Loban, Hackleman, Olson LLC.
P.O. Box 35
Cowdrey, Colorado 80434

April 30, 2013

Mr. Greg Johnson
Colorado Water Conservation Board
Water Supply Planning Section
1580 Logan Street, Suite 200
Denver, CO 80203

RE: RE: Loban, Hackleman, Olson LLC. - Structure for Water Control
Purchase Order Number: OE PDA 131BC000011

Dear Greg:

NRCS inspected the structure on 4/29/13 and certified it as complete and meeting their standards and specifications for Structure For Water Control. Attached is their certification document.

This completes our obligations within our contract with the Colorado Water Conservation Board. Thank you for the opportunity to work with your department and the funding of the project. Also attached are the final Statement of Work and Completed Budget documents for the project.

Total Funds Requested & Allocated from WSRA: $57,539.70
Actual Project Cost: $53.667.93

First Partial Payment Request: $14,285.94
(Gates and Freight - 12/11/12)

Second Partial Payment Request: $10,883.50
(Materials for the Structure - 2/5/2013)

Final Payment Request: $23,131.70
(Completion of Structure - Labor, RipRap and Installation)

Applicant / Landowner Contribution: $5,366.79

Any questions, please feel free to contact me.

Sincerely,

Tom Hackleman

Tom Hackleman

Statement of Work

WATER ACTIVITY NAME – Seneca Ditch - Structure for Water Control Project

GRANT RECIPIENT – Loban, Hackleman and Olson LLC.

FUNDING SOURCE – WSRA: North Platte Basin Roundtable Allocation

INTRODUCTION AND BACKGROUND:

Provide a brief description of the project. (Please limit to no more than 200 words; this will be used to inform reviewers and the public about your proposal)

The Seneca Ditch water right owner's propose to replace an old, deteriorated headgate at the point of diversion on the Michigan River. The headgate structure plays an essential role in regulating and controlling the flow of irrigation and livestock water entering the Seneca ditch.

The existing structure is run down and no longer has the ability to effectively regulate and control water. A new structure will allow the user's to effectively and efficiently manage the amount water entering the Seneca ditch during seasonal irrigation flows, as well as provide a positive shutoff control, to the ditch, at the structure. This improved level of water control will improve irrigation water management and benefit all uses associated with the Seneca ditch water.

Installation of the Structure for Water Control addresses both consumptive and non-consumptive needs in a cost effective, collaborative way. The Seneca Ditch provides irrigation water to three different landowners in the northern part of the county, which irrigate approximately 1,100 acres of hay and pasture land. In addition to irrigating the highly valuable hayland, some water is also allocated for livestock use. The irrigation ditches below the structure create extremely valuable irrigation induced wetlands and riparian areas that provide habitat for many species of big game, waterfowl and upland birds, including the Greater Sage Grouse.

The water right holder's of the Seneca Ditch headgate have received technical and engineering assistance through the Natural Resources Conservation Service (NRCS) for the survey and design of the proposed

structure. NRCS will continue to provide technical support throughout the construction, installation, revegetation, and maintenance phases of the project.

The entire amount of the WSRA funds requested will be used in the actual construction, installation and administration of the new structure.

OBJECTIVES:

1. To install a Structure for Water Control (headgate) that will efficiently and effectively control the amount of water entering into the Seneca Ditch, provide a positive shutoff at the structure location.
2. To provide the water users and commissioner with a better means of controlling and administering the water rights and flows associated with the Seneca Ditch.

TASKS:

TASK 1 – Determination of Project Need and Feasibility (COMPLETED)

Description of Task – Determine the need and feasibility of installing a new Structure for Water Control in the Seneca Ditch

Method/Procedure – Site visit: Seneca Ditch representative and NRCS personnel

- ✓ Assess the current condition of the existing structure and consider the need, feasibility and cost of installing a new structure.

Deliverable – Project was determined to be needed and feasible

TASK 2 – Engineering Survey and Design (COMPLETED)

Description of Task - Perform the on-site engineering survey and design a Structure for Water Control.

Method/Procedure - Follow-up visit: NRCS staff

- ✓ an engineering survey will be performed

Deliverable – An engineering plan, draft structure design and copies of NRCS's Standards and

Specifications were provided to the company contact. Reference: the attached NRCS Structure for Water Control design

TASK 3 – Project Construction and Installation (COMPLETED)

Description of Task – The planned Structure for Water Control shall be installed

Method/Procedure – On site: Contractor (NRCS staff and contact person when needed)

- ✓ the structure shall be constructed/installed
- ✓ the site shall be smoothed and reseeded

Deliverable – A completed and functioning Structure for Water Control

REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion of the tasks identified in the statement of work including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

- ✓ ***A final report will be provided to the CWCB after the construction and installation of the project is completed.***

Practice is complete and meets NRCS's standards and specifications for Structure For Water Control #587. The Final Inspection Report is attached.

