

**ACCESSIBILITY SELF-EVALUATION AND
TRANSITION PLAN
OZARK NATIONAL SCENIC RIVERWAYS
MISSOURI**

MAY 2020

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EXECUTIVE SUMMARY

Ozark National Scenic Riverways' Accessibility Self-Evaluation and Transition Plan (SETP) includes findings from the self-evaluation process, as well as a plan for improving accessibility parkwide. The goals of the plan are to 1) document existing park barriers to accessibility for people with disabilities, 2) provide an effective approach for upgrading facilities, services, activities, and programs, and 3) instill a culture around creating universal access.

The Accessibility Self-Evaluation and Transition Plan resulted from the work of a National Park Service (NPS) interdisciplinary team, including planning, design, and construction professionals; and interpretive, resource, visitor safety, maintenance, and accessibility specialists. Site plans, photographs, and specific actions for identified park areas were developed. Associated time frames and implementation strategies were established to assist NPS park staff in scheduling and performing required actions and to document completed work. Park policies, practices, communication, and training needs were also addressed.

The following are the key park experiences and associated park areas addressed in the transition plan:

- 1) **Experience the unique Karst-based hydrogeological system.** – Alley Spring, Big Spring, Park Headquarters, Pulltite, Rocky Falls, Round Spring, Two Rivers
- 2) **Enjoy 134 miles of clear, free-flowing rivers.** – Akers, Alley Spring, Big Spring, Buck Hollow, Park Headquarters, Pulltite, Round Spring, Shawnee Creek, Two Rivers, Waymeyer/Chilton Creek Access
- 3) **Appreciate the high-quality ecosystems and endemic species of the Ozarks.** – Akers, Alley Spring, Big Spring, Buck Hollow, Park Headquarters, Pulltite, Rocky Falls, Round Spring, Shawnee Creek, Two Rivers, Waymeyer/Chilton Creek Access
- 4) **Learn about the rich cultural history of the Current and Jacks Fork Rivers.** – Akers, Alley Spring, Big Spring, Buck Hollow, Park Headquarters, Pulltite, Rocky Falls, Round Spring, Two Rivers
- 5) **Explore the outstanding river and outdoor recreation experiences including hunting, fishing, horseback riding, hiking, floating, boating, and camping.** – Akers, Alley Spring, Big Spring, Buck Hollow, Park Headquarters, Pulltite, Rocky Falls, Round Spring, Shawnee Creek, Two Rivers, Waymeyer/Chilton Creek Access

Overall, similar services, activities, and programs were found throughout park areas, as were assessment findings for physical and program accessibility.

PHYSICAL ACCESSIBILITY

Recurring findings were generally identified for parking areas, accessible paths of travel, outdoor recreation routes, hiking trails, and visitor information areas, such as kiosks, bulletin boards, interpretive panels and waysides. These findings included surfaces that were not firm and stable, and slopes that exceeded allowable standards. Some restroom features did not meet required standards, and mechanisms to open trash and recycling receptacles exceeded allowable poundage for operation. Amenities offered for picnicking and camping, such as tables, fire rings, and water spigots, did not always meet appropriate access route and clearance standards. Some signage was also missing, had illegible content, or had insufficient or misplaced information.

Other physical access issues where improvements are recommended include providing access for unique experiences in the park and upgrading trailhead areas. Improved access to the boat tour launch at Big Spring and viewing areas of Round Spring include providing stairs with uniform treads, risers, and handrails. As well, provide interpretive waysides that display park and resource information in accessible locations. Trailhead improvements include updating signage to provide visitors with specific information on trails distances and widths, slopes and lengths of slopes, and surface material, composition, and conditions to enable them to decide for themselves how accessible the trail may be. Assessments for trails not specifically identified in this plan will need to be conducted in the future. Refer to Appendix H: "Trail Assessment Protocol" for additional information on how hiking trails are assessed and what standards apply.

PROGRAM ACCESSIBILITY

Recurring findings related to meeting program accessibility requirements under Architectural Barriers Act Accessibility Standards (ABAAS) and the Harpers Ferry Center (HFC) Programmatic Accessibility Guidelines included font and contrast issues at interpretive waysides that require modifications to meet size and readability standards. In general, interpretive panels, waysides, publications, videos, and self-guided tours did not have alternate formats in braille, large print, open captioning, or audio or electronic formats. Assistive listening devices were not available at the visitor center for people with hearing loss. Audio description for ranger-led interpretive tours and self-guided tours that describe visual elements to persons with low or no vision were also not available. Tactile exhibits were limited.

Specific program areas that would better serve visitors with increased accessibility include provide alternative formats for the Round Spring Cave tour and interpretive displays at Park Headquarters.

PARKWIDE ACCESSIBILITY

Some of the more noteworthy parkwide accessibility challenges that were discussed by the planning team during the self-evaluation and assessment process include: beach and river access, concession operations, and program access.

It is recommended that the park employ trained consultants to assist in determining how best to address accessibility improvements parkwide and to ensure that design and implementation of alternate format programs meet the needs of the intended audiences. Notify visitors through signage placed in appropriate locations and in park publications that alternative formats are available.

Creating parkwide accessibility requires staff awareness, understanding, and appropriate action. The assessment process served as a field training tool that increases staff knowledge and commitment toward embracing accessibility as a core park value. Continued training in physical and programmatic access requirements for all park staff, particularly those in maintenance and interpretation, is strongly advised.

Because of fiscal constraints and limited park resources, staff will need to determine which park area improvements will benefit the greatest numbers of park visitors with disabilities. Suggested implementation time frames and relative costs need to be factored into all accessibility investment decisions.

Ozark National Scenic Riverways strives to be inclusive and welcoming. The self-evaluation process identified a number of strengths. There is an increased general awareness among park staff of accessibility needs and requirements. The park's strong commitment to accessibility is evident in how facilities are being retrofitted and how the construction and maintenance program continues to upgrade services and amenities, particularly at parking areas, restrooms, and historic structures.

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INTRODUCTION

Since 1916, the National Park Service (NPS) has preserved, unimpaired, the natural and cultural resources and values of the national park system, while also providing for the enjoyment, education, and inspiration of current and future generations.

Many of our national parks were founded because of their stunning views, extreme and unique geography, challenging and sensitive natural environments, and historic and fragile structures. This park, Ozark National Scenic Riverways, and other parks exist because of their history and resources. The NPS mission balances protection of resources (both natural and cultural) with visitation. Facilities, services, activities, and programs were designed and built within parks to accommodate our visitors and help them better understand each park purpose and significance.

Many facilities were constructed prior to the passage of laws and policies that reflect the commitment of the National Park Service to provide access to the widest cross section of the public and to ensure compliance with the Architectural Barriers Act of 1968, the Rehabilitation Act of 1973, the Equal Employment Opportunity Act of 1972, and the Americans with Disabilities Act of 1990 (42 USC 12207). The accessibility of commercial services within national parks is also governed by all applicable federal laws. After 100 years of operation, the National Park Service continues to work toward a more inclusive environment. The more than 400 park units that comprise the national park system today include not only the large western parks, for which the agency is well known, but also nationally significant urban parks, historic sites, monuments, parkways, battlefields, and a diversity of other park types across the country.

For a century, the National Park Service has been a leader in connecting people to both our natural and cultural heritage. Visitors today have different needs and expectations, and the agency must adapt to meet these changing demands. Modern scientific research and visitor trend analysis provide new insight into accessibility opportunities and challenges in the national park system. There are approximately 60 million people with disabilities in the United States today, and the number is expected to rise to 71 million in upcoming years as more baby boomers reach retirement age (people 65 and older). This information helps the National Park Service understand changing visitation patterns, the nexus between resource stewardship and accessibility, and the impacts of managing visitors, resources, and infrastructure against the threat of decreased funding. Adequate planning can identify solutions to challenges and provide services with the knowledge and understanding that serves as a trajectory full of opportunity for current and future visitors. The National Park Service is committed to making NPS facilities, programs, services, and employment opportunities accessible to all people, including those with disabilities.

Ozark National Scenic Riverways existing general management planning documents continue to provide relevant guidance, which may be supplemented through development of additional planning documents, such as this one. The Accessibility Self-Evaluation and Transition Plan is a component of the park's planning portfolio and fulfills park planning for documentation of existing park barriers to accessibility for people with

disabilities and provides an effective approach for upgrading facilities, services, and activities. This plan is consistent with the general guidance of the 2015 GMP and helps the park to better meet the statutory requirements of 54 USC 100502, specifically the requirement to address types and general intensities of development.

OZARK NATIONAL SCENIC RIVERWAYS DESCRIPTION

Ozark National Scenic Riverways (National Riverways) was established by an Act of Congress in 1964 (Public Law 88-492) to conserve and interpret unique scenic and other natural values and objects of historic interest, including preservation of portions of the Current and Jacks Fork Rivers in the Ozark Highlands of southeastern Missouri, in Shannon, Carter, Dent, and Texas counties. Within its boundaries are approximately 80,785 acres of river, forest, open field, and glade environments. Of that, 51,654 acres are federal, and 29,131 acres are in nonfederal ownership.

The National Riverways includes portions of the Current and Jacks Fork Rivers, providing 134 miles of clear, free-flowing, spring-fed waterways. Much of the area is underlain by dolomite that has given rise to numerous sinkholes, caves, and springs representative of classical karst topography. Up to 90% of the combined flow of the Current and Jacks Fork Rivers comes from springs, which account for their year-round, sustained flows. Big Spring, one of the largest springs in the United States, has an average flow of approximately 287 million gallons of water per day. The impressive hydrogeologic character of the National Riverways' karst landscape supports an amazing variety of natural features, including a spring system unparalleled in North America. The cave system is equally impressive with one of the highest densities of caves in any national park.

The National Riverways lies within the Ozark Highlands, an important center of biodiversity in North America. The Ozark Highlands are home to a rich array of wildlife and plants, including endemic species that exist nowhere else in the world. The Current and Jacks Fork Rivers have been designated as Outstanding National Resource Waters in Missouri.

The National Riverways also contains a broad range of cultural resources, including prehistoric sites associated with thousands of years of American Indian use and occupation of the area, and later 19th century structures and sites, such as mills and farms that reflect the patterns of settlement and the economic activities of early European American pioneers. The National Riverways features archeological and historic structures, landscapes, and objects that provide insight to early inhabitants of Ozark Highlands. Significant examples of buildings and structures built by the Civilian Conservation Corps during the 1930s are present, and several of the National Riverways' historic properties are listed in the National Register of Historic Places.

The extraordinary resources of the National Riverways provide outstanding recreational opportunities and experiences on and along free-flowing rivers. The Current and Jacks Fork Rivers provide excellent recreational opportunities that include, but are not limited to, boating, canoeing, tubing, swimming, fishing, and sightseeing. Visitors also enjoy hiking, backpacking, hunting, and horseback riding.

OZARK NATIONAL SCENIC RIVERWAYS PURPOSE AND SIGNIFICANCE STATEMENTS

In 2016, Ozark National Scenic Riverways completed a foundation document. Foundation documents provide basic guidance for planning and management decisions by identifying the park purpose, significance, and fundamental resources and values. The Ozark National Scenic Riverways foundation plan identifies special mandates and administrative commitments and provides an assessment and prioritization of park planning and data needs. Understanding these elements helps set the stage for appropriately integrating accessibility into the overall park priorities and plans. The following foundation elements were identified for Ozark National Scenic Riverways.

Park Purpose

The purpose of Ozark National Scenic Riverways is to:

- preserve and protect in an unimpaired condition the unique scenic and natural values, processes, and unspoiled setting derived from the clean, free-flowing Current and Jacks Fork Rivers, springs, caves, and their karst origins
- provide for and promote opportunities for the scientific and public understanding of the natural and cultural resources
- offer opportunities for understanding and appreciating the human experience associated with the Ozark Highlands landscape
- provide for uses and enjoyment of the outdoor recreation opportunities consistent with the preservation of the park unit's resources

Park Significance

The following significance statements have been identified for Ozark National Scenic Riverways. (Please note that the sequence of the statements does not reflect the level of significance.)

- The impressive hydrogeologic character of the Ozark National Scenic Riverways' karst landscape supports an amazing variety of natural features, including a spring system that is world-class and unparalleled in North America. The park unit features the largest spring in the national park system, 5 first-magnitude springs and spring complexes (discharge rate of 100 cubic feet of water per second), and more than 425 springs parkwide. The cave system is equally impressive, with 402 documented caves within the park unit boundary—one of the highest densities of any national park system unit.
- Ozark National Scenic Riverways contains 134 miles of clear, free-flowing, spring-fed rivers. These include the Jacks Fork and Current Rivers, which are two of only three Outstanding National Resource Waters in Missouri.

- The ancient Ozark Highlands are an important center of biodiversity in North America, including numerous endemic species that are found nowhere else in the world. The large variety of species found within Ozark National Scenic Riverways is due to the rich array of aquatic, terrestrial, and subterranean habitats concentrated within its river corridors.
- Ozark National Scenic Riverways features archeological sites, historic structures, objects, and landscapes that reflect more than 12,000 years of people living along, adapting to, and interacting with these Ozark Highlands rivers.
- The complex and dynamic natural resources and systems of the Ozark National Scenic Riverways provide for outstanding, high-quality recreational experiences on and along free-flowing rivers.

ACCESSIBILITY SELF-EVALUATION AND TRANSITION PLAN

The creation of a transition plan is mandated by regulations under the Rehabilitation Act of 1973, as they apply to the US Department of the Interior, which states that “No otherwise qualified handicapped individual in the United States . . . shall, solely by reason of his handicap, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal assistance.” It specifically requires parks to document architectural barriers, solutions, and time frames for making improvements to increase accessibility.

This Accessibility Self-Evaluation and Transition Plan has been prepared to provide Ozark National Scenic Riverways a tool for addressing overall needs associated with making the park accessible when viewed in its entirety. The plan is based on an understanding of key park experiences and establishes a methodical process that identifies, prioritizes, and outlines improvements to park accessibility. The plan proposes strategies for implementation over time and in a manner consistent with park requirements and protocols.

All key park experiences and all park areas were identified to ensure that all park programs were considered in the plan. Park areas were then evaluated against measurable criteria to determine which would be assessed for purposes of the plan. Each park area assessed was evaluated to identify barriers that prevented participation in park programs, and the best manner in which access could be improved. In some situations, it is not reasonably practicable to create physical or universal design solutions. A transition plan was drafted documenting the barriers and setting forth a strategy for removing them.

IMPLEMENTATION OF THE PLAN

One of the goals of the plan is to increase accessibility awareness and understanding among staff and volunteers of Ozark National Scenic Riverways. The park superintendent is responsible for implementing and integrating the plan. The park-designated accessibility coordinator ensures adequate communication to park employees and works with the superintendent to follow up on the implementation and relevancy of the plan by documenting improvements and keeping the plan updated.

ACCESSIBILITY SELF-EVALUATION AND TRANSITION PLAN PROCESS

SELF-EVALUATION

The following graphic illustrates the primary steps in the self-evaluation process. Each step is further described in the following text.



Step 1: Identify Key Park Experiences and Park Areas

Key park experiences are those park experiences that are iconic and important for visitors to understand the purpose and significance of the park unit. They are “musts” for park visitors. Park legislation serves as the foundation for key park experiences, which are identified through park purpose, significance, interpretive themes, and those programs or activities highlighted in park communications. Key park experiences were identified at Ozark National Scenic Riverways to ensure that planned improvements were prioritized to best increase overall access to the experiences available.

- 1) Experience the unique Karst-based hydrogeological system of OZAR.
- 2) Enjoy and experience 134 miles of clear, free-flowing rivers.
- 3) Appreciate the high-quality ecosystems and endemic species of the Ozarks.
- 4) Learn about the rich cultural history of the Current and Jacks Fork Rivers.
- 5) Explore the outstanding river and outdoor recreation experiences including hunting, fishing, horseback riding, hiking, floating, boating, and camping.

After key park experiences were identified, all park areas were listed. Next, a matrix was developed to determine which key experiences occurred in each park area. A park area is a place defined by the park for visitor or administrative use. All park areas within Ozark National Scenic Riverways were evaluated per criteria in step 2, to determine which, if not all, areas would be assessed.

Step 2: Identify Park Areas to be Assessed

The criteria below were used to determine which park areas would receive assessments:

- 1) Level of visitation
- 2) Diversity of services, activities, and programs offered in the area
- 3) Geographic favorability (as a whole, the park areas selected reflect a broad distribution throughout the park)
- 4) Other unique characteristics of the site

The areas selected for assessment provide the best and greatest opportunities for the public to access all key park experiences. These park areas received comprehensive assessments as outlined in steps 3 and 4. Areas not assessed at this time are to be assessed and improved as part of future facility alterations or as a component of a future planned construction project.

Step 3: Identify Services, Activities, and Programs in Each Park Area

During step 3, all services, activities, and programs within each park area were identified. This process ensured that during step 4 all visitor amenities within a park area, including both physical and programmatic elements, were reviewed for accessibility. The comprehensive lists of services, activities, and programs were the basis for conducting the assessments and documenting all elements as they pertained to improving access to park experiences.

Step 4: Conduct Accessibility Assessment

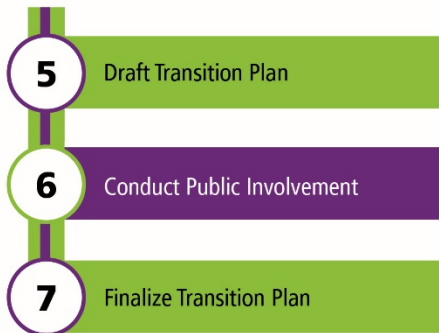
During step 4, an interdisciplinary assessment team identified physical and programmatic barriers and reviewed possible solutions within each park area.

Existing conditions and barriers to services, activities, and programs were discussed on-site by the assessment team. The assessment team then developed a reasonable range of recommended actions for consideration, including solutions that would provide universal access. Barrier-specific solutions, as well as alternative ways to improve access overall, were addressed and included both physical changes and/or the addition of alternate format methods. In some cases, programmatic alternatives needed to be examined because it was not always possible to eliminate physical barriers due to historic designations, environmental concerns, topography, or sensitive cultural and natural resources. Therefore, a full range of programmatic alternatives was considered that would provide access to the key experience for as many visitors as possible. All field results, including collected data, findings, preliminary options, and conceptual site plans, are organized by park area and formalized with recommendations in the transition plan.

TRANSITION PLAN

The following graphic illustrates the primary steps taken in developing the Ozark National Scenic Riverways transition plan. Each step is further described in the following text.

TRANSITION PLAN



Step 5: Draft Transition Plan

The next step of the process was drafting the transition plan and implementation strategy. Developing an implementation strategy can be complex because of a large range of coordination efforts associated with scheduling accessibility improvements. All improvement efforts need to consider park activities and operational requirements. The plan recommends accessibility improvements, identifies improvement time frames, and identifies responsible parties for such actions.

Implementation time frames are based on the park's ability to complete the improvements within normal scheduling of park operations and planned projects. Time frames are categorized as follows:

- 1) **Immediate (0–1 year):** Improvements that are easy, quick, and inexpensive to fix internally. It does not require supplemental NPS project funding.

immediate

- 2) **Short-term (1–3 years):** If the improvement does not require supplemental NPS project funding, park staff will initiate the elimination of the barrier internally; or, if a project is currently scheduled for funding, the improvement will be incorporated into the project and the barrier eliminated.

short-term

- 3) **Mid-term (3–7 years):** The park will develop a proposal and submit it for those projects requiring supplemental NPS project funding in the next annual servicewide budget call. Improvements will be scheduled dependent upon the year funding is received. If the improvement does not require supplemental NPS project funding, park staff will continue the elimination of the barrier internally.

mid-term

- 4) **Long-term (>7 years):** The park will eliminate the barrier when other work is taking place as part of facility alterations or as a component of a future planned construction project.

long-term

Step 6: Conduct Public Involvement

Public involvement occurs at the draft stage of the transition plan; however, it is recommended that at the beginning of the SETP process parks initiate public outreach efforts with organizations representing people with disabilities. The draft plan will be released for a 30-day period to solicit input from the public, including people with disabilities and organizations that represent people with disabilities, to provide comments and thoughts on whether the document represents a reasonable review of the park's barriers and a feasible and appropriate strategy for overcoming the barriers.

Step 7: Finalize Transition Plan

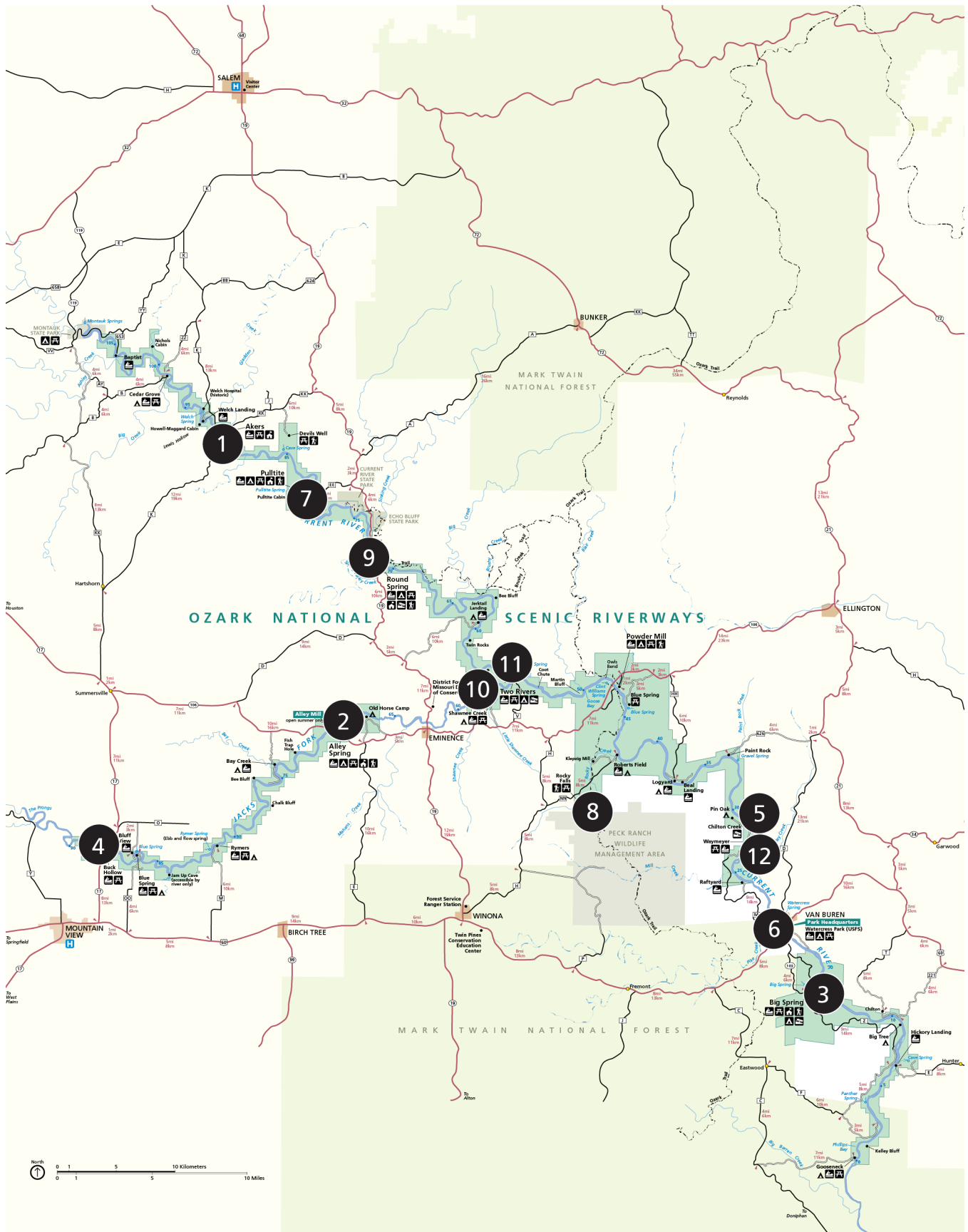
After the comment period has closed, the park will analyze all comments to determine if any revisions to the plan are necessary. Those revisions will be made before the implementation strategy is finalized. Once finalized, a notification will be sent to the public to announce the plan's availability.

IMPLEMENTATION STRATEGY FOR OZARK NATIONAL SCENIC RIVERWAYS

PARK AREAS ASSESSED

All key park experiences at Ozark National Scenic Riverways are represented within the park areas assessed. Park areas not included in the park area list will be upgraded to current code requirements when facility alteration and/or new construction is planned. Each park area identified for assessment is addressed during the implementation strategy exercise. Refer to Appendix D: "Park Areas Not Assessed" for a rationale on why park areas were determined to not be assessed in this planning effort. All park areas assessed are listed in alphabetical order and identified in the associated map below.

- 1) Akers
- 2) Alley Spring
- 3) Big Spring (Lower Current)
- 4) Buck Hollow
- 5) Chilton Creek
- 6) Park Headquarters
- 7) Pulltite
- 8) Rocky Falls
- 9) Round Spring
- 10) Shawnee Creek
- 11) Two River/Prairie Hollow Gorge
- 12) Waymeyer



IMPLEMENTATION STRATEGY FOR PARK AREAS ASSESSED

The Architectural Barrier Act (ABA) of 1968 requires that any building or facility designed, constructed, altered, or leased with federal funds be accessible and usable by any individuals with disabilities. The Uniform Federal Accessibility Standards (UFAS) and the Architectural Barriers Act Accessibility Standards (ABAAS) were adopted for federal facilities in 1984 and 2006, respectively. Subsequently in 2011, standards for recreational facilities were incorporated into ABAAS as chapter 10.

Dependent upon the date of a building's construction or alteration, different design standards apply. In conducting the transition plan facility assessments, the 2011 ABAAS standards were used as the on-site assessments. Although a barrier may be identified by the current assessment for improvement, facilities constructed pre-1984, or between 1984 and 2011, are only required to be in compliance with the standard in place at the time of construction and/or alteration. Therefore, they may not be in violation of ABAAS. However, any renovation or upgrade of that building will be required to meet the most current standard at the time of work.

Recommended improvements for park policies, practices, communication and training are included. Park policies are adopted by the park and are those defined courses of action for reaching a desired outcome. Park practices are those habitual and/or customary performances or operations park staff employs for reaching a desired outcome. Communication and training strategies help park staff keep informed on how to best deliver services, activities, and programs to visitors with disabilities in the most appropriate and accessible formats.

This document does not include strategies for transitioning employee workspaces to be accessible. In the event an employee with a disability is hired by Ozark National Scenic Riverways, the supervisor and employee will discuss the employee's needs. The supervisor will then determine what accommodations are reasonable within the given work environment and determine a plan of action to meet those needs.

For each park area, site plans illustrate existing conditions and recommended improvements. During the implementation phase, reassessment of the project site conditions and consultation with the Architectural Barriers Act Accessibility Standards is necessary to ensure that specific design and programmatic solutions are addressed correctly. Assistance is available at the Denver Service Center and through the Regional Office serving Interior Regions 3, 4, and 5 Accessibility Coordinator.



Implementation Strategy

Akers is connected to four key park experiences: rivers, ecosystems and endemic species, cultural history, and recreation. Akers is one of the most popular floating and picnicking destinations in the park. Concession services offer canoe rentals and access to the ferry crossing. Although once a popular camping destination, the individual campsites were closed due to high incident levels. Four group campsites are still open for use and offer private views of the Current River. Just up the road, visitors can view the historic Zion Church that can be reserved for events. In general, accessibility is lacking in the area: the main access route to the ranger contact station is on a sloped grassy hillside; the group campsites have undefined routes with poor surfaces; and thresholds into the concessions building and Zion Church are too high, limiting access. Improving routes to features will increase accessibility to facilities at Akers.

