the costs shown above.**

Buildings have the highest **estimated maintenance needs** by asset category at the park. The figure below does not include the cost of Routine Maintenance.

**$34 M for Buildings**

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
National Capital Regional Office does not have any projects in the formulated lists released publicly.

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3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5. This includes projects in the following fund sources: Recreation Fee Revenue (FY 2021 Congressional Justification), Repair/Rehabilitation (FY 2021 – 2025), Line Item Construction (FY 2021 – 2025), and Federal Lands Transportation Program (FY 2020 – 2021).
**Infrastructure Inventory**

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **76 Buildings**
- **0 Miles of Trails**
- **0 Housing Units**
- **< 1 Mile of Unpaved Roads**
- **2 Water Systems**
- **177 All Other Assets**
- **1 Waste Water System**
- **19 Miles of Paved Roads**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include trail bridges, maintained landscapes, utility systems, dams, marinas, ships, monuments, interpretive media, and amphitheaters.

**Estimated Maintenance Needs**

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $892 M**
- **Deferred Maintenance $655 M**
- **Capital Improvement $203 M**
- **Other Facility Maintenance $34 M**

There is also a **$11 M annual Routine Maintenance** requirement in addition to the costs shown above.

**Paved Roads & Structures** and **Buildings** have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$57 M for Paved Roads & Structures**
- **$33 M for Buildings**
- **$802 M for all remaining asset categories**

Driven by marinas ($449 M) and maintained landscapes ($260 M)

*Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

**Project Funding**

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost $</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Elevator and Install Walkways at Thomas Jefferson Memorial</td>
<td>$4,500,000</td>
</tr>
<tr>
<td>Jefferson Drive and 15th St Resurfacing</td>
<td>$4,248,000</td>
</tr>
<tr>
<td>Ohio Drive and West Basin Drive Resurfacing</td>
<td>$2,810,000</td>
</tr>
<tr>
<td>Repoint and Recaulk Japanese American Memorial</td>
<td>$779,000</td>
</tr>
<tr>
<td>Rehabilitate Structure No 3400-034P Maine Ave Bridge Repair</td>
<td>$6,000</td>
</tr>
</tbody>
</table>

1 Belmont-Paul Women’s Equality National Monument, Constitution Gardens, Franklin Delano Roosevelt Memorial, Korean War Veterans Memorial, Lincoln Memorial, Martin Luther King, Jr. Memorial, National Capital Parks - Central, Pennsylvania Avenue National Historic Site, Thomas Jefferson Memorial, Vietnam Veterans Memorial, Washington Monument, World War I Memorial, and World War II Memorial are included as they are co-managed with National Mall and Memorial Parks.


4 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.

5 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.

6 Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **41 Buildings**
- **0 Miles of Trails**
- **0 Housing Units**
- **0 Campgrounds**
- **0 Miles of Unpaved Roads**
- **4 Water Systems**
- **0 Waste Water Systems**
- **4 Miles of Paved Roads**
- **24 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

All Other assets include maintained landscapes and monuments.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $43 M**
- **Deferred Maintenance $37 M**
- **Capital Improvement $5 M**
- **Other Facility Maintenance $1 M**

There is also a $441 K annual Routine Maintenance requirement in addition to the costs shown above.

Buildings and Paved Roads & Structures have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$27 M for Buildings**
- **$5 M for Paved Roads & Structures**
- **$11 M for all remaining asset categories**

Driven by monuments ($5 M) and maintained landscapes ($4 M)

Paved Roads & Structures includes paved roadways and paved parking areas.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upgrade Utilities Project F</td>
<td>$6,959,000</td>
</tr>
<tr>
<td>Replace White House Promenade Roof</td>
<td>$5,994,000</td>
</tr>
<tr>
<td>Repair Ornamental Fountains at Lafayette Park and White House Grounds</td>
<td>$5,774,000</td>
</tr>
<tr>
<td>Repair Building Settement and Watermarks on East Wing</td>
<td>$1,041,000</td>
</tr>
</tbody>
</table>

1. Note that White House visitor statistics and economic benefits are included in President’s Park (White House).
4. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
5. Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
6. Cost estimates for projects are dependent on the current phase and size of each project’s scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.

EXPERIENCE YOUR AMERICA™

The National Park Service cares for special places saved by the American people so that all may experience our heritage.
Infrastructure Inventory
The figures below show the park's real property inventory by asset category as of the end of FY 2018.

- **270 Buildings**
- **29 Miles of Trails**
- **6 Housing Units**
- **22 Miles of Unpaved Roads**
- **9 Water Systems**
- **15 Waste Water Systems**
- **14 Miles of Paved Roads**
- **53 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include maintained landscapes, utility systems, dams, constructed waterways, marinas, interpretive media, and amphitheaters.

Estimated Maintenance Needs
The chart below summarizes the park's outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $3 M annual Routine Maintenance requirement in addition to the costs shown above.

