Mammoth Cave National Park

CYCLIC REPLACEMENT OF DETERIORATING VISITOR CENTER AREA CARPET

PMIS #258893

DATED: 12/1/2025

NATIONAL PARK SERVICE

SOUTHEAST REGION

DIVISION 01 - SHORT FORM GENERAL REQUIREMENTS

PART 1 – GENERAL

ITEM 1 – DESCRIPTION OF WORK

1.1 Background:

As a result of constant use, the existing carpet has become significantly worn and deteriorated. This project will replace the carpet to improve durability, cleanliness, and overall visitor experience, while modernizing the appearance of the facility.

1.2 The Contractor shall furnish all labor, supervision, materials, equipment and services required to remove and replace existing carpet flooring in the Visitor Center Exhibits Area (approximately 2,300 square feet).

1.3 Work Covered by the Contract Documents:

Project Location: Mammoth Cave Visitor Center, Exhibits area. 1 Mammoth Cave Parkway, Mammoth Cave, KY 42259.

Scope of Work:

- Contractor shall remove, protect, and store benches, non-attached display cases, and any free-standing furnishings within the work area.
- Contractor shall document original locations prior to removal.
- Contractor shall reinstall all removed items in their exact original locations upon completion of flooring installation.
- Any damage to furnishings during removal, storage, or reinstallation shall be repaired or replaced at no cost to the Government.
- Remove existing carpet flooring (approx. 2300 square feet), Vinyl wall baseboard (approx. 290 linear feet), threshold/transition strips (approx. 63 linear feet), and stair nosing strip (approx. 22 linear feet).
- Existing railings and permanently anchored exhibit displays shall remain in place. Removal, loosening, unbolting, cutting, shifting, or modification of any railing system, exhibit fixture, base plate, anchor bolt, electrical conduit, speaker wiring, or structural anchorage component is strictly prohibited under this contract. Contractor shall field-cut carpet tiles to fit around all fixed and anchored components.
- Dispose of removed carpet in accordance with EPA and local landfill protocols
- Inspect and prepare concrete subfloor including:
    - Removal of all adhesive residues
    - Repair and patch any cracks or spalls with cementitious floor patch (ASTM C109 compliant)

    - Perform moisture testing prior to installation to ensure flooring compatibility and provide COR with results and approval before installation.

- Mechanically clean subfloor surface for direct installation.
- Install 2'x2' carpet tiles per manufacturer's specifications with appropriate adhesive.
    - Maintain carpet tile layout and blending to reduce visibility of seams.
    - Replacement carpet tiles shall be of similar commercial grade, color tone, and pattern to maintain a consistent and professional appearance within the Visitor Center.
    - Carpet tile layout shall be installed in a monolithic (non-directional) pattern, unless otherwise approved by the COR.
    - Tiles shall be installed to ensure consistent appearance, proper alignment, and minimal visible seams.
    - Maintain seam alignment and tight joints.
    - Ensure seam alignment and tight joints per CRI 104/105 standards.
    - Carpet tiles should be commercial grade, CRI Green Label Plus, Class I (ASTM E648).
    - Final color and pattern selection shall be submitted to the COR for approval prior to installation.
- Adhesive shall be manufacturer approved, low-VOC, CRI Green Label Plus compliant.
    - Adhesives shall be compatible with moisture levels confirmed under ASTM F2170/F1869 testing.
    - Entire surface shall be rolled with 75-100 lb roller in accordance with manufacturer's requirements.
- Install 4" vinyl or rubber cove base at perimeter walls per manufacturer's specifications using appropriate adhesive or fasteners.
- Install stair nosing strips per manufacturer's specifications with appropriate adhesive or fasteners.
- Install ADA-compliant rubber/aluminum transition strips at all thresholds per manufacturer's specifications with appropriate adhesive or fasteners.
- Perform carpet rolling to press tiles adhesive evenly.
- Maintain accessibility in adjacent spaces throughout duration of work.
- Maintain barriers, caution tape, cones, etc. to prevent public entry into worksite.
- Follow all OSHA 29 CFR 1926, ANSI, and manufacturer standards.

1.4 Period of Performance:
Work to be completed within 40 calendar days of NTP (Notice to Proceed).

1.5 Contract Authority:

Only the Contracting Officer (CO) has the authority to make changes to the contract terms, conditions, or scope of work.

The Contracting Officer's Representative (COR) may provide technical direction and coordination but shall not authorize changes that affect cost, schedule, or contract requirements.

ITEM 2. Temporary Services

2.1 The contractor shall be responsible for providing all necessary temporary utilities, including:

- Power for tools and equipment, if additional power is required beyond existing visitor center infrastructure.
- Temporary dust control measures to prevent contamination of old carpet residue.

2.2 Contractor must ensure that all temporary services meet NPS environmental and safety standards.

ITEM 3. Contractor's Use of Premises

3.1 Because the work is taking place in the Visitor Center, the highest visitation area in the park, all construction activities shall be carefully scheduled to avoid peak visitor use periods.

3.2 The park has determined that the targeted construction window will be in the early spring months, with work commencing during evening hours to further minimize impacts to visitors.

3.3 Work shall be conducted in a manner that minimizes disruption to visitor center operations.

3.4 All work areas must be clearly marked and secured to prevent unauthorized access.

3.5 No equipment, tools, or materials shall be left unattended in public areas.

3.6 The contractor shall be responsible for daily cleanup and removal of debris from the worksite.

3.7 Contractor shall comply with all park rules including restrictions on signage, waste, and conduct.

3.8 Public access must not be disrupted. All areas under work shall be appropriately barricaded.

3.9 Visitor Center hours are **8 AM–6:30 PM, Sunday through Saturday**.

3.10 The contractor shall work with the COR to determine the work hours that best suit the contractor's personnel while also respecting the operating hours of the Mammoth Cave Visitor Center.

3.11 One service bay and designated exterior staging area (as identified by the COR) may be used for storage.

3.12 All tools and materials must be removed at end of each workday from public-facing spaces.

3.13 Work outside normal Visitor Center operation hours (8:00 AM – 6:30PM) is anticipated to minimize visitor disruption.

Any work performed outside these hours, including evenings, weekends, or holidays, shall require prior approval from the Contracting Officer (CO) with a minimum of 24 hours' advance notice. Route requests through the Contracting Officer's Representative.

ITEM 4. Commencement, Prosecution, and Completion of Work

4.1 The contractor shall commence work within 10 business days of receiving the Notice to Proceed (NTP).

4.2 All work shall be completed within 40 calendar days from the issuance of the NTP.

4.3 The Contractor must integrate all lead times and material coordination into their baseline schedule and inform the Contracting Officer's Representative if there is an unforeseen issue that would cause a delay in delivery, as soon as possible.

ITEM 5. Examination of the Site

5.1 Prior to submitting a bid, the contractor shall visit the site to assess the existing site conditions, including flooring, access constraints, and work area limitations.
The contractor shall:

- Coordinate with the COR to schedule a site visit.
- Verify access routes and work areas.
- Identify any constraints that could impact the project schedule or execution.
- Account for all necessary safety measures and accessibility requirements.

5.2 **Failure to examine the site shall not be grounds for contract modification.**

ITEM 6. Abbreviations

6.1 The following abbreviations apply to this contract:

- **NPS** – National Park Service
- **COR** – Contracting Officer's Representative
- **OSHA** – Occupational Safety and Health Administration
- **ABA** – Architectural Barriers Act

- **ANSI** – American National Standards Institute
- **PPE** – Personal Protective Equipment

ITEM 7. Accident Prevention and Safety Requirements

7.1 The contractor shall comply with all applicable OSHA, ANSI, and NPS safety regulations, including:

- OSHA 29 CFR 1926 for construction safety.
- ANSI Z87.1 for eye protection, ANSI Z89.1 for head protection, and ANSI A92 for fall protection if work requires working at heights.
- Conducting a Job Hazard Analysis (JHA) before work begins.
- Providing and enforcing the use of appropriate PPE for all workers.
- Maintaining an emergency response plan on-site, including first aid and fire prevention procedures.

ITEM 8. Preconstruction Conference

8.1 A preconstruction conference shall be held no later than 5 business days before the start of work. The contractor, COR, and key personnel shall attend to discuss:

- Project schedule and milestones.
- Subcontractor list.
- Site access and staging areas.
- Safety and accident prevention requirements.
- Coordination with visitor center operations.

8.2 **The contractor shall submit a work plan and safety plan for COR approval before the meeting.**

ITEM 9. Submittals

9.1 The contractor shall submit the following for approval:

- Work Schedule – Within 10 business days of the NTP.
- **INTENDED CARPET SQUARES PRODUCT DATA INFORMATION and SAMPLES**
- Product data for any modified components

9.2 All submittals shall be transmitted using **CM-16** forms and submitted electronically in PDF format.

ITEM 10. Exhibit Access and Daily Housekeeping Requirements

10.1 General Intent

- The intent of this section is to ensure that Visitor Center exhibits remain open, safe, and accessible to the public during all non-working hours.
- The National Park Service (NPS) requires that all circulation routes and exhibit areas remain unobstructed when construction is not actively underway.

10.2 Daily Housekeeping Requirements

1. At the end of each workday, the Contractor shall clean, organize, and secure all tools, equipment, and materials associated with the work.
2. All walkways, egress routes, and circulation paths around Visitor Center exhibits shall remain free of debris, tools, cords, materials, or obstructions at all times outside active work hours.
3. Housekeeping shall be performed to meet all applicable fire code and life safety requirements.

10.3 Exhibit Access Requirements

1. Exhibits within the Visitor Center must remain operational and accessible to visitors during Contractor's non-working hours.
2. The Contractor shall coordinate sequencing and housekeeping activities to minimize disruption to exhibit use and visitor experience.

ITEM 11. Warranties

11.1 **Description of Warranty Coverage**

- The contractor shall provide minimum one (1) year warranty on installation workmanship from date of final acceptance.
- Manufacturer warranty per product data.
- The contractor shall be responsible for repairing or replacing any defective components, or improper installation issues within the specified warranty periods, at no additional cost to the National Park Service. Any warranty work shall be scheduled within 5 business days of written notification from the Contracting Officer's Representative (COR), unless otherwise approved.
- At the completion of the project, the contractor shall provide a written warranty statement, including contact information for technical support and service requests, along with a documented schedule for preventive maintenance recommendations.

ITEM 12. Project Closeout

12.1 Prior to final acceptance, the contractor shall:

- Remove all equipment, tools, and debris from the site.
- Submit all required submittals and as-built documentation to the COR.
- Restore all equipment, access panels, labeling, and enclosures.

12.2 **The COR and contractor's Project Manager will conduct a final inspection before project acceptance, and contractor shall correct all punch list items within 10 calendar days.**

PART 2 – EXECUTION

Phase 1 – Demolition & Preparation

- Remove all tile carpet, non-attached displays, benches, and obstructions.
- Carefully cut carpet flush at rail posts and displays anchor points during removal to prevent damage to hardware.
- Protect all metal railing and anchored displays components with protective barrier and/or wrap.
- Address any cracks (ASTM C109), test moisture (ASTM F2170/F1869), confirm flatness (ASTM F710). Subfloor shall meet flatness tolerance of 1/8 inch in 10 feet prior to installation.

Phase 2 – Layout & Precision Cutting

- Conduct dry layout to confirm tile alignment around fixed obstructions.
- Maximum allowable gap between carpet tile edge and fixed obstructions shall not exceed 1/8".
- Scribe and field cut tiles using heavy-duty straight edge and commercial carpet knife.
- Seal all cut edges per manufacturer recommendations to prevent unraveling.
- Confirm proper fit prior to adhesive application.

Phase 3 – Installation

- Install 2x2 carpet tiles.
- Press carpet tiles firmly into adhesive and roll entire surface.

Phase 4 – Cove Base and Transitions

- Attach 4" cove base and ADA-compliant thresholds.
- Install threshold and nosing.

- Place all non-anchored displays, benches, and removed items.

Phase 5 – Final Cleaning & Punch List

- Remove all debris.
- Clean carpet with neutral cleaner only.
- Punch list resolution required.
- Warranty contact info in writing
- Maintenance recommendations from the manufacturer for long-term care.

PART 3 – PICTURES

(1) Picture of dirty and/or damaged carpet with railing and stair nosing strips.

(2) Picture of dirty carpet and vinyl or rubber cove base.

(3) Old and dirty carpet at the entrance of the exhibits.