The following improvements to this park area are planned:

01

Accessible Route

- 1) Provide an accessible parking stall and accessible route to the restroom, using the service road as the vehicular access point.

long-term

02

Beach Access Route

- 1) Consider providing a removable beach access route at this water access location.

mid-term

Group Campsites



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Recommend adding a paved parking stall that is 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Do not sign it as accessible so other users can temporarily park to pay fees.

mid-term

02 Fee Kiosk

- 1) Provide clear ground space at kiosk, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.
- 2) As a best practice, provide location of accessible campsites on website, brochures, or at kiosks.

mid-term

03 Camping Features

- 1) Provide at least one accessible group campsite so that the parking stalls, outdoor constructed features, and routes meet the requirements of ABAAS, including Chapter 2 Scoping Requirements and Chapter 10 Recreation Facilities. Accessible campsites shall be distributed among the various loops and units available.

mid-term

04 Outdoor Recreation Access Route

- 1) As a best practice, consider moving the restroom to a more accessible location, or provide an accessible parking stall by the restroom.

mid-term

05 Women's Restroom

- 1) Provide an accessible parking stall next to the newly replaced restroom. Ensure when being remodeled, the restrooms comply with all accessibility standards.

mid-term

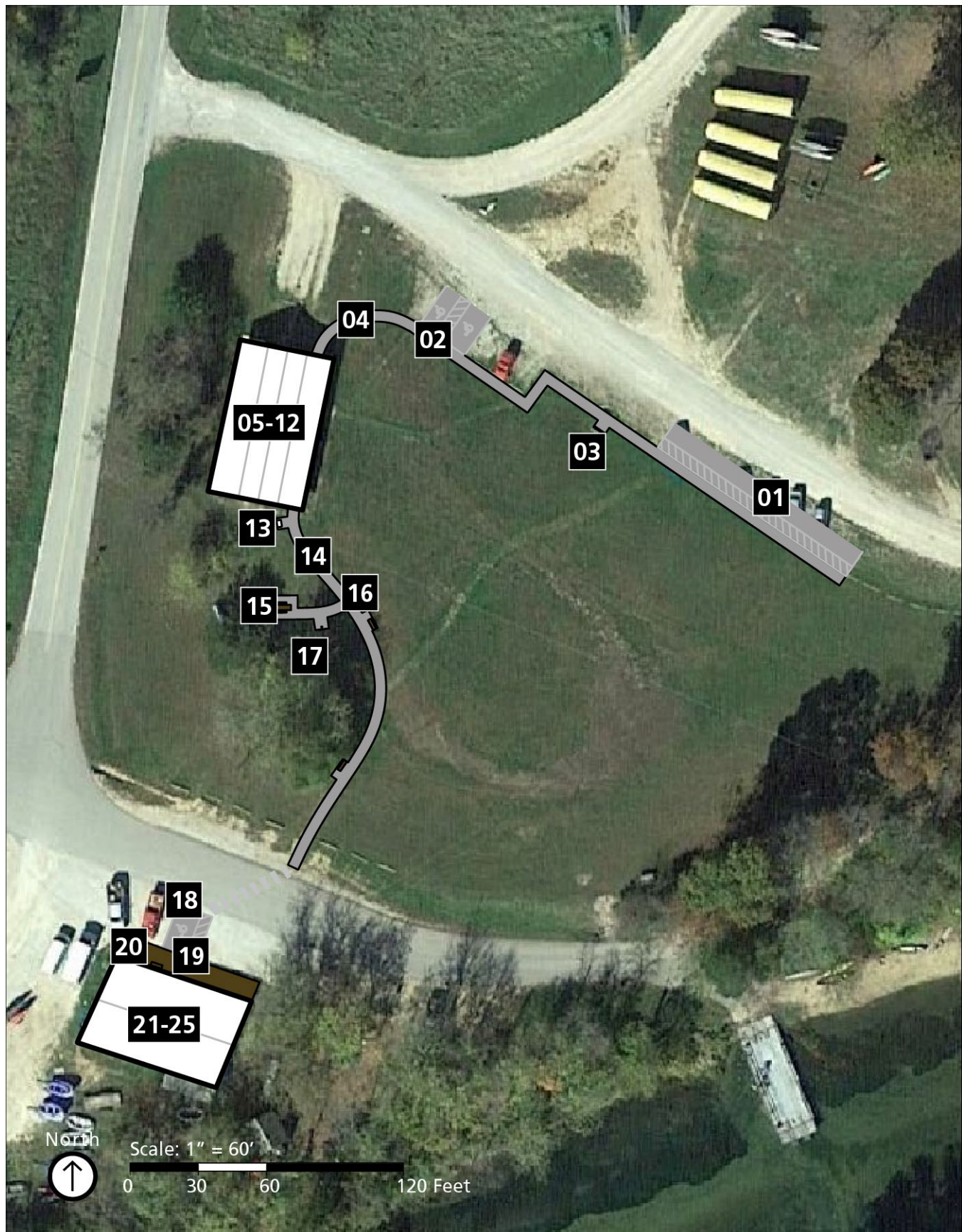
06**Men's Restroom**

- 1) Provide an accessible parking stall next to the newly replaced restroom. Ensure when being remodeled, the restrooms comply with all accessibility standards.

mid-term

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Ranger Station and Concessions



Implementation Strategy

The following improvements to this park area are planned:

01 Passenger Loading Zone

- 1) Mark a passenger loading zone for every 100' of loading space. The vehicle pull-up space shall be 96" minimum in width with a 60" minimum width access aisle extending the full length of the pull-up space. Ensure that the pull-up space and access aisle have a 2% maximum slope in all directions. Ensure an accessible route from the passenger loading zone to the ranger station is provided.

short-term

02 Car Parking

- 1) At a minimum, provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

short-term

03 Interpretive Wayside

- 1) Provide clear ground space at wayside exhibit, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

short-term

04 Accessible Route

- 1) Provide an accessible route to the ranger station from the accessible parking stall. Ensure the route has a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The surface shall be firm, stable, and slip resistant.

short-term

05 Benches

- 1) Relocate or alter one of the benches to provide a companion seating space between it and the other bench. The companion seating space shall be 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

immediate

06 Public Telephone

- 1) Provide a clear ground space of 30" by 48" minimum at the public telephone, with one full side of the ground space adjoining an accessible route.
- 2) Provide volume control complying with ABAAS 704.3.
- 3) Improve telephone cord to be 29" long minimum.
- 4) Replace or otherwise reconfigure the telephone so all operable parts and features are within an accessible reach range of 15"– 48" above the ground.
- 5) As a best practice, mount telephone information signage on the same plane as the telephone, so it is easily legible at different approach angles.

short-term

07 Accessible Route

- 1) Provide a circular turning space in the ranger station that has a minimum diameter of 60".

immediate

08 Ranger Station Service Counter

- 1) Improve the service counter to provide a parallel approach with a 36" minimum width section 36" maximum in height or a forward approach with a 30" minimum width section 36" maximum in height at each. If a forward approach, provide 27" minimum knee clearance extending 11" minimum under the service counter and 9" minimum toe clearance.

short-term

09 Accessible Route

- 1) Provide an accessible route that is 60" wide to the weight lifting area in the back of the room.

immediate

10**Exhibits**

- 1) As a best practice, improve or replace text to use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

short-term

11**Women's Restroom**

- 1) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 2) Improve operation of the flusher to be operable with a closed fist and no more than 5 pounds of force.
- 3) Improve the accessible stall door to be self-closing and have door pulls on both sides.
- 4) Provide tactile signs on the latch side of the door. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

12**Men's Restroom**

- 1) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 2) Improve operation of the flusher to be operable with a closed fist and no more than 5 pounds of force.
- 3) Improve door latch so it is operable with a closed fist.
- 4) Provide tactile signs on the latch side of the door. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

13**Interpretive Wayside**

- 1) Provide clear ground space at wayside exhibit, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

- 2) As a best practice, improve or replace text to use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

short-term

14

Accessible Route

- 1) Provide an accessible route from the ranger station to the wayside exhibit, canoe launch, and concessions building. Ensure the route has a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The surface shall be firm, stable, and slip resistant.

short-term

15

Picnic Facilities

- 1) Provide an accessible table that has an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

16

Benches

- 1) Provide firm and stable ground space at the bench, 36" by 48" minimum adjacent to the bench, and at a 2% maximum slope in any direction. As a best practice, provide companion seating. The companion seating space shall be 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

short-term

17

Water Hydrant

- 1) Provide a firm and stable clear ground space 72" by 48" minimum at a 2% maximum slope in any direction at the hydrant. The space shall be located so that the water spout is between 11" and 12" from the rear center of the long side of the space. Ensure that the spout is operable with a closed fist and no more than 5 pounds of force.

short-term

18 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

short-term

19 Accessible Route

- 1) Ensure vertical thresholds are no higher than ¼".

short-term

20 Benches

- 1) Relocate furniture beside the bench or alter the bench to provide a companion seating space. The companion seating space shall be 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions. As a best practice, add an arm rest on one side.

immediate

21 Accessible Route

- 1) Ensure vertical thresholds are no higher than ¼".

short-term

22 Accessible Route

- 1) Provide an accessible route at a minimum of 36" wide around the concessions store. As a best practice, create a SOP with furniture placement guidelines.

short-term

23 Concessions Service Counter

- 1) Improve the service counter to provide a parallel approach with a 36" minimum width section 36" maximum in height or a forward approach with a 30" minimum width section 36" maximum in height at each. If a forward approach, provide 27" minimum knee clearance extending 11" minimum under the service counter and 9" minimum toe clearance.

mid-term

24

Concessions Merchandise

- 1) As feasible, distribute items, especially popular ones, lower on shelves and displays. Provide a sign letting visitors know that assistance accessing other items is available.

short-term

25

Signage

- 2) Provide tactile signs on the latch side of the door. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

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Zion Church



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

02 Accessible Route

- 1) Provide an accessible route from the parking area to the church. Ensure the route has a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The surface shall be firm, stable, and slip resistant.

mid-term

03 Accessible Route

- 1) Provide a ramp into the church that does not exceed a running slope of 8.3%. Provide handrails on both sides of the ramp and 1' handrail extensions at the top and bottom of ramp runs. Ensure the cross slope does not exceed 2%. Landings at the top and bottom of the ramp are required and must be a stable, flat, firm surface with a 2% maximum slope in all directions. Clear landing length is at least 60" long and clear width is at least as wide as the widest ramp run, or 60" minimum if there is a change of direction.

mid-term

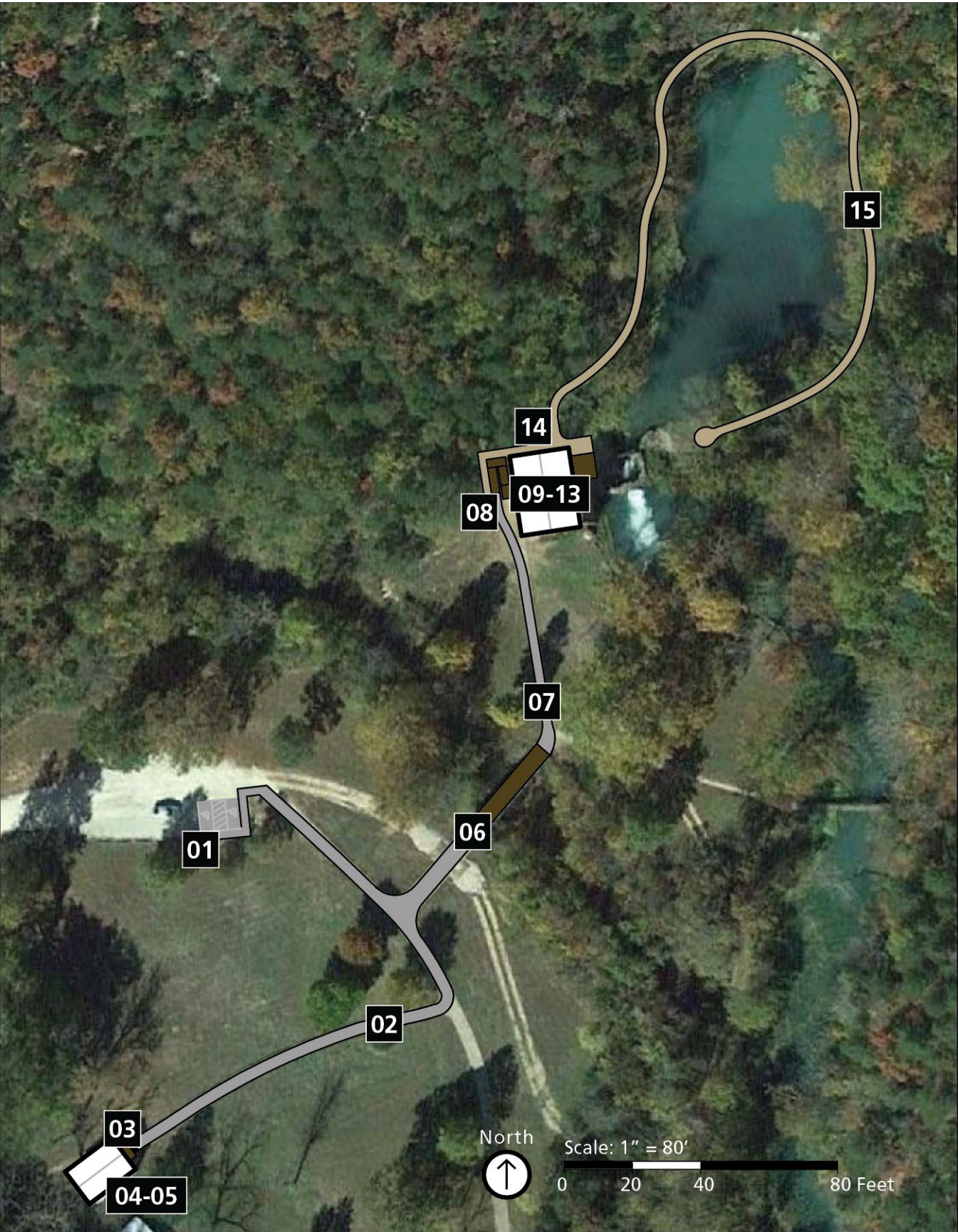
04 Accessible Route

- 1) Provide accessible wheelchair spaces with adjacent companion spaces in the church seating area. The wheelchair space shall be 36" minimum in width and 48" minimum in depth (33" apiece if adjacent to one another) when entered from the front or rear (60" minimum depth when entered from the side). The companion seat shall be in shoulder alignment with the adjacent wheelchair space. Disperse accessible seating areas. As a best practice create a SOP with furniture placement guidelines for special events.

mid-term

ALLEY SPRING

Mill and School House



Implementation Strategy

Alley Spring is connected to five key park experiences: karst systems, rivers, ecosystems and endemic species, cultural history, and recreation. Alley Spring and Mill are located on the Jacks Fork section of the park. The General Store located at this site is a historic building and maintains the character of its original construction. The General Store is the primary visitor contact point at the site as well as the primary point of sales for the park. The site serves as the park headquarters for Jacks Fork and the interpretation staff are based here. The site is also home to the Alley Mill, which is adjacent to Alley Spring. The largest campground at the park can also be found here. Alley Spring was originally designated as one of the first state parks in Missouri and later became recognized as being nationally significant and included in the NPS's Ozark National Scenic Riverways.

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide an accessible parking sign on each accessible stall, 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

immediate

- 2) Improve the accessible parking space and access aisle to have slopes of 2% maximum in all directions.

short-term

02 Accessible Route

- 1) Provide an accessible route to the interior of the schoolhouse that does not require the use of stairs. If a ramp is provided, it shall be 36" minimum in width and 8.33% maximum in running slope and provide handrails on both sides between 34" and 38" in height above the walking surface. Handrail extensions shall extend 12" minimum beyond the top and bottom of ramp runs.

mid-term

03 Accessible Route

- 1) As feasible, improve the clear width of the door opening to be 32" minimum.

mid-term

04 Interior Signage

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum

above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

mid-term

05 Accessible Route

- 1) Improve openings on ramp to be no greater than ½" in diameter.
- 2) Improve the route to have running slopes no greater than 5%.

mid-term

06 Accessible Route

- 1) Improve the route to have vertical changes in level no greater than ¼" or ½" with a beveled edge.
- 2) Improve openings on bridge to be no greater than ½" in diameter.

mid-term

07 Accessible Route

- 1) Improve route to have running slopes no greater than 5%, and cross slopes no greater than 2%. Ensure that surface of route does not have openings greater than ½".

mid-term

08 Accessible Route

- 1) Improve the ramp to have slopes that do not exceed 8.3% and provide a 36" minimum depth landing at the top and bottom with a 2% maximum slope in all directions.
- 2) Improve decking to have openings no greater than ½" in diameter.

mid-term

09 Accessible Route

- 1) Relocate or reposition objects so they do not protrude beyond 4" into the circulation space or make them cane detectable at the floor.

immediate

- 2) Improve floor to have openings no greater than ½" in diameter, and changes in level no greater than ½" in height.

mid-term

10 Checkout Counter

- 1) Improve the service counter to provide a parallel approach with a 36" minimum width section 36" maximum in height or a forward approach with a 30" minimum width section 36" maximum in height at each. If a forward approach, provide 27" minimum knee clearance extending 11" minimum under the service counter and 9" minimum toe clearance.

mid-term

11 Accessible Route

- 1) Ensure that walking surfaces with a minimum clear width of 36" are provided throughout the exhibit area.

short-term

12 Exhibits

- 1) Provide exhibits with equivalent interpretive material in accessible locations on the first floor of the mill.

mid-term

13 Interior Signage

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

14 Trailhead Signage

- 1) Provide signage at the trailhead that details trail conditions, including trail length, surface type, typical and maximum running and cross slopes, and typical and minimum tread width. Other recommended information includes providing a description of potential obstacles, distances to experiences and/or features, and graphics, such as a cross-section that demonstrates slope conditions.

short-term

- 2) Provide a firm and stable clear ground space for a forward or side approach, 30" by 48" minimum at a 2% maximum slope in all directions, with one side of the space adjoining the trail.

mid-term

Hiking Trail

- 1) As feasible, improve hiking trail to have running slopes no greater than 8.3% for 200 feet in length, up to 10% for 30 feet in length, and 12% for up to 10 feet in length. Provide appropriate resting spaces at the top and bottom of each segments. All cross slopes shall be less than 2%.
- 2) Improve surface of trail to have no obstacles greater than ½" in height measured vertically to the highest point.
- 3) Improve hiking trail to provide passing spaces every 1,000'.

mid-term

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General Store



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide a van-accessible stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisle shall be firm, stable, and slip resistant at 2% maximum slope in all directions.

mid-term

02 Accessible Route

- 1) Improve the ramp to have running slopes that do not exceed 8.3%. Provide handrails on both sides of the ramp and 1' handrail extensions at the top and bottom of ramp runs. Provide landings at the top and bottom of the ramp run.
- 2) Improve the threshold at the door to have a vertical change in level no greater than ¼" or ½" with a beveled edge.

mid-term

03 Exhibits

- 1) Relocate or reposition grinder so the handle does not protrude beyond 4" into the circulation space.

short-term

04 Interior Signage

- 1) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

05 Restroom

- 1) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 2) Adjust the rear grab bar to extend 24" minimum from the centerline of the toilet on the open side of the toilet room and 12" on the closed side.
- 3) Improve grab bar to have a 1½" gap between the inner edge and the wall.

- 4) Modify or replace the toilet seat, so the seat height is between 17" and 19" above the finish floor, measured to the top of the seat.

short-term

- 5) Reinstall toilet paper dispenser to be between 7" and 9" in front of the toilets to the centerline of the dispenser.

immediate

- 6) Lower the mirror above the sink so the bottom edge of the reflecting surface is no more than 40" above the floor.

short-term

06 Video

- 1) Provide open captioning for the video and lower the screen so it is more easily visible for both standing and seated visitors.

short-term

07 Accessible Route

- 1) Improve surface of route to be firm and stable. Improve openings on ramp to be no greater than ½".
- 2) Improve the threshold at the door to have a vertical change in level no greater than ¼" or ½" with a beveled edge.

mid-term

- 3) Improve the push side of the door to have a smooth surface for 10 inches, measured vertically from the finish floor, and extending the full width of the door.

short-term

08 Accessible Route

- 1) Relocate stamping station or improve the vertical change in level no greater than ¼" or ½" with a beveled edge.

short-term

09 Brochure Rack

- 1) As feasible, distribute items on lower shelves. Provide a sign letting visitors know that assistance accessing items is available.

short-term

10

Bulletin Board

- 1) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

short-term

11

Accessible Route

- 1) As accessible parking is provided at the lower parking lot, provide signage informing visitors that an alternative accessible route is provided.

mid-term

Alley Picnic Pavilion



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide three accessible parking spaces at the pavilion parking lot, one of which being van-accessible, all meeting the requirements of ABAAS 502.

long-term

02 Outdoor Recreation Access Route

- 1) Provide a curb cut between parking lot and route to pavilion and restroom.

immediate

03 Outdoor Recreation Access Route

- 1) Improve route from parking to picnic pavilion, to be 36" minimum in width, with a 2% maximum cross slope and a 5% maximum running slope. Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

mid-term

04 Outdoor Recreation Access Route

- 1) Improve route to pavilion to eliminate or reduce the change in level to be a maximum of ½" in height.
- 2) Fill or otherwise improve the openings to be a maximum of ½" in diameter.

mid-term

05 Picnic Tables

- 1) Provide a minimum of three accessible picnic tables at the pavilion to meet scoping requirements outlined in ABAAS F245. Each accessible table shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

- 2) Provide 36" of clear ground space on all usable sides of the tables, measured from the back edge of the benches.

short-term

06 Benches

- 1) Provide clear ground space for at least 20% of the benches. It shall be firm and stable, 36" by 48" minimum adjacent to the bench, and at a 2% maximum slope in all directions.

short-term

07 Grills

- 1) Replace grills with accessible units that are operable with one hand and do not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds maximum.

short-term

- 2) Provide clear ground space, 48" minimum width, on all usable sides of grills. Clear space should have 2% maximum slopes in all directions.

short-term

08 Trash Receptacles

- 1) Locate the trash receptacles on an accessible route and provide a clear ground space that is firm and stable, 36" by 48" minimum for a forward approach or 30" by 60" minimum for a parallel approach, with a 2% maximum slope in all directions.

short-term

09 Drinking Fountain

- 1) Provide a drinking fountain with a double unit that includes separate fountains for standing and seated users. The standing fountain shall have a spout height between 38" and 43" above the ground and the seated fountain shall have a spout height of 36" maximum above the ground.

mid-term

- 2) Provide a clear ground space of 30" by 48" minimum, centered on the unit, with appropriate knee and toe clearance outlined in ABAAS 306.

short-term

10 Outdoor Recreation Access Route

- 1) Improve the route to the restrooms to have a 2% maximum cross slope and an 8.3% maximum running slope. Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Route shall be firm, stable and 36" minimum in width.

mid-term

11**Women's Restrooms**

- 1) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

- 2) Lower the mirror above the sink so the bottom edge of the reflecting surface is no more than 40" above the floor.

short-term

- 3) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 4) Install sink to provide a forward approach, with rim 34" maximum in height, and 27" minimum knee clearance extending a depth of 8".

mid-term

- 5) Relocate the hand dryer so that it does not protrude into the circulation path.
- 6) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

12**Men's Restrooms**

- 1) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

- 2) Lower the mirror above the sink so the bottom edge of the reflecting surface is no more than 40" above the floor.

short-term

- 3) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 4) Install sink to provide a forward approach, with rim 34" maximum in height, and 27" minimum knee clearance extending a depth of 8".

mid-term

- 5) Relocate the hand dryer so that it does not protrude into the circulation path.
- 6) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

13

Information Kiosk

- 1) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.
- 2) Provide a clear width of 36" to each side of the kiosk, and a clear ground space of 30" by 48" minimum at each panel.

short-term

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Burr Oak Picnic Area



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide a van-accessible stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisle shall be firm, stable, and slip resistant at 2% maximum slope in all directions.

mid-term

02 Outdoor Recreation Access Route

- 1) Improve the route to the pavilion to have a 2% maximum cross slope and an 8.3% maximum running slope. Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Route shall be firm, stable, and 36" minimum in width.

mid-term

03 Outdoor Sink

- 1) Adjust the height of the sink to be 34" maximum above the ground.

short-term

04 Picnic Tables

- 1) Provide a minimum of three accessible picnic tables in order to meet 20% scoping requirement outlined in ABAAS F245. Each table shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

05 Trash Receptacles

- 1) Locate the trash receptacles on an accessible route and provide a clear ground space that is firm and stable, 36" by 48" minimum for a forward approach or 30" by 60" minimum for a parallel approach, with a 2% maximum slope in all directions.

short-term

06**Water Hydrant**

- 1) Provide a firm and stable clear ground space 72" by 48" minimum at a 2% maximum slope in all directions at the hydrant. The space shall be located so that the water spout is between 11" and 12" from the rear center of the long side of the space.

mid-term

07**Outdoor Recreation Access Route**

- 1) Improve the route from accessible parking to the restrooms to have a 2% maximum cross slope and an 8.3% maximum running slope. Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Route shall be firm, stable, and 36" minimum in width.

mid-term

08**Women's Restrooms**

- 1) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

- 2) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 3) Lower the mirror above the sink so the bottom edge of the reflecting surface is no more than 40" above the floor.

short-term

- 4) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

- 5) As a best practice, reduce force required to open door to be 10 pounds maximum.

short-term

09**Men's Restrooms**

- 1) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

- 2) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 3) Lower the mirror above the sink so the bottom edge of the reflecting surface is no more than 40" above the floor.

short-term

- 4) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

- 5) As a best practice, reduce force required to open door to be 10 pounds maximum.

short-term

10**Bulletin Board**

- 1) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

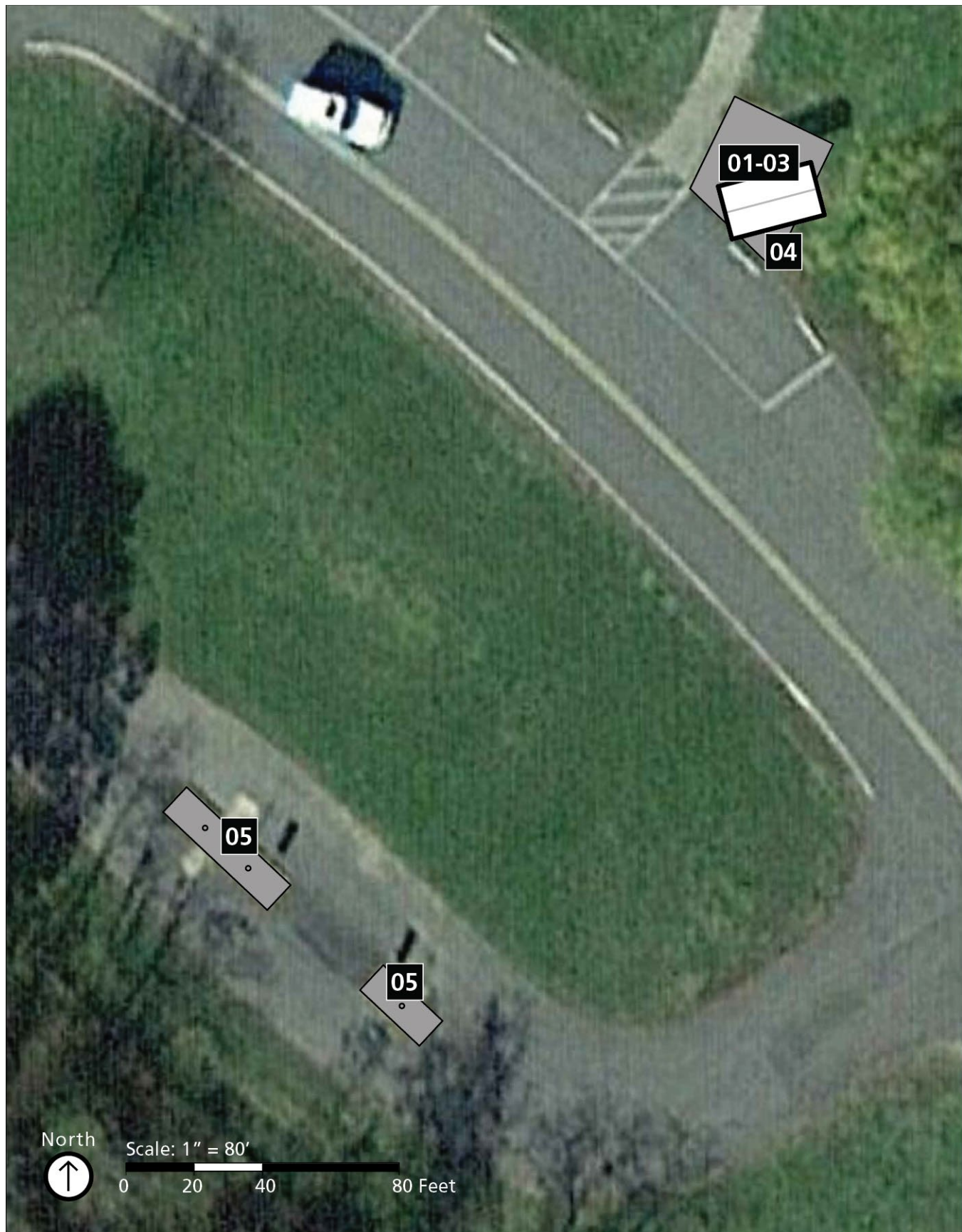
short-term

11**Picnic Facilities**

- 1) Provide at least 20% of picnic tables in the area to be accessible. Each table shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

Campground Fee Kiosk and RV Dump Station



Implementation Strategy

The following improvements to this park area are planned:

01 Public Telephone

- 1) Provide volume control complying with ABAAS 704.3.
- 2) Replace or otherwise reconfigure the telephone so all operable parts and features are within an accessible reach range of 15" – 48" above the ground.
- 3) Improve telephone cord to be 29" long minimum.

short-term

02 Kiosk

- 1) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

short-term

03 Message Board

- 1) Lower existing clips or add additional clips that are within accessible reach range of 15" to 48" above the ground.

short-term

04 Iron Ranger

- 1) Improve clear ground space at "iron ranger" to have slopes that are 2% maximum in all directions.

short-term

05 Dump Station

- 1) Ensure that operable parts of water hoses are accessible at a maximum height of 46" for an obstructed side reach depth of 10" to 24".

mid-term

Campground and Amphitheater



Implementation Strategy

The following improvements to this park area are planned:

01 Camping Facilities

- 1) Improve campsites to be accessible so that the parking stalls, tent pads, outdoor constructed features, and routes meet the requirements of ABAAS. Quantity of accessible campsites shall be based on scoping requirements in ABAAS F244.2, applied to each type of camping unit provided. Sites shall be distributed within the various loops.

long-term

02 Grill

- 1) Replace grill with an accessible unit that is operable with one hand and does not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds maximum.
- 2) Provide clear ground space, 48" minimum width, on all usable sides of grill. Clear space should have 2% maximum slopes in all directions.

short-term

03 Picnic Tables

- 1) Provide an accessible table that has an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.
- 2) Provide 36" of clear ground space on all usable sides of the tables, measured from the back edge of the benches.

short-term

04 Tag Holder

- 1) Lower existing tag holder or install an additional tag holder that is within accessible reach range of 15" to 48" above the ground.

short-term

05 Lantern Hook

- 1) Lower existing lantern hook or install an additional hook that is within accessible reach range of 15" to 48" above the ground. Ensure that new hooks overhang circulation paths 12" maximum when located between 27" and 80" above the ground.

immediate

06 Outdoor Recreation Access Route

- 1) Provide a firm and stable route connecting elements within the campsite. The route should have slopes that do not exceed 10% and have no obstacles greater than ½" in height.

mid-term

07 Bulletin Board

- 1) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

short-term

08 Women's Restrooms

- 1) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Reinstall toilet paper dispenser to provide 12" space between dispenser opening and sidewall grab bar. Dispenser shall be installed between 15" and 48" above the finish floor measured to the opening, and 7" to 9" in front of the toilet, measured to the centerline of the dispenser.
- 3) Lower existing coat hook or install additional hook that is within accessible reach range of 15" to 48" above the floor.

short-term

- 4) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 5) Lower the mirror above the sink so the bottom edge of the reflecting surface is no more than 40" above the floor.
- 6) Adjust the rear grab bar to extend 24" minimum from the centerline of the toilet on the open side of the toilet room and 12" on the closed side.
- 7) Provide a door pull on both sides of the door, near the latch.

- 8) Improve toilet compartment doors to be self-closing.

short-term

- 9) Relocate the hand dryer to a location that provides 30" by 48" of clear floor space that is not within the door swing of the toilet compartment.

short-term

09

Men's Restrooms

- 1) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Reinstall toilet paper dispenser to provide 12" space between dispenser opening and sidewall grab bar. Dispenser shall be installed between 15" and 48" above the finish floor measured to the opening, and 7" to 9" in front of the toilet, measured to the centerline of the dispenser.
- 3) Lower existing coat hook or install additional hook that is within accessible reach range of 15" to 48" above the floor.

short-term

- 4) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 5) Lower the mirror above the sink so the bottom edge of the reflecting surface is no more than 40" above the floor.
- 6) Adjust the rear grab bar to extend 24" minimum from the centerline of the toilet on the open side of the toilet room and 12" on the closed side.
- 7) Provide a door pull on both sides of the door, near the latch.
- 8) Improve toilet compartment doors to be self-closing.
- 9) Relocate the hand dryer to a location that provides 30" by 48" of clear floor space that is not within the door swing of the toilet compartment.

short-term

10

Outdoor Recreation Access Route

- 1) Improve the route to the amphitheater to be 36" wide minimum, with 2% maximum cross slope and 5% maximum running slope (wherever possible). Where running slope exceeds 5% up to 8.33%, the maximum segment length permitted is 50'. Where running slope exceeds 8.33% up to 10%, the maximum segment length permitted is 30'. No segment shall be steeper than

10%. Ensure resting intervals are provided at the top and bottom of each segment, regardless of segment length.

mid-term

- 2) Provide handrails on both sides of the stairs, with 1' handrail extensions at the top and bottom.

short-term

11

Seating

- 1) Improve amphitheater to have four wheelchair seating spaces. Spaces shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. The wheelchair spaces shall be 36" minimum in width and 48" minimum in depth (33" apiece if adjacent to one another) when entered from the front or rear (60" minimum depth when entered from the side). The companion seats shall be in shoulder alignment with the adjacent wheelchair space. Disperse accessible seating areas.

mid-term

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Campground Host Site and Restrooms



Implementation Strategy

The following improvements to this park area are planned:

01 Recreational Vehicle Parking

- 1) Improve the RV parking space to be 20' minimum in width at 2% maximum slope in all directions.

mid-term

02 Fire Ring

- 1) Replace fire ring with unit that is operable with less than 10 pounds of force.
- 2) Provide a fire building surface at 9" minimum above the ground, and cooking surface between 15" and 34" above the ground.

short-term

03 Lantern Hook

- 1) Lower existing lantern hook or install an additional hook that is within accessible reach range of 15" to 48" above the ground. Ensure that new hooks overhang circulation paths 12" maximum when located between 27" and 80" above the ground.

immediate

04 Outdoor Recreation Access Route

- 1) Provide a firm and stable route connecting elements within the campsite. The route should have slopes that do not exceed 10% and have no obstacles greater than ½" in height.

mid-term

05 Car Parking

- 1) Improve the accessible parking space to have slopes of 2% maximum in all directions.

mid-term

- 2) Provide an accessible parking sign on each accessible stall, 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

short-term

06 Outdoor Recreation Access Route

- 1) Establish a firm and stable outdoor recreation access route between accessible parking and restrooms to be 36" wide minimum, with 2% maximum cross slope and 5% maximum running slope (wherever possible). Where running slope exceeds 5% up to 8.33%, the maximum segment length permitted is 50'. Where running slope exceeds 8.33% up to 10%, the maximum segment length permitted is 30'. No segment shall be steeper than 10%. Ensure resting intervals are provided at the top and bottom of each segment, regardless of segment length.

mid-term

07 Restrooms

- 1) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Improve operation of the flusher to be operable with a closed fist and no more than 5 pounds of force. Locate the flusher to be on the open side of the water closet.
- 3) Lower the mirror above the sink so the bottom edge of the reflecting surface is no more than 40" above the floor.
- 4) Relocate the hand dryer so that it does not protrude into the circulation path.

short-term

08 Water Hydrant

- 1) Provide a firm and stable clear ground space 72" by 48" minimum at a 2% maximum slope in all directions at the hydrant. The space shall be located so that the water spout is between 11" and 12" from the rear center of the long side of the space. Ensure that openings on ground space no greater than ½" in diameter.

mid-term

09 Bulletin Board

- 1) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

short-term

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Campground Shower Building



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Improve the surface of the accessible parking spaces and access aisles to be firm and stable. Ensure that as surface is improved, the slopes do not exceed 2% in all directions.

mid-term

- 2) Provide "van accessible" signage on the van-accessible stall.

short-term

02 Water Hydrant

- 1) Provide a firm and stable clear ground space 72" by 48" minimum at a 2% maximum slope in all directions at the hydrant. The space shall be located so that the water spout is between 11" and 12" from the rear center of the long side of the space.

mid-term

03 Showers

- 1) Refurbish the shower rooms so that all showers are accessible, including shower compartments, dispensers, grab bars, and accessory items. They shall meet the requirements of ABAAS, including Chapter 2 Scoping Requirements (subsection F213) and Chapter 6 Plumbing Elements and Facilities.

long-term

- 2) Adjust the L-shaped bench so the front edge is between 15" and 16" from the seat wall, and the end of the "L" is 22" to 23" from the seat wall. The rear edge can be up to 2" maximum from the seat wall.

short-term

04 Men's Restroom

- 1) Reinstall toilet paper dispenser to provide 12" space between dispenser opening and the top of the sidewall grab bar. Dispenser shall be installed between 15" and 48" above the finish floor measured to the opening, and 7" to 9" in front of the toilet, measured to the centerline of the dispenser.

short-term

Women's Restroom

- 1) Reinstall toilet paper dispenser to provide 12 " space between dispenser opening and the top of the sidewall grab bar. Dispenser shall be installed between 15 " and 48 " above the finish floor measured to the opening, and 7 " to 9 " in front of the toilet, measured to the centerline of the dispenser.
- 2) Reinstall sanitary napkin disposal to provide 12 " space between the bottom of the disposal and the top of the sidewall grab bar. Disposal shall be installed between 15 " and 48 " above the finish floor measured to the opening.

short-term

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BIG SPRING
Historic Entrance Station



Implementation Strategy

Big Spring is connected to five key park experiences: karst systems, rivers, ecosystems and endemic species, cultural history, and recreation. Big Spring offers a diversity of visitor experiences, ranging from camping, picnicking, hiking, and viewing areas. The historic Civilian Conservation Corps Village contains several buildings that are currently not accessible to the public. Renovations are underway to improve and reopen the Historic Lodge and Cabins. The area showcases the Current River and rich history of the area with its unique architecture. The Big Spring itself is a main attraction for visitors, along with the adjacent picnic area. The campground, one of the largest in the park, has individual campsites, group sites, shower house, an amphitheater, and an accessible trail connecting the campground to the Big Spring. In general, there are minor accessibility barriers at Big Spring. Undefined routes with high slopes were found at the two accessible campsites and picnic areas. The hot shower house and restrooms near the group campsite were found to be completely inaccessible. Viewing areas of the Current River have limited access due to topography. Although not currently open to the public, the historic CCC structures have high thresholds at their entrances. Improving slopes of routes to campground and day use features and addressing larger accessibility barriers (restrooms and historic structure access) will greatly increase the opportunities available to visitors.

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

02 Picnic Facilities

- 1) Make the one picnic table in front of the entrance station accessible. The table shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure tables to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible tables. Ensure the accessible table is connected via an outdoor recreation access route to the accessible parking stall.

short-term

03

Accessible Route

- 1) Provide a ramp into the entrance station that provides the least possible running slope (with maximum being 12.5%) and has a cross slope of no more than 2%. Landings at the top and bottom of the ramp are required and must be a stable, flat, firm surface with a 2% maximum slope in all directions. Clear landing length is at least 60" long and clear width is at least as wide as the widest ramp run, or 60" minimum if there is a change of direction.

mid-term

04

Accessible Route

- 1) Provide clear ground space at the entrance, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

05

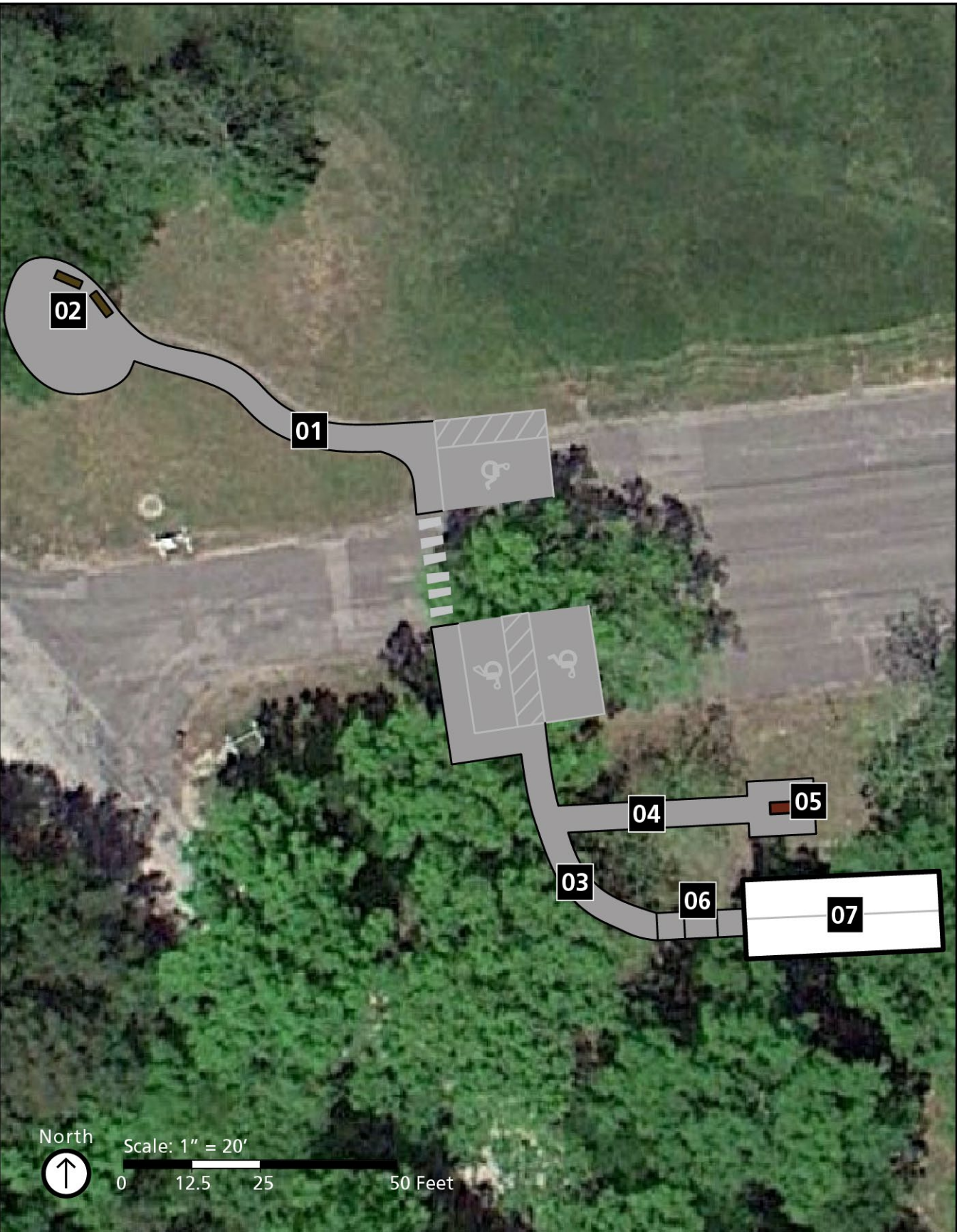
Accessible Route

- 1) Provide an accessible route at a minimum of 36" wide around the inside of the entrance station. As a best practice create a SOP with furniture placement guidelines.

mid-term

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Museum Building and Viewing Area



Implementation Strategy

The following improvements to this park area are planned:

01 Outdoor Recreation Access Route

- 1) RegROUT openings in stones so they are less than ½".

short-term

02 Benches

- 1) Adjust at least one bench so the seat surface is between 17" and 19" above the finished floor.

short-term

03 Accessible Route

- 1) Improve the route between the museum building and the parking lot to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails.

long-term

04 Accessible Route

- 1) Improve the route between the drinking fountain and the parking lot to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. Provide a level landing at the drinking fountain, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

long-term

05 Drinking Fountain

- 1) Provide a drinking fountain with a double unit that includes separate fountains for standing and seated users. The standing fountain shall have a spout height between 38" and 43" above the ground and the seated fountain shall have a spout height of 36" maximum above the ground.

long-term

06 Accessible Route

- 1) Provide a ramp into the entrance station that does not exceed a running slope of 8.3%. Provide handrails on both sides of the ramp and 1' handrail extensions at the top and bottom of ramp runs. Ensure the cross slope does

not exceed 2%. Landings at the top and bottom of the ramp are required and must be a stable, flat, firm surface with a 2% maximum slope in all directions. Clear landing length is at least 60" long and clear width is at least as wide as the widest ramp run, or 60" minimum if there is a change of direction.

long-term

07

Accessible Route

- 1) Provide an accessible route at a minimum of 36" wide around the inside of the museum building. As a best practice create a SOP with furniture placement guidelines.

long-term

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Spring House and Lodge



Implementation Strategy

The following improvements to this park area are planned:

01 Accessible Route

- 1) Provide an interpretive panel explaining the significance of the building to visitors at the road level that provides a level clear space of 30" by 48" minimum from a forward approach to the panel at a 2% maximum slope in all directions.

long-term

02 Car Parking

- 1) Regrade the stalls and access aisles to have a firm, stable, and slip resistant at a 2% maximum slope in all directions.

long-term

03 Accessible Route

- 1) Provide a ramp into the lodge that does not exceed a running slope of 8.3%. Provide handrails on both sides of the ramp and 1' handrail extensions at the top and bottom of ramp runs. Ensure the cross slope does not exceed 2%. Landings at the top and bottom of the ramp are required and must be a stable, flat, firm surface with a 2% maximum slope in all directions. Clear landing length is at least 60" long and clear width is at least as wide as the widest ramp run, or 60" minimum if there is a change of direction.

long-term

04 Accessible Route

- 1) Provide clear ground space by the lodge entrance door, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

long-term

05 Accessible Route

- 1) As feasible, improve vertical thresholds to be no higher than ¼".

long-term

06

Accessible Route

- 1) Ensure that the ramp does not exceed a running slope of 8.3%. Provide handrails on both sides of the ramp and 1' handrail extensions at the top and bottom of ramp runs.

long-term

07

Accessible Route

- 1) Ensure vertical thresholds are no higher than ¼".

long-term

08

Accessible Route

- 1) Provide an accessible route at a minimum of 36" wide around the inside of the lodge. As a best practice, create a SOP with furniture placement guidelines.

long-term

09

Restrooms

- 1) When remodeling restrooms ensure they are compliant with ABAAS 603-606, 609.

long-term

10

Accessible Route

- 1) Provide an accessible route to the tour boat dock from an accessible parking stall. As feasible, improve route to have running slopes no greater than 5%, and cross slopes no greater than 2%. Ensure that surface of route does not have openings greater than ½".

long-term

11

Accessible Route

- 1) Provide handrails on both sides of the stairs and 1' handrail extensions at the top and bottom of ramp runs.

long-term

12**Accessible Route**

- 1) Provide a ramp to the dock that does not exceed a running slope of 8.3%. Provide handrails on both sides of the ramp and 1' handrail extensions at the top and bottom of ramp runs.

long-term

13**Benches**

- 1) Provide designated accessible seating and companion seating. Ensure that accessible seating is dispersed among the various seating locations available. Spaces shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. The wheelchair space shall be 36" minimum in width and 48" minimum in depth (33" if adjacent to one another) when entered from the front or rear (60" minimum depth when entered from the side). The companion seat shall be in shoulder alignment with the adjacent wheelchair space. Disperse accessible seating areas.

long-term

Viewing Area and Chubb Hollow



Implementation Strategy

The following improvements to this park area are planned:

01 Accessible Route

- 1) Provide handrails on both sides of the stairs that are between 34" – 38" above the walking surface. Provide 1.5" minimum clearance between handrail gripping surface and adjacent surfaces. Add 1' handrail extensions at the top and bottom of stairs.

long-term

02 Outdoor Recreation Access Route

- 1) Provide a route to the viewing area from an accessible parking stall to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

long-term

03 Outdoor Recreation Access Route

- 1) Provide a route from an accessible parking stall to trailhead and picnic facilities to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

long-term

04 Interpretive Wayside

- 1) Provide a clear ground space at trailhead signage, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.
- 2) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

mid-term

05**Picnic Facilities**

- 1) Provide one accessible picnic table. The table shall have an extended section or a bench cut out with appropriate knee and toe clearance. Secure tables to a surface with a slope no greater than 2% in all directions. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

long-term

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Water Access



Implementation Strategy

The following improvements to this park area are planned:

01

Car Parking

- 1) Provide a minimum of two accessible car parking stalls in the water access parking lot. Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

Day Use Area



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Narrow the access aisle to ensure no one mistakes it as a parking stall. The van-accessible parking stall should be 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle.

mid-term

02 Picnic Facilities

- 1) Ensure that at least 20% of picnic tables in the area are accessible. The tables shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure tables to a surface with a slope no greater than 2% in all directions. Provide 36" minimum-width clear ground space on all usable sides of accessible tables. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

mid-term

03 Picnic Facilities

- 1) Ensure that at least 20% of picnic tables in the grass area are accessible and are dispersed throughout the picnicking area to provide a variety of picnicking experiences. Each table shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure tables to a surface with a slope no greater than 2% in all directions. Provide 36" minimum-width clear ground space on all usable sides of accessible tables. Ensure each accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

mid-term

04 Drinking Facilities

- 1) Provide a drinking fountain with a double unit that includes separate fountains for standing and seated users. The standing fountain shall have a spout height between 38" and 43" above the ground and the seated fountain shall have a spout height of 36" maximum above the ground.

long-term

05

Playground

- 1) As playground is modified ensure it meets the standards aligned in ABAAS F240 and 1008.

long-term

06

Car Parking

- 1) Improve accessible stall and access aisle to have cross slopes no greater than 2% in any direction.
- 2) Narrow the access aisle to ensure no one mistakes it as a parking stall. The van-accessible parking stall should be 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle.

long-term

07

Outdoor Recreation Access Route

- 1) The route to Big Spring from an accessible parking stall shall be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

long-term

08

Interpretive Wayside

- 1) Provide clear ground space at wayside exhibit, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

long-term

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Peavine Pavilion and Slough Trail



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

long-term

02 Interpretive Wayside

- 1) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

mid-term

03 Picnic Facilities

- 1) Ensure that at least 20% of picnic tables in the area are accessible. The tables shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure tables to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible tables. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

mid-term

04 Trash and Recycling

- 1) Improve the trash receptacles to be operable with a closed fist and no more than 5 pounds of force.

mid-term

05 Grills

- 1) Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible grills with a 2% maximum slope in all directions or 5% if necessary for drainage.

mid-term

06 Trailhead Signage

- 1) Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible grills with a 2% maximum slope in all directions or 5% if necessary for drainage.

mid-term

07 Stairs

- 1) Provide clear ground space at bottom of the stairs, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.
- 2) Provide 1' handrail extensions at the top and bottom of stairs.

mid-term

08 Outdoor Recreation Access Route

- 1) Ensure vertical thresholds are no higher than ¼".

mid-term

09 Trails

- 1) Improve the trail to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope. Segments up to 12% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

mid-term

10 Interpretive Wayside

- 1) Provide clear ground space at wayside exhibit, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

11 Benches

- 1) Provide a companion seating space next to the bench. The companion seating space shall be 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

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RV Dump Station and Fee Station



Implementation Strategy

The following improvements to this park area are planned:

01 Fee Station

- 1) Move fee envelope box so all operable parts and features are within an accessible reach range of 15" to 48" from the ground. Ensure that box flap can be operable with a closed fist and no more than 5 pounds of force.
- 2) As a best practice, provide location of accessible campsites on website, brochures, or at kiosks.

mid-term

02 Dump Station

- 1) Ensure operable parts and features are no higher than 46" from the ground. Ensure that water valve can be operable with a closed fist and no more than 5 pounds of force.

mid-term

Group Campsites



Implementation Strategy

The following improvements to this park area are planned:

01 Accessible Route

- 1) Provide an accessible route to the restrooms from the accessible parking stall. As feasible, improve route to have running slopes no greater than 5%, and cross slopes no greater than 2%. Ensure that surface of route does not have openings greater than ½".

long-term

02 Accessible Route

- 1) Provide clear ground space by the restroom doors, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

long-term

03 Women's Restroom

- 2) When remodeling restrooms ensure they are compliant with ABAAS 603-604, 606, and 608-609.

long-term

04 Men's Restroom

- 1) When remodeling restrooms ensure they are compliant with ABAAS 603-606, and 608-609.

long-term

05 Water Hydrant

- 1) Modify the approach to provide a firm and stable clear ground space 72" by 48" minimum at a 2% maximum slope in all directions at the hydrant. The space shall be located so that the water spout is between 11" and 12" from the rear center of the long side of the space. Ensure that the spout is operable with a closed fist and no more than 5 pounds of force.

long-term

06 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to

designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

long-term

07 Outdoor Recreation Access Route

- 1) Improve the route from the parking area to the campsite features to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

long-term

08 Picnic Facilities

- 1) Provide two accessible picnic tables at the group campsite. Each table shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure tables to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible tables. Ensure each accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

long-term

09 Grills

- 1) Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible grills with a 2% maximum slope in all directions or 5% if necessary for drainage.

long-term

10 Lantern Hook

- 1) Provide a lantern hook that is within the unobstructed reach range of 15" – 48" above the ground. Ensure the hook does not protrude more than 12" from the pole to meet post-mounted protruding objects standards.

immediate

11 Fire Rings

- 1) Provide a clear ground space 48" in width on all usable sides of the fire ring. It shall be firm and stable and have 2% maximum slope in all directions. Fire building surface shall be 9" minimum above the ground.

mid-term

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Hot Shower House



Implementation Strategy

The following improvements to this park area are planned:

01 Picnic Facilities

- 1) Provide one accessible picnic table. The table shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure tables to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

02 Interpretive Wayside

- 1) Provide clear ground space at wayside exhibit, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

- 2) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

short-term

03 Accessible Route

- 1) Improve the route between accessible parking and the restroom to have a running slope no greater than 5% and a cross slope no greater than 2%, or add handrails to the existing route and improve the cross slope.

mid-term

04 Women's Restroom

- 1) When remodeling restrooms ensure they are compliant with ABAAS 603-604, 606, and 608-609.

long-term

05 Men's Restroom

- 1) When remodeling restrooms ensure they are compliant with ABAAS 603-606 and 608-609.

long-term

Campsites #203 and #205



Implementation Strategy

The following improvements to this park area are planned:

Camping Facilities

- 1) Provide an additional six accessible campsites so that the parking stalls, outdoor constructed features, and routes meet the requirements of ABAAS, including Chapter 2 Scoping Requirements and Chapter 10 Recreation Facilities. Accessible campsites shall be distributed among the various loops and units available.

long-term

01 Outdoor Recreation Access Route

- 1) Improve the route from the parking area to the campsite features to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

long-term

02 Picnic Facilities

- 1) Provide an accessible table that has an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

mid-term

03 Grills

- 1) Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible grills with a 2% maximum slope in all directions or 5% if necessary for drainage.

mid-term

04 Fire Rings

- 1) Provide a clear ground space 48" in width on all usable sides of the fire ring. It shall be firm and stable and have 2% maximum slopes in all directions. Fire building surface shall be 9" minimum above the ground.

mid-term

05 Electrical Hookup

- 1) Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible electrical box with a 2% maximum slope in all directions or 5% if necessary for drainage.

mid-term

06 Lantern Hook

- 1) Provide a lantern hook that is within the unobstructed reach range of 15"–48" above the ground. Ensure the hook does not protrude more than 12" from the pole to meet post-mounted protruding objects standards.

immediate

07 Outdoor Recreation Access Route

- 1) Improve the route from the parking area to the campsite features to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

mid-term

08 Picnic Facilities

- 1) Provide an accessible table that has an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

mid-term

09 Grills

- 1) Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible grills with a 2% maximum slope in all directions or 5% if necessary for drainage.

mid-term

10 Fire Rings

- 1) Provide a clear ground space 48" in width on all usable sides of the fire ring. It shall be firm and stable and have a 2% maximum slope in all directions. Fire building surface shall be 9" minimum above the ground.

mid-term

11 Electrical Hookup

- 1) Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible electrical box with a maximum 2% slope in any direction or 5% if necessary for drainage.

mid-term

12 Lantern Hook

- 1) Provide a lantern hook that is within the unobstructed reach range of 15"–48" above the ground. Ensure the hook does not protrude more than 12" from the pole to meet post-mounted protruding objects standards.

immediate

Amphitheater



Implementation Strategy

The following improvements to this park area are planned:

01 Accessible Route

- 1) Improve the route between the campground road and the amphitheater to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails.

mid-term

02 Accessible Route

- 1) Ensure the width between aisles in the amphitheater seating is a minimum of 36".

mid-term

03 Seating

- 1) Provide designated accessible seating and companion spaces. Spaces shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. The wheelchair space shall be 36" minimum in width and 48" minimum in depth (33" apiece if adjacent to one another) when entered from the front or rear (60" minimum depth when entered from the side). The companion seat shall be in shoulder alignment with the adjacent wheelchair space. Disperse accessible seating areas.

mid-term

BUCK HOLLOW

Water Access



Implementation Strategy

Buck Hollow is connected to four key park experiences: rivers, ecosystems and endemic species, cultural history, and recreation. Buck Hollow is located near the western extent of the Jacks Fork section of the park. The site is a popular river access point due to its proximity to Mountain View. One newly constructed restroom with accessible parking is located near the pull-off from Highway 17. The restroom is a known stopping point for vehicles as well as visitors floating the river. Site is minimally developed and primarily used for river access.

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide an accessible parking sign on each accessible stall, 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

short-term

02 Kiosk

- 1) Provide a clear ground space of 30" by 48" minimum at each panel.

mid-term

03 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

04 Trailhead Signage

- 1) Provide signage at the trailhead that details trail conditions, including trail length, surface type, typical and maximum running and cross slopes, and typical and minimum tread width. Other recommended information includes providing a description of potential obstacles, distances to experiences and/or features, and graphics, such as a cross-section that demonstrates slope conditions.

short-term

05**Beach Access Route**

- 1) As practicable, provide a beach access route that meets the standards of ABAAS 1018, connecting the parking area to the mean high water level.

mid-term

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CHILTON CREEK

Water Access



Implementation Strategy

Chilton Creek Access is connected to three key park experiences: rivers, ecosystems and endemic species, and recreation. The Chilton access point is located approximately one mile northeast of the Waymeyer access point along the Lower Current River. The access point was intended to be used for visitors launching power boats to avoid conflicts with other visitors accessing the river using non-motorized craft. The parking lot was designed for 10 spaces, but it is typical to find an additional 20–25 vehicles parked in the overflow lot. The current route to the water's edge has steep slopes and an uneven articulated concrete mat construction. Creating an accessible route from the parking area to the water's edge will require considerable effort. Despite efforts to designate Chilton as a power boat access point, visitors continue to access this launch area with tubes and kayaks, creating the potential for visitor use conflicts.

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide a van-accessible stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisle shall be firm, stable, and slip resistant at 2% maximum slope in all directions.

mid-term

02 Accessible Route

- 1) As feasible, improve route to have running slopes no greater than 5%, and cross slopes no greater than 2%. Ensure that surface of route does not have openings greater than ½".

long-term

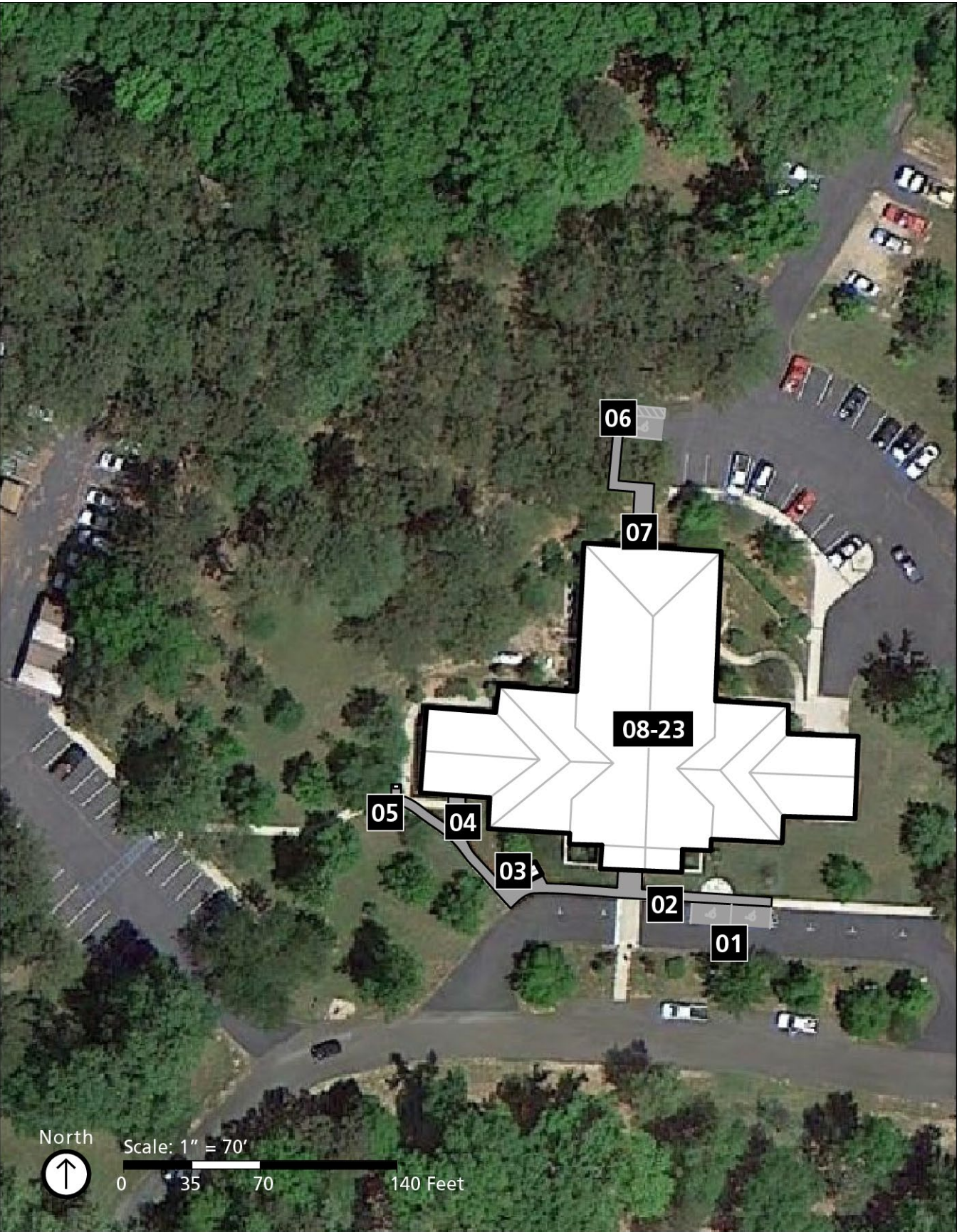
03 Accessible Route

- 1) As feasible, improve route to have running slopes no greater than 5%, and cross slopes no greater than 2%. Ensure that surface of route does not have openings greater than ½".

long-term

PARK HEADQUARTERS

Park Headquarters



Implementation Strategy

Park Headquarters is connected to five key park experiences: karst systems, rivers, ecosystems and endemic species, cultural history, and recreation. Park Headquarters also serves as the main visitor center for the park. Located in the town of Van Buren, Park Headquarters is where visitors can stop by to learn more about park resources, where to go in the park for different experiences, or to pick up a souvenir to remember their trip to the Ozarks. The park also hosts public meetings in the large and small conference rooms. In general, there are minor accessibility barriers at Park Headquarters. Outdoor features (interpretive exhibits and routes to car parking areas) have high slopes. Indoor interpretive exhibits have small font sizes and obtrusions into the clear floor space. Level landings and gradual slopes in front of the visitor center provide a great alternative location for accessible parking. Improving access to both outdoor and indoor features will increase accessibility to visitors.

The following improvements to this park area are planned:

01 Car Parking

- 1) Move accessible car parking to be in front of the visitor center. Provide two accessible parking stalls. One must be van-accessible with 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stalls and access aisle shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

02 Accessible Route

- 1) Ensure the route between the new accessible parking location and the visitor center entrance to have a running slope no greater than 5% and a cross slope no greater than 2%.

mid-term

03 Bulletin Board Kiosk

- 1) Provide clear ground space at kiosk, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.
- 2) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.
- 3) Provide signage at the trailheads that details trail conditions, including trail length, surface type, typical and maximum running and cross slopes, and typical and minimum tread width. Other recommended information includes

providing a description of potential obstacles, distances to experiences and/or features, and graphics, such as a cross-section that demonstrates slope conditions.

short-term

04 Accessible Route

- 1) Provide clear ground space by the emergency exit door, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

short-term

05 Interpretive Wayside

- 1) Provide clear ground space at wayside exhibit, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

short-term

06 Car Parking

- 1) Provide accessible parking signs to designate the accessible stalls. The signs shall be 60" minimum above the ground to the bottom of the signs. Provide "van accessible" signage on the van-accessible stall.
- 2) The accessible stall and access aisle shall be firm, stable, and slip resistant at a 2% maximum slope in all directions.

mid-term

07 Accessible Route

- 1) Ensure vertical thresholds are no higher than ¼".

short-term

08 Interpretive Wayside

- 1) Provide clear ground space at wayside exhibit, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

short-term

09 Visitor Center Sign In Book

- 1) Improve the service counter to provide a parallel approach with a 36" minimum width section 36" maximum in height or a forward approach with a 30" minimum width section 36" maximum in height at each. If a forward approach, provide 27" minimum knee clearance extending 11" minimum under the service counter and 9" minimum toe clearance.

short-term

10 Exhibits

- 1) Provide 27" minimum knee clearance extending 11" minimum under the display case and 9" minimum toe clearance.

short-term

11 Exhibits

- 1) As a best practice, improve or replace text to use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics. As a best practice, tilt labels for easier readability. Ensure printable material is available in braille.

short-term

12 Exhibits and Video

- 1) Provide audio description and tactile displays interpreting the exhibits.

mid-term

13 Accessible Route

- 1) Move or trim plants to ensure that a 30" by 48" clear ground space is provided at exhibits and displays.

short-term

14 Merchandise Display

- 1) As feasible, distribute items, especially popular ones, lower on shelves and displays. Provide a sign letting visitors know that assistance accessing other items is available.

short-term

15**Brochure Display**

- 1) As feasible, distribute items, especially popular ones, lower on shelves and displays. Provide a sign letting visitors know that assistance accessing other items is available.

short-term

16**Accessible Route**

- 1) Provide an accessible route at a minimum of 36" wide around the visitor center and store furniture. As a best practice, create a SOP with furniture placement guidelines.

short-term

17**Women's Restroom**

- 1) Provide 30" by 48" minimum clear floor space in front of the sink by relocating trash can, paper towel dispenser, and needle disposal container. When moving bathroom features ensure they adhere to reach range and protruding objects standards.
- 2) Relocate paper towel dispenser to be within the reach range of 15" minimum and 48" maximum from the ground and does not protrude more than 4" from the wall.
- 3) Relocate the toilet paper dispenser below the side wall grab bar. The top of it shall be at least 1½" from the bottom of the grab bar. Ensure that the toilet paper is between 7" and 9" from the front of the toilet.
- 4) Relocate the sanitary napkin dispenser to be outside of the accessible stall, to preserve clear floor space. Ensure in its new location it is 15" – 48" above the ground to comply with reach range requirements. Provide cane detectable object at ground level below the dispenser or recess the dispenser into the wall so it does not protrude more than 4".

short-term

18**Men's Restroom**

- 1) Relocate the toilet paper dispenser below the side wall grab bar. The top of it shall be at least 1½" from the bottom of the grab bar. Ensure that the toilet paper is between 7" and 9" from the front of the toilet.
- 2) Relocate the rear grab bar to extend from the centerline of the toilet 12" minimum on one side and 24" minimum on the other.
- 3) Relocate coat hooks to be no more than 48" above the floor.
- 4) Provide a self-closing door and door pull on both sides of the stall door.

- 5) Provide 30" by 48" minimum clear floor space in front of the sink by relocating trash can, paper towel dispenser, and needle disposal container. When moving bathroom features ensure they adhere to reach range and protruding objects standards.
- 6) Relocate paper towel dispenser to wall by sink or to bathroom stall wall at a maximum height of 48" and not protruding more than 4".
- 7) Ensure that the center of the toilet is between 16" and 18" from the side wall.

short-term

19 Door

- 1) Provide a clear width of 32" minimum at door opening.

short-term

20 Accessible Route

- 1) Provide cane detectable object at ground level below the fire extinguisher or recess the extinguisher into the wall so it does not protrude more than 4" into the path of circulation.

short-term

21 Large Conference Room

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

22 Large Conference Room

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

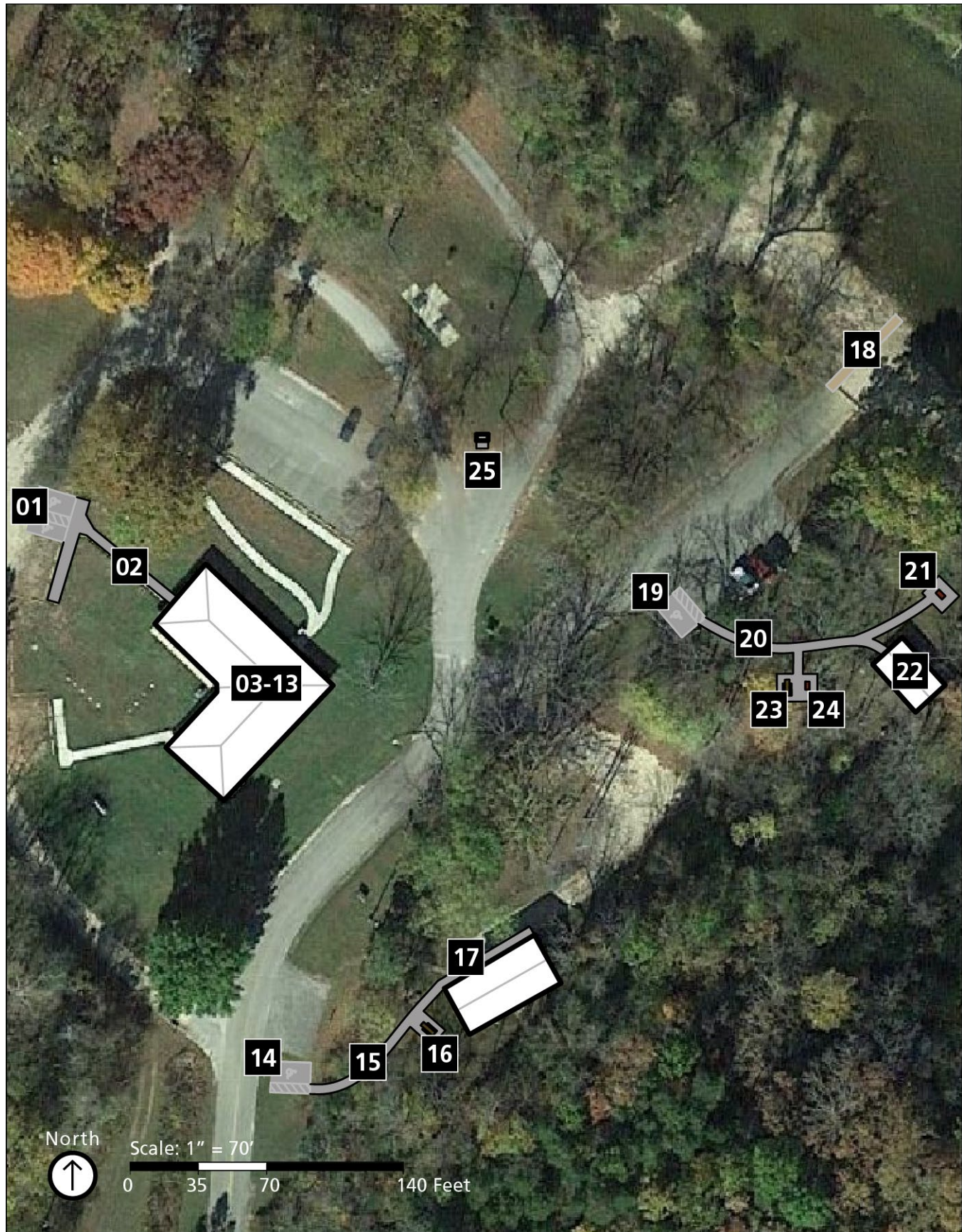
Small Conference Room

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

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Ranger Station and Concessions



Implementation Strategy

Pulltite is connected to four key park experiences: rivers, ecosystems and endemic species, cultural history, and recreation. The historic Pulltite Cabin and Weese Cemetery allow visitors to peer into the past while the concessions operation, campground, picnic area, and water access provide recreation for present and future visitors. The ranger station serves as an interpretive center for Pulltite and offers one of two shower houses at the campground for visitors. In general, there are minor accessibility barriers at Pulltite. The route from the parking area to the concessions building has very high slopes, and access to the amphitheater is limited due to stairs along the route. The park does offer two designated accessible campsites at Pulltite, with some minor barriers including undefined routes to camping features. Improving slopes and surfaces of routes to features around Pulltite will increase the opportunities available to visitors.

The following improvements to this park area are planned:

01 Car Parking

- 1) Recommend providing the accessible parking stall in the upper lot, which will provide easier access to the ranger station. Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

02 Accessible Route

- 1) Provide a route between the new accessible parking stall in the upper lot to the ranger station to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The route shall be firm, stable, and slip resistant.

mid-term

03 Picnic Facilities

- 1) Provide two accessible picnic tables. The tables shall have an extended section or a bench cut out with appropriate knee and toe clearance. Secure tables to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

04**Drinking Fountain**

- 1) Raise the high drinking fountain so that its spout is between 38" – 43" above the ground. Lower the low drinking fountain so that its spout is no higher than 36" above the ground.

mid-term

05**Women's Restroom**

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.
- 3) Improve the accessible stall door to be self-closing and have door pulls on both sides.
- 4) Relocate the toilet paper dispenser and trash receptacle below the side wall grab bar. The top of both shall be at least 1½" from the bottom of the grab bar. Ensure that the toilet paper is between 7" and 9" from the front of the toilet.
- 5) Improve the sink to be operable with a closed fist and no more than 5 pounds of force.

short-term

06**Men's Restroom**

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.
- 3) Improve the accessible stall door to be self-closing and have door pulls on both sides.
- 4) Relocate the toilet paper dispenser and trash receptacle below the side wall grab bar. The top of both shall be at least 1½" from the bottom of the grab bar. Ensure that the toilet paper is between 7" and 9" from the front of the toilet.
- 5) Improve the sink to be operable with no more than 5 pounds of force.

- 6) Lower the urinal so that its bottom lip is no higher than 17" above the floor.

short-term

07 Entry Door

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

08 Accessible Route

- 1) Provide an accessible route at a minimum of 36" wide around the ranger station. As a best practice, create a SOP with furniture placement guideline.

short-term

09 Utility Outlet

- 1) Provide a lower outlet that is 15"– 48" above the ground to comply with unobstructed reach range requirements.

short-term

10 Trash and Recycling

- 1) Improve the trash receptacles to be operable with a closed fist and no more than 5 pounds of force.

short-term

11 Public Telephone

- 1) Improve the latch so it is operable with one hand and the force required to open is 5 pounds maximum. Provide volume controls. The cord length shall be 29" long minimum. If the public telephone remains in use, add a TTY or replace the unit with a unit that has a TTY.

short-term

12 Showers

- 1) When feasible, retrofit the other four showers to comply with ABAAS 608.

long-term

13**Accessible Shower**

- 1) Provide clear ground space by the shower door, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

- 2) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

- 3) Relocate the shower spray unit to the same wall as the controls, opposite the seat, between 38"–48" above the shower floor and shall be located on the control wall 15" maximum from the centerline of the seat toward the shower opening.

mid-term

- 4) Relocate the trash receptacle below the sidewall grab bar. The top of it shall be at least 1½" from the bottom of the grab bar. Ensure that the toilet paper is between 7" and 9" from the front of the toilet.

short-term

14**Car Parking**

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

15**Accessible Route**

- 1) Provide a route between the new accessible parking stall to the concessions building to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The route shall be firm, stable, and slip resistant.

mid-term

16 Picnic Facilities

- 1) Provide an accessible table that has an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

17 Accessible Route

- 1) Provide clear ground space in front of the concessions building entry door, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

18 Beach Access Route

- 1) Consider providing a removable beach access route at this water access location.

mid-term

19 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

20 Outdoor Recreation Access Route

- 1) Improve the route from the parking area to picnic features to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

mid-term

21 Drinking Fountain

- 1) Provide a drinking fountain with a double unit that includes separate fountains for standing and seated users. The standing fountain shall have a spout height between 38" and 43" above the ground and the seated fountain shall have a spout height of 36" maximum above the ground.

mid-term

22 Picnic Facilities

- 1) Provide an accessible table that has an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

23 Picnic Facilities

- 1) Provide an accessible table that has an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

24 Grills

- 1) Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible grills with a 2% maximum slope in all directions or 5% if necessary for drainage.

mid-term

25 Bulletin Board Kiosk

- 1) Provide an accessible route to the fee kiosk to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The route shall be firm, stable, and slip resistant.
- 2) Provide clear ground space in front of the fee kiosk, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

- 3) Ensure that the counter is mounted so operable parts are between 15" and 48" above the ground.
- 4) As a best practice, provide location of accessible campsites on website, brochures, or at kiosks.

short-term

Amphitheater



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Locate accessible parking next to the restroom via the service road. Provide two accessible parking stalls. Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stalls and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stalls. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

long-term

02 Accessible Route

- 1) Provide an accessible route from the new accessible parking stall to the restrooms and amphitheater. Ensure a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The route shall be firm, stable, and slip resistant.

long-term

03 Women's Restroom

- 1) When remodeling restrooms ensure they are compliant with ABAAS 603-604, 606, and 608-609.

long-term

04 Men's Restroom

- 1) When remodeling restrooms ensure they are compliant with ABAAS 603-606 and 608-609.

long-term

05 Accessible Route

- 1) Provide clear ground space in front of the bulletin board, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

long-term

06**Seating**

- 1) Provide designated accessible seating and companion spaces. Spaces shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. The wheelchair space shall be 36" minimum in width and 48" minimum in depth (33" apiece if adjacent to one another) when entered from the front or rear (60" minimum depth when entered from the side). The companion seat shall be in shoulder alignment with the adjacent wheelchair space. Disperse accessible seating areas.

long-term

07**Accessible Route**

- 1) Ensure the width between aisles in the amphitheater seating is a minimum of 36".

long-term

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Campsite #32



Implementation Strategy

The following improvements to this park area are planned:

Camping Facilities

- 1) Provide an additional two accessible campsites and one accessible group campsite so that the parking stalls, outdoor constructed features, and routes meet the requirements of ABAAS, including Chapter 2 Scoping Requirements and Chapter 10 Recreation Facilities. Accessible campsites shall be distributed among the various loops and units available.

mid-term

01 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

02 Outdoor Recreation Access Route

- 1) Improve the route from the parking area to the campsite features to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

mid-term

03 Picnic Facilities

- 1) Provide an accessible table that has an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

mid-term

04

Lantern Hook

- 1) Provide a lantern hook that is within the unobstructed reach range of 15"–48" above the ground. Ensure the hook does not protrude more than 12" from the pole to meet post-mounted protruding objects standards.

immediate

05

Fire Rings

- 1) Provide a clear ground space 48" in width on all usable sides of the fire ring. It shall be firm and stable and a 2% maximum slope in all directions. Fire building surface shall be 9" minimum above the ground.

mid-term

06

Water Hydrant

- 1) Improve the route from the parking area to the campsite features to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

mid-term

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Group Campsites



Implementation Strategy

The following improvements to this park area are planned:

01 Camping Facilities

- 1) Provide at least one accessible group campsite so that the parking stalls, outdoor constructed features, and routes meet the requirements of ABAAS, including Chapter 2 Scoping Requirements and Chapter 10 Recreation Facilities. Accessible campsites shall be distributed among the various loops and units available.

mid-term

02 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

03 Women's Restroom

- 1) Ensure the openings are no greater than ½".
- 2) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 3) Relocate the soap dispenser to fit within the obstructed reach range of 44" from the ground.
- 4) Provide a self-closing door and door pull on both sides of the stall door.
- 5) Relocate the toilet paper dispenser and trash receptacle below the side wall grab bar. The top of both shall be at least 1½" from the bottom of the grab bar. Ensure that the toilet paper is between 7" and 9" from the front of the toilet.

- 6) Relocate coat hooks to be no more than 48" above the floor.

short-term

04 Men's Restroom

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

- 2) Relocate the soap dispenser to fit within the obstructed reach range of 44" from the ground.
- 3) Provide a self-closing door and door pull on both sides of the stall door.
- 4) Relocate the toilet paper dispenser and trash receptacle below the side wall grab bar. The top of both shall be at least 1½" from the bottom of the grab bar. Ensure that the toilet paper is between 7" and 9" from the front of the toilet.
- 5) Relocate coat hooks to be no more than 48" above the floor.

short-term

05 Showers

- 1) When feasible, retrofit the other four showers to comply with ABAAS 608.

long-term

06 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

07**Women's Restroom**

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

mid-term

- 2) Relocate toilet paper dispensers to be at least 1½ " below the sidewall grab bars and between 7" and 9" in front of the toilets to the centerline of the dispensers.

short-term

08**Men's Restroom**

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

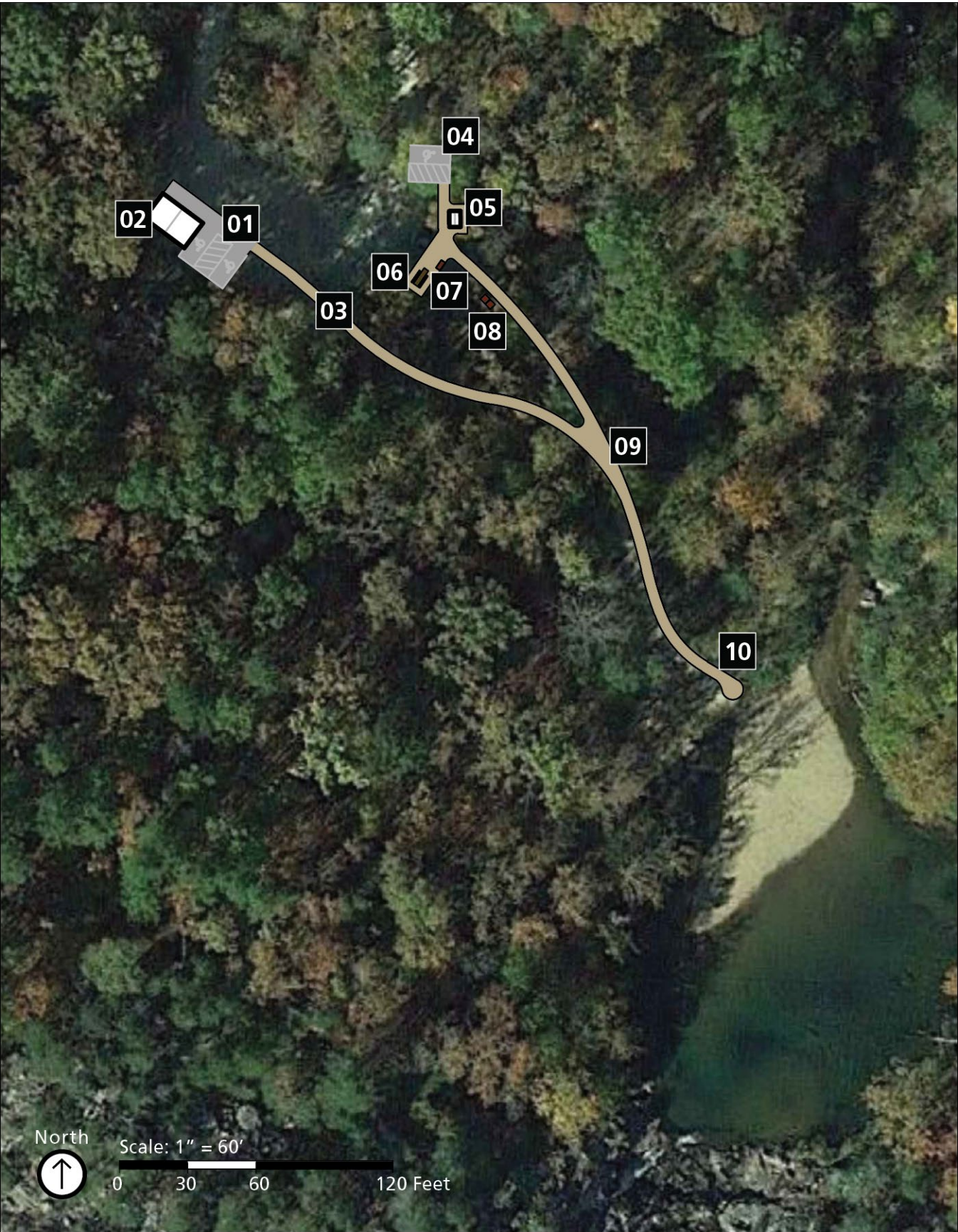
mid-term

- 2) Relocate toilet paper dispensers to be at least 1½" below the sidewall grab bars and between 7" and 9" in front of the toilets to the centerline of the dispensers.

short-term

ROCKY FALLS

Water Access



Implementation Strategy

Rocky Falls is connected to four key park experiences: karst systems, ecosystems and endemic species, cultural history, and recreation. Rocky Falls is located on Rocky Creek, a tributary of the Lower Current River. The falls are the main attraction and are a unique experience at the park. There are high visitor counts all year round at this location. Picnic sites exist and the trail system connects to the larger Ozark trail network. The creek is too shallow for boat access but does attract a multitude of swimmers. The parking lot reaches capacity quickly during the summer.

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide an accessible parking sign on each accessible stall, 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

short-term

02 Restrooms

- 1) Improve grab bar to have no more than a 1½" gap between the inner edge and the wall.
- 2) Reinstall vertical grab bar to provide 12" space between the vertical bar and the sidewall grab bar.

short-term

03 Outdoor Recreation Access Route

- 1) Improve the route between accessible parking at restrooms and the picnic facilities and trail to be 36" wide minimum, with 2% maximum cross slope and 5% maximum running slope (wherever possible). Where running slope exceeds 5% up to 8.33%, the maximum segment length permitted is 50'. Where running slope exceeds 8.33% up to 10%, the maximum segment length permitted is 30'. No segment shall be steeper than 10%. Ensure resting intervals are provided at the top and bottom of each segment, regardless of segment length.

long-term

04**Car Parking**

- 1) Reinstall accessible parking signage so it is 60" minimum above the ground, measured to the bottom of the sign.

short-term

- 2) Provide "van accessible" signage on the van-accessible stall.

immediate

- 3) Improve the accessible parking space to have slopes of 2% maximum in all directions.

mid-term

05**Kiosk**

- 1) Provide a firm and stable clear ground space of 30" by 48" minimum on each usable each side of the kiosk.

mid-term

- 2) As best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.
- 3) As a best practice, lower the map so it is at a suitable viewing height for both seated and standing users.

short-term

- 4) Provide signage at the trailhead that details trail conditions, including trail length, surface type, typical and maximum running and cross slopes, and typical and minimum tread width. Other recommended information includes providing a description of potential obstacles, distances to experiences and/or features, and graphics, such as a cross-section that demonstrates slope conditions.

short-term

06**Picnic Tables**

- 1) Provide 36" of clear ground space on all usable sides of the tables, measured from the back edge of the benches. Clear space should have 2% maximum slopes in all directions.

mid-term

07 Grill

- 1) Replace grill with an accessible unit that is operable with one hand and does not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds maximum.

short-term

- 2) Provide clear ground space, 48" minimum width, on all usable sides of grill. Clear space should have 2% maximum slopes in all directions.

mid-term

08 Trash Receptacles

- 1) Improve the clear ground space at the trash receptacles to be 2% in all directions.

mid-term

- 2) Improve the trash receptacles to be operable with a closed fist and no more than 5 pounds of force.

short-term

09 Interpretive Wayside

- 1) As a best practice, use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.

short-term

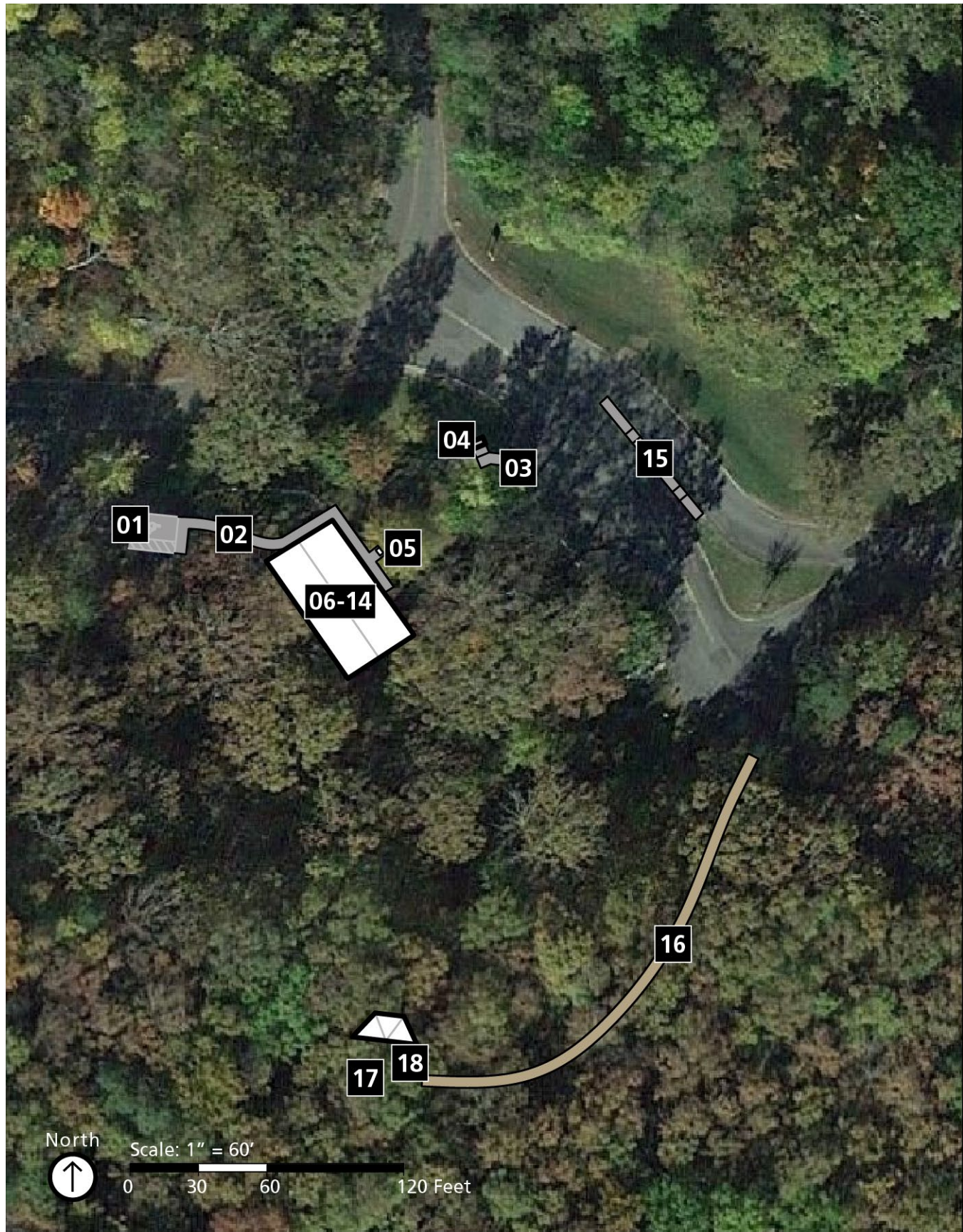
10 Bench

- 1) As a best practice, install bench seats so their surface is 17" to 19" above the ground.
- 2) Provide a 36" by 48" clear ground space at the bench, with slopes no greater than 2% in all directions. Ensure that clear ground space adjoins an outdoor recreation access route.

short-term

ROUND SPRING

Ranger Station and Amphitheater



Implementation Strategy

Round Spring is connected to five key park experiences: karst systems, rivers, ecosystems and endemic species, cultural history, and recreation. The site of the only cave open to park visitors, Round Spring offers a wide variety of park experiences. A large campground with individual sites and nine group sites allows many visitors to enjoy the picnic facilities, amphitheater, Round Spring water feature, trail system, concession operations, and water access. In general, there are minor accessibility barriers at Round Spring. The current access route from the car parking area to the ranger station has high slopes. The designated accessible campsite has undefined routes with limited clear floor space around features, similar to the group campsites. The entrance to the cave requires going up uneven stairs, and small navigable spaces within the cave tour limit accessibility. Stairs along the trail to the viewing area of Round Spring also limit accessibility to the overlook. The restrooms at group sites #1-#3 and the shower house are completely accessible. Improving routes to campground features, the cave, and the spring will increase opportunities available to visitors.

The following improvements to this park area are planned:

01 Car Parking

- 1) Recommend providing two accessible parking stalls in the current ranger parking area, which will provide easier access to the ranger station. Ensure there is one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

02 Accessible Route

- 1) Provide a route between the new accessible parking stall (where rangers park) to the ranger station to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The route shall be firm, stable, and slip resistant.

mid-term

03 Accessible Route

- 1) Provide a route to the fee kiosk to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The route shall be firm, stable, and slip resistant.

mid-term

04 Fee Kiosk

- 1) Provide clear ground space at wayside exhibit, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

- 2) Move fee envelope box so all operable parts and features are within an accessible reach range of 15" to 48" from the ground. Ensure that box flap can be operable with a closed fist and no more than 5 pounds of force.
- 3) As a best practice, provide location of accessible campsites on website, brochures, or at kiosks.

short-term

05 Interpretive Wayside

- 1) Provide clear ground space at wayside exhibit, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

06 Accessible Route

- 1) Provide a route to the telephone to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The route shall be firm, stable, and slip resistant.

mid-term

07 Public Telephone

- 1) Improve the latch so it is operable with one hand and the force required to open is 5 pounds maximum. Provide volume controls. Ensure the key pad is within the reach range of 15"–48" from the ground. The cord length shall be 29" long minimum. If the public telephone remains in use, add a TTY or replace the unit with a unit that has a TTY.

short-term

08 Accessible Route

- 1) Ensure vertical thresholds are no higher than ¼".

mid-term

09 Benches

- 1) Relocate the bench to provide a companion seating space. The companion seating space shall be 30" by 48" minimum from a forward approach at a 2% maximum slope in any direction.

short-term

10 Service Counter

- 1) Improve the service counter to provide a parallel approach with a 36" minimum width section 36" maximum in height or a forward approach with a 30" minimum width section 36" maximum in height at each. If a forward approach, provide 27" minimum knee clearance extending 11" minimum under the service counter and 9" minimum toe clearance.

short-term

11 Accessible Route

- 1) Provide an accessible route at a minimum of 36" wide around the visitor center and interpretive exhibits. As a best practice create a SOP with furniture placement guidelines.

immediate

12 Restroom

- 1) Relocate the tactile signage so the bottom of the tactile characters are 48" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.
- 3) Relocate paper towel dispenser to adhere to reach range of 15" minimum and 48" maximum from the floor and does not protrude more than 4" from the wall.
- 4) Relocate needle disposal to adhere to reach range of 15" minimum and 48" maximum from the floor and does not protrude more than 4" from the wall.

short-term

- 5) Improve or replace the toilet so that the flusher is on the open side of the toilet.

mid-term

- 6) Provide grab bars on the side wall and rear wall with 1½" between the wall and the bar. Ensure the grab bars are 33"–36" above the floor. The side wall grab bar shall be between 16" and 18" from the centerline of the toilet. The rear wall grab bar shall be at least 1' on the closed side of the toilet and 2' on the open side.

short-term

- 7) Insulate or otherwise configure supply and drain pipes under the sink to protect against contact.

immediate

13

Accessible Route

- 1) Provide a circular turning space outside of the restroom that has a minimum diameter of 60".

mid-term

14

Accessible Route

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

15

Dump Station

- 1) Ensure operable parts and features are no higher than 46" from the ground. Ensure that water valve can be operable with a closed fist and no more than 5 pounds of force.
- 2) Provide clear ground space at potable water station, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

16**Accessible Route**

- 1) Improve the route between the campground road and the amphitheater to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The route shall be firm, stable, and slip resistant.

mid-term

17**Seating**

- 1) Provide designated accessible seating and companion seating. Spaces shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. The wheelchair space shall be 36" minimum in width and 48" minimum in depth (33" apiece if adjacent to one another) when entered from the front or rear (60" minimum depth when entered from the side). The companion seat shall be in shoulder alignment with the adjacent wheelchair space.

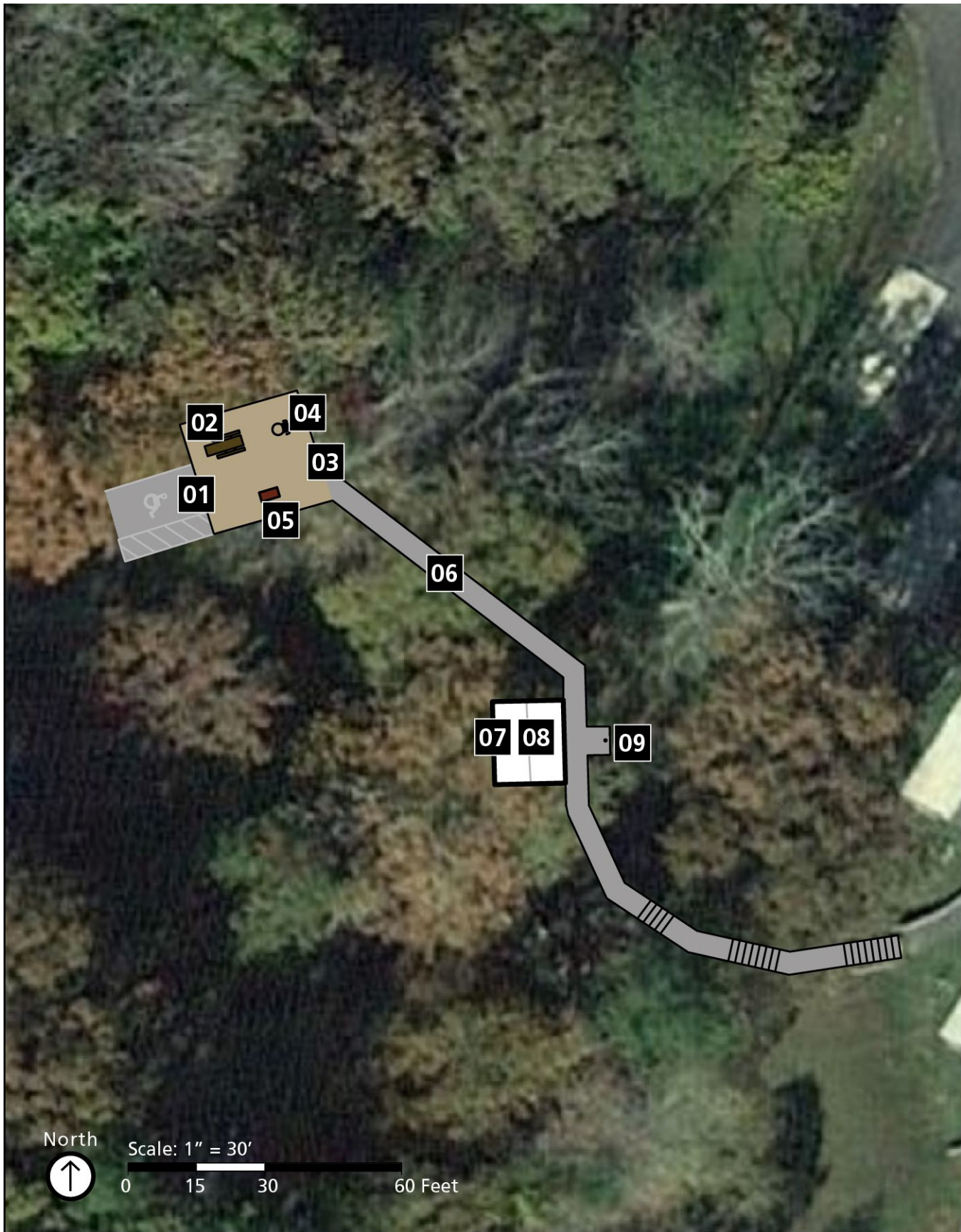
mid-term

18**Accessible Route**

- 1) Provide a route to the stage to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The route shall be firm, stable, and slip resistant.

mid-term

Campsite #9



Implementation Strategy

The following improvements to this park area are planned:

Campground

- 1) Provide an additional three accessible campsites and one accessible group campsite so that the parking stalls, outdoor constructed features, and routes meet the requirements of ABAAS, including Chapter 2 Scoping Requirements and Chapter 10 Recreation Facilities. Accessible campsites shall be distributed among the various loops and units available.

mid-term

01 Outdoor Recreation Access Route

- 1) Improve the route from the parking area to the campsite features to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

mid-term

02 Picnic Facilities

- 1) Provide an accessible table that has an extended section, or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

03 Lantern Hook

- 1) Provide a lantern hook that is within the unobstructed reach range of 15"–48" above the ground. Ensure the hook does not protrude more than 12" from the pole to meet post-mounted protruding objects standards.

immediate

04 Fire Rings

- 1) Provide a clear ground space 48" in width on all usable sides of the fire ring. It shall be firm and stable and a 2% maximum slope in all directions. Fire building surface shall be 9" minimum above the ground.

mid-term

05**Grills**

- 1) Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible grills with a 2% maximum slope in all directions or 5% if necessary for drainage.

mid-term

06**Outdoor Recreation Access Route**

- 1) Improve the route from the campsite to the restroom to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

mid-term

07**Women's Restroom**

- 1) The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.

short-term

- 3) Provide 30" by 48" minimum clear floor space in front of the trash can.
- 4) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

08**Men's Restroom**

- 1) The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.

short-term

- 3) Provide 30" by 48" minimum clear floor space in front of the trash can.

- 4) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

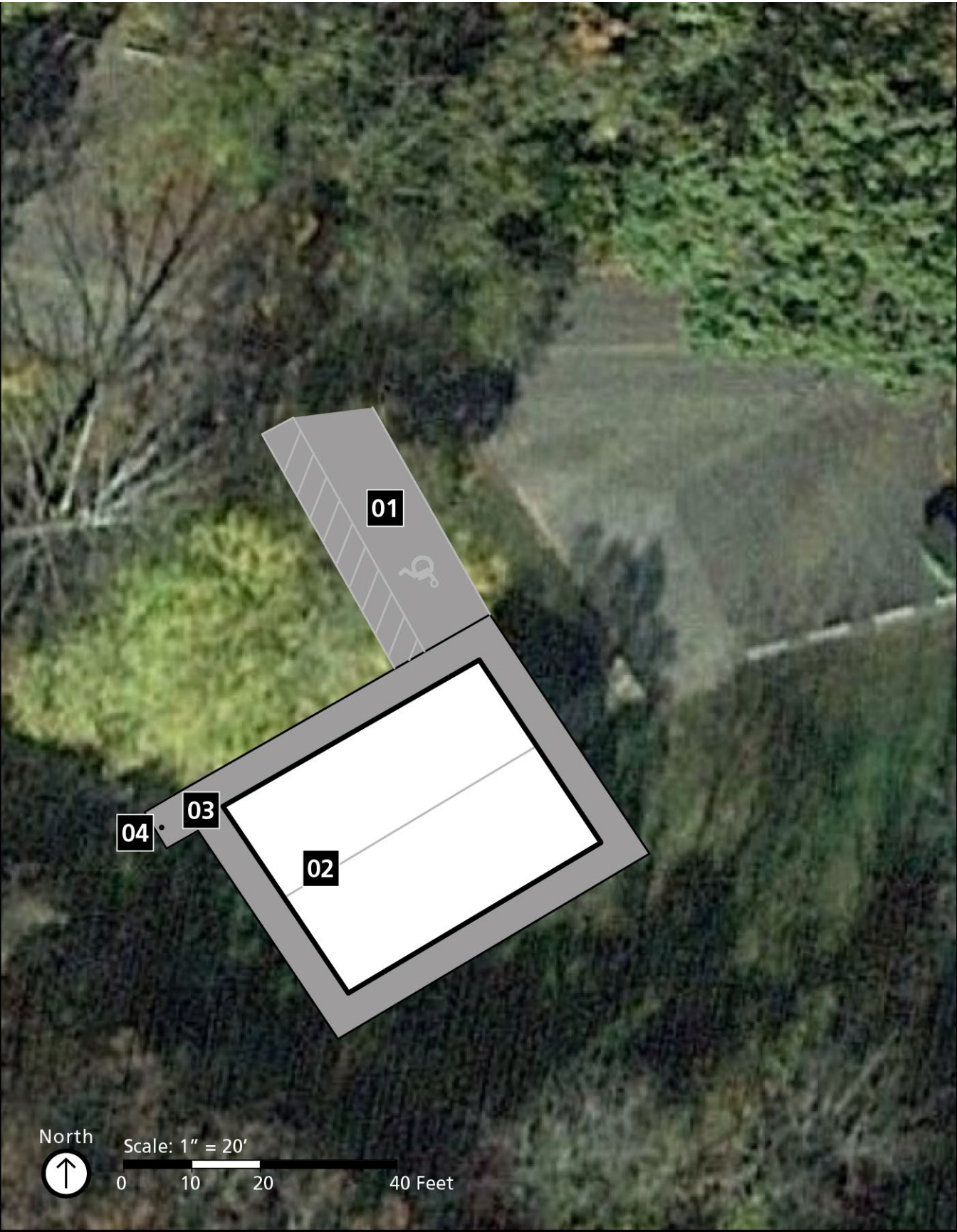
09

Water Hydrant

- 1) Improve the water hydrant to be operable with a closed fist and no more than 5 pounds of force.
- 2) Ensure vertical thresholds are no higher than ¼".

short-term

Campground Shower Building



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. Provide "van accessible" signage on the van-accessible stall.

mid-term

02 Showers

- 1) Remove the partition wall in the three additional showers to allow for a 60" by 60" clear space.

mid-term

03 Accessible Route

- 1) Provide a route to the water hydrant to have a running slope no greater than 5% and a cross slope no greater than 2%. The running slope may be up to 8.3% with handrails. The route shall be firm, stable, and slip resistant.

mid-term

04 Water Hydrant

- 1) Provide a firm and stable clear ground space 72" by 48" minimum at a 2% maximum slope in all directions at the hydrant. The space shall be located so that the water spout is between 11" and 12" from the rear center of the long side of the space.

mid-term

- 2) Improve the water hydrant to be operable with a closed fist and no more than 5 pounds of force.

short-term

Day Use Area



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

short-term

02 Benches

- 1) Provide companion seating at one bench. The companion seating space shall be 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

short-term

03 Women's Restroom

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.
- 3) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

short-term

mid-term

04 Men's Restroom

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.

short-term

- 3) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

05

Car Parking

- 1) As a best practice provide accessible parking near all features. Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

06

Outdoor Recreation Access Route

- 1) Improve the route from the pavilion to the water hydrant and grill to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope (if paved). Segments up to 10% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

mid-term

07

Water Hydrant

- 1) Improve the water hydrant by providing a firm and stable clear ground space 72" by 48" minimum at a 2% maximum slope in all directions. The space shall be located so that the water spout is between 11" and 12" from the rear center of the long side of the space. Ensure that the faucet is between 15" and 48" above the ground with a water hose operable with a closed fist and no more than 5 pounds of force.

short-term

08 Grills

- 1) Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible grills with a 2% maximum slope in all directions or 5% if necessary for drainage.

mid-term

09 Picnic Facilities

- 1) Ensure 20% of picnic table area accessible. The tables shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure tables to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

10 Picnic Facilities

- 1) Ensure that at least 20% of picnic tables in the grass area are accessible and are dispersed throughout the picnicking area to provide a variety of picnicking experiences. Each table shall have an extended section, or a bench cut out with appropriate knee and toe clearance. Secure tables to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible tables. Ensure each accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone.

short-term

11 Grills

- 1) Ensure that at least 20% of grills in the grass area are accessible and are dispersed throughout the picnicking area to provide a variety of picnicking experiences. Provide a firm and stable clear ground space of 48" minimum width on all usable sides of accessible grills with a 2% maximum slope in all directions or 5% if necessary for drainage.

mid-term

12 Playground

- 1) As playground is modified ensure it meets the standards aligned in ABAAS F240 and 1008.

mid-term

13 Interpretive Wayside

- 1) Provide clear ground space at wayside exhibit, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

- 2) Provide signage at the trailheads that detail trail conditions, including trail length, surface type, typical and maximum running and cross slopes, and typical and minimum tread width. Other recommended information includes providing a description of potential obstacles, distances to experiences and/or features, and graphics, such as a cross-section that demonstrates slope conditions.

short-term

14 Viewing Area

- 1) Provide an accessible overlook area with views of Round Spring. Ensure the pull-off has clear ground space, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

15 Bench

- 1) As a best practice, provide a bench with a firm and stable surface, 36" by 48" minimum adjacent to the bench, and at a 2% maximum slope in all directions.

short-term

16 Interpretive Wayside

- 1) Relocate or duplicate this wayside exhibit at the overlook.

short-term

17 Viewing Area

- 1) Provide a programmatic alternative to the experience at the Upper Round Spring Viewing Area.

mid-term

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Group Sites #1 - #3



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) As a best practice, pave the access aisle next to the accessible stall near the restroom for easier maintenance. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in any direction.

