

**U.S. Army Corps of Engineers
Fiscal Year 2015
Handshake Program Application**

Please review instructions before completing application!

Corps Lake/Project Name:**J. Strom Thurmond Dam & Lake at Clarks Hill**

Handshake Proposal Title:**Petersburg Trailhead, Bartram Trail**

Corps POC Name:**Christina Alford**

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A. Eligibility checklist:

1. Will the Handshake funds be spent on Corps facilities and resources that are being fully maintained by the Corps? * Yes No
2. Will the Challenge Partnership agreement be with a non-federal public or private entity(ies)? * Yes No
3. Is the proposed activity within current authorities and contained in the annual or 5-year work plan in the approved lake project OMP? ** Yes No

**If "No" to any of the above questions the proposal cannot be authorized under the Corps' challenge partnership authority.*

B. Handshake Funding Request (maximum \$30,000): \$30,000

C. Cooperative Agreement Bonus: Challenge Partnerships that include a Cooperating Association with which your project/district has entered into a Cooperative Agreement are eligible to compete for an additional \$5000. A copy of that agreement is not needed with this application, but may be requested if not already provided to the Partnership Team. (Reference Chapter 9 of ER and EP 1130-2-500 for information on cooperating associations).

This application wishes to compete for the Cooperative Agreement Bonus funding.

This application does NOT qualify for the bonus funding.

D. Incentive Points Category: Check the box if your application qualifies to receive bonus points on the evaluation score for partnering with three or more partners. A summary of the partners' contribution to the Handshake Project should be included in the financial worksheet below.

Application includes 3 partners (25 bonus points)

Application includes 4 partners (40 bonus points)

Application includes 5 partners (50 bonus points)

Application includes 7 partners (50 bonus points for the first 5 partners plus 10 points for each additional partner). Total bonus points:70.

E. Describe your partnership and the proposed project:

Your project will be evaluated on the following categories: Sustainability, Partnership Value, Recreation Benefit, Environmental Stewardship Benefit, Communication and Education Value, and Innovativeness. Please address each in your description.

Summary Statement of Handshake Project:

The Bartram Trail System is a 27-mile multi-use trail located along the shores of J. Strom Thurmond Lake and was recognized in 2012 as a National Recreation Trail and centerpiece of an International Mountain Bicycling Association (IMBA) bronze-level Ride Center in the Central Savannah River Association (CSRA). Petersburg trailhead is the most popular of four trailheads located along the Bartram Trail System, but the trailhead is too small to safely host events and the only available amenities are pit toilets and an informational kiosk. Through this agreement, the U.S. Army Corps of Engineers, Southern Off-Road Bicycle Association (SORBA)-CSRA, and six additional named partners propose an expansion of the Petersburg Trailhead and installation of much needed amenities and signage that will increase both user satisfaction and safety when recreating on the Bartram Trail. The opportunity for Handshake "seed money" was leveraged to forge seven partnerships (6 are new) and obtain generous commitments to improve the Petersburg Trailhead. Together with resources donated by our partners, Handshake funding will be used at Petersburg for additional parking (Figure 1), a group shelter (Figure 2), potable water service, bicycle repair station (Figure 3), changing room (Figure 4), wash station (Figure 5), a donation box (Figure 6), security lighting, and an integrated system of trail and vehicle counters. On the Bartram Trail, benches (Figure 7) will be placed at several scenic locations (Figure 8), new warning signs will be installed near road crossings, and interpretive kiosks updated. Together, these additions to the Bartram Trail System and Petersburg Trailhead are designed to provide a better experience for all trail users, offer additional educational opportunities for trail users and students, and accommodate increasing usage of the Petersburg Trailhead, while mitigating user impact on the trailhead and natural environment.

Sustainability description:

Each of the subprojects within the Petersburg Trailhead project were selected to meet the criteria of simplicity, ease of maintenance, and long term functionality/utility for trail users. Where standards exist, or when possible, building materials and construction techniques will conform to Corps guidelines to meet or exceed anticipated life cycles of at least 25 years. New structures and amenities will be weather resistant, mechanically durable, tamper-resistant, and only require periodic maintenance throughout their lifespan. SORBA-CSRA volunteers will continue providing routine trail maintenance along the Bartram Trail, as outlined in an existing MOU, Challenge Partnership Agreements, and recently signed Cooperative Agreement. Additionally, to address financial sustainability of this project, partner-derived philanthropy, including monies from a donation vault to be installed at the Petersburg Trailhead, will be earmarked for the Bartram Trail System and support volunteer activities, materials, and supplies used to maintain Bartram Trail and Petersburg Trailhead. Lastly, this project is designed to proactively mitigate (environmental) impact from increased usage of the Petersburg Trailhead by providing additional parking, redirecting foot traffic past informational/interpretive kiosks, preventing formation of social paths, and designating specific areas for trail users to wash, change clothes, and picnic.

