



EA Engineering, Science, and Technology, Inc.
221 Sun Valley Blvd., Ste. D
Lincoln, NE 68528
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Nebraska Community Foundation, Inc.
PO Box 83107
Lincoln, NE 68501-3107
TIN# 47-0769903

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM

Contract between Nebraska Community Foundation, Inc., Platte River Recovery Implementation Program, and EA Engineering, Science, and Technology, Inc.

Shoemaker Island Flow-Sediment-Mechanical “Proof of Concept” Experiment Implementation Design, Technical Support, Monitoring, and Data Analysis

1. Parties. This Contract is made and entered into by and between the Nebraska Community Foundation, Inc. (“**Foundation**”) of Lincoln, Nebraska, representing all signatories to the Platte River Recovery Implementation Program (“**Program**”) and EA Science, Engineering, and Technology, Inc. (“**Consultant**”). The following persons are authorized to represent the parties through this Contract: Diane Wilson of the Foundation, Dr. Jerry Kenny of the **Program**; and Dale Schlautman of the **Consultant**.

2. Purpose of Contract. The purpose of this Contract is to allow the **Foundation**, acting as the fiscal agent for the Governance Committee (GC) of the **Program**, to retain the services of the **Consultant** to render certain technical or professional services hereinafter described in connection with an undertaking to be financed by the **Program**, and to delegate the Executive Director’s Office (“**ED Office**”) through its Executive Director or his designee the authority to administer this Contract.

TERMS AND CONDITIONS

3. Term of Contract and Required Approvals. This Contract is effective when all parties have executed it and all required approvals have been granted. The term of this Contract is from September 7, 2012 through December 31, 2016. The services to be performed under this Contract will commence upon receipt of authorization to proceed. All services shall be completed during this term.

If the **Consultant** has been delayed and as a result will be unable, in the opinion of the **Program**, to complete performance fully and satisfactorily within this Contract period, the **Consultant** may be granted an extension of time, upon submission of evidence of the causes of delay satisfactory to the **Program**.

4. Payment.

A. Reimbursement of Expenses. The **Program** agrees to pay the **Consultant** an amount based on the approved budget depicted in Exhibit B and hourly rate and reimbursable expenses price schedules depicted in Exhibit C, attached to this Contract and incorporated by reference as part of this Contract, for the services described in Exhibit A, attached to this Contract and incorporated by reference as part of this Contract. Total payment under this Contract for Task 1 shall not exceed twenty four thousand, nine hundred dollars (\$24,900). *Detailed scope and fee for Tasks 2 through 4 will be developed as part of Task 1 and this contract will be amended to increase the project budget to accommodate those work items.* Total payment under this Contract will not exceed two hundred and fifty thousand dollars (\$250,000) in calendar year 2012.

B. Project Budget. The Project budget for each task included in Exhibit A is as follows:

<u>Task</u>	<u>Estimated Cost</u>
Task 1 – Project Kickoff and Experimental Design Workshop	\$24,900
Task 2 – Modeling and Experimