

MEMORANDUM

To: PPO Subcommittee
From: Amanda Grint, Water Resources Engineer
Date: September 2, 2021
Re: Amendment No. 4 to Professional Services Contract with Benesch for the Glacier Creek Stream and Wetland Mitigation Bank Project

In April 2010, a professional services contract was approved with HWS (now Benesch) for design of the Glacier Creek stream and wetland mitigation bank for a not to exceed fee of \$106,800. Amendments were approved in April 2011, June 2012, and January 2019, bringing the total not to exceed amount to \$261,399. During this time the Site Development Plan for the US Army Corps of Engineers and construction documents were revised, but funding was delayed for the construction. The current contract with Benesch involved completion of the construction plans, bid documents and final site development plan. This fourth amendment to the contract is proposed to cover out of scope items that went into the revised final design and construction observation services.

The proposed contract Amendment No. 4 details are provided in the attached scope and fee letter amendment dated September 1, 2021, from Benesch. A summary of the proposed tasks follows:

- Update of the Site Development Plan to address comments from USACE.
- Additional design work to include Geotech and plans for a pedestrian bridge.
- Minor revisions to final construction plans and bid documents.
- Construction observation services including material testing, progress meetings, seed and plant stock inspections and providing assurance of plan compliance.

This amendment is estimated at \$146,979.00 and brings the total not to exceed contract amount to \$408,378.00. The project has been bid and construction is expected to begin in October 2021 and be completed in December 2022.

Staff recommends that the Subcommittee recommend to the Board that the General Manager be authorized to execute the proposed Professional Services Agreement Amendment No. 4 with Benesch for the Glacier Creek Stream and Wetland Mitigation Bank Project in the amount of \$146,979.00, bringing the total not to exceed contract amount to \$408,378.00, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.

September 1, 2021

Papio-Missouri River Natural Resources District
Attn: Ms. Amanda Grint, P.E.
8901 S. 154th Street
Omaha, NE 68138-3621

**RE: Glacier Creek Wetland and Stream Bank Project
Request for Contract Amendment #4**

Dear Ms. Grint:

Benesch is proposing to amend the Glacier Creek Wetland and Stream Bank project contract with Amendment #4 based on additional services requested by the Papio-Missouri River Natural Resources District (PMRNRD). Additional items requested included geotechnical borings, updating the Site Development Plan, bid documents updating, permitting, and construction phase services for the final proposed improvements. Benesch is requesting to amend our original contract to add this requested additional scope of work.

The following details the additional items of work.

Item 1 – Pedestrian Bridge Geotechnical Boring

Initially, the plan was to utilize existing borings at the site which were installed for the design of the created wetlands and restored stream channel, however, once the type of structure was confirmed an additional boring at the exact location of the bridge and greater depths was recommended by the geotechnical engineer. The following details the additional item of work.

- Drill a 75-foot-deep boring with Dutch Friction-Cone soundings.
- Sample at four depths using 3-inch Shelby tubes.
- Lab testing samples for soil density, moisture content, liquid and plastic limits, plasticity index, consolidation test, sand content, triaxial compression of cohesive soil, unconsolidated-undrained.
- Analysis of culvert/bridge foundation
- Report with recommendations

Item 2 - Update Instrument

The October 2019 Site Development Plan (SDP) Revision 3 was updated at the request of the COE to address comments provided on January 29, 2021, from Interagency Review Team and COE. This scope item also includes a meeting with the COE to discuss comments, a meeting with PMRNRD to discuss comments and information needs, and a final meeting with the COE to finalize the SDP.



Item 3 - Design and Bid Document Update

For this task, Benesch will update the previously completed design plans and specifications completed in 2020 to include any design changes, specification changes and incorporate any changes from the COE and PMRNRD.