Partnership Value:

SORBA-CSRA is a 501(c)3 non-profit trail advocacy group that has a long standing, and mutually beneficial, partnership with the Corps of Engineers. During each of the last four calendar years, SORBA-CSRA volunteers recorded an average of 221 hours of in-kind service maintaining the Bartram Trail System. In 2010, SORBA-CSRA member-volunteers participated with the Corps to construct a nine-mile addition to Bartram Trail and the Corps and SORBA-CSRA signed a Challenge Partnership Agreement, formalizing this long-existing partnership. In addition to supporting trail activities, the Corps allows SORBA-CSRA to use their conference room facility for CPR and First Aid training, as well as local and regional leadership meetings.

During the application planning process, the opportunity to leverage Handshake funding led to six new partners, each generously committing resources to support the Petersburg Project. These partners include: Andy Jordan's Bicycle Warehouse, Chain Reaction Bicycles, Mulherin Lumber, Outspokin' Bicycles, Columbia County Community and Leisure Services, and Ivey Residential LLC. Consistent with the purpose of "seed money", we anticipate a 100% match with partner donations, materials, and services. Trailhead improvements and new partnerships create additional value beyond the scope of this agreement by attracting new users, events, and partners. For example, Chain Reaction Bicycles sponsors the annual "Best Dam Ride", which benefits the Southeast Firefighter's Burn Foundation, and sponsors a supported mountain bike ride on the Bartram Trail. Other charity events include the annual "Hot Dam Triathlon", the annual Bear Blaster 50K trail run, and, most recently, the inaugural Wildwood Games, sponsored by the Columbia County Convention and Visitors Bureau. In 2015 and 2016, the Bartram Trail will host the USA Cycling Marathon Mountain Bike National Championships. Importantly, each of these events bring their own regional, national, and international sponsors who see evidence of Corps and community supported recreation on the Bartram Trail System and are more likely to become philanthropic partners with the Corps of Engineers.

Recreational Benefit:

Each subproject in the Petersburg Trailhead Project was chosen specifically for its positive impact on trail user experience (on the trail or at the trailhead) so that users establish the Petersburg Trailhead as a destination for all their trail-related activities. For example, a new picnic shelter offers events and users a place to meet before or after activities, host cookouts, etc. Installation of a potable water source allows hand washing, filling of water bottles, pet water bowls and cleanup of picnic items. A water source also supports the wash station to clean dust, dirt and mud from bicycles, running shoes, hiking boots, or an errant dog. A changing room allows trail users to change out of dirty wet clothes before driving home. On the trail, benches, located at scenic overlooks, offer users an opportunity to rest, relax, or just enjoy the natural beauty of Thurmond Lake and new warning signs will alert users of upcoming road crossings. Based on our experience and trail user feedback, trailhead amenities are a significant - and quite frankly expected - consideration of trail users when choosing a destination for their activities. The Petersburg Trailhead project addresses several unmet needs for trail user-based facilities and supports the America's Great Outdoors (AGO) initiative for the Corps of Engineers. An implicit, but important, goal of improving the Petersburg Trailhead is to attract novice trail users and provide the opportunity for them to become lifelong outdoor recreation enthusiasts. Indeed, improvements to the Petersburg Trailhead will bring existing users from other trails, but more importantly the proposed trailhead amenities (potable water, a picnic shelter, safety lighting, and areas to wash and change clothes) will attract and encourage new trail users who are just beginning to use outdoor physical activity (walking, hiking, biking) as part of their efforts to lose weight, increase cardiovascular fitness, and live longer healthier lives.

