

**U.S. Army Corps of Engineers  
Fiscal Year 2020  
Handshake Program Application**

**Please review instructions before completing application!**

---

Corps Lake/River Project Name: **Rend Lake**

District / Division:**MVS/MVD**

Handshake Proposal Title: **Rend Lake Archery Complex & Mountain Bike Trails**

Corps POC Name:**Cassie Magsig**

Telephone: **(618) 724 - 2493** ext.

E-Mail: **cassie.l.magsig@usace.army.mil**

---

**A. Checklist:**

1. Will the Handshake funds be spent on Corps facilities and resources that are being fully maintained by the Corps? (not in outgranted parks)  **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**
  4. Have all of the NEPA requirements been considered for this project?  **Yes**  **No**
  5. I am aware the Challenge Partnership Agreement must be reviewed and Approved by District Office of Counsel before sending to HQUSACE.  **Yes**  **No**
  6. If the full funding amount requested is not available, could a portion of this Handshake Project be completed with partial funding?  **Yes**  **No**
  7. I am aware that all government funds must be spent in accordance with FAR, DFAR and AFAR contracting laws and regulations, and that Handshake funds cannot be provided to the partner(s).  **Yes**  **No**
  8. Did you participate in a Handshake Webinar in 2019 or review a 2019 Handshake Webinar on the Gateway?  **Yes**  **No**
- 

**B. Handshake Funding Request (maximum \$25,000): \$25,000**

**C. Incentive Points Category:** Check the appropriate box if your application qualifies to receive bonus points on the evaluation score.

This project will be completed with a national MOU partner with which the Lake or Project hasn't previously partnered. (100 points).

This project reduces O&M cost to the Corps over the lifecycle of the proposed project or improves existing infrastructure. (100 points).

**D. Describe your partnership and the proposed Handshake Partnership Project:**

Project applications will be evaluated on the categories below. Please complete each section as appropriate.

**Summary Statement:**

The North Marcum Multiple Resource Area currently consists of 420 underutilized acres, the perfect location to improve low density recreation opportunities at Rend Lake. The local community is looking for an area to promote competitive archery, mountain bike riding, and cross country running. A Challenge Partnership Agreement including 7 local partners has been formalized to improve outdoor recreation at North Marcum. The first phase of this project has begun and includes the construction of an archery complex and mountain bike trails along with the expansion and upgrade of existing parking areas. This improvement project has prompted several regional and national organizations to request the use of this area for future large events when complete. These events would use the North Marcum Day Use Area for parking and vendor location, another underutilized area in need of a new purpose. There is ample parking within the day use area, but there is currently no electricity to support food vendors, tournament award ceremonies, and announcement broadcasting. Electrical upgrades are necessary to fulfill the requirements of the event contracts to improve tourism opportunities and economic benefits to the Rend Lake area. Handshake funds will be used to perform the necessary electrical upgrades, giving the existing infrastructure at the North Marcum new purpose, increasing low density recreation opportunities and providing significant economic benefit to the project and region.

**Handshake Funding Cost Break Down:**

Materials for electrical additions:

- Transformer upgrade: \$5,600
- New Distribution Panel: \$7,900
- Underground Wire: \$4,200
- Conduit: \$2,300
- Hardware: \$4,800

Total: \$25,000

**Longevity / O&M description:**

The first phase of this project has begun and includes the construction of (1) an archery complex (0.5 mile accessible archery trail with 20+ shooting lanes with targets, caution fencing/signage, and steel bow hangers; an accessible archery range including a ~240 foot concrete sidewalk, 10' x 80' shooting shelter with concrete floor, concrete target lanes, permanent targets with covers, elevated shooting platform with targets, and signage for target lengths and rules) and (2) a mountain bike trail (12+ miles of trail along with a bike maintenance station, directional signage and interpretive exhibit) and (3) the expansion and upgrade of existing parking areas. The archery range will consist of an Americana steel shelter with graffiti proof coating, matching the most recent shelters installed at Rend Lake. These shelters have proven to be of great quality, easy to clean, with very low maintenance. The shelter has a warranty of 25 years. The walkways and target lanes will all be concrete with virtually no maintenance. The elevated platform will be constructed of both treated and composite wood and stainless hardware. The Delta McKenzie targets will each have wooden covers to prevent exposure to the elements and increase longevity. All stationary targets and covers will be purchased, maintained, and replaced as needed by the Rend Lake College. All 3-D targets for both the range and trail will be purchased by the College and the COE with a large discount provided through the S3DA. The archery trail will be constructed of compacted aggregate and the lanes will have no additional materials added and will be maintained through regular invasive species removal. The bow holders will be constructed with steel and are expected to last 10 years. The only materials that will be added to the mountain bike trails will be at low water crossings with materials donated by the Rend Lake Conservancy District. Maintenance to the mountain biking trail will be performed by regular use of the trail and as needed by the River to River Runners. The majority of the electrical upgrades for the vendor sites will be ran underground through conduit, allowing it to have little maintenance and a lifespan of 30+ years. The entire project will be maintained through volunteers from both the COE Volunteer Village Program and through the Partners.