Debbi Heney
NRCS 4/30/2013

BUDGET

* Total Costs		
	* *Labor/Equipment/Materials*	*Cost*
Task 1 – Need and Feasibility	NRCS staff: In-Kind Contribution Project Contact Person: In-Kind Contribution	300.00
Task 2 – Survey and Design	NRCS staff: In-Kind Contribution	2,200.00
Task 3 – Construction and Installation	Contractor : Concrete Riprap Bar Grates (cat walk) Gates	63,300.00
Administration Costs	**Copies, Billing, Reports and Etc. (1% of monetary cost of structure)**	**633.00**
Total Costs:		**66,433.00**

Contributions		
	Planned	**Actual**
NRCS (In- Kind Contribution):	**2,500.00**	**2,500.00**
Applicant / Water Owners Contribution (10% of monetary contribution):	**6,393.30**	**5,367.79**
WRSA Contribution:	**57,539.70**	**48,301.14**
Total Contributions:	**66,433.00**	**56,168.93**

* The Applicant/Landowner shall be responsible for any and all cost over-rides.
* If the final project completion cost is less than the requested WRSA funds, the remaining funds will be returned to the Basin Account.

SCHEDULE

Task	Estimated Start Date	Estimated Completion Date
1. Need and Feasibility	COMPLETED	
2. Survey and Design	COMPLETED	
3. Construction and Installation	COMPLETED 4/30/13	

PAYMENT

Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 5 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.

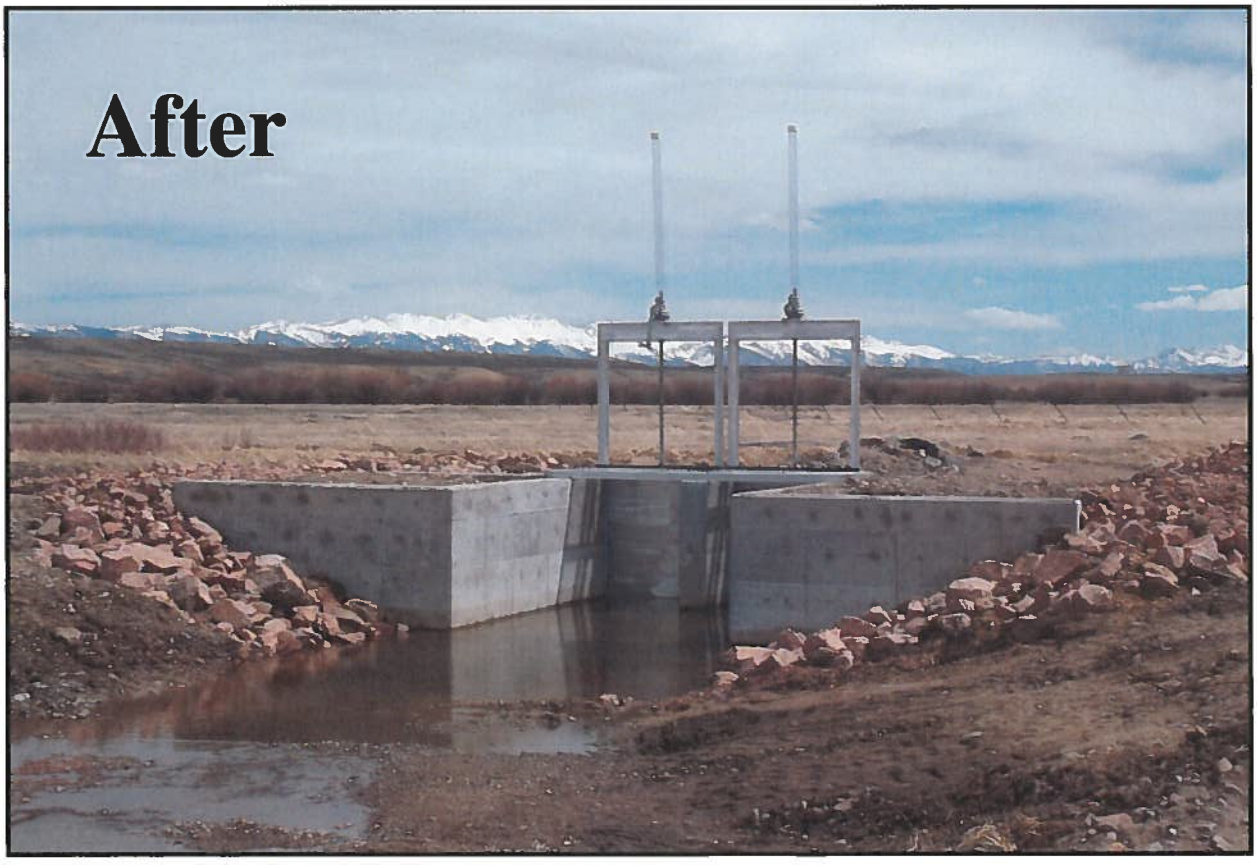
Seneca Ditch
Structure For Water Control