Environmental Stewardship Benefit:

The Bartram Trail System offers unique natural environments (surrounding forest, lake, and beaches) and varied recreational opportunities for user groups as diverse as walkers, hikers, runners, bird watchers, geocachers, and hunters. A key strategy to preserving these natural ecosystems is to provide convenient and clearly marked trail access points, which help to limit formation of social trails and prevent damage by unauthorized motorized vehicles. The proposed expansion of Petersburg Trailhead furthers this strategy by providing additional parking in a designated area, more clearly identifying trail entry/exit points, directing users to trail entry points near interpretive kiosks, and offering approved area where trail users can meet, spontaneously congregate, eat, wash, or just change into clean clothes before driving home. Each of these strategic additions/improvements to the trailhead parking area supports inevitable expansion, while proactively mitigating the environmental impact of (increased) trail users, their vehicles, and activities on the surrounding ecosystems and/or other trail users.

Communication & Education Value:

An intrinsic goal of the Petersburg Trailhead project is to offer better communication and educational information to trail users by more clearly defining trail entry/exit points and encouraging users to stop and read material and notices posted on trailhead kiosks. These kiosks offer specific information about the trail (map, distances, level of difficulty, location of other trailheads, campgrounds, day use areas) and important safety notices regarding helmet use by cyclists and trail use during hunting season. More recently, the Corps has developed a plan for locating interpretive materials at these kiosks and providing users with additional information relevant to the trail system and their recreational experience. For example, interpretive material might include the natural history of the area, the land manager's stewardship goals, forest management strategies or guidelines to protect sensitive areas including wetlands, rare species habitats, and wildlife openings. Incorporation of kiosk-based interpretive materials into the Petersburg Trailhead project can provide a better recreation experience for trail users by increasing knowledge, safety and a deeper appreciation for natural areas surrounding the trailhead. Education is not limited to kiosks nor recreational trail users; the Petersburg Trailhead, group shelter, and surrounding ecosystems will be used as an outdoor classroom and destination for school field trips, interest clubs, hobbyists, and scouting groups.

Innovativeness:

The Petersburg Trailhead project is unique because this 27-mile trail system is truly a multi-use destination for a large and diverse group of passionate trail users. The innovation of this proposal lies in a strategy focused on improving user experiences and opportunities, at an already popular, but relatively spartan trailhead, by leveraging Handshake funding to forge new Corps partnerships and provide much needed trail user-based amenities, safety enhancements, and exploit these improvement to offer new educational opportunities via interpretive kiosks or an outdoor classroom. Growth is already occurring at the Petersburg Trailhead and this project will implement a proactive plan to improve trailhead amenities and user experiences, while ensuring minimal impact of current (and future) user growth on the surrounding environment and ecosystems.

Concluding statement:

In 2015 and 2016, the national spotlight will be focused on the Bartram Trail System. Use of the Bartram Trail as the race route for the USA Cycling Championships offers an unprecedented, but timely, opportunity to showcase how Handshake 'seed money' can be leveraged effectively to forge new partnerships and provide significant returns on investment through increased recreational opportunity, upgraded amenities, and long term health benefit to the public recreating on the Bartram Trail System. This is a win-win-win for the Corps, its private and public partners, and the public. Each of the subprojects addresses a currently unmet need at the most popular trailhead along Bartram Trail. By providing a safer, user-friendly, and more satisfying recreational experience for all trail users, the Petersburg trailhead will become a 'go to' destination for new, novice, and expert trail users throughout the CSRA region of Georgia and South Carolina. Perhaps more importantly, the Petersburg Trailhead project offers the Corps an opportunity to implement a strategy to address ongoing growth and proactively mitigate potential environmental impacts from increased use of the Petersburg Trailhead.

Using Handshake seed money, the Corps recruited existing partners (SORBA-CSRA), new public partners (Columbia County Community and Leisure Services), as well as new private partners (Chain Reaction Bicycles, Andy Jordan's Bicycle Warehouse, Outspokin' Bicycles, Ivey Home Builders, and Mulherin Lumber) to support improvements on the Bartram Trail and at Petersburg Trailhead. Each partner offers volunteer effort, donated materials, and/or financial support for specific subprojects that work together to complement Corps subprojects (i.e., expand trailhead parking lot, build a group shelter, potable water, trail counters) and culminate to provide a model trailhead to the recreating public. Altogether, the Petersburg Trailhead project will provide an enhanced user experience that is greater and more valuable than the sum of its parts.

