

Contract No. 015-163
Cannonball River Fish Passage at Karey Dam
 Submitted by Hettinger County Water Resource District
 Primary Contact: Terry Kirschmann
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PARTICIPANTS

| Sponsor | | Cost Share |
|------------------------------------|---------------------|----------------------|
| ND State Water Commission | \$971,325.00 | |
| USFWS | \$ 15,000.00 | |
| Hettinger County WRD | \$ 50,000.00 | |
| City of New England | <u>\$ 5,000.00</u> | |
| Subtotal Cash Cost Share | | \$1,041,325.00 |
| North Dakota Industrial Commission | <u>\$253,770.00</u> | |
| Subtotal OHF Funding | | <u>\$ 253,770.00</u> |
| Total Project Cost | | \$1,295,095.00 |

Project Schedule: 20 months
 Contract Date: 2/19/2020
 Start Date: 2/19/2020
 Completion Date: 10/31/2021

| <u>Project Deliverables</u> | |
|-----------------------------|--------------------|
| Status Report: | October 31, 2020 ✓ |
| Status Report: | April 30, 2021 |
| Final Report: | October 31, 2021 |

OBJECTIVE/STATEMENT OF WORK:

This objective of this project is to remove the existing Karey Dam and replace it with an engineered rock ramp the same crest height as the existing dam in order to improve river connectivity, re-establish the fish passage, and reduce the long-term maintenance requirements.

STATUS:

The contract has been approved and partially executed.

The contract has been executed by both parties.

October 2020

Public bids were opened on July 23, 2020. The preconstruction visit and site photos were completed the same day.

Erosion control was installed before construction began. The dam was breached, and the water level was lowered in August. Water Control was installed, and the Dam was destructed and hauled offsite to the City dump. Topsoil was stripped and stockpiled as required by the plans and the existing fence was removed on the north side of the river. Minimal clearing and grubbing was completed. Contractor removed sediment from the design channel and excess bank material was used as fill. It was placed in lifts and compacted to bring the subbase to design elevation. Density testing was completed. The Contractor installed 2,050 SF of PS-27.5 Sheet Pile at the upstream and downstream ends of the dam.

December 2020

Subgrade excavation was completed at the of September. Shaping of the embankments and the adjacent land continued while Rock gradation tests were performed. Granular filter and rip rap delivery to the project started October 5th. The contractor started installing the geotextile fabric that week as well, working in sections starting at the downstream sheet pile. The final riffle and remaining sheet pile

were installed the week of October 12th with chink rock placed the following week. The contractor finished placing all imported material for the rock riffle structure by October 20th and removed the water control structure, topsoiled the laydown areas, finished reclaiming the adjacent property and removed the silt curtain. Seeding and restoration was completed November 6th. The final walk through was completed November 6th.

Dated 12/9/2020