Paved Roads & Structures and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

<table>
<thead>
<tr>
<th>Paved Roads &amp; Structures</th>
<th>Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>$11 M for Paved Roads &amp; Structures</td>
<td>$5 M for Buildings</td>
</tr>
</tbody>
</table>

*Paved Roads & Structures includes paved roadways, paved parking areas, and bridges.
Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Camp 3 Sewer System</td>
<td>$848,000</td>
</tr>
<tr>
<td>Rehabilitate Three Historic Structures in Cabin Camp 1</td>
<td>$212,000</td>
</tr>
</tbody>
</table>

3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
4 Routine Maintenance represents modeled costs for recurring maintenance derived from NPS Operations and Maintenance cost models.
5 Cost estimates for projects are dependent on the current phase and size of each project's scoping and costing process. Planning for larger, more complex projects requires a longer lead time and preconstruction activities may be funded separately. These estimates continue to be refined as scoping and design is completed and the project moves toward execution. Costs are rounded to the nearest thousand.
Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **51 Buildings**
- **42 Miles of Trails**
- **2 Housing Units** *
- **2 Miles of Unpaved Roads**
- **0 Campgrounds**
- **0 Waste Water Systems**
- **23 Miles of Paved Roads**
- **160 All Other Assets** †

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include trail bridges, maintained landscapes, utility systems, dams, marinas, monuments, maintained archeological sites, and amphitheaters.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a $4 M annual Routine Maintenance requirement in addition to the costs shown above.

Paved Roads & Structures and Buildings have the highest estimated maintenance needs by asset category at the park. The figures below do not include the cost of Routine Maintenance.

- **$41 M for Paved Roads & Structures**
- **$10 M for Buildings**
- **$32 M for all remaining asset categories** Driven by maintained landscapes ($23 M) and amphitheaters ($6 M)

1Paved Roads & Structures includes paved roadways, paved parking areas, bridges, and tunnels.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows examples of projects in the current funding stream. Not all estimated maintenance needs are captured in the projects below.

<table>
<thead>
<tr>
<th>Projects in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rehabilitate Thompson’s Boating Center Seawall</td>
<td>$35,502,000</td>
</tr>
<tr>
<td>Reconstruction Piney Branch</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>Rehabilitate P Street Bridge</td>
<td>$1,598,000</td>
</tr>
<tr>
<td>Rehab Glover Road 19(1) combine with below</td>
<td>$1,500,000</td>
</tr>
<tr>
<td>Rehabilitate Kalmia Road Bridge</td>
<td>$796,000</td>
</tr>
</tbody>
</table>

3Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
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Infrastructure Inventory

The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **Buildings**: 2
- **0 Campgrounds**
- **0 Waste Water Systems**
- **0 Miles of Trails**
- **0 Miles of Unpaved Roads**
- **0 Water Systems**
- **0 Housing Units**
- **0 Miles of Paved Roads**
- **2 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.

†All Other assets include utility systems.

Estimated Maintenance Needs

The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

There is also a **$28 K annual Routine Maintenance** requirement in addition to the costs shown above.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding

Stephen T. Mather Training Center does not have any projects in the formulated lists released publicly.

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3 Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
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Infrastructure Inventory
The figures below show the park’s real property inventory by asset category as of the end of FY 2018.

- **22 Buildings**
- **4 Miles of Trails**
- **< 1 Mile of Unpaved Roads**
- **2 Waste Water Systems**
- **0 Housing Units**
- **1 Water System**
- **13 All Other Assets**

*Housing is defined as residential structures and trailer pads that are associated with the NPS Employee Housing Program whereby rent is collected.
†All Other assets include trail bridges, maintained landscapes, utility systems, and interpretive media.

Estimated Maintenance Needs
The chart below summarizes the park’s outstanding estimated maintenance needs as of the end of FY 2018.

- **Total Need $42 M**
- **Deferred Maintenance $34 M**
- **Capital Improvement $7 M**
- **Other Facility Maintenance $526 K**

There is also a $386 K annual Routine Maintenance requirement in addition to the costs shown above.

### Buildings and Paved Roads & Structures

- **$27 M for Buildings**
- **$10 M for Paved Roads & Structures**
- **$5 M for all remaining asset categories**

Driven by maintained landscapes ($3 M) and waste water systems ($2 M)

Paved Roads & Structures includes paved roadways, paved parking areas, and tunnels.

Note: Estimated maintenance needs may not sum exactly to the total need due to rounding.

Project Funding
Project funding will help the park address its outstanding estimated maintenance needs described above. The table below shows an example project in the current funding stream. Not all estimated maintenance needs are captured in the project below.

<table>
<thead>
<tr>
<th>Project in Current Funding Stream</th>
<th>Estimated Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replace Water Heaters at Filene Center</td>
<td>$336,000</td>
</tr>
</tbody>
</table>

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3. Total Need includes deferred maintenance, other facility maintenance (such as corrective and emergency maintenance, component renewal, and demolition work that is not deferred), and capital improvement. The data is from work identified in the Facility Management Software System (FMSS) as of the end of FY 2018. Total need does not include annual recurring maintenance needs. Estimated project execution costs, such as compliance and design, are included only for paved roadways, paved parking areas, bridges, and tunnels.
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