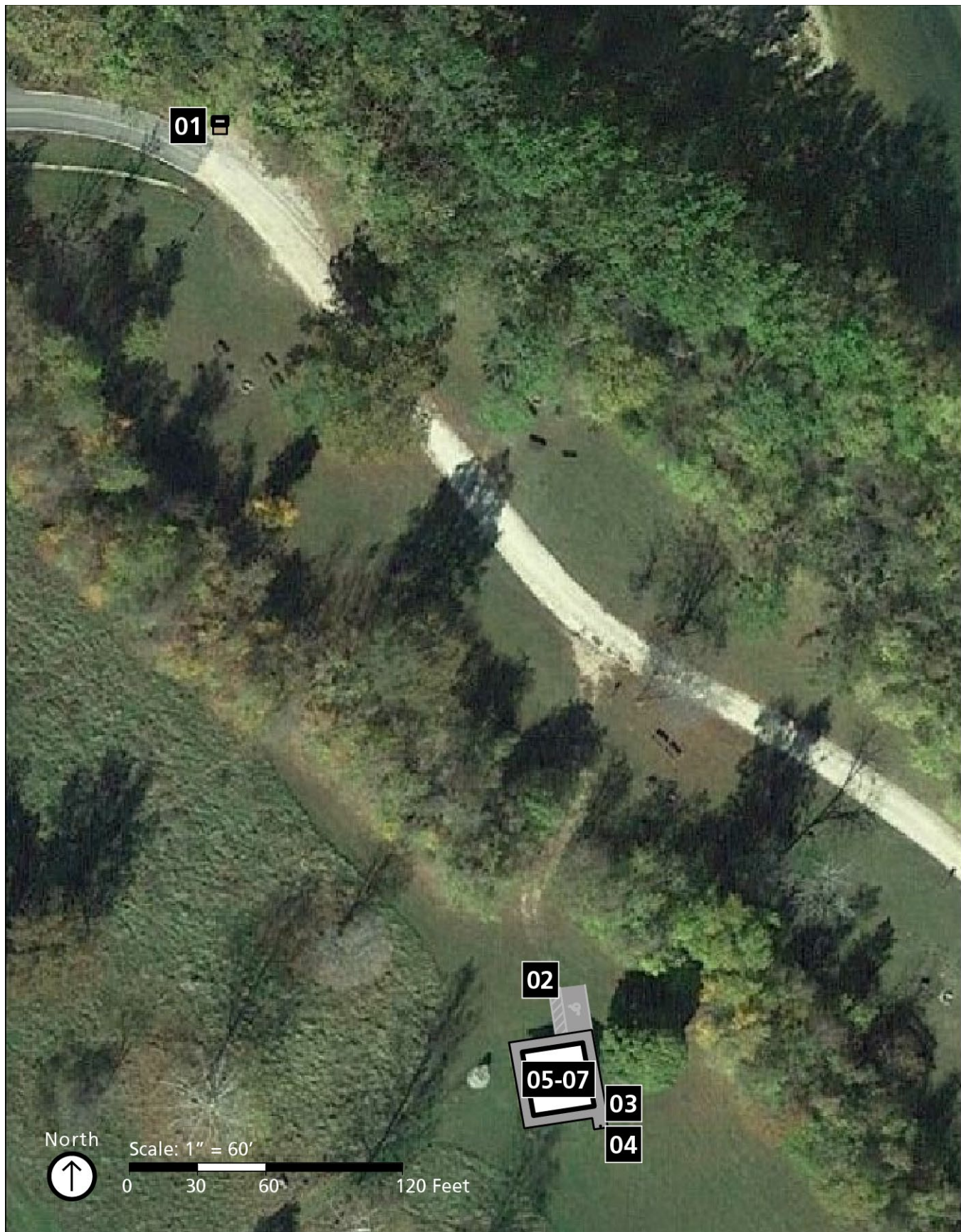
mid-term

02 Camping Facilities

- 1) Provide at least one accessible group campsite so that the parking stalls, outdoor constructed features, and routes meet the requirements of ABAAS, including Chapter 2 Scoping Requirements and Chapter 10 Recreation Facilities. Accessible campsites shall be distributed among the various loops and units available.

mid-term

Group Sites #4 - #9



Implementation Strategy

The following improvements to this park area are planned:

01 Fee Kiosk

- 1) Provide a clear ground space at kiosk, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

- 2) As a best practice, provide location of accessible campsites on website, brochures, or at kiosks.

short-term

02 Car Parking

- 1) As a best practice provide an accessible car parking at the group campsite restrooms. Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

03 Accessible Route

- 1) Ensure vertical thresholds are no higher than ¼".

short-term

04 Water Hydrant

- 1) Modify the approach to provide a firm and stable clear ground space 72" by 48" minimum at a 2% maximum slope in all directions at the hydrant. The space shall be located so that the water spout is between 11" and 12" from the rear center of the long side of the space. Ensure that the spout is operable with a closed fist and no more than 5 pounds of force.

mid-term

05**Women's Restroom**

- 1) Ensure vertical thresholds are no higher than ¼".
- 2) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 3) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.

short-term

- 4) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

06**Men's Restroom**

- 1) Ensure vertical thresholds are no higher than ¼".
- 2) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 3) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.

short-term

- 4) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

07**Showers**

- 1) When feasible, retrofit the other four showers to comply with ABAAS 608.

long-term

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Concessions and Water Access



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide three accessible car parking stalls. Ensure there is one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

02 Water Hydrant

- 1) Modify the approach to provide a firm and stable clear ground space 72" by 48" minimum at a 2% maximum slope in all directions at the hydrant. The space shall be located so that the water spout is between 11" and 12" from the rear center of the long side of the space.

mid-term

03 Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

04 Women's Restroom

- 1) Ensure vertical thresholds are no higher than ¼".

short-term

- 2) Provide clear ground space in front of the restroom entry door, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

- 3) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

- 4) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.

short-term

- 5) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

05

Men's Restroom

- 1) Ensure vertical thresholds are no higher than ¼".

short-term

- 2) Provide clear ground space in front of the restroom entry door, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

- 3) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

- 4) Lower the mirror above the sink so that its bottom edge is no more than 40" above the floor.

short-term

- 5) Improve the restroom to provide an accessible toilet compartment with fixtures, dispensers, grab bars, and accessory items that meet the requirements of ABAAS.

mid-term

06

Car Parking

- 1) Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the

ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

07 Accessible Route

- 1) Provide a ramp from the parking area to the concessions building that provides the least possible running slope (with maximum being 12.5%) and has a cross slope of no more than 2%. Landings at the top and bottom of the ramp are required and must be a stable, flat, firm surface with a 2% maximum slope in all directions. Clear landing length is at least 60" long and clear width is at least as wide as the widest ramp run, or 60" minimum if there is a change of direction.

mid-term

08 Accessible Route

- 1) Provide an accessible route at a minimum of 36" wide around the inside of the concessions building. As a best practice create a SOP with furniture placement guidelines.

mid-term

09 Merchandise Display

- 1) As feasible, distribute items, especially popular ones, lower on shelves and displays. Provide a sign letting visitors know that assistance accessing other items is available.

short-term

10 Service Animals

- 1) Replace signage to clarify that service animals are allowed.

short-term

Round Spring Cave



Implementation Strategy

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide accessible parking signs to designate the accessible stalls. The signs shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

short-term

02 Bulletin Board Kiosk

- 1) Provide clear ground space at the bulletin board, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

- 2) As a best practice, improve or replace text to use sans serif fonts, 24-point minimum text, high-contrast images and text, and minimize the use of all caps and italics.
- 3) Provide signage at the trailheads that detail trail conditions, including trail length, surface type, typical and maximum running and cross slopes, and typical and minimum tread width. Other recommended information includes providing a description of potential obstacles, distances to experiences and/or features, and graphics, such as a cross-section that demonstrates slope conditions.

short-term

03 Interpretive Wayside

- 1) Provide clear ground space at the interpretive waysides, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

04 Trails

- 1) Improve the trail to be 36" minimum in width with a 2% maximum cross slope and a 5% maximum running slope. Segments up to 12% are allowed for short distances but must include resting intervals at the top and bottom of each segment. Routes shall be firm and stable.

mid-term

05 Viewing Area

- 1) Provide an accessible overlook area with views of the entrance to Round Spring Cave. Ensure the pull-off has clear ground space, 30" by 48" minimum from a forward approach at a 2% maximum slope in all directions.

mid-term

06 Bench

- 1) As a best practice, provide a bench with a firm and stable surface, 36" by 48" minimum adjacent to the bench, and at a 2% maximum slope in all directions.

short-term

07 Interpretive Wayside

- 1) Relocate or duplicate this wayside exhibit at the Round Spring Cave Overlook.

mid-term

08 Hand Railings

- 1) Provide handrails on both sides of the bridge and 1' handrail extensions at each end of the bridge. Handrails shall be 34"–38" high.

mid-term

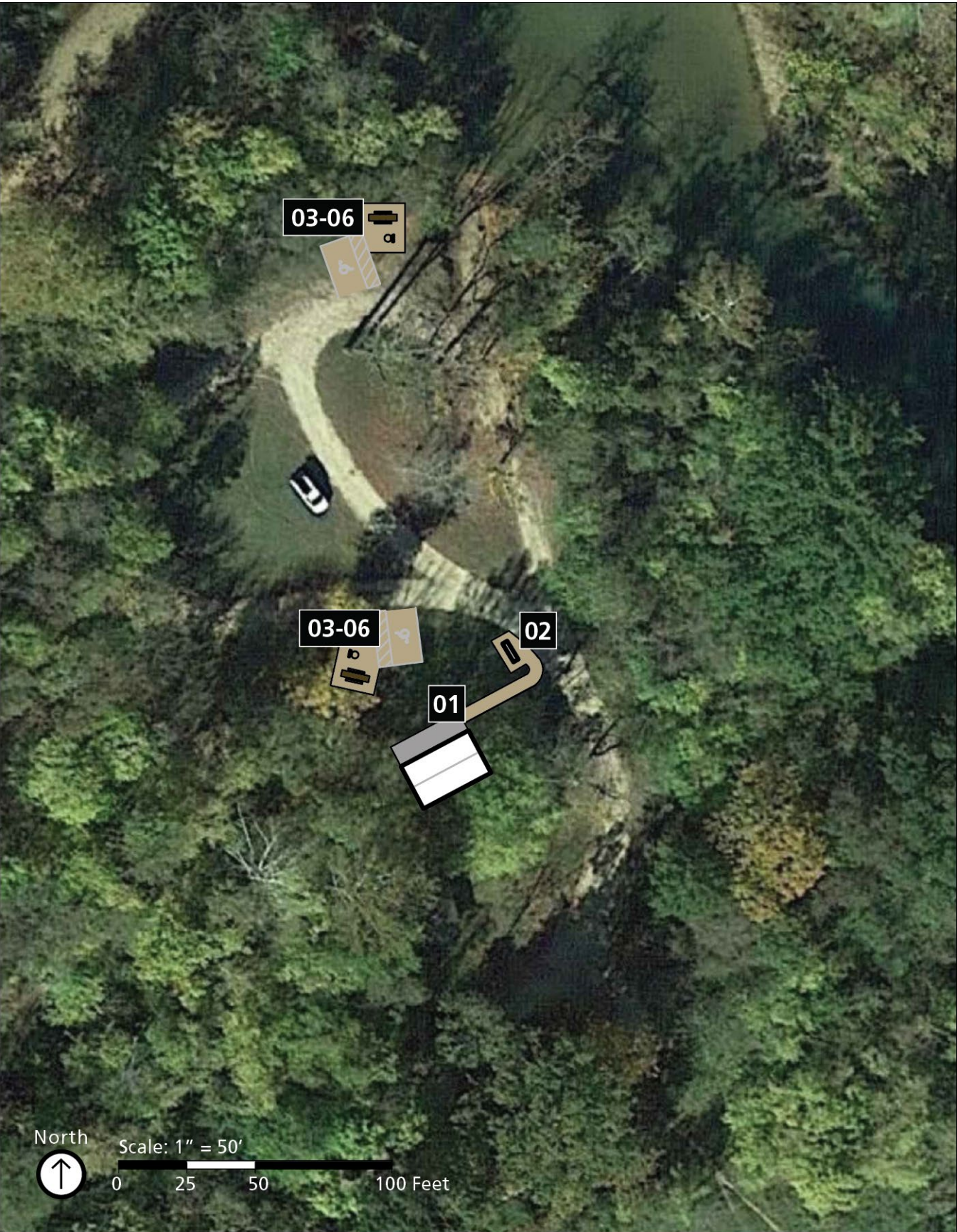
09 Stairs

- 1) Provide handrails on both sides of the stairs and 1' handrail extensions at the top and bottom of ramp runs. Risers and treads shall be uniform. Risers shall be 4"–7" high and treads shall be a minimum of 11" deep.

mid-term

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SHAWNEE CREEK
Campground



Implementation Strategy

Shawnee Creek is connected to three key park experiences: rivers, ecosystems and endemic species, and recreation. Shawnee Creek is located along the Jacks Fork River. The backcountry campsite located here has six to eight sites that have creek access. The site has an equestrian staging area that links to an easy-to-moderate seven-mile loop. Visitors can often encounter a wild horse herd that inhabits the area. Primary users of this area are campers and tubers.

The following improvements to this park area are planned:

01 Outdoor Recreation Access Route

- 1) Provide a route to the restrooms that is 36" wide minimum, with 2% maximum cross slope and 5% maximum running slope (wherever possible). Where running slope exceeds 5% up to 8.33%, the maximum segment length permitted is 50'. Where running slope exceeds 8.33% up to 10%, the maximum segment length permitted is 30'. No segment shall be steeper than 10%. Ensure resting intervals are provided at the top and bottom of each segment, regardless of segment length.

mid-term

- 2) Improve change in level between restroom landing and natural surface to be less than ½".

mid-term

02 Kiosk and Iron Ranger

- 1) Provide a clear width of 36" to each side of the kiosk, and a clear ground space of 30" by 48" minimum at each panel, and at the iron ranger.

mid-term

03 Camping Facilities

- 1) Improve two campsites to be accessible so that the parking stalls, tent pads, outdoor constructed features, and routes meet the requirements of ABAAS. Accessible campsites shall be distributed among the various areas and units available.

mid-term

04 **Lantern Hook**

- 1) Lower existing lantern hook or install an additional hook that is within accessible reach range of 15" to 48" above the ground. Ensure that new hooks overhang circulation paths 12" maximum when located between 27" and 80" above the ground.

immediate

05 **Tag Holder**

- 1) Lower existing tag holders or install an additional tag holder that is within accessible reach range of 15" to 48" above the ground.

short-term

06 **Fire Ring**

- 1) Replace grills with accessible units that are operable with one hand and do not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds maximum.

short-term

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TWO RIVERS

Campground and Water Access



Implementation Strategy

Two Rivers is connected to five key park experiences: karst systems, rivers, ecosystems and endemic species, cultural history, and recreation. The Two Rivers site is located at the confluence of the Jacks Fork and Current River. The river access is popular with canoeists, kayakers, and jet boats. Much of the site was affected by recent floods. A temporary concessions store is located above a damaged river viewing area. The site is popular among visitors; parking and camping sites reach capacity early during the high season. Accessible routes and campsites do not currently exist.

The following improvements to this park area are planned:

01 Car Parking

- 1) Provide accessible car parking at the concessions building. Provide one van-accessible parking stall 11' minimum in width with a 5' minimum width access aisle or 8' minimum in width with an 8' minimum width access aisle. The stall and access aisles shall be firm, stable, and slip resistant at a 2% maximum slope in all directions. Provide an accessible parking sign to designate the accessible stall. The sign shall be 60" minimum above the ground to the bottom of the sign. Provide "van accessible" signage on the van-accessible stall.

mid-term

02 Accessible Route

- 1) Provide an accessible route from the parking area to the concessions building. Route shall be firm and stable, 36" minimum width, and have running slopes no greater than 5%, and cross slopes no greater than 2%.

mid-term

03 Accessible Route

- 1) As feasible, provide an accessible route to the concessions building that does not require the use of stairs. If a ramp is provided, it shall be 36" minimum in width and 8.33% maximum in running slope and provide handrails on both sides between 34" and 38" in height above the walking surface. Handrail extensions shall extend 12" minimum beyond the top and bottom of ramp runs.

mid-term

04 Dining Surfaces

- 1) Improve dining surface to be 28" and 34" maximum above the finish floor or ground.

mid-term

05 Interior Signage

- 1) Provide tactile exit signs on the latch side of exit stairways, passageways, and discharge areas. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

06 Public Telephone

- 1) Provide a clear ground space of 30" by 48" minimum at the public telephone, with one full side of the ground space adjoining an accessible route.

mid-term

- 2) Provide volume control complying with ABAAS 704.3.
- 3) Improve telephone cord to be 29" long minimum.
- 4) Replace or otherwise reconfigure the telephone so all operable parts and features are within an accessible reach range of 15"– 48" above the ground.
- 5) As a best practice, mount telephone information signage on the same plane as the telephone, so it is easily legible at different approach angles.

short-term

07 Picnic Tables

- 1) Improve 20% of the picnic tables to be accessible. Ensure accessible tables have an extended section or a bench cut out with appropriate knee and toe clearance. Secure table to a surface with a slope no greater than 2% in any direction. Provide 36" minimum-width clear ground space on all usable sides of accessible table. Ensure the accessible table is connected via an outdoor recreation access route to an accessible parking or drop-off zone. Disperse accessible picnic tables throughout the picnic area.

short-term

08 Kiosk and Iron Ranger

- 1) Provide a clear width of 36" to each side of the kiosk, and a clear ground space of 30" by 48" minimum at each panel, and at the iron ranger.

mid-term

09 Camping Facilities

- 1) Improve two tent-only campsites to be accessible so that the parking stalls, tent pads and shelters, outdoor constructed features, and routes meet the requirements of ABAAS. Accessible campsites shall be distributed among the various areas and units available.

mid-term

10 Camping Facilities

- 1) Improve two tent campsites to be accessible so that the parking stalls, tent pads and shelters, outdoor constructed features, and routes meet the requirements of ABAAS. Accessible campsites shall be distributed among the various areas and units available.

mid-term

11 Camping Facilities

- 1) Improve both cluster campsites to be accessible so that the parking stalls, tent pads and shelters, outdoor constructed features, and routes meet the requirements of ABAAS. Accessible campsites shall be distributed among the various areas and units available.

mid-term

12 Lantern Hooks

- 1) Lower existing lantern hooks or install additional hook that are within accessible reach range of 15" to 48" above the ground. Ensure that new hooks overhang circulation paths 12" maximum when located between 27" and 80" above the ground.

immediate

13 Tag Holder

- 1) Lower existing tag holder or install an additional tag holder that is within accessible reach range of 15" to 48" above the ground.

short-term

14 Fire Ring

- 1) Replace fire ring with an accessible unit that is operable with one hand and does not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds maximum.

short-term

15 Outdoor Recreation Access Route

- 1) Provide a firm and stable route connecting elements within the campsite. The route should have slopes that do not exceed 10% and have no obstacles greater than ½" in height.

mid-term

16 Car Parking

- 1) Reinstall accessible parking signage so it is 60" minimum above the ground, measured to the bottom of the sign.

immediate

- 2) Provide "van accessible" signage on the van-accessible stall.

short-term

17 Showers

- 1) As a best practice, reduce force required to open door to be 10 pounds maximum.

- 2) Improve lock to be operable with less than 5 pounds of force.

short-term

- 3) Refurbish the shower rooms so that all showers are accessible, including shower compartments, dispensers, grab bars, and accessory items. They shall meet the requirements of ABAAS, including Chapter 2 Scoping Requirements (subsection F213) and Chapter 6 Plumbing Elements and Facilities.

mid-term

- 4) Adjust existing hook or add additional hook to provide at least one towel hook that is within an accessible reach range of 15" to 48" above the finish floor.

- 5) Provide grab bars in the accessible shower compartment, following requirements of ABAAS 608 and 609.

short-term

18**Women's Restroom**

- 1) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

- 2) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 3) Lower the mirror above the sink so the bottom edge of the reflecting surface is no more than 40" above the floor.
- 4) Adjust the rear grab bar to extend 24" minimum from the centerline of the toilet on the open side of the toilet room and 12" on the closed side.
- 5) Reinstall toilet paper dispenser to provide 12" space between dispenser opening and sidewall grab bar. Dispenser shall be installed between 15" and 48" above the finish floor measured to the opening, and 7" to 9" in front of the toilet, measured to the centerline of the dispenser.
- 6) Lower existing coat hook or install additional hook that is within accessible reach range of 15" to 48" above the floor.

short-term

19**Men's Restroom**

- 1) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.

short-term

- 2) Insulate or otherwise configure water supply and drain pipes under sink to protect against contact.

immediate

- 3) Lower the mirror above the sink so the bottom edge of the reflecting surface is no more than 40" above the floor.
- 4) Adjust the rear grab bar to extend 24" minimum from the centerline of the toilet on the open side of the toilet room and 12" on the closed side.
- 5) Reinstall toilet paper dispenser to provide 12" space between dispenser opening and sidewall grab bar. Dispenser shall be installed between 15" and 48" above the finish floor measured to the opening, and 7" to 9" in front of the toilet, measured to the centerline of the dispenser.

- 6) Lower existing coat hook or install additional hook that is within accessible reach range of 15" to 48" above the floor.

short-term

20 **Water Hydrant**

- 1) Modify the water hydrant spout to be located 28" to 36" above the ground.

short-term

- 2) Provide a firm and stable clear ground space 72" by 48" minimum at a 2% maximum slope in all directions at the hydrant. The space shall be located so that the water spout is between 11" and 12" from the rear center of the long side of the space.
- 3) Replace or otherwise improve the water hydrant to not require more than 5 pounds of force to operate.

mid-term

21 **Accessible Route**

- 1) Improve surface of route to be firm and stable.
- 2) Provide an accessible route to the water that does not require the use of stairs. If a ramp is provided, it shall be 36" minimum in width and 8.33% maximum in running slope and provide handrails on both sides between 34" and 38" in height above the walking surface. Handrail extensions shall extend 12" minimum beyond the top and bottom of ramp runs.

mid-term

- 3) Provide handrails on both sides of stairs.

short-term

22 **Car Parking**

- 1) Improve accessible parking spaces and access aisles to have slopes that do not exceed 2% in all directions.

mid-term

- 2) Reinstall accessible parking signage so it is 60" minimum above the ground, measured to the bottom of the sign.
- 3) Provide "van accessible" signage on the van-accessible stall.

short-term

23

Men's Restrooms

- 1) Reinstall the hand sanitizer dispenser so the operable parts are within accessible reach range of 15" to 48" above the finish floor.

immediate

- 2) Raise rear and sidewall grab bars to be at a height of 33" to 36" above the finish floor.

short-term

24

Women's Restrooms

- 1) Raise rear and sidewall grab bars to be at a height of 33" to 36" above the finish floor.

short-term

25

Accessible Route

- 1) Improve route to have running slopes no greater than 5%, and cross slopes no greater than 2%.

mid-term



Implementation Strategy

Waymeyer is connected to three key park experiences: rivers, ecosystems and endemic species, and recreation. The Waymeyer river access on Lower Current is the most heavily used at the park. The access point is primarily used by tubers and kayakers through both concessioners and by private use. A designated unloading lane for concessioners is located on the river side of the loading zone. Private use unloads on the restroom side of the loading zone. The loading zone has loose gravel and steeper cross slopes toward the river. Current parking lot has the capacity for approximately 70 vehicles. One accessible parking spot is located adjacent to the restroom. Waymeyer has two access points to the river; both have steep running slopes to the water's edge along with loose gravel and other natural debris.

The following improvements to this park area are planned:

01 Car Parking

- 1) Improve surface of accessible parking spaces and access aisles to be firm and stable. As surface is improved, ensure that slopes of parking spaces and access aisles do not exceed 2% in all directions.

long-term

- 2) Reinstall accessible parking signage so it is 60" minimum above the ground, measured to the bottom of the sign.

short-term

02 Restroom

- 1) Provide a tactile sign on the latch side of the restroom doors. The bottom of the tactile characters shall be 48" minimum above the ground and the tops of the highest tactile characters 60" minimum above the ground. Ensure there is an 18" by 18" minimum clear space underneath the braille signs.
- 2) Improve grab bar to have no more than a 1½" gap between the inner edge and the wall.

mid-term

- 3) Adjust the rear grab bar to extend 24" minimum from the centerline of the toilet on the open side of the toilet room and 12" on the closed side.
- 4) Reinstall the hand sanitizer dispenser so the operable parts are within accessible reach range of 15" to 48" above the finish floor.
- 5) Reinstall toilet paper dispenser to be between 7" and 9" in front of the toilets to the centerline of the dispenser.

short-term

03

Shuttle Loading Area

- 1) Improve the passenger loading area to have slopes no greater than 2% in all directions.

long-term

04

Beach Access Route

- 1) As feasible, improve route to have running slopes no greater than 5%, and cross slopes no greater than 2%. Ensure that surface of route does not have openings greater than ½".

long-term

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OZARK NATIONAL SCENIC RIVERWAYS POLICIES, PRACTICES, COMMUNICATION, AND TRAINING

Park Features



Implementation Strategy

Park policies and practices are specific to the park unit and provide guidance for reaching desired outcomes. Park policies are defined courses of action adopted by the park, while park practices are those habitual and/or customary performances of operations that the park employs.