Reference: Purchase Order Number OE PDA 131BC000011

Project Completion and Certification
4/30/2013

Practice is complete and all materials and installation conforms with NRCS Specification #587 - Structure For Water Control


Before

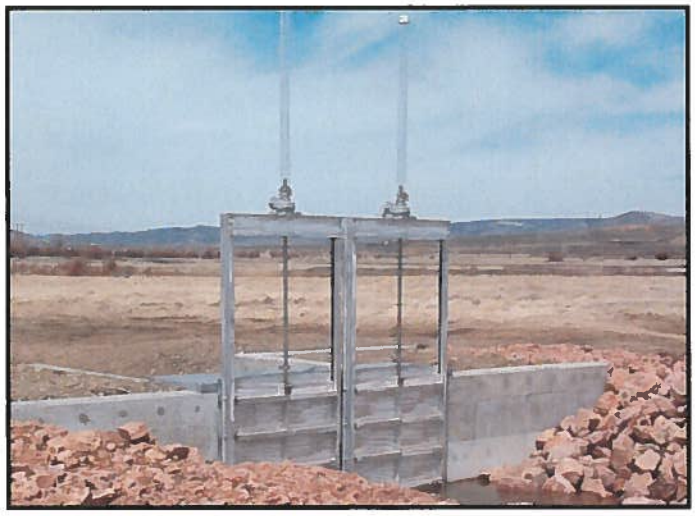

After

Walls:

- 12" thick
- 2 rows of #5 bars on 10" centers
- Chamfered 3/4 inch
- Min compressive strength of 4000 psi

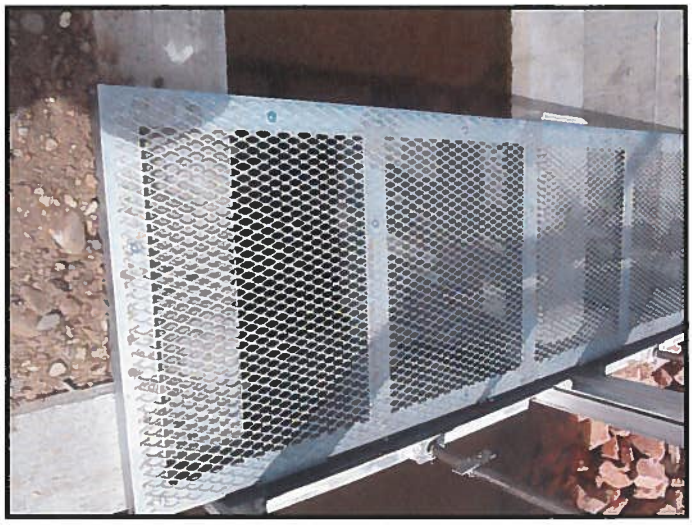
Rock Riprap:

- Angular in shape
- Greatest dimension not larger than 2.5 times the least dimension
- Mirafi 180N or equivalent filter fabric under rock



Gates:

- (2) 48" x 60" self contained, flange back, galvanized, Fresno fabricated Slide Gates or equivalent
- Attached per manufac-tures specifications



Grate Walkway:

- (2) 3'wide x 5'- 6" long
- 19 W 4 Grating
- 1 1/4" x 3/16" bars
- Innovative Ironworks
- Manufactured or Eqiv. Coated with epoxy zinc paint

Earth Fill::

- To specified or ground elevation
- Minus 1"clay type material with sufficient moisture to form a ball
- Compacted with a minimum of 3 passes with a jumping Jack, Vibrating Plate Compactor or Hand Directed Sheepsfoot Roller in lifts not greater than 6"