**Partnership Value:**

This project would not be possible without the support of our partners and the opportunity to host these large, impactful events would have never happened without the investment and loyalty that our partners have in the Rend Lake area. The total project cost is estimated to be \$289,000 and over half of that will be contributed by the Partners (57%). Our original 7 partners that signed the agreement has grown to 12 partners contributing to this project.

**Archery Complex and Events:** The Rend Lake College and the Scholastic 3-D Archery Organization (S3DA) are the major promoters of this area, ensuring that it will be both enjoyable and safe for the public and meet all tournament requirements. Rend Lake College will provide \$25,000 in materials/supplies, equipment, volunteer services, and staff time. The S3DA will provide \$6,000 in volunteer services to ensure that the area meets all requirements for use as a tournament facility. The Illinois Department of Natural Resources (IDNR) Disabled Outdoor Coordinator will provide \$1,000 in volunteer oversight to ensure that the range and main trail meet accessibility standards so that everyone will have an opportunity to enjoy the complex. The Union Sportsmen's Alliance (USA), Erb Equipment, Ryterski Brothers, Sierra Bravo, Lake Contracting Inc., and the Rend Lake Conservancy District (RLCD) combined are contributing \$87,000 worth of labor and equipment. The mission of the Union Sportsmen's Alliance is to unite the union community through conservation to preserve North America's outdoor heritage. This partner has been wonderful to work with in the past. It not only provides the apprentices on the job experience, but provides them with a meaningful opportunity to make a difference in their community. The project would not be possible without their commitment and expertise.

**Mountain Bike Trail:** The Rend Lake Bike Club, River to River Runners, and the RLCD are completing the entire design and construction of the 12+ miles on their own which totals a contribution of \$22,000. The only cost from the COE is for an entrance interpretive exhibit showing the layout of the trails. Upon completion, The River to River Runners will adopt the trail to maintain it for the future.

**Event Hosting:** The Rend Lake Area Tourism Council (RLATC) will be the group assisting with the support and coordination of the large events held within the North Marcum area at Rend Lake. The Scholastic 3-D Archery Organization (S3DA) and the RLATC, with help from local leadership and state representatives, are currently working to develop a three year contract to hold the National S3DA tournament of the Midwest at Rend Lake. This annual tournament would bring 6,000 visitors from over 30 states and multiple countries to Rend Lake for a minimum of 3 nights. The S3DA estimates this 3 day tournament to provide a \$3M to \$4M economic benefit to the Rend Lake area. The S3DA also works closely with the Archery Shooter's Association (ASA) which holds additional tournaments throughout the year for professional archers. The ASA brings archers from even more states and countries to compete in their 3 annual tournaments and will be looking for a new location to hold their Midwest tournament in 2 years. The two organizations typically host their tournaments at the same location back to back weekends to save resources and labor. The Rend Lake Bike Club and the Southern IL Junior High School Association (SIJHSAA) have also requested approval to host Xterra Triathlons and Cross Country Events when the mountain bike trails are complete.

**Recreational Benefit:**

The North Marcum Multiple Resource Area was once home to a campground that closed in the 1970's, abandoning infrastructure, roadways, parking areas, and camping sites. This project takes this large, underutilized area and transforms every acre into a venue for multiple user groups. The area will be able to host daily users including members of the public that are archers, bicyclists, runners, and hikers. The accessibility of both the trails and the archery range makes it available to all users. Use will be further increased by organizations already scheduled to use the area once complete - the Rend Lake College Archery Team, both the State and the National S3DA tournament groups, Xterra Triathlons, and the SIJHSAA for cross county events. This project is also a direct response to the need from the local community for these specific outdoor recreation opportunities. The closest archery trail is over 50 miles away and the closest mountain bike trail is over 30 miles away. The archery complex will promote the sport of hunting and give the public a place to prepare for a safe hunt. This project will provide another reason for visitors to come enjoy and stay at Rend Lake, improving the economic benefit to the Rend Lake area.