Challenge Partnership Financial Work Sheet

Corps Project Name: J. Strom Thurmond Dam & Lake At Clarks Hill

Work Project Title: Petersburg Trailhead, Bartram Trail

POC Name: Christina Alford

Address: 510 Clarks Hill Hwy

City: Clarks Hill

State: SC Zip Code: 29821

Telephone: 864 - 333 - 1121 x

Location of Project: Appling, Georgia

Partner Organization 1: Southern Off-Road Bicycle Association of the Central Savannah River Area (SORBA-CSRA)

POC Name: Dave Kozlowski

Address: 4580 Bedford Court

City: Evans

State: GA Zip Code: 30809

Telephone: 706 - 513 - 5523 x

Partner Organization 2: Andy Jordan's Bicycle Warehouse

POC Name: Drew Jordan

Address: 527 13th Street

City: Augusta

State: GA Zip Code: 30901

Telephone: 706 - 724 - 6777 x

Partner Organization 3: Outspokin' Bicycles

POC Name: Brett Audry

Address: 1904 Walton Way

City: Augusta

State: GA Zip Code: 30904

Telephone: 706 - 736 - 2486 x

Partner Organization 4: Chain Reaction Bicycles

POC Name: Phil Cohen

Address: 4407 Evans-to-Locks Road

City: Evans

State: GA Zip Code: 30809

Telephone: 706 - 855 - 2024 x

Partner Organization 5: Mulherin Lumber

POC Name: Mike Grady

Address: 705 Industrial Park Rd

City: Evans

State: GA Zip Code: 30809

Telephone: 706 - 863 - 6070 x

Partner Organization 6: Columbia County Community and Leisure Services

POC Name: Barry Smith

Address: 630 Ronald Reagan Dr.

City: Evans

State: GA Zip Code: 30809

Telephone: 706 - 868 - 3684 x

Partner Organization 7: Ivey Residential LLC

POC Name: Matt Ivey

Address: 7013 Evans Town Center Blvd

City: Evans

State: GA Zip Code: 30809

Telephone: 706 - 868 - 9363 x

Partner Organization 8:

POC Name:

Address:

Telephone: - - x

City:

State:

Zip Code:

Partner Organization 9:

POC Name:

Address:

Telephone: - - x

City:

State:

Zip Code:

Partner Organization 10:

POC Name:

Address:

Telephone: - - x

City:

State:

Zip Code:

Partner Organization 11:

POC Name:

Address:

Telephone: - - x

City:

State:

Zip Code:

Partner Organization 12:

POC Name:

Address:

Telephone: - - x

City:

State:

Zip Code:

Partner Organization 13:

POC Name:

Address:

Telephone: - - x

City:

State:

Zip Code:

Partner Organization 14:

POC Name:

Address:

Telephone: - - x

City:

State:

Zip Code:

Partner Organization 15:

POC Name:

Address:

Telephone: - - x

City:

State:

Zip Code:

Double click on spreadsheet to access data entry fields and to enter Partner names:

	Local Corps Office	Handshake Funds	SORBA-CSRA	Andy Jordan's Bicycle Warehouse	Chain Reaction Bicycles	Outspokin' Bicycles
Salaries	\$10,000	N/A	\$0	\$0	\$0	\$0
Travel	\$0	N/A	\$0	\$0	\$0	\$0
Materials and Supplies	\$7,000	\$0	\$0	\$1,300	\$0	\$0
Equipment Use	\$0	\$0	\$0	\$0	\$0	\$0
Funds Contributed	N/A	N/A	\$0	\$200	\$300	\$250
Personal Property	N/A	N/A	\$0	\$0	\$0	\$0
Volunteer	N/A	N/A	\$4,500	\$0	\$0	\$0
In-Kind Services	N/A	N/A	\$1,000	\$0	\$0	\$0
Other (explain below)	\$0	\$30,000	\$0	\$0	\$0	\$0
Total	\$17,000	\$30,000	\$5,500	\$1,500	\$300	\$250
Share of Total Cost	21.9%	38.7%	7.1%	1.9%	0.4%	0.3%

	Mulherin Lumber	Columbia County Community and Leisure Services	Ivey Residential LLC	Partner 8	Partner 9	Partner 10
Salaries	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$15,000	\$1,200	\$0	\$0	\$0	\$0
Equipment Use	\$0	\$0	\$0	\$0	\$0	\$0
Funds Contributed	\$0	\$0	\$0	\$0	\$0	\$0
Personal Property	\$0	\$0	\$0	\$0	\$0	\$0
Volunteer	\$0	\$1,350	\$0	\$0	\$0	\$0
In-Kind Services	\$0	\$0	\$5,400	\$0	\$0	\$0
Other (explain below)	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$15,000	\$2,550	\$5,400	\$0	\$0	\$0
Share of Total Cost	19.4%	3.3%	7.0%	0.0%	0.0%	0

	Partner 11	Partner 12	Partner 13	Partner 14	Partner 15	Total
Salaries	\$0	\$0	\$0	\$0	\$0	\$10,000
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$24,500
Equipment Use	\$0	\$0	\$0	\$0	\$0	\$0
Funds Contributed	\$0	\$0	\$0	\$0	\$0	\$750
Personal Property	\$0	\$0	\$0	\$0	\$0	\$0
Volunteer	\$0	\$0	\$0	\$0	\$0	\$5,850
In-Kind Services	\$0	\$0	\$0	\$0	\$0	\$6,400
Other (explain below)	\$0	\$0	\$0	\$0	\$0	\$30,000
Total	\$0	\$0	\$0	\$0	\$0	\$77,500
Share of Total Cost	0.0%	0.0%	0.0%	0.0%	0.0%	100%

Explanations: The U.S. Army Corps of Engineers, J. Strom Thurmond Project, has entered into a Cooperative Agreement with SORBA-CSRA. Together with SORBA-CSRA, and named partners, the Corps will provide improvements to the Bartram Trail System and Petersburg Trailhead. Each subproject for the proposed Petersburg Trailhead Project, partner commitment, and responsibility are listed on the next page.

Subproject 1: Petersburg Trailhead and Parking Surface. The Corps will use handshake funding, via the current O&M contractor, to expand the Petersburg Trailhead and parking lot (Figure 1). This subproject will increase the number of parking spaces and protect the surrounding ecosystems by preventing unauthorized vehicle access or roadside parking. Expansion of the trailhead is necessary for installation of new amenities, creation of an event area for people to gather away from vehicle traffic, and to safely route foot traffic from the parking area to different areas of the trailhead.

Subproject 2: Group Picnic Shelter. The Corps will use handshake funding, via the current O&M contractor, to construct a group picnic shelter (Figure 2). Mulherin Lumber will provide (free or at cost) lumber necessary for shelter construction and Ivey Residential LLC will provide in-kind services for drawings, site supervision and scheduling, estimating, project management, and WC/GL, GC license. The shelter will have picnic tables, electrical service, security lighting, and an adjacent grill and fire ring.

Subproject 3: Bicycle Repair Station. Andy Jordan's Bicycle Warehouse will purchase a bicycle repair station (Figure 3) and donate funds to purchase concrete. SORBA-CSRA volunteers will construct a concrete pad and install the bicycle repair station onto the concrete pad using tamper-resistant hardware.

Subproject 4: Changing Room. Mulherin Lumber will provide (free or at cost) lumber for a changing room (Figure 4). SORBA-CSRA volunteers will purchase concrete, construct a concrete pad and build the changing room.

Subproject 5: Wash Station. Mulherin Lumber will provide (free or at cost) lumber for a wash station (Figure 5) and Chain Reaction Bicycles will purchase other materials for the wash station. SORBA-CSRA volunteers will construct the wash station and will work with the Corps to ensure access to a nearby water source (subproject 8).

Subproject 6: Donation Vault. The Corps will provide a surplus donation vault (Figure 6) and SORBA-CSRA will purchase concrete and install the donation vault. SORBA-CSRA will work with the Corps to develop a monitoring plan with checks, balances, and safeguards to ensure accountability of donations, deposits, and expenditures at the Petersburg Trailhead.

Subproject 7: Trail Benches. Mulherin Lumber will provide (free or at cost) lumber for three trail benches. Outspokin' Bicycles and SORBA-CSRA will purchase additional materials. SORBA-CSRA will build all three benches and install one bench at each of three, Corps approved, scenic locations along on the Bartram Trail.

Subproject 8: Potable Water and Electric. The Corps will use handshake funding, via the current O&M contractor, to extend (potable) water and electric service from the nearby dumping station to the Petersburg Trailhead. This water source will support an adjacent wash station (subproject 5) and provide potable water for hand washing, drinking, and refilling of water bottles and hydration packs. LED security lights will be installed at Petersburg trailhead parking lot and the shelter.

Subproject 9: Trail Counters. The Corps will purchase two sets of trail counters. In consultation with the Corps, SORBA-CSRA will install and monitor trail counters. This integrated system includes, four magnetometer counters to detect vehicles and/or bicycles, two infrared counters that will detect all objects large enough to interrupt the beam, data shuttle, cables, and housings for each trail counter. At Petersburg Trailhead, one magnetometer counter will be placed in the parking lot entrance to monitor vehicle traffic, one magnetometer will be placed near the trail entrance to monitor bicycles, and one infrared counter will also be placed near the trail

entrance to count all trail traffic. The second set of trail counters will be similarly deployed at the West Dam Trailhead. SORBA-CSRA has an ongoing partnership with the USFS and trail counters on a nearby Forest Service Trail System and will adapt their existing Trail Counting Plan and Protocol to Petersburg and West Dam Trailheads. Trail user data includes total number of vehicle visits and total trail users, which can be parsed into number of bicyclists and non-bicyclist trail users. Information about trailhead usage patterns, as a function of time of day, day of the week, or month of the year will be important for planning, budgeting, and/or adjusting resource support for particular trailheads, as a function of (increasing) use by the public.

Subproject 10: Kiosks. The Corps will use handshake funding, via the current O&M contractor, and staff to install/update interpretive kiosks at each trailhead located on the Bartram Trail. These kiosks will display detailed trail maps, offer information about trail distances, topography, trail difficulty, and the location of other trailheads. Kiosks will also display seasonal notices regarding trail safety during hunting season and offer interpretive material about land management practices, sensitive areas, and relevant educational information.

Subproject 11: Warning Signs. SORBA-CSRA will purchase and install, near road crossing, 6 new warning signs on the Bartram Trail to notify trail users that they are approaching an active roadway. These signs will be similar in color, shape, and font to existing signs and signposts on the Bartram Trail.

Subproject 12: Wildwood Trailhead. Columbia County Community and Leisure Services has committed to constructing and installing one kiosk and two picnic tables at the west end of Bartram Trail, in Wildwood Park. Design and construction of the kiosk and picnic tables will be consistent with existing kiosks and picnic tables on the Bartram Trail.

Subproject 13: Boy Scout Projects. Both SORBA-CSRA and the Corps have a long history of working with, and supporting, local Boy Scout service and Eagle Scout projects on the Bartram Trail. Typically, SORBA-CSRA and/or the Corps provide materials and supervision, and the Eagle Scout candidate provides planning and volunteers to execute their project. Two projects are currently under consideration by Eagle Scout candidates; One project will support Subproject 4 (Changing Room) of this proposal and the other Scout project will support Handshake Subprojects 7 (Trail Benches) and 11 (Warning Signs). The Boy Scouts are not listed as official partners in this application because they are not able to sign the Challenge Partnership Agreement.

Contingencies if project does not receive Handshake funds: If the proposed Petersburg Trailhead Project is not funded this year, each of the named partners has the option of proceeding with their support/subproject or waiting to participate in the resubmission of an amended proposal. For better or worse, the Petersburg Trailhead Project is just one of several worthy recreational projects competing for attention from a finite pool of potential partners in the CSRA. While planning this Handshake proposal, we leverage the opportunity for Handshake ‘seed money’ to secure commitments and support from six new and one existing Corps partners. Since many of these partners are businesses or merchants, they cannot defer, nor guarantee, support until the next round of funding, which may be two or more fiscal years before they see tangible results from their support. Furthermore, several of the smaller projects are dependent upon completion of the trailhead expansion subproject. For example, expansion of the trailhead is necessary to install a bicycle repair station and donation vault and infrastructure improvements (i.e., water) are necessary for function of the wash station. Nonetheless, and regardless of funding outcome, the newly signed Cooperative Agreement between the Corps and SORBA-CSRA will remain in effect and SORBA-CSRA volunteers will continue their efforts maintaining the Bartram Trail System, SORBA-CSRA will continue working with Boy Scout service and Eagle Scout projects on the Bartram Trail, and SORBA-CSRA will continue supporting the recreational mission of the U.S. Army Corps of Engineers at the J. Strom Thurmond Project.

Appendix I: Petersburg Trailhead Project in Pictures

Figure 1. Petersburg Trailhead. Current amenities at the Petersburg Trailhead include a gravel/dirt parking surface, pit toilets, and information kiosk. SORBA-CSRA no longer holds their annual Take a Kid Mountain Biking Day events at Petersburg, in part, because the trailhead is too small and events have to be held in the parking lot (shown below). Despite the lack of amenities, Petersburg remains the most popular trailhead along Bartram Trail. Subprojects outlined in this Handshake proposal address several unmet needs to provide new amenities and a safer trailhead experience for all trail users. Subproject 1 will expand the trailhead and parking surface, Subproject 8 (not shown) will bring in water service, and Subproject 9 (not shown) will install trail counters at the Petersburg Trailhead.



Figure 2. Picnic shelter. Subproject 2 will construct a group picnic shelter at the Petersburg Trailhead and provide an area for events and other trail users to safely gather away from the parking lot. The proposed shelter is a 20'x20' covered wooden structure similar to that shown in the picture to the right, but without stone retaining walls. The group shelter will hold picnic tables, have electrical service, and an adjacent grill and fire ring. The group shelter will overlook a section of Bartram Trail and will be accessible from both the trail and parking lot. Mulherin Lumber will provide (free or at cost) all the lumber necessary for this subproject and Ivey Residential LLC will provide in-kind services to support the Corps O&M Contractor.





Figure 3. Bicycle Repair Station. Subproject 3 for the Petersburg Trailhead is the purchase and installation of a public bicycle repair station. The repair station has two arms to hold any bicycle off the ground, a heavy duty air pump with replaceable head, and universal valve adapter. Located within the vertical portion of the stand, and attached by high strength tamper resistant cables, are tools necessary for most bicycle repairs, including several sizes of hex wrenches, open end box wrenches, screw drivers, and tire levers. On the face of the unit is a QR code that directs users to internet-based tutorials and videos for common bicycle repairs. Andy Jordan's Bicycle Warehouse (a partner on this Handshake Project) has committed to purchase the repair station and concrete necessary to mount the repair station. Earlier this spring, SORBA-CSRA partnered with Andy Jordan's and installed a similar repair station on the Augusta Canal Towpath.

Figure 4. Changing Room. Subproject 4 will construct a changing room so trail users can change into dry, clean clothes before leaving the trailhead. Located near the wash station (see below), users can wash off trail dust, dirt, and mud before changing clothes. This simple, single person design uses a chain across the entrance to indicate when the room is in use. A pitched roof increases weather resistance and longevity. Mulherin Lumber will provide (free or at cost) all the lumber for this subproject and SORBA-CSRA will construct a concrete pad and build the changing room.



Figure 5. Wash Station. Subproject 5 will construct a bicycle wash station, which can be used to clean people and pets too. Image shown at left is a bicycle wash station located at the Tsali Recreation Area in North Carolina. A smaller wash station (approx. half the width) at Petersburg will use a horizontal bar, rather than hooks, to suspend bicycles. The wash station will be located between the changing room and existing pit toilets, which are conveniently located across the parking lot from the trail entrance, kiosk, proposed group shelter, and planned bicycle repair station. Chain Reaction will purchase materials and SORBA-CSRA will build the wash station.

Figure 6. Donation Vault. Subproject 6 is a donation vault to be installed at the Petersburg Trailhead. Similar in design to a Corps user fee vault, donations made at the Petersburg Trailhead will be earmarked for projects on Bartram Trail, as outlined in our Cooperative Agreement. SORBA-CSRA, with a representative from the Corps, will collect donations from the vault and, upon request, will provide audit access to deposit records and trail expenditure receipts. Image shown to the right is a USFS fee vault. The donation vault at Petersburg will be prominently located and marked to indicate that donations will be collected by SORBA-CSRA for use on the Bartram Trail System.



Figure 7. Trail Benches. Subproject 7 will construct and install three trail benches at select scenic overlooks (see below) located along the Bartram Trail. Shown to the left is one of four benches SORBA-CSRA constructed and installed at FATS, a nearby trail system managed by the USFS. Benches proposed for the Bartram Trail will be similar in design, but have a back rest. Outspokin' Bicycles and SORBA-CSRA will purchase materials, SORBA-CSRA volunteers will construct and install the three benches along Bartram Trail.

Figure 8. Scenic views along Bartram Trail. Below is one of several scenic locations under consideration to install benches proposed in this Handshake Project. Benches will be installed toward the inside of the trail, near shade trees, and with a stunning view of Bartram Trail in the foreground and Lake Thurmond in the background. Angled backs will make each bench a comfortable respite to catch your breath, rest, or just relax with your own lake view.



Bartram Trail J. Strom Thurmond Lake