Item 4 – Construction Observation Services

Benesch will provide construction observation services during the construction phase of the project to document compliance of the work with the Contract Documents. A qualified individual will observe and document the construction conforms to the requirements of the contract documents. We anticipate this task will include field notes, photographs, elevation spot checks, materials testing of grading and structural concrete, and seed and plant stock inspections completed during construction. It is anticipated that full time construction observation will be performed during all structural construction (reinforced concrete drop structures, pedestrian bridge, and reinforced concrete low water crossing) and periodic construction observation will be performed during all temporary construction, grading, seeding, and other non-structural construction activities. Periodic construction observation is anticipated to be not more than ten (10) hours per week when construction activities are being performed. It is assumed there will be up to thirty (30) full time construction observation site visits and up to one hundred (100) periodic construction observation site visits total throughout the entirety of the project. Full-time and periodic construction observation shall include random quality assurance materials testing to document general compliance with the requirements stated in the Contract Documents. It is anticipated four (4) site visits will be performed by a Professional Engineer and an Environmental Scientist to review in progress construction activities.

Fee Summary

As this additional service is outside our current scope of work additional fee will be required to complete the work described above. We request to increase our current not to exceed fee by \$146,979.00.

Please acknowledge your acceptance of the Amendment Scope and Fee by signing below and returning one copy for our records. We will consider the receipt of the signed acceptance as our notice to proceed with these services unless otherwise indicated. If you have any questions, please contact us at your convenience.

Sincerely,

Andrew Miller
Project Manager

Jeffery A. Sockel, P.E.
Sr. Vice President

Accepted by Papio-Missouri River NRD:

Signature

Date

Printed Name

Title

FEE ESTIMATE

ITEM/DESCRIPTION: Glacier Creek Amendment #4
 PROJECT LOCATION: Omaha
 CLIENT: PMRNRD

ITEM/DESCRIPTION	RATE	PM		SDP/Permits		Bidding Phase Support		Maintenance Plan		Design Build		Observation		TOTAL	
		HRS	\$\$	HRS	\$\$	HRS	\$\$	HRS	\$\$	HRS	\$\$	HRS	\$\$	HRS	\$\$
LABOR															
Project Manager II	\$175	110	\$19,250		\$0		\$0		\$0		\$0		\$0	110	\$19,250
Senior PM	\$190		\$0		\$0		\$0		\$0		\$0	8	\$1,520	8	\$1,520
Senior Engineer/Scientist	\$160		\$0	24	\$3,840	8	\$1,280	32	\$5,120	32	\$5,120	248	\$39,680	344	\$55,040
Senior Project Scientist	\$143		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Engineer I	\$123		\$0	8	\$984		\$0		\$0		\$0		\$0	8	\$984
Project Scientist I	\$97		\$0	48	\$4,656		\$0	32	\$3,104		\$0		\$0	80	\$7,760
Construction Rep II	\$97		\$0		\$0		\$0		\$0		\$0	600	\$58,200	600	\$58,200
Technologist II	\$80		\$0	8	\$640		\$0		\$0		\$0		\$0	8	\$640
TOTAL LABOR (HRS/\$)		110	\$19,250	88	\$10,120	8	\$1,280	64	\$8,224	32	\$5,120	856	\$99,400	1158	\$143,394

EXPENSES	RATE	UNITS		UNITS		UNITS		UNITS		UNITS		UNITS		UNITS	
		UNITS	\$\$	UNITS	\$\$	UNITS	\$\$	UNITS	\$\$	UNITS	\$\$	UNITS	\$\$	UNITS	\$\$
Reproduction Expenses	\$50.00		\$0	5	\$250		\$0	2	\$100		\$0	7	\$350		\$0
Travel	\$0.56		\$0		\$0		\$0		\$0	180	\$101	2025	\$1,134	2205	\$1,235
Survey	\$1.00		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Computer	\$30.00	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Camera	\$5.00		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Per Diem	\$100.00	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Materials Testing	\$1.00		\$0		\$0		\$0		\$0		\$0	2000	\$2,000	2000	\$2,000
Misc	\$1.00		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
TOTAL BENESCH EXPENSES			\$0		\$250		\$0		\$100		\$101		\$3,134		\$3,585
TOTAL TASK / ACTIVITY			\$19,250		\$10,370		\$1,280		\$8,324		\$5,221		\$102,534		\$146,978.80

TOTAL NOT TO EXCEED AMOUNT \$146,979.00