**Environmental Stewardship Value:**

The project also provides a huge environmental stewardship value by giving new purpose to over 400 acres of great land that is currently being completely taken over by autumn olive, Japanese honeysuckle and many other invasive species. The best part is that all of the clearing is being performed and maintained by the partners. The new archery complex and mountain bike trails also provides more opportunities for visitors to connect with nature through outdoor activities and to make people fall in love with the outdoors and raise more conservationists.

**Communication & Education Value:**

During the 2018 Rend Lake Master Plan Update, the majority of the public comments consisted of improving the wildlife management and the outdoor recreation opportunities. This project is one example of the effort Rend Lake is making to fulfill the public's needs. The S3DA will be doing more than just ensuring compliance and bringing thousands of new visitors from around the world to Rend Lake. Their goal is to not only teach effective archery for competitions, but foster safe and ethical bow hunting practices and provide bow hunting opportunities. They also provide a basic understanding and respect for our natural resources, environment and nature, with a special emphasis on the modern wildlife conservation and regulated sport hunting. They do this through increasing their program in the local schools, which is very lacking in the Rend Lake area. Through this partnership, there will now be a location for the local schools to practice and compete. The S3DA will also perform educational programming at the Archery Complex for the public. Rend Lake College has already recruited an archery team and committed to providing scholarships for the archery team in the future. This falls right in line with the Rend Lake missions and helps build a stronger community.

**Innovativeness:**

This project brings together multiple Partners to work together to create a recreation area that truly meets the needs of the local community. Their involvement in the development of the plans for the improvements to the North Marcum Multiple Recreation Area will ensure the public support needed to make it successful and that they will be involved in maintaining the area into the future. This project is so resourceful, using the same trails for mountain biking, running, and large events. Instead of constructing an archery complex to be used August through October, it will be used all year long by multiple organizations in addition to the general public. So many groups have come together to make this possible. The Rend Lake team is expecting to see an exponential increase in the visitation numbers within the North Marcum area and cannot believe that the idea of improving low density recreation in this area has grown into this amazing project.

With the exception of the FY20 Recreation budget shortfall that Rend Lake is expected to experience, the timing for hosting these large archery tournaments has been perfect. The S3DA has the opportunity to stay at a different Midwest location for two more years but they wish to move to Rend Lake as soon as possible. The current location floods easily and has no additional opportunities for families in Illinois. This results in participants and their families driving twenty miles into Kentucky where 70% of the economic benefit from the tournament currently goes. Without the handshake funds, the electrical upgrades needed to host these large events at Rend Lake will have to be postponed increasing the chances that the event will find a different location that can accommodate them.

**Conclusion:**

With the prolonged closure of the large Rend Lake Resort, the Rend Lake area is in major need of an economic boost. Our ability to host these large events and meet the contract needs would provide both an economic and morale boost to our local communities. We are very excited for this opportunity to transform our underutilized area into a sought after venue for the public and multiple organizations.

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

**You MUST enter partner names into the spreadsheet:**

	Local Corps Office	Handshake Funds	Rend Lake College	Rend Lake Conservancy District	S3DA	USA
Salaries	\$10,000	N/A	\$4,000	\$6,000	\$0	\$3,000
Travel	\$0	N/A	\$0	\$0	\$0	\$1,000
Materials and Supplies	\$88,000	\$25,000	\$15,000	\$0	\$0	\$15,000
Equipment Use	\$0	\$0	\$2,000	\$14,000	\$0	\$12,000
Funds Contributed	N/A	N/A	\$0	\$0	\$0	\$0
Personal Property	N/A	N/A	\$0	\$0	\$0	\$0
Volunteer	N/A	N/A	\$4,000	\$2,000	\$6,000	\$27,000
In-Kind Services	N/A	N/A	\$0	\$0	\$0	\$0
Other (explain below)	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$98,000</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$22,000</b>	<b>\$6,000</b>	<b>\$58,000</b>
<b>Share of Total Cost</b>	33.9%	8.7%	8.7%	7.6%	2.1%	20.1%
	42.6%					