Posting and Publications

01 Accessibility Flyers Posted in Common Areas

- 1) Place posters in common areas of staff and visitor buildings that provide accessibility-related information, including requirements, contacts, questions, and complaints.

short-term

02 Publications

- 1) Provide Braille publications and tactile wayfinding maps.
- 2) Provide audio described publications.
- 3) Provide large-print format publications. Use a minimum readable typeface at 18-point font. Align flush left and rag right. Avoid hyphens. Use black or white type color and avoid red text. Avoid italicized and underlined text. Provide graphics with at least 70% contrast.
- 4) Add accessibility information in all publications, as they relate to services, activities, and programs.

mid-term to long-term

Staff Training and Park Protocols

03 Accessibility Awareness Training

- 1) Provide ongoing accessibility awareness training for all staff, including permanent and nonpermanent employees.

short-term

04 Accessible Facilities and Maintenance Training

- 1) Provide ongoing training for maintenance staff on planning, maintaining and constructing accessible facilities, including, but not limited to, restrooms, walks and trails, door pressure requirements, assistive devices, accessible routes, and universal design principles.

short-term

05 Accessibility for Project Managers Training

- 1) Provide ongoing training for project managers to address project accessibility requirements, (e.g., entering accessibility projects in Project Management Information System (PMIS), understanding universal design principles, and overseeing quality control of projects and designs).

short-term

06 Accessible Interpretive Training

- 1) Provide ongoing training for the interpretation and education division.
- 2) Training may include, but is not limited to, how to evaluate programs for accessibility compliance; which websites offer more information; information about service animals; information about Other Power-Driven Mobility Devices (OPDMDs); how and when to offer live audio description programming; accessibility specifications for interpretive tactile models and maps; what assistive technologies are available; universal design principles; visitor services and communication about accessibility. It is also important to provide regular and ongoing visitor information and interpretive staff training in use of, distribution, and procedures for wheelchairs and assistive technology—assistive listening devices, T-coil hearing loops, neck loops, and text telephone machines.

short-term

07 Communication with Law Enforcement

- 1) Provide a standard operation procedure that outlines methods for law enforcement to communicate with a person with a disability.

short-term

08 Emergency Preparedness

- 1) Develop, distribute, and practice standard operating procedures for assisting people with disabilities in the case of an emergency.

mid-term

09**Movable Seating**

- 1) Develop and distribute standard operating procedures for movable cubicles and conference rooms, so there is adequate clear space and accessible routes to all elements in a room or building. Post a map in an area with accessible layout and instructions for use of the space.

short-term

- 2) Develop and distribute standard operating procedures for movable seating arrangements and moving things to create an accessible route and maintain integrated accessible seating. Post a map in an area with accessible layout and instructions for use of the space.

mid-term

10**Service Animals**

- 1) Provide guidance or policy regarding service animals within the park.

mid-term

Audio and Visual Programs**11****Assistive Listening Devices (ALDs)**

- 1) Purchase assistive listening transmitters and devices. Provide these devices at visitor centers, educational programs, and guided tours with audio components.
- 2) Develop and distribute standard operating procedures or guidance for checking out and returning assistive listening devices.
- 3) Develop and distribute standard operating procedures or guidance describing protocol for pre -and post-inspection of the devices and for cleaning and maintaining all devices.
- 4) Provide signage and information where programs are offered stating device availability. Verbally inform visitors and program participants that auxiliary aids are available. Add information to all publications and communications stating that assistive listening devices are available and provide information on how they can be attained.

mid-term to long-term

12**Live Audio Description**

- 1) Provide live audio descriptions on guided interpretive tours when needed.

mid-term

13 Open Captioning and Audio Description

- 1) Provide open captioning on videos and indicate its availability on the park's website.
- 2) Provide audio description of all images shown on the videos.

mid-term to long-term

14 T-Coil Hearing Loops or Neck Loops

- 1) Purchase T-coil hearing loops and neck loops. Inform visitors and program participants that auxiliary aids are available and provide information on check-out procedures. Post signage in appropriate locations and in all publications specifying availability of services.
- 2) Develop and distribute standard operating procedure or guidance for checking out and returning T-coil hearing loops and neck loops.
- 3) Develop and distribute standard operating procedures or guidance for pre-and post-inspection of T-coil hearing loops and neck loops and cleaning and maintenance of all devices.

long-term

15 Text Telephone (TTY) Machines

- 1) Provide a TTY machine at all locations where there is a public telephone.
- 2) Include TTY number on publications and on the park's website with the park contact information and phone number
- 3) Provide a standard operating procedure or guidance describing use and protocol for pre- and post-inspection of TTY machines. Address cleaning and maintenance of all devices.

mid-term to long-term

Visitor Information

16 Communication

- 1) Provide park e-mail address and telephone number on the park's website and in publications for questions.
- 2) Develop an accessibility guide for Ozark National Scenic Riverways that outlines accessible services, activities, and programs.

short-term

17 Outreach

- 1) Conduct outreach via social media (Pinterest, Facebook, Snapchat, Twitter, etc.) to describe accessible programs, services, and activities available at the park.
- 2) Conduct outreach via traditional media and other advertising methods to describe accessible programs, services, and activities available at the park.
- 3) Contact groups with disabilities to inform them about the accessible programs, services, and activities that have become available at the park as solutions are implemented.
- 4) Outreach to and engage groups with disabilities to determine appropriate ways to involve them in park accessibility improvement projects as they occur (case-by-case basis).

short-term to mid-term

18 Reservations

- 1) On the park website, identify the following Federal Relay Service phone numbers: Voice (1-866-377-8642), Voice Carry Over (1-877-877-6280), Speech-to-Speech (1-877-877-8982), and Telebraille (1-866-893-8340). Note that for some of these services (Voice and Voice Carry Over), a user may also dial 711.
- 2) Provide an online reservation system built into the provider's website. Provide accessible formats for making reservations through the Federal Relay Service, Text Telephone (TTY), Video Phone, etc.
- 3) For each park area that requires a reservation, provide information on website reservation systems about accessible services and facilities.

mid-term

19 Signage

- 1) Provide signage at visitor center that states availability of accessible alternative formats.

mid-term

20 Website

- 1) Provide information on the park's website that accessible programs, services, and activities are available, including, but not limited to, audio description, assistive listening devices, Braille/tactile features, accessible tours, open captioning, trails, etc.
- 2) Provide a manual switch on all websites to enable changing font size. Provide flush left and rag right alignment. Avoid hyphens. Use black or white type color. Avoid the use of red or green text. Avoid italicized and underlined text. Avoid use of all caps or italics. Provide graphics with at least 70% contrast. Provide Word documents as an alternative to PDFs.

short-term to mid-term

Tours, Programs, and Special Events

21 Tours (Guided and Self-Guided), Educational Programs, and Special Events

- 1) Upon request, provide alternative formats such as trail information in large print; audio descriptions for tours; educational programs; or special events. Provide alternative formats on park website and in publications at visitor center.
- 2) Provide information on the physical conditions of the tour, education program, or special event (e.g., number of steps, slopes, other barriers that exist, etc.) on-site, in a publication and/or on a website.
- 3) Provide designated stopping points or resting areas for the tour, education program, or special event, with 2% maximum cross and running slopes, firm and stable surfaces, and a minimum 30" by 48" clear space.

mid-term to long-term

22 Sign Language Interpreters

- 1) Develop the process for requesting sign language interpreters. Provide sign language interpreters within five days of request.
- 2) Develop and distribute standard operating procedures for contacting and scheduling sign language interpreters.

mid-term to long-term

23 Special Events

- 1) Provide a system for people to call in and request a sign language interpreter within five days of service. Provide assistive listening devices and a T-coil or neck loop system. Post signage indicating devices and systems are available for special events. Provide large print of any handouts or waivers being provided.
- 2) Provide information on how people can contact the park for accommodations for special events, and release event announcements in a variety of accessible methods (e.g., large-print flyers, electronic accessible PDFs, etc.)
- 3) Develop and distribute a standard operating procedure on how to post accessibility information and how to request accommodations on event announcements.

mid-term to long-term

Concessions and Partnerships

24 Park Partner, Lessee, and Concessionaire Services, Activities, and Programs

- 1) Prepare a standard operating procedure for lessees and park partners about providing accessible programs, services, and activities within the park unit.
- 2) Develop and distribute a standard operating procedure for presentations provided by outside groups regarding accessibility and assistive listening devices.
- 3) Communicate with state partners to ensure that an accessibility assessment and a plan for implementing accessibility solutions is completed. The Architectural Barriers for Accessibility Standards does not apply to state partner lands; however, the Americans with Disabilities Act does. State requirements take precedence in these cases.

- 4) Architectural Barriers Act for Accessibility Standards applies to all lands funded by the federal government. Communicate with park partner and/or concessioners to ensure accessible services, activities, and programs are provided. The National Park Service will conduct an assessment, develop a transition plan, and address park partner concessioner services.

mid-term

CONCLUSION

Ozark National Scenic Riverways is committed to providing all visitors the opportunity to connect with and learn about the park's unique natural, cultural, and recreational resources. Accessibility improvements identified in the Ozark National Scenic Riverways Self-Evaluation and Transition Plan will make it easier for individuals with cognitive, hearing, vision, and mobility disabilities to discover, understand, and enjoy the range of experiences available at the park. Implementation of the plan will ensure that Ozark National Scenic Riverways will continue to work toward accommodating all park visitors while sustaining its legacy to preserve and protect the recreational and educational experiences along the scenic riverways.

The Self-Evaluation and Transition Plan for Ozark National Scenic Riverways is a living document intended to be used as a guiding reference for the park as it implements accessibility upgrades and documents accessibility accomplishments. As barriers to accessibility are removed and/or improved, the changes will be updated in this plan. The park will conduct periodic reviews to evaluate and update conditions to reflect accomplishments and to document new programs or other changes that occur over time. Revisions to the plan may include conducting additional assessments for areas not originally conducted as a part of this plan.

The primary goal of the transition plan is to define key park experiences and document modifications needed to provide independent program participation for the widest range of disabilities possible. As the park works towards its accessibility goals and makes the implementation strategy a reality, both physical and programmatic accessibility will improve across the breadth of key park experiences at Ozark National Scenic Riverways.

For visitors with mobility disabilities, access will be improved from the moment they enter the park. Facilities, as well as numerous programs, services, and activities the park offers will be more universally accessible. Experiences such as floating the river, viewing wildlife and birds, recreational camping, and learning about the human history and environment of the park, will be enhanced.

Park programs will be created and delivered for all visitors, including visitors with mild to severe disabilities impacting their mobility, vision, hearing, and/or cognitive abilities. Ranger led walks/talks, visitor center exhibits, films, trail waysides, and all materials that interpret park resources to the public will be provided in formats that allow visitors with disabilities to participate fully. Some of those formats include, but are not limited to: large-print transcripts for printer materials, audio description for exhibits and films, assistive listening devices and sign language interpreters for ranger-led tours and programs, T-coil hearing loops for park films.

Over time, the results of this collective effort will make Ozark National Scenic Riverways a truly welcoming and accommodating place for all visitors and will provide equal opportunity to access the many places, resources, stories, and experiences the park has to offer.

APPENDIX A: ACCESSIBILITY LAWS, STANDARDS, GUIDELINES, AND NPS POLICIES APPLICABLE TO OZARK NATIONAL SCENIC RIVERWAYS

As a national park, Ozark National Scenic Riverways is required to comply with specific federal laws that mandate that discriminatory barriers be removed to provide equal opportunities to persons with disabilities. The following laws, design guidelines, and Director's Orders specifically pertain to Ozark National Scenic Riverways.

LAWS AND STANDARDS

A law is a principle and regulation established in a community by some authority and applicable to its people, whether in the form of legislation or of custom and policies recognized and enforced by judicial decision. A standard is something considered by an authority or by general consent as a basis of comparison; an approved model. It is a specific low-level mandatory control that helps enforce and support a law.

Architectural Barriers Act of 1968

<http://www.access-board.gov/guidelines-and-standards/buildings-and-sites/about-the-aba-standards/guide-to-the-aba-standards>

The Architectural Barriers Act of 1968 requires physical access to facilities designed, built, altered, or leased with federal funds. The Uniform Federal Accessibility Standards (UFAS) are the design guidelines used as the basis for enforcement of the law. The UFAS regulations were adopted in 1984. Architectural Barriers Act Accessibility Standards (ABAAS) were revised and adopted in November 2005. Four federal agencies are responsible for the standards: the Department of Defense, the Department of Housing and Urban Development, the General Services Administration, and the US Postal Service. The United States Access Board was created to enforce the Architectural Barriers Act, which it does through the investigation of complaints. Anyone concerned about the accessibility of a facility that may have received federal funds can easily file a complaint with the United States Access Board.

Section 504 of the Rehabilitation Act of 1973

<http://www.law.cornell.edu/cfr/text/43/17.550>

To the extent that section 504 of the Rehabilitation Act of 1973 applies to departments and agencies of the federal government, the parks operated by the National Park Service are subject to the provisions of that statute. As will be discussed in the following text, both section 504 and the Architectural Barriers Act require the application of stringent access standards to new construction and the alteration of existing facilities. The Rehabilitation, Comprehensive Services, and Developmental Disabilities Amendments of 1978 (PL 95-602) extends the scope of section 504 of the Rehabilitation Act of 1973 (PL 93-112) to include Executive Branch agencies of the federal government. As amended, section 504 states:

Section 504: No otherwise qualified handicapped individual in the United States, as defined in Section 7 (6), shall, solely by reason of his handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance or under any program or activity conducted by any Executive agency or by the United States Postal Service. The head of each such agency shall promulgate such regulations as may be necessary to carry out the amendments to this section made by the Rehabilitation, Comprehensive Services, and Developmental Disabilities Act of 1978. Copies of any proposed regulation shall be submitted to appropriate authorizing committees of Congress, and such regulation may take effect no earlier than the thirtieth day after the date on which such regulation is so submitted to such committees.

As noted above, section 504 and the Architectural Barriers Act govern new construction and alterations. However, as a civil rights law, section 504 goes further. Unlike the construction-driven ABA mandates, section 504 also requires covered entities to consider the accessibility of programs, services, and activities.

Section 508 of the Rehabilitation Act of 1973

<http://www.section508.gov/>

In 1998, Congress amended the Rehabilitation Act of 1973 to require federal agencies to make their electronic and information technology (EIT) accessible to people with disabilities. Inaccessible technology interferes with an ability to obtain and use information quickly and easily. Section 508 was enacted to eliminate barriers in information technology, open new opportunities for people with disabilities, and encourage development of technologies that will help achieve these goals. The law applies to all federal agencies when they develop, procure, maintain, or use electronic and information technology. Under section 508 (29 USC §794 d), agencies must give disabled employees and members of the public access to information that is comparable to access available to others. It is recommended that you review the laws and regulations discussed in the following sections to further your understanding about section 508 and how you can support implementation.

Accessibility Standards for Outdoor Developed Areas

<http://www.access-board.gov/guidelines-and-standards/recreation-facilities/outdoor-developed-areas/final-guidelines-for-outdoor-developed-areas>

Achieving accessibility in outdoor environments has long been a source of inquiry because of challenges and constraints posed by terrain, the degree of development, construction practices and materials, and other factors. The new provisions address access to trails, picnic and camping areas, viewing areas, beach access routes, and other components of outdoor developed areas on federal sites when newly built or altered. They also provide exceptions for situations where terrain and other factors make compliance impracticable. In 2013, this final rule amended the Architectural Barriers Act Accessibility Guidelines by adding scoping and technical requirements for camping facilities, picnic facilities, viewing

areas, trails, and beach access routes constructed or altered by or on behalf of federal agencies. The final rule ensures that these facilities are readily accessible to and usable by individuals with disabilities. The final rule applies to the following federal agencies and their components that administer outdoor areas developed for recreational purposes: Department of Agriculture (Forest Service); Department of Defense (Army Corps of Engineers); and Department of the Interior (Bureau of Land Management, Bureau of Reclamation, Fish and Wildlife Service, National Park Service). The final rule also applies to nonfederal entities that construct or alter recreation facilities on federal land on behalf of the federal agencies pursuant to a concession contract, partnership agreement, or similar arrangement.

Accessibility Standards for Shared Use Paths

<http://www.access-board.gov/guidelines-and-standards/streets-sidewalks/shared-use-paths>

Shared use paths provide a means of off-road transportation and recreation for various users, including pedestrians, bicyclists, skaters, and others, including people with disabilities. In its rulemaking on public rights-of-way and on trails and other outdoor developed areas, comments from the public urged the board to address access to shared use paths because they are distinct from sidewalks and trails. Shared-use paths, unlike most sidewalks, are physically separated from streets by an open space or barrier. They also differ from trails because they are designed not just for recreation purposes but for transportation as well.

In response, the board is supplementing its rulemaking on public rights-of-way to also cover shared-use paths. The proposed rights-of-way guidelines, which address access to sidewalks, streets, and other pedestrian facilities, provide requirements for pedestrian access routes, including specifications for route width, grade, cross slope, surfaces, and other features. The board proposes to apply these and other relevant requirements to shared-use paths as well. This supplementary rulemaking also would add provisions tailored to shared-use paths into the rights-of-way guidelines.

Draft Accessibility Standards for Public Rights-of-Way

<http://www.access-board.gov/guidelines-and-standards/streets-sidewalks/public-rights-of-way>

Sidewalks, street crossings, and other elements in the public right-of-way can pose challenges to accessibility. The United States Access Board's ADA and ABA Accessibility Guidelines focus mainly on facilities on sites. While they address certain features common to public sidewalks, such as curb ramps, further guidance is necessary to address conditions and constraints unique to public rights-of-way.

The board is developing new guidelines for public rights-of-way that will address various issues, including access for blind pedestrians at street crossings, wheelchair access to on-street parking, and various constraints posed by space limitations, roadway design practices, slope, and terrain. The new guidelines will cover pedestrian access to sidewalks

and streets, including crosswalks, curb ramps, street furnishings, pedestrian signals, parking, and other components of public rights-of-way. The board's aim in developing these guidelines is to ensure that access for persons with disabilities is provided wherever a pedestrian way is newly built or altered, and that the same degree of convenience, connection, and safety afforded the public generally is available to pedestrians with disabilities. Once these guidelines are adopted by the Department of Justice, they will become enforceable standards under ADA Title II.

Effective Communication

<http://www.ada.gov/effective-comm.htm>

People who have vision, hearing, or speech disabilities ("communication disabilities") use different ways to communicate. For example, people who are blind may give and receive information audibly rather than in writing and people who are deaf may give and receive information through writing or sign language rather than through speech. The ADA requires that Title II entities (state and local governments) and Title III entities (businesses and nonprofit organizations that serve the public) communicate effectively with people who have communication disabilities. The goal is to ensure that communication with people with disabilities is equally effective as communication with people without disabilities.

- The purpose of the effective communication rules is to ensure that the person with a vision, hearing, or speech disability can communicate with, receive information from, and convey information to, the covered entity.
- Covered entities must provide auxiliary aids and services when needed to communicate effectively with people who have communication disabilities.
- The key to communicating effectively is to consider the nature, length, complexity, and context of the communication and the person's normal method(s) of communication.

The rules apply to communicating with the person who is receiving the covered entity's goods or services, as well as with that person's parent, spouse, or companion in appropriate circumstances.

Reasonable Accommodations

<http://www.opm.gov/policy-data-oversight/disability-employment/reasonable-accommodations/>

Federal agencies are required by law to provide reasonable accommodation to qualified employees with disabilities. The federal government may provide reasonable accommodation based on appropriate requests (unless so doing will result in undue hardship to the agencies). For more information, see the Equal Employment Opportunity Commission's [Enforcement Guidance: Reasonable Accommodation and Undue Hardship under the Americans with Disabilities Act \(external link\)](#).

Reasonable accommodations can apply to the duties of the job and/or where and how job tasks are performed. The accommodation should make it easier for the employee to successfully perform the duties of the position. Examples of reasonable accommodations include providing interpreters, readers, or other personal assistance; modifying job duties; restructuring work sites; providing flexible work schedules or work sites (i.e., telework); and providing accessible technology or other workplace adaptive equipment. [Telework \(external link\)](#) provides employees additional flexibility by allowing them to work at a geographically convenient alternative worksite, such as home or a telecenter, on an average of at least one day per week.

Requests are considered on a case-by-case basis. To request reasonable accommodations:

- Look at the vacancy announcement.
- Work directly with person arranging the interviews.
- Contact the agency [Selective Placement Program Coordinator](#).
- Contact the hiring manager and engage in an interactive process to clarify what the person needs and identify reasonable accommodations.
- Make an oral or written request; no special language is needed.

Other Power-Driven Mobility Devices

<http://www.ada.gov/regs2010/ADAREgs2010.htm>

The definition and regulation to permit the use of mobility devices has been amended. The rule adopts a two-tiered approach to mobility devices, drawing distinctions between wheelchairs and other power-driven mobility devices such as the Segway Human Transporter. Wheelchairs (and other devices designed for use by people with mobility impairments) must be permitted in all areas open to pedestrian use. Other power-driven mobility devices must be permitted for use unless the covered entity can demonstrate that such use would fundamentally alter its programs, services, or activities, create a direct threat, or create a safety hazard. The rule also lists factors to consider in making this determination.

Service Animals

<http://www.nps.gov/goga/planyourvisit/service-animals.htm>

The following is excerpted from the Department of Justice and Americans with Disabilities Act Revised Regulations (effective 3/15/2011).

34.104 Definitions: Service animal means any dog [or miniature horse as outlined in the following text] that is individually trained to do work or perform tasks for the benefit of an individual with a disability, including a physical, sensory, psychiatric, intellectual, or other mental disability. Other species of animals, whether wild or domestic, trained or untrained, are not service animals for the purposes of this definition. The work or tasks performed by a service animal must be directly related to the handler's disability. Examples of work or tasks include, but are not limited to, assisting individuals who are blind or have low vision with navigation and other tasks, alerting individuals who are deaf or hard of hearing to the presence of people or sounds, providing nonviolent protection or rescue work, pulling a wheelchair, assisting an individual during a seizure, alerting individuals to the presence of allergens, retrieving items such as medicine or the telephone, providing physical support and assistance with balance and stability to individuals with mobility disabilities, and helping persons with psychiatric and neurological disabilities by preventing or interrupting impulsive or destructive behaviors. The crime deterrent effects of an animal's presence and the provision of emotional support, well-being, comfort, or companionship do not constitute work or tasks for the purposes of this definition.

- a. General. Generally, a public entity shall modify its policies, practices, or procedures to permit the use of a service animal by an individual with a disability.
- b. Exceptions. A public entity may ask an individual with a disability to remove a service animal from the premises if-
 - (1) The animal is out of control and the animal's handler does not take effective action to control it; or
 - (2) The animal is not housebroken.
- c. If an animal is properly excluded. If a public entity properly excludes a service animal under § 35.136(b), it shall give the individual with a disability the opportunity to participate in the service, program, or activity without having the service animal on the premises.
- d. Animal under handler's control. A service animal shall be under the control of its handler. A service animal shall have a harness, leash, or other tether, unless either the handler is unable because of a disability to use a harness, leash, or other tether, or the use of a harness, leash, or other tether would interfere with the service animal's safe, effective performance of work or tasks, in which case the service animal must be otherwise under the handler's control (e.g., voice control, signals, or other effective means).

- e. Care or supervision. A public entity is not responsible for the care or supervision of a service animal.
- f. Inquiries. A public entity shall not ask about the nature or extent of a person's disability, but may make two inquiries to determine whether an animal qualifies as a service animal. A public entity may ask if the animal is required because of a disability and what work or task the animal has been trained to perform. A public entity shall not require documentation, such as proof that the animal has been certified, trained, or licensed as a service animal. Generally, a public entity may not make these inquiries about a service animal when it is readily apparent that an animal is trained to do work or perform tasks for an individual with a disability (e.g., the dog is observed guiding an individual who is blind or has low vision, pulling a person's wheelchair, or providing assistance with stability or balance to an individual with an observable mobility disability).
- g. Access to areas of a public entity. Individuals with disabilities shall be permitted to be accompanied by their service animals in all areas of a public entity's facilities where members of the public, participants in services, programs or activities, or invitees, as relevant, are allowed to go.
- h. Surcharges. A public entity shall not ask or require an individual with a disability to pay a surcharge, even if people accompanied by pets are required to pay fees, or to comply with other requirements generally not applicable to people without pets. If a public entity normally charges individuals for the damage they cause, an individual with a disability may be charged for damage caused by his or her service animal.
- i. Miniature horses.
 - (1) Reasonable modifications. A public entity shall make reasonable modifications in policies, practices, or procedures to permit the use of a miniature horse by an individual with a disability if the miniature horse has been individually trained to do work or perform tasks for the benefit of the individual with a disability.
 - (2) Assessment factors. In determining whether reasonable modifications in policies, practices, or procedures can be made to allow a miniature horse into a specific facility, a public entity shall consider-
 - i. The type, size, and weight of the miniature horse and whether the facility can accommodate these features;
 - ii. Whether the handler has sufficient control of the miniature horse;
 - iii. Whether the miniature horse is housebroken; and
 - iv. Whether the miniature horse's presence in a specific facility compromises legitimate safety requirements that are necessary for safe operation.

(C) Other requirements. Paragraphs 35.136 (c) through (h) of this section, which apply to service animals, shall also apply to miniature horses.

Section 17.549 Program Accessibility: Discrimination Prohibited

<http://www.law.cornell.edu/cfr/text/43/17.549>

Except as otherwise provided in §17.550, no qualified handicapped person shall, because the agency's facilities are inaccessible to or unusable by handicapped persons, be denied the benefits of, be excluded from participation in, or otherwise be subjected to discrimination under any program or activity conducted by the agency.

The reference to §17.550 in the below quotes is intended to address exclusions available to covered entities in connection with existing facilities.

Section 17.550 Program Accessibility: Existing Facilities

<http://www.law.cornell.edu/cfr/text/43/17.550>

(a) General. The agency shall operate each program or activity so that the program or activity, when viewed in its entirety, is readily accessible to and usable by people with disabilities. This paragraph does not:

- (1) Necessarily require the agency to make each of its existing facilities or every part of a facility accessible to and usable by people with disabilities;
- (2) In the case of historic preservation programs, require the agency to take any action that would result in a substantial impairment of significant historic features of an historic property; or
- (3) Require the agency to take any action that it can demonstrate would result in a fundamental alteration in the nature of a program or activity or in undue financial and administrative burdens. In those circumstances where agency personnel believe that the proposed action would fundamentally alter the program or activity or would result in undue financial and administrative burdens, the agency has the burden of proving that compliance with §17.550(a) would result in such an alteration or burdens. The decision that compliance would result in such alteration or burdens must be made by the agency head or his or her designee after considering all agency resources available for use in the funding and operation of the conducted program or activity, and must be accompanied by a written statement of the reasons for reaching that conclusion. If an action would result in such an alteration or such burdens, the agency shall take any other action that would not result in such an alteration or such burdens but would nevertheless ensure that handicapped persons receive the benefits and services of the program or activity.

(b) Methods.

- (1) **General.** The agency may comply with the requirements of this section through such means as redesign of equipment, reassignment of services to accessible locations, assignment of aides to beneficiaries, home visits, delivery of services at alternate accessible sites, alteration of existing facilities and construction of new facilities, use of accessible rolling stock, or any other methods that result in making its programs or activities readily accessible to and usable by people with disabilities. The agency is not required to make structural changes in existing facilities where other methods are effective in achieving compliance with this section. The agency, in making alterations to existing buildings, shall meet accessibility requirements to the extent compelled by the Architectural Barriers Act of 1968, as amended (42 USC 4151–4157) and any regulations implementing it. In choosing among available methods for meeting the requirements of this section, the agency shall give priority to those methods that offer programs and activities to qualified handicapped persons in the most integrated setting appropriate.
- (2) **Historic preservation programs.** In meeting the requirements of paragraph (a) of this section in historic preservation programs, the agency shall give priority to methods that provide physical access to handicapped persons. In cases where a physical alteration to an historic property is not required because of paragraph (a)(2) or (a)(3) of this section, alternative, methods of achieving program accessibility include:
- (i) Using audio-visual materials and devices to depict those portions of an historic property that cannot otherwise be made accessible;
 - (ii) Assigning persons to guide people with disabilities into or through portions of historic properties that cannot otherwise be made accessible; or
 - (iii) Adopting other innovative methods.
- (3) **Recreation programs.** In meeting the requirements of paragraph (a) in recreation programs, the agency shall provide that the program or activity, when viewed in its entirety, is readily accessible to and usable by people with disabilities. When it is not reasonable to alter natural and physical features, accessibility may be achieved by alternative methods as noted in paragraph (b)(1) of this section.

Section 17.551 Program Accessibility: New Construction and Alterations

<http://www.law.cornell.edu/cfr/text/43/17.551>

Each building or part of a building that is constructed or altered by, on behalf of, or for the use of the agency shall be designed, constructed, or altered so as to be readily accessible to and usable by handicapped persons. The definitions, requirements, and standards of the Architectural Barriers Act (42 USC 4151–4157) as established in 41 CFR 101 – 19.600 to 101 – 19.607 apply to buildings covered by this section.

NATIONAL PARK SERVICE DIRECTOR’S ORDERS AND MANAGEMENT POLICIES

A policy is a definite course of action adopted and pursued by a government, ruler, or political party. It is an action or procedure conforming to or considered with reference to prudence or expediency.

Director’s Order 16A

<http://www.nps.gov/policy/DOrders/DOrder16a.html>

Director’s Order 16A establishes the framework for meeting reasonable accommodation requirements in all areas of employment, including: application, hiring, retention, promotion, recognition, and special hiring authority. Within this framework, NPS Human Resources and Equal Opportunity Program officials will take the lead in providing specific guidance and services to applicants, employees, and supervisors and other managers with respect to the provision of reasonable accommodation.

Director’s Order 42

<http://www.nps.gov/policy/DOrders/DOrder42.html>

Director’s Order 42 addresses accessibility for visitors with disabilities in National Park Service programs and services. It is the goal of the National Park Service to ensure that all people, including persons with disabilities, have the highest level of access that is reasonable to NPS programs, facilities, and services. The order gives detailed guidance based on the minimum requirements set forth in laws, rules, and regulations with the goal to provide the highest level of access that is reasonable, exceeding the minimum level of access required by law. The order sets forth six implementation strategies:

1. to increase employee awareness and technical understanding of accessibility requirements
2. to ensure all new and renovated buildings and facilities, and all new services and programs (including those offered by concessioners and interpreters) will be “universally designed” and implemented in conformance with applicable regulations and standards

3. to ensure existing programs, facilities and services will be evaluated to determine the degree to which they are currently accessible to and useable by individuals with disabilities
4. to ensure that barriers that limit access be identified and incorporated into the NPS Assets Management Program
5. to develop action plans identifying how identified barriers will be removed (where feasible)
6. to ensure action will be taken on a day-to-day basis to eliminate identified barriers, using existing operational funds or other funding sources or partnerships

National Park Service Management Policies: Section 1.9.3 – Accessibility for Persons with Disabilities

<http://www.nps.gov/policy/mp/policies.html>

All practicable efforts will be made to make NPS facilities, programs, services, employment, and meaningful work opportunities accessible and usable by all people, including those with disabilities. This policy reflects the commitment to provide access to the widest cross section of the public and ensure compliance with the Architectural Barriers Act of 1968, the Rehabilitation Act of 1973, the Equal Employment Opportunity Act of 1972, and Americans with Disabilities Act of 1990. Specific guidance for implementing these laws is found in the Secretary of the Interior's regulations regarding enforcement and nondiscrimination on the basis of disability in Department of the Interior programs (43 CFR par 17, subpart E), and the General Service Administration's regulations adopting accessibility standards for the Architectural Barriers Act (41 CFR part 102-76, subpart C).

