

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

**Please review instructions before completing application!**

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

Handshake Proposal Title: **North Sandusky Shelter 4 and 5 Replacement**

Corps POC Name: **James Ford**

Telephone: **(618) 724 - 2493 ext. 7122**

E-Mail: **james.l.ford@usace.army.mil**

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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.*

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**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 8 partners (50 bonus points for the first 5 partners plus 10 points for each additional partner). Total bonus points 80.

**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:**

Handshake funding would support the removal of group picnic shelters 4 and 5 in North Sandusky Recreation Area at Rend Lake, and the construction of one 30' x 40' group picnic shelter in the vicinity of the old shelters.

**Background and Project Information:**

Rend Lake is an 18,900 acre lake (41,135 total project acres) located on the Big Muddy River in Southern Illinois and has a primary purpose of water supply. Rend Lake provides recreational opportunities for more than 3 million visitors annually. The North Sandusky Recreation Area which consists of a campground, boat ramp, and day use area represents almost 10% of the project's visitation. The project also boasts over 20 miles of bike trails around the lower portion of the lake, which runs through North Sandusky near shelters 4 and 5. In addition to the well used bike trail, there is a current partnership working on completing an 18 hole disc golf course in the North Sandusky picnic shelter area to better utilize the existing maintained facilities.

Shelters 4 and 5 were constructed in 1973, when the project first opened, and have lived twice beyond their life expectancy of 20 years. They are old wooden structures, each with a large chimney at one end, that have had major rehabilitation throughout their life and at times have been very costly to repair. Currently, the firewood racks in both chimneys are being replaced several times a year and the chimneys themselves are beginning to crack at the joints allowing the stones to come loose and will need to be tuck pointed. The shelters have also had rotten wood replaced and are repainted every three to four years. Looking ahead both shelters will be in need of major rehabilitation to remain safe for public utilization.

By removing shelters 4 and 5 and replacing them with a single sustainable group shelter, we estimate a potential yearly savings of \$5,000 through reduced cleaning and maintenance. The new shelter will be an all metal structure that shall require minimal maintenance over the next 20-30 years.

The goal of this project is to follow the key areas of the National Recreation Adjustment Plan by:

1. Optimizing operations and maintenance to manage resources within the NRM program by removing two old shelters that require constant maintenance and replacing them with a single brand new structure.
2. Provide the highest value to the nation and return on investment to the public by providing a safe, long lasting, low maintenance structure.
3. Reviewing and adjusting labor distribution, expenditures and functionality by utilizing partners to remove the old shelters and install the new low maintenance structure.
4. Leveraging resources through innovative financing and partnerships.

**Sustainability description:**

In selecting a new group picnic shelter for the project, sustainability was a major factor. We wanted a sturdy structure that would require minimal maintenance and had a long life expectancy. With this in mind, the new picnic shelter will be an all metal structure with a life expectancy of more than 40 years. The metal is also finished with a graffiti proof powder coating for easy clean up and increased durability. We anticipate the maintenance on the new shelter to be minimal over the next 20 to 30 years, and have had success with this type of shelter in other locations around the project. In addition to the long lasting structure, LED lighting would also be used to increase energy efficiency. Overall the savings provided by this shelter from reduced O&M and energy savings will benefit the Corps staff at Rend Lake by allowing us to reallocate our resources to maintaining other facilities around the lake.

**Partnership Value:**

Rend Lake will be partnering with local union groups and will prove a benefit to all involved. The Corps will receive free in-kind services from the different trades while the unions will have a training platform for apprentices going through their education program. Most unions require their apprentices to complete several hours of volunteer work during the apprenticeship program and this project will serve as a template for future volunteer opportunities. Union trade apprentices and journeymen in fields of: plumbing, carpentry, equipment operators, electricians, iron workers, concrete masons and laborers; will provide most of the in-kind service labor for construction of the new group picnic shelter and the labor for the demolition of the old group shelters. The partners are critical to completing this project since Rend Lake's labor force is small and funding for contractual work is limited.

In addition to the local unions, Rend Lake will be utilizing their current partnership with the local Federal Prison to provide volunteer services that will benefit both the Corps and the participating inmates. The Corps will receive volunteer hours from the inmates performing demolition clean up, grounds maintenance around the new shelter, and any other labor that is needed during the project. This will allow the inmates to learn different job skills and gain experience that will help prepare them for release. This assistance from the inmates will be very beneficial for completing the project in a timely manner.

**Recreational Benefit:**

The benefit to recreation will be a much safer and user friendly group picnic area. The spacious new shelter will benefit larger groups such as family reunions, company picnics and weddings, as well as address accessibility issues. The new shelter will accommodate approximately 75 visitors, while the old shelters hold only 50. One major benefit to constructing the new picnic shelter is location. Both Shelters 4 and 5 are in poor locations with regards to utilization potential. Shelter 4 is prone to flooding when Rend Lake's water elevations are high causing it to be closed for safety. Shelter 5 is located away from the view of the lake which keeps the utilization lower than shelters with an excellent view of the water. The new shelter will be located across the road from Shelter 4, which will provide the beautiful lake views that make Shelter 4 so popular, but will also be on higher ground making the area accessible even during high water events.

While the new shelter would not cover the total capacity lost by removing shelters 4 and 5, we felt that was appropriate to meet the current utilization of Shelter 4 and the under utilization of shelter 5.

In addition to the added benefit of location and space, the new shelter will have accessibility upgrades that Shelter 4 and 5 do not. In the current shelters, the aisles between the picnic tables and the shelter pillars are very narrow with major accessibility limitations, but with the larger size of the new shelter, these limitations will be eliminated. The new shelter will also have an accessible water fountain along the sidewalk approaching the shelter and an accessible grill on one end of the shelter located on a large concrete pad to allow for grill utilization while in a wheel chair. In addition, there will be a 4 foot concrete apron around the shelter for accessibility and to cut back on erosion from foot impact and rainwater. Accessible picnic tables will also be a part of the new shelter which is not provided at the current shelters.

**Environmental Stewardship Benefit:**

By removing Shelter 4 and placing the new shelter in a different location, we will be eliminating a structure in the flood zone. The new shelter will have a four foot concrete apron around it to help prevent erosion and lessen the impact of compaction on the surrounding grass.

The Rend Lake Corps also holds a handicap firearm deer hunt within the recreation areas every year. The new shelter's accessibility upgrades and location will be perfect to accommodate a temporary handicap accessible

hunting blind that will also help protect the hunter from the weather or to serve as the registration area for the event.

**Communication & Education Value:**

This work project itself will provide an educational value to the participating partners. The union's apprentices will receive needed hands-on experience in their trade while also giving back to the local and visiting public.

Placing the shelter in the new location will also bring multiple opportunities for educational programming. It will be just across the road from a popular swim area, making it an ideal area for water safety programming. Also, it will be located a short distance from the first hole of the disc golf course. It will be utilized for hosting tournaments and for when our disc golf partners performs the annual "Introduction to Disc Golf" program which is a part of our Environmental Science Series.

The Rend Lake Corps also hosts marathons along the bike trail and roadways and the partners have a beginning/ending location as well as rest stops along the way that normally consists of portable shelters. This shelter being near the north section's end of bike trail would be either a good spot to begin/end or rest.

**Innovativeness:**

This type of project has never been attempted in our region where there are several different union groups working together as volunteers. This partnership will increase future partnering efforts with the local unions and potentially other businesses and groups in the area by serving as a model. This will also be the first opportunity for the inmates to receive certain hands on training and skill development.

As of now, our disc golf partner is already holding tournaments on the almost completed course and they are bringing reservations into our campgrounds. They are in need of a larger, closer placed shelter to hold tournament ceremonies along with somewhere to conduct programs. This project would be a first for the lake.

**Concluding statement:**

This project will help us reach our goal of taking an underutilized, yet maintained area, and making it one of the most popular recreation areas at the lake. The new shelter will last longer, require less maintenance, and allow for more opportunities including interpretive programming and tournament event centers. We look forward to this project creating learning opportunities for a variety of local workers as well as promote future partnerships.

## Challenge Partnership Financial Work Sheet

Corps Project Name: Rend Lake Project

Work Project Title: North Sandusky Shelter 4 And 5 Replacement

POC Name: James Ford

Address: 11981 Rend City Road City: Benton State: IL Zip Code: 62812

Telephone: 618 - 724 - 2493 x7122

Location of Project: North Sanducky Recreation Area, Rend Lake

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Partner Organization 1: Laborers Local 773

POC Name: Jim Hobbie

Address: 5102 Laborers Way City: Marion State: IL Zip Code: 62959

Telephone: 618 - 751 - 3771 x

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Partner Organization 2: Plumbers Local 551

POC Name: Erik Perkins

Address: P.O. Box 156 City: West Frankfort State: IL Zip Code: 62896

Telephone: 618 - 937 - 1363 x

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Partner Organization 3: Carpenters Local 638

POC Name: Alex Gromaba

Address: 2290 S. Illinois Street City: Belleville State: IL Zip Code: 62220

Telephone: 618 - 277 - 2051 x5094

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Partner Organization 4: Operators Local 318

POC Name: Norman Winters

Address: 8963 Crenshaw Road City: Marion State: IL Zip Code: 62959

Telephone: 618 - 942 - 3931 x

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Partner Organization 5: Electricians Local 702

POC Name: Steve Hugart

Address: 106 N Monroe City: West Frankfort State: IL Zip Code: 62896

Telephone: 618 - 932 - 2102 x

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Partner Organization 6: Iron Workers Local 782

POC Name: David Jones

Address: 310 David Lane City: Vergennes State: IL Zip Code: 62994

Telephone: 618 - 559 - 3458 x

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Partner Organization 7: Plasterers and Cement Masons Local 143

POC Name: Chirs Butler

Address: 3301 North Boardwalk, P.O. Box 6569 City: Champaign State: IL Zip Code: 61826

Telephone: 618 - 527 - 3816 x

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Partner Organization 8: Sheet Metal Workers Local 268

POC Name: Carl Cacioppo

Address: 2701 N 89<sup>th</sup> Street

City: Caseyville

State: IL

Zip Code: 62232

Telephone: 618 - 397 - 1443 x

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Partner Organization 9:

POC Name:

Address:

City:

State:

Zip Code:

Telephone: - - x

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Partner Organization 10:

POC Name:

Address:

City:

State:

Zip Code:

Telephone: - - x

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Partner Organization 11:

POC Name:

Address:

City:

State:

Zip Code:

Telephone: - - x

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Partner Organization 12:

POC Name:

Address:

City:

State:

Zip Code:

Telephone: - - x

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Partner Organization 13:

POC Name:

Address:

City:

State:

Zip Code:

Telephone: - - x

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Partner Organization 14:

POC Name:

Address:

City:

State:

Zip Code:

Telephone: - - x

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Partner Organization 15:

POC Name:

Address:

City:

State:

Zip Code:

Telephone: - - x

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

	<b>Local Corps Office</b>	<b>Handshake Funds</b>	<b>Partner 1 Laborers</b>	<b>Partner 2 Plumbers</b>	<b>Partner 3 Carpenters</b>	<b>Partner 4 Operators</b>
Salaries	\$7,500	N/A	\$0	\$0	\$0	\$0
Travel	\$0	N/A	\$0	\$0	\$0	\$0
Materials and Supplies	\$10,000	\$30,000	\$0	\$0	\$0	\$0
Equipment Use	\$6,000	\$0	\$0	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0
In-Kind Services	N/A	N/A	\$5,000	\$1,100	\$2,500	\$5,700
Other (explain below)	\$3,300	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$26,800</b>	<b>\$30,000</b>	<b>\$5,000</b>	<b>\$1,100</b>	<b>\$2,500</b>	<b>\$5,700</b>
<b>Share of Total Cost</b>	34.2%	38.3%	6.4%	1.4%	3.2%	7.3%

	<b>Partner 5 Electricians</b>	<b>Partner 6 Iron Workers</b>	<b>Partner 7 Masons</b>	<b>Partner 8 Sheet Metal</b>	<b>Partner 9</b>	<b>Partner 10</b>
Salaries	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$0	\$0	\$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	\$0	\$0	\$0	\$0	\$0
In-Kind Services	\$1,100	\$3,000	\$1,400	\$1,800	\$0	\$0
Other (explain below)	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$1,100</b>	<b>\$3,000</b>	<b>\$1,400</b>	<b>\$1,800</b>	<b>\$0</b>	<b>\$0</b>
<b>Share of Total Cost</b>	1.4%	3.8%	1.8%	2.3%	0.0%	0

	<b>Partner 11</b>	<b>Partner 12</b>	<b>Partner 13</b>	<b>Partner 14</b>	<b>Partner 15</b>	<b>Total</b>
Salaries	\$0	\$0	\$0	\$0	\$0	\$7,500
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Materials and Supplies	\$0	\$0	\$0	\$0	\$0	\$40,000
Equipment Use	\$0	\$0	\$0	\$0	\$0	\$6,000
Funds Contributed	\$0	\$0	\$0	\$0	\$0	\$0
Personal Property	\$0	\$0	\$0	\$0	\$0	\$0
Volunteer	\$0	\$0	\$0	\$0	\$0	\$0
In-Kind Services	\$0	\$0	\$0	\$0	\$0	\$21,600
Other (explain below)	\$0	\$0	\$0	\$0	\$0	\$3,300
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$78,400</b>
<b>Share of Total Cost</b>	0.0%	0.0%	0.0%	0.0%	0.0%	100%

Explanations:

**The Corps will:**

The Corps will provide technical oversight and planning over the entire project. The following will be the materials and services provided by the Corps during the execution of the project:

- Utilizing Handshake funds, the Corps will procure the shelter (30' x 40') package, supplies and materials to construct the shelter (\$30,000).
- Utilizing O&M project funds, the Corps will procure the remaining supplies and materials along with additional equipment needed (\$16,000)
- Coordination of activities, in-house labor, site design, management of resources (\$7,500)
- The Corps is currently in a partnership agreement with a local Federal Prison which will be providing inmate workers to assist with any labor needed including demolition clean up and ground maintenance around the new shelter (\$3,300.00)

**The Partner(s) will:**

The eight local trade union partners will provide in-kind services to remove the old group picnic shelters, prepare the ground and construct the new shelter from the foundation through to the finished product. The partners will be providing their own hand tools to complete their work.

1. Laborers Union will assist the other trades with labor work needed for the job (\$5,000)
2. Plumbers Union will plumb the shelter for water and install an ADA drinking fountain (\$1,100)
3. Carpenters Union will assist with the erection of the new group picnic shelter and install the roof decking (\$2,500)
4. Operators Union will operate equipment to remove Shelters 4 and 5 and prepare the ground and bedding materials for the new shelter's concrete pad, walkways, and accessories (\$5,700)
5. Electrical Union will wire the shelter for electricity and install lights and electrical outlets (\$1,100)
6. Iron Workers Union will assist with the erection of the new group picnic shelter and set the posts and install the framework and the roof (\$3,000)
7. Plaster and Cement Masons Union will form and pour the concrete pad for the new shelter's foundation, picnic grill, and ADA drinking fountain. They will also form and pour the sidewalk to access the new shelter from the parking lot (\$1,400)
8. Sheet Metal Workers Union will assist with the installation of the roof (\$1,800)

# North Sandusky Shelter Locations



## Representation of Replacement Shelter

