Contract No. 006-086
“Tree Planting & Accessibility Improvements at Sheep Creek Dam & Raleigh Dam”
Submitted by Grant County Water Resource District
Principal Investigator: Julie Levorsen
Directives A, C & D

PARTICIPANTS

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Cost Share</th>
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<tbody>
<tr>
<td>Grant County Water Resource District (cash)</td>
<td>$11,529</td>
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<td>Elgin Lions Club (cash)</td>
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<td>Subtotal Cash Cost Share</td>
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<td>North Dakota Industrial Commission</td>
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<td>Total Project Cost</td>
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Project Schedule – 12 months
Contract Date – 1/26/2016
Start Date – 1/1/2016
Completion Date – June 30, 2017*

OBJECTIVE/STATEMENT OF WORK:
This project includes the construction at the Sheep Creek Dam of 2 handicap accessible campsites, improvements to accessible fishing pier, upgrade 4 campsites, expand and upgrade primitive campsites; and at the Raleigh Dam - construction of 1 handicap accessible campsite, upgrade 1 campsite, expand and upgrade primitive campsites, with planting of trees at both recreation areas.

STATUS:
Contract 006-086 has been executed. The project as submitted included the cost of picnic tables at the primitive campsites that totaled $4,257. The Industrial Commission cannot pay for the costs of picnic tables that are not affixed to the ground so that expense was not included in Contract 006-086. The District has indicated that they will pay the costs of $4,257 so the project can go forward as outlined in their application.

Status Report received July 26, 2016. The Status Report states:
March - June - All supplies & materials ordered and delivered to Sheep Creek & Raleigh Dams
April:
• Installed kid friendly, safety railings to accessible fishing pier. Installed accessible hand railing on walkway to accessible fishing pier.
• Planted & mulched 20-8' cottonwood trees at Sheep Creek Dam
• Electrician installed accessible & regular camping pad hookups at Sheep Creek & Raleigh Dam campsites.
May:
• Planted 300 soil conservation trees, mulched 100 trees at sheep Creek Dam. Assembled accessible and regular picnic tables. Placed tables at Sheep Creek Dam.
• Planted, staked, and mulched 10-8' cottonwood trees at Raleigh Dam.
• Planted and mulched 150 soil conservation trees at Raleigh Dam.

June:
• Mulched remaining small trees at Sheep Creek Dam.
• Watered cottonwood trees at Sheep Creek Dam & 40 small pine trees.
• Delivered accessible and regular picnic tables to Raleigh Dam. Placed tables picnic & campsites.
• Delivered fire rings and grills to Raleigh Dam.

Dirt and concrete work for accessible camping pads will be completed after the heat of the summer has passed for quality control reasons. Accessible fire rings and charcoal grills will be installed at that time. We hope to have these projects completed by the end of September.

80% or greater survival on small trees in spite of a drought during May and June. 50% loss on 8' cottonwood trees due to wholesale nursery issues. They will replace them at no charge in the spring of 2017.

The Elgin Lions Club donated $4000 to the Grant Co. Water Resource District to be used as matching funds for this Outdoor Heritage Fund Grant.

**Status Report received January 20, 2017.** The Status Report states:

July:
• Installed fire rings at Sheep Creek Dam.

August:
• Installed south beaver barrier fence and a number of tree guards at Sheep Creek Dam.

September:
• Installed west beaver barrier fence and the remaining tree guards at Sheep Creek Dam.
• Site prep. work for the accessible camping pads, hauled dirt & gravel, trenched and installed water hydrant for the two accessible camping pads.
• Filled trench, spread gravel for the base of the camping pads, fine grade camping pads, install fire rings and posts for accessible charcoal grills.
• Site prep. work for the accessible charcoal grill by the accessible fishing pier.
• Hauled sand and gravel needed to complete the ground work for the camping pads.
• All the work mentioned above was done at Sheep Creek Dam.

October:
• Met with concrete contractor.
• Contractor set up forms, poured and finished the concrete for the two accessible camping pads and around the accessible fire rings & charcoal grills at Sheep Creek Dam.
• Spread dirt and gravel around the edges of the concrete work.

November:
• Installed landscape brick around the accessible water hydrant at Sheep Creek Dam.
• Installed tree fences around all of the 8' cottonwood trees at Raleigh Dam.

The construction of the accessible camping pad, fire ring and charcoal grill at Raleigh Dam was not completed due to the late delivery of the gravel needed for the base of the concrete work. The gravel
was delivered in late November. That was too late in the season to complete this concrete project before the onset of winter.

Due to the extreme drought in the Raleigh Dam area, the death loss of the soil conservation trees was about 90%. It is planned to replant these trees in the spring of 2017.

**January 20, 2017 Extension Request**
A no-cost extension has been requested and granted to allow additional time to complete the project and to allow for one more season to plant new soil conservation trees to replace the extreme tree losses at Raleigh Dam and the small number of trees at Sheep Creek Dam.

**July 30, 2017**
The final report has been received. It states in part:
April 2017: Planted 14 8' bareroot replacement cottonwood trees, mulched, staked, fenced and watered at Raleigh and Sheep Creek Dam recreation areas. Planted 45 soil conservation replacement trees at Sheep Creek Dam.

May 2017: Planted, mulched and watered 115 soil conservation replacement trees at Raleigh Dam. Mulched soil conservation trees at Sheep Creek Dam. Completed dirt preparation work for the concrete accessible camping pad and installed charcoal grill posts at Raleigh Dam.

June 2017: Staked out concrete pads. Contractor poured concrete for accessible camping pad and accessible fire ring/charcoal grill pad. Backfilled around concrete edges with gravel and fill dirt. Installed fire rings -- all at Raleigh Dam. Watered all the cottonwood trees and some pine trees at Sheep Creek Dam.

Due to extreme drought at Raleigh Dam in 2016 and extreme droughts at Sheep Creek Dam and Raleigh Dam in 2017 a big effort was made to mulch and water the newly planted trees. Because of this effort, we estimate about an 80% survival rate on our soil conservation trees and a 90% survival rate on our large cottonwood trees.

The accessible camping pad with electricity at Sheep Creek Dam has been used almost every weekend since installation. The use of this area has doubled since the OHF projects were completed. Regretfully, the accessible camping pad without electricity has yet to be used. Campers are parked along the sides of the picnic shelter and stretch long power cords to the existing electric outlets. The Grant Co. Water Resources Districts plans to install electrical power to this accessible camping pad and then expect it to be used frequently.

The accessible fishing pier is used almost every day during the active fishing season of May and June. During the hot weather of summer when shore line fishing declines, the fishing pier is used several times a week. Wheel chair users and seniors have been observed using the accessible fishing pier.

The Grant Co. Water Resource District continues to improve the accessibility of its two recreation areas with a grant from the ND Game and Fish Department to install an accessible vault toilet at the west campground at Sheep Creek Dam. This accessible vault toilet will connect with a sidewalk to the accessible camping pad. The Game and Fish grant will also help install an accessible parking pad and walkway to the existing accessible fishing pier at Raleigh Dam.
Plans for accessible vault toilets connecting to the accessible fishing piers at both the Sheep Creek Dam and the Raleigh Dam are being developed for 2018. Plans for installation of 4’ x 8’ recreation signs that will include listing the ND Outdoor Heritage Fund as a sponsoring agency are also planned for 2018.

Matching funds were provided by a $4,000 donation from the Elgin Lions Club and the remaining balance provided by the grant Co. Water Resource District.

This is the final report and the contract has been closed.

Updated 9/11/2017