A primary principle of accessibility is that, to the highest degree practicable, people with disabilities should be able to participate in the same programs, activities, and employment opportunities available to everyone else. In choosing among methods of providing accessibility, higher priority will be given to methods that offer programs and activities in the most integrated setting appropriate. Special, separate, or alternative facilities, programs, or services will be provided only when existing ones cannot reasonable be made accessible. The determination of what is practicable will be made only after careful consultations with persons with disabilities or their representatives. Any decisions that would result in less than equal opportunity is subject the filing of an official disability right complain under the departmental regulations cited above.

GUIDELINES

A guideline is an indication of a future course of action. It consists of recommended, nonmandatory controls that help support standards or serve as a reference when no applicable standard is in place.

Programmatic Accessibility Guidelines for National Park Service Interpretive Media

<http://www.nps.gov/hfc/accessibility/>

The “Programmatic Accessibility Guidelines for National Park Service Interpretive Media” is for media specialists, superintendents, and other NPS employees and contractors who develop and approve interpretive media. Publications, exhibits, audiovisual programs and tours, wayside exhibits, signage, and web-based media provide park visitors with information and context so that their experience of visiting national parks can be both safe and meaningful. Park visitors who have physical, sensory, or cognitive disabilities have legally established civil rights to receive the same information and context that NPS interpretive media products have always provided to their fellow citizens.

APPENDIX B: GLOSSARY OF TERMS

Accessibility assessment: A process in which physical and programmatic barriers to accessibility are identified at a park unit.

Accessibility assessment team: This group is a subgroup of the Interdisciplinary Design Team (see definition below) and includes an accessibility specialist and/or technician, coordinators, a regional representative, the primary facilitator for the process, architect, engineer and/or landscape architect, and typically the chiefs of interpretation, resources management, and facilities management.

Accessibility Self-Evaluation and Transition Plan: A tool that establishes a methodical process for identifying and improving parkwide access and proposes strategies for implementing the plan over time, in a manner consistent with park requirements and protocols.

Architectural Barriers Act Accessibility Standard (ABAAS): Standards issued under the Architectural Barriers Act apply to facilities designed, built, altered, or leased with certain federal funds. Passed in 1968, the Architectural Barriers Act is one of the first laws to address access to the built environment. The law applies to federal buildings, including post offices, social security offices, federal courthouses and prisons, and national parks.

Barrier: Architectural and programmatic obstacles to accessibility that make it difficult, and sometimes impossible, for people with disabilities to maneuver, understand, or experience.

Best practice: A method or technique that has consistently shown results superior to those achieved with other means, and that is used as a benchmark for meeting accessibility requirements.

Consultation: A formal or informal process for discussing an action or process for implementing a solution, such as section 106 (cultural resource compliance), or design for an Accessibility Self-Evaluation and Transition Plan.

Facility Management Software System (FMSS) work order: The process for documenting work needs and collecting information to aid the work scheduling and assignment process within the Facility Management Software System. Information collected should include labor, equipment and material costs, hours, types, and quantities.

Guideline: A guideline is an indication of a future course of action. It consists of recommended, nonmandatory controls that help support standards or serve as a reference when no applicable standard is in place.

Interdisciplinary design team: This team is composed of all the people involved in the workshop at the park unit, potentially including planning, design, and construction professionals; and interpretive, resource (natural and cultural), visitor safety, maintenance and accessibility specialists.

Key park experience: For the purpose of the Self-Evaluation and Transition Plan, key park experiences are those experiences that are iconic and essential for visitors to understand the purpose and significance of a given park unit. They are those experiences that are “musts” for all park visitors. Key park experiences can be identified through a consideration of park purpose, significance, interpretive themes, and those programs or activities highlighted in park communications.

Law: A law is a principle and regulation established in a community by some authority and applicable to its people, whether in the form of legislation or of custom and policies recognized and enforced by judicial decision.

National Environmental Policy Act (NEPA) Requirements: NEPA defines a process that federal agencies must follow when proposing to take actions that have environmental impacts. NEPA requires federal agencies to fully consider the impacts of proposals that would affect the human environment prior to deciding to take an action. NEPA also requires federal agencies to involve the interested and affected public in the decision-making process.

Park area: A park area is the geographic location that is home to a single or multiple key park experience(s).

Park Asset Management Plan-Optimizer Banding (PAMP-OB): Provides a 5-year asset management strategy for park units, allowing for annual updates that coincide with the budget and planning processes already occurring in park units. As this approach includes life cycle total cost of ownership, analysis, processing, and calculations, it also helps park units and the service as a whole to manage the gap between what should be spent on facilities and what is actually being spent.

Park policy: A policy is a definite course of action adopted and pursued by a government, ruler, or political party. It is an action or procedure conforming to or considered with reference to prudence or expediency.

Park practice: Those habitual and/or customary performances or operations for reaching a desired outcome that the park employs.

People-first language: A type of disability etiquette that aims to avoid perceived and subconscious dehumanization when discussing people with disabilities. It emphasizes the person rather than the disability, noting that the disability is not the primary defining characteristic of the individual but one of several aspects of the whole person.

Project Management Information System (PMIS) Facility: A separate and individual building, structure, or other constructed real property improvement.

Project Management Information System (PMIS) Nonfacility: A project that includes anything not covered by the definition for PMIS facility

Project Management Information System (PMIS) # (number): A unique Project ID Number that is automatically generated when adding a new project into the Project Management Information System

Project planning team: This group is a subgroup of the interdisciplinary design team and includes DSC planners and MWR staff. This team collects baseline data, facilitates calls, develops the participant guide, plans for and facilitates the workshop, and produces the draft and final documents.

Readily achievable: Easily accomplished and able to be carried out without much difficulty or expense.

Recommended solution: The action to eliminate the identified barrier.

Responsible person: The person/position responsible for seeing that the elimination of a barrier is completed.

Service, activity, and program: A service, activity, or program that is undertaken by a department and affords benefits, information, opportunities, and activities to one or more members of the public.

Standard: A standard is something considered by an authority or by general consent as a basis of comparison; an approved model. It is a specific low-level mandatory control that helps enforce and support a law.

Time frame: Time frames for implementation of a recommended solution are primarily based on park's ability of the park to complete the improvements within normal scheduling of park operations and planned projects. They describe when staff will eliminate the barrier. Recommended solutions are divided into four time frames including: immediate, short-term, mid-term, and long-term.

APPENDIX C: CONTRIBUTORS

OZARK NATIONAL SCENIC RIVERWAYS

D. Jason Lott, Acting Superintendent
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APPENDIX D: PARK AREAS NOT ASSESSED

The following park areas are those not assessed for this Accessibility Self-Evaluation and Transition Plan. The selection process determined that key park experiences provided in these park areas were available in an equivalent way within the areas that were assessed. If any of the park areas not assessed are improved by new construction or alterations in the future, the area will be assessed and improved to comply with the current Architectural Barriers Act Accessibility Standards.

Rationales are provided below for park areas not assessed for this plan:

Park Area	Rationale
Baptist/Tan Vat	Rationale: Baptist/Tan Vat is connected to one key park experience: rivers. Baptist/Tan Vat offers a moderate diversity of services, activities, and programs and sees moderate visitation.
Bay Creek	Rationale: Bay Creek is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Bay Creek offers a moderate diversity of services, activities, and programs and sees high visitation.
Beal Landing	Rationale: Beal Landing is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Beal Landing offers a low diversity of services, activities, and programs and sees low visitation.
Bee Bluff (Jacks Fork)	Rationale: Bee Bluff (Jacks Fork) will not be assessed because it is a location on the water with no services provided.
Bee Bluff (Upper Current)	Rationale: Bee Bluff (Upper Current) will not be assessed because it is a location on the water with no services provided.
Big Tree	Rationale: Big Tree is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Big Tree offers a low diversity of services, activities, and programs and sees low visitation.
Blue Spring (Jacks Fork)	Rationale: Blue Spring is connected to four key park experiences: karst systems; rivers; ecosystems and endemic species; and recreation. Blue Spring offers a moderate diversity of services, activities, and programs and sees moderate visitation.
Blue Spring (Lower Current)	Rationale: Blue Spring (Lower Current) is connected to five key park experiences: karst systems; rivers; ecosystems and endemic species; cultural history; and recreation. Blue Spring (Lower Current) offers a low diversity of services, activities, and programs and sees low visitation.
Bluff View	Rationale: Bluff View will not be assessed because it is a location on the water with no services provided.
Broadfoot	Rationale: Broadfoot is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Broadfoot offers a low diversity of services, activities, and programs and sees low visitation.
Cataract Landing	Rationale: Cataract Landing will not be assessed because it is decommissioned.

Park Area	Rationale
Cave Spring (Lower Current)	Rationale: Cave Spring (Lower Current) is connected to four key park experiences: karst systems; ecosystems and endemic species; cultural history; and recreation. Cave Spring (Lower Current) offers a low diversity of services, activities, and programs and sees low visitation.
Cave Spring (Upper Current)	Rationale: Cave Spring (Upper Current) will not be assessed because it is outside of NPS Boundaries.
Cedargrove/ Dee Murray	Rationale: Cedargrove/Dee Murray is connected to two key park experiences: rivers; and recreation. Cedargrove/Dee Murray offers a high diversity of services, activities, and programs and sees high visitation.
Chalk Bluff	Rationale: Chalk Bluff will not be assessed because it is a location on the water with no services provided.
Chilton	Rationale: Chilton will not be assessed because it is outside of NPS Boundaries.
Clint Williams Spring	Rationale: Clint Williams Spring will not be assessed because it is outside of NPS Boundaries.
Coot Chute	Rationale: Coot Chute will not be assessed because it is a location on the water with no services provided.
Devils Well	Rationale: Devils Well is connected to four key park experiences: karst systems; ecosystems and endemic species; cultural history; and recreation. Devils Well offers a moderate diversity of services, activities, and programs and sees moderate visitation.
Ebb and Flow Spring	Rationale: Ebb and Flow Spring will not be assessed because it is a location on the water with no services provided.
Fish Trap Hole	Rationale: Fish Trap Hole will not be assessed because no services are provided.
Gooseneck	Rationale: Gooseneck is connected to four key park experiences: rivers; ecosystems and endemic species; cultural history; and recreation. Gooseneck offers a moderate diversity of services, activities, and programs and sees low visitation.
Gravel Springs	Rationale: Gravel Springs will not be assessed because it is a location on the water with no services provided.
Grubb Landing/ Cedar Spring	Rationale: Grubb Landing/Cedar Spring is connected to four key park experiences: karst systems; rivers; ecosystems and endemic species; and recreation. Grubb Landing/Cedar Spring offers a moderate diversity of services, activities, and programs and sees moderate visitation. Additionally, it would be difficult to make this site accessible.
Hickory Landing	Rationale: Hickory Landing is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Hickory Landing offers a low diversity of services, activities, and programs and sees moderate visitation.
Horse Camp	Rationale: Horse Camp is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Horse Camp offers a low diversity of services, activities, and programs and sees low visitation.

Park Area	Rationale
Howell-Maggard Cabin	Rationale: Howell-Maggard Cabin is connected to two key park experiences: cultural history; and recreation. Howell-Maggard Cabin offers a low diversity of services, activities, and programs and sees low visitation.
Jam Up Cave	Rationale: Jam Up Cave will not be assessed because no services are provided.
Jerktail Landing	Rationale: Jerktail Landing is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Jerktail Landing offers a low diversity of services, activities, and programs and sees low visitation.
Kelley Bluff	Rationale: Kelley Bluff will not be assessed because it is a location on the water with no services provided.
Klepzig Mill	Rationale: Klepzig Mill is connected to four key park experiences: karst systems; ecosystems and endemic species; cultural history; and recreation. Klepzig Mill offers a low diversity of services, activities, and programs and sees moderate visitation.
Logyard	Rationale: Logyard is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Logyard offers a high diversity of services, activities, and programs and sees moderate visitation.
Martin Bluff	Rationale: Martin Bluff will not be assessed because it is a location on the water with no services provided.
Meeting House Cave	Rationale: Meeting House Cave will not be assessed because no services are provided.
Montauk Springs	Rationale: Montauk Springs will not be assessed because it is outside of NPS Boundaries.
Nichols Cabin	Rationale: Nichols Cabin is connected to two key park experiences: cultural history; and recreation. Nichols Cabin offers a low diversity of services, activities, and programs and sees low visitation.
Paint Rock	Rationale: Paint Rock will not be assessed because it is outside of NPS Boundaries.
Panther Spring	Rationale: Panther Spring is connected to four key park experiences: karst systems; rivers; ecosystems and endemic species; and recreation. Panther Spring offers a low diversity of services, activities, and programs and sees low visitation.
Phillips Bay	Rationale: Phillips Bay will not be assessed because it is a location on the water with no services provided.
Powder Mill/ Owls Bend	Rationale: Powder Mill/ Owls Bend is connected to four key park experiences: rivers; ecosystems and endemic species; cultural history; and recreation. Powder Mill/Owls Bend offers a moderate diversity of services, activities, and programs and sees moderate visitation.
Raftyard	Rationale: Raftyard is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Raftyard offers a low diversity of services, activities, and programs and sees high visitation.

Park Area	Rationale
Roberts Field	Rationale: Roberts Field is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Roberts Field offers a moderate diversity of services, activities, and programs and sees low visitation.
Rymers	Rationale: Rymers is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Rymers offers a low diversity of services, activities, and programs and sees moderate visitation.
Sinking Creek	Rationale: Sinking Creek is connected to three key park experiences: rivers; ecosystems and endemic species; and recreation. Sinking Creek offers a low diversity of services, activities, and programs and sees moderate visitation.
Troublesome Hollow	Rationale: Troublesome Hollow will not be assessed because it is a location on the water with no services provided.
Twin Rocks	Rationale: Twin Rocks will not be assessed because it is a location on the water with no services provided.
Watercress Park	Rationale: Watercress Park will not be assessed because it is outside of NPS Boundaries.
Welch Hospital	Rationale: Welch Hospital is connected to five key park experiences: karst systems; rivers; ecosystems and endemic species; cultural history; and recreation. Welch Hospital offers a low diversity of services, activities, and programs and sees low visitation.
Welch Landing	Rationale: Welch Landing is connected to five key park experiences: karst systems; rivers; ecosystems and endemic species; cultural history; and recreation. Welch Landing offers a low diversity of services, activities, and programs and sees low visitation.

APPENDIX E: ACTIONS TAKEN BY THE PARK

Identification no. _____

Record this identification number in the implementation table where this action is identified. Use this template to track and document accessibility actions and accomplishments throughout the park.

Action Taken by Ozark National Scenic Riverways

Location: [Park Area]

Barrier:

Action taken:

Date work was completed:

PMIS Number(s) and Title(s):

Cost:

Photograph(s), sketches, or notes documenting completed work:

Submitted by:

Date:

APPENDIX F: GUIDANCE FOR PREPARING PMIS PACKAGES FOR ACCESSIBILITY IMPROVEMENTS

Project description: Clearly identify what improvements will be addressed as part of the package. Also identify the park location and facility for planned work. Reference work orders for all applicable types of planned work, e.g., deteriorated conditions to be improved (deferred maintenance), health and safety improvements, and code compliance issues such as accessibility improvements. Provide measurements of areas to be improved, e.g., square footage, lineal footage, etc.

Project justification: Reference the recently completed “Accessibility Self-Evaluation and Transition Plan” for your park and the implementation strategy dates. Identify the number of visitors affected and other beneficial aspects of the project. You can cite legal and management policies as noted below:

- The Architectural Barriers Act (ABA) of 1968 requires that any building or facility designed, constructed, altered, or leased with federal funds be accessible and usable by any individuals with disabilities. In addition, Section 504 of the Rehabilitation Act of 1973 requires covered entities to consider the accessibility of programs, services, and activities. In 2006, the Architectural Barriers Act Accessibility Standards (ABAAS) were adopted for federal facilities. Subsequently in 2011, standards for Recreational Facilities were added to ABAAS as Chapter 10.
- The National Park Service recommitted to making our parks and programs truly accessible to all in the “*A Call to Action*”. The recently released “*ALL IN! Accessibility in the National Park Service 2015-2020*” included three goals for improved visitor access. This project addresses: Goal 1: Create a welcoming environment by increasing the ability of the National Park Service to serve visitors and staff with disabilities; Goal 2: Ensure that new facilities and programs are inclusive and accessible to people with disabilities; and Goal 3: Upgrade existing facilities, programs, and services to be accessible to people with disabilities.

Potential eligible fund sources: Accessibility projects are potentially eligible for a number of NPS fund sources and can be competitive in regard to the capital investment strategy. The following is a list of possible fund sources:

1. Repair/rehabilitation program—identify all work orders that pertain for deferred maintenance, code compliance, health and safety, etc.
2. Flex park base—accessibility is a NPS emphasis area for years 2015-2020.
3. Recreation fee 80% park—excellent fund source for accessibility as the project provides for visitor improvements. This should be a top choice for Fee80 parks.
4. Recreation fee 20% park—excellent fund source for accessibility as the project provides for visitor improvements.
5. Concession/permitted facilities—consider these fund sources when the facility is included in a Concession contract or permit.

6. Regular cyclic maintenance—excellent fund source for replacement of picnic tables, grills, trash containers, etc.
7. Exhibit cyclic maintenance—excellent fund source for replacing non-compliant waysides, exhibits, etc.
8. FLHP—include accessibility improvements with parking lot, parking spaces, accessible routes, curb cuts, sidewalks, signage, etc. as part of road improvement projects where appropriate.
9. Line item construction (LIC) —if you have a project in the LIC program, ensure inclusion of all appropriate accessibility improvements.

PMIS packages: Conduct a search in PMIS for projects previously funded for accessibility.

APPENDIX G: TRAIL SUMMARY SHEETS

[NAME OF TRAIL]

Park Name	INSERT PARK NAME	—
Trail Name	[Name of trail]	—
Segment	[Segment information]	—
Type	—	—
Length	[Length information]	—
Elevation Gain	[Elevation gain] file]	—
Elevation Loss	[Elevation loss information]	—
Trail Uses Allowed	—	—
—	—	—
—	—	—
Trail Uses NOT Allowed	—	—
—	—	—
—	—	—
Typical Grade	[%]	Max = [X%]
Intermediate	—	—
Maximum	—	—
—	Standard Ramp Grade is [X%]	—
Typical Cross Slope	[%]	Max = [X%]
Intermediate	—	—
Maximum	—	—
Typical Tread Width	[X in (X cm)]	Min = [X in (X cm)]
Intermediate	—	—
Minimum	—	—
Surface Type	[Surface Type]	—
Surface Category	X % of Trail is [Surface Type]	X % of Trail is [Surface Type]
—	X % of Trail is [Surface Type]	X % of Trail is [Surface Type]
—	X % of Trail is [Surface Type]	—
Firmness	Typical: X	Minimum: X
Stability	Typical: X	Minimum: X

Obstructions:

Type:	Size (Height):	Remaining Tread:	Location:
X	X in (X cm)	X in (X cm)	X ft. (X m)
X	X in (X cm)	X in (X cm)	X ft. (X m)
X	X in (X cm)	X in (X cm)	X ft. (X m)

Warning: [Add notes from rtf file]

[Add notes from rtf file]

Signage created by Beneficial Design Inc. from data collected by a Certified Trail Assessment Coordinator using the High Efficiency Trail Assessment Process (HETAP).

APPENDIX H: TRAIL ASSESSMENT PROTOCOL

References: Architectural Barrier Act Accessibility Standards (ABAAS)

- Chapter 2 Scoping Requirements: Section F247 Trails, Section F216.13 Trailhead Signs
- Chapter 10 Recreation Facilities, Section 1017 Trails, Section 1019 Condition for Exceptions

Background standards: The ABAAS trail accessibility requirements are included in “Chapter 2 Scoping Requirements” and “Chapter 10 Recreation Facilities.” Refer to ABAAS for the complete standards prior to planning any trail work or conducting assessments; the following bullets highlight some pertinent sections of the standards in regard to conducting assessments:

- F216.13 Trailhead Signs. Where new trail information signs are provided at trailheads on newly constructed or altered trails designed for use by hikers or pedestrians, the signs shall comply with 1017.10.
- F247.1 General. Where a trail is designed for use by hikers or pedestrians and directly connects to a trailhead or another trail that substantially meets the requirements in 1017, the trail shall comply with 1017. A trail system may include a series of connecting trails. Only trails that directly connect to a trailhead or another trail that substantially meets the requirements in 1017 are required to comply with 1017.
- F247.1 Advisory Trails. Trails that have a designed use for hikers or pedestrians are required to comply with 1017. Trails that have a designed use for other than hikers or pedestrians are not required to comply with 1017.
- F247.2 Existing Trails. Where the original design, function, or purpose of an existing trail is changed and the altered portion of the trail directly connects to a trailhead or another trail that substantially meets the requirements in 1017, the altered portion of the trail shall comply with 1017.
- F247.4 Advisory Trail Facilities. Facilities are required to comply with F247.4 regardless of whether the trail complies with 1017. (Note: this includes camping facilities, picnic facilities, and viewing areas that must comply with appropriate standards.)
- F247.5 Outdoor Constructed Features. Where outdoor constructed features are provided on trails, other than within facilities specified in F247.4, at least 20 percent, but not less than one, of each type of outdoor constructed feature at each location shall comply with 1011.
- 1017.1 General. Trails shall comply with 1017.
 - Exception 1. When an entity determines that a condition in 1019 (see below) does not permit full compliance with a specific provision in 1017 on

a portion of a trail, the portion of the trail shall comply with the provision to the extent practicable.

- Exception 2. After applying Exception 1, when an entity determines that it is impracticable for the entire trail to comply with 1017, the trail shall not be required to comply with 1017.
- 1017.1 Advisory General Exception 2. An entity must apply Exception 1 before using Exception 2. The entity should consider the portions of the trail that can and cannot fully comply with the specific provisions in 1017 and the extent of compliance where full compliance cannot be achieved when determining whether it would be impracticable for the entire trail to comply with 1017. The determination is made on a case-by-case basis. Federal agencies must document the basis for their determination when using Exceptions 1 or 2 and must notify the Access Board when using Exception 2.
- 1019.1 General (Conditions for Exceptions). Exceptions to specific provisions in 1017 shall be permitted when an entity determines that any of the following conditions does not permit full compliance with the provision:
 - 1) Compliance is not practicable due to terrain.

Compliance cannot be accomplished with the prevailing construction practices.

Compliance would fundamentally alter the function or purpose of the facility or the setting.

Compliance is limited or precluded by any of the following laws, or by decisions or opinions issued or agreements executed pursuant to any of the following laws:

- Endangered Species Act (16 U.S.C. §§ 1531 et seq.);
- National Environmental Policy Act (42 U.S.C. §§ 4321 et seq.);
- National Historic Preservation Act (16 U.S.C. §§ 470 et seq.);
- Wilderness Act (16 U.S.C. §§ 1131 et seq.); or
- Other federal, state, or local law the purpose of which is to preserve threatened or endangered species; the environment; or archaeological, cultural, historical, or other significant natural features.
- 1019.1 Clarification. Entities should consider all design options before using the exceptions. On trails, the exceptions apply only on the portion of the route where the condition applies. The trail is required to fully comply with the provisions in 1017, as applicable, at all other portions of the route where the conditions do not apply. There are additional exceptions that apply to an entire trail in 1017.1.

Identifying trails for assessments: Parks vary considerably in what key experiences are provided to visitors. A small historical park may have minimal or no trails but will have various walks and outdoor recreation access routes providing universal access. Some parks may have a few identified trails that they provide for universal access. While at other parks, the primary key experience for visitors may be the recreational trail system.

There are various sources of information to inform a decision on which trails to assess as part of the SETP process. The following sources can be researched and actions taken when identifying what trails are appropriate for assessment:

Sources:

- Trails that the park has identified in visitor information as being wheelchair accessible to visitors with disabilities.
- There are five classifications of trails defined within FMSS including:
 - Class 1 primitive/undeveloped
 - Class 2 simple/minor development
 - Class 3 developed/improved
 - Class 4 highly developed
 - Class 5 fully developed.

Note: Class 4 and class 5 trails by definition have potential for universal access.

- FMSS trail listings in which parks have identified those trails that are ABA compliant and/or ABA designated trails. In December 2015, there were 98 trails in 32 parks identified in the region meeting those requirements.

Actions:

- Select a representative number of trails for assessment to provide visitors the maximum access to key park experiences. Eliminate those trails that are not practical because of terrain, cannot be altered to meet standards with prevailing construction practices, or exempt as a result of environmental or historical laws. For each trail, document within the park evaluation the reasons for elimination.
- Outdoor recreation facilities are often targeted in ABAAS to provide for access to at least 20% of the facilities but not less than one of each type of facility at each location. The 20% figure could be used as a general guide in identifying the number of trails to be assessed at various locations.
- Evaluate what is a reasonable expectation for making trail improvements in the 10-year time-frame of the transition plan. Possibly four to six trail assessments would be the maximum scheduling capacity for trail improvements at a park within 10 years. Identify planned trail assessments and improvements for each time frame category.

Requirements for trail assessments: ABAAS Section 1017 provides the access standards for constructing and altering trails. These standards shall also be used for the assessment process. It is critical to note that although a trail may not meet Section 1017 accessibility standards, all constructed facilities on the trail or at the destination must comply with ABAAS standards, i.e., camping, picnicking, view areas, restrooms and other constructed facilities. Many visitors with disabilities can navigate non-standard trails into the backcountry but upon arrival may be unable to use constructed facilities with physical

barriers. The only exemption for backcountry facilities is the primitive outhouse with riser on a hole dug into the ground.

Trailhead signs: Trail information signs at trailheads shall include the following:

1. Length of the trail or trail segment
2. Surface type
3. Typical and minimum tread width
4. Typical and maximum running slope
5. Typical and maximum cross slope

Conducting trail assessments: The High Efficiency Trail Assessment Process (HETAP) tool provides the most effective means of conducting trail assessments. This tool is a wheeled carriage (baby jogger size) with a mounted computer that stores photos, barrier observations, and field data such as length, running slope, and cross-slope measurements at designated intervals. A Rotational Penetrometer (RP) should be used in tandem with the HETAP tool to measure the firmness and stability of the trail surface. The data collected can be used for evaluating the trail in meeting ABAAS Section 1017 requirements, including trail length, width, surface, running slope, cross slope, and tread obstacles. The park can generate a report from the data to estimate and plan trail improvements. In addition, the data can be used in providing information for trailhead signage. The final HETAP trail data is presented in excel spreadsheets and should be left with the park for future planning purposes. If HETAP equipment is not available, information can be collected by a measuring wheel, tape measure, and smart level. (Note: The HETAP equipment is manufactured by Beneficial Design, Inc. and is used by several parks. Other manufacturers may carry this equipment.

OZARK NATIONAL SCENIC RIVERWAYS **ACCESSIBILITY SELF-EVALUATION AND TRANSITION PLAN** **[DATE]**

This Accessibility Self-Evaluation and Transition Plan has been prepared as a collaborative effort between Ozark National Scenic Riverways, Regional Office serving Interior Regions 3, 4, and 5 staff, and the Denver Service Center and is recommended for approval by the superintendent.

Approved

D. Jason Lott, Acting Superintendent, Ozark National Scenic Riverways

Date



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

OZAR [TIC number ###/#####]

[Date]

Back Cover