	Rend Lake Bike Club	IDNR	Erb Equipment	Ryterski Brothers	RLATC	Sierra Bravo
Salaries	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$4,000	\$0	\$0	\$0	\$16,000	\$0
Equipment Use	\$0	\$0	\$5,000	\$1,000	\$0	\$4,000
Funds Contributed	\$0	\$0	\$0	\$0	\$0	\$0
Personal Property	\$0	\$0	\$0	\$0	\$0	\$0
Volunteer	\$6,000	\$1,000	\$0	\$0	\$0	\$0
In-Kind Services	\$2,000	\$0	\$0	\$0	\$8,000	\$0
Other (explain below)	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$12,000</b>	<b>\$1,000</b>	<b>\$5,000</b>	<b>\$1,000</b>	<b>\$24,000</b>	<b>\$4,000</b>
<b>Share of Total Cost</b>	4.2%	0.3%	1.7%	0.3%	8.3%	0.01384083

	River2River Runners	LCI	Partner 13	Partner 14	Partner 15	Total
Salaries	\$0	\$0	\$0	\$0	\$0	\$23,000
Travel	\$0	\$0	\$0	\$0	\$0	\$1,000
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$163,000
Equipment Use	\$0	\$4,000	\$0	\$0	\$0	\$42,000
Funds Contributed	\$0	\$0	\$0	\$0	\$0	\$0
Personal Property	\$0	\$0	\$0	\$0	\$0	\$0
Volunteer	\$4,000	\$0	\$0	\$0	\$0	\$50,000
In-Kind Services	\$0	\$0	\$0	\$0	\$0	\$10,000
Other (explain below)	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$4,000</b>	<b>\$4,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$289,000</b>
<b>Share of Total Cost</b>	1.4%	1.4%	0.0%	0.0%	0.0%	100%

## Explanations:

Rend Lake COE funds will procure the rock and concrete needed for the trail and range accessibility, rock needed for the parking upgrade, the range shelter to keep the archers out of the elements, the entrance sign, the caution fencing and signage, and an accessible comfort station in the future if funding permits.

-Salaries for overseeing Project: \$10K

-Range shelter: \$25K

-Materials for parking area upgrades: \$20K

-Caution signage and fencing: \$15K

-Entrance and rules signage: \$15K

-Concrete for sidewalk, shelter, and shooting lanes: \$8K (use RLCD's slip form paver for sidewalk)

-Rock for trail and under concrete: \$5K

---

Total: \$98K

Partner funds will procure the trail and range targets with covers, a bike maintenance station, mountain bike trail directional signage, and materials to construct the elevated shooting platform. Partners will also donate equipment, fuel, and labor to complete the Project.

RL College: Materials, labor, and construction of bow hangers and target covers for trail and range: \$10K

Purchase of permanent targets for trail and range: \$15K

RL Conservancy District: Equipment, fuel & labor for construction and installation of archery trail:

\$11K Equipment, fuel & labor to assist with construction of mountain bike trail: \$8K Installation of the caution fencing with signage surrounding the trail: \$3K

Scholastic 3-D Archery: Professional Services for trail and range design and promotions: \$6K

Union Sportsmen's Alliance: Professional Services working as liaison between COE and unions, and promoting the Project through their organization and media: \$4K

Materials for the elevated shooting platform: \$15K

Construction of the accessible concrete lanes, sidewalks, and shelter floor: \$6K

Installation of the bow hangers and target covers: \$2K

Labor and potentially equipment and fuel for the upgrades to the parking areas: \$14K

Prep range grounds for accessible concrete target lanes, sidewalks, and shelter: \$5K

Construction (assembly) of the range shelter and elevated shooting platform: \$12K

Rend Lake Bike Club: Professional Services to design mountain bike trail: \$2K

Construction of the mountain bike: \$6K

Purchase and installation of bike maintenance station and trail directional signage: \$4K

IDNR: Professional Services to ensure the trail and range are accessible: \$1K

Erb Equip: Equip. donation to upgrade parking lot and prep grounds for shelter and sidewalks: \$5K

Ryterski Brothers: Donation of hauling equipment to and from job sites: \$1K

RL Area Tourism Council: Support and hold contracts for large events held at North Marcum: \$24K

Sierra Bravo: Equipment donation to upgrade parking lot: \$4K

River to River Runners: Assist with construction of the mountain bike trail. Adopt the trail when complete: \$4K

Lack Contracting, Inc.: Equipment donation to upgrade parking lot: \$4K

---

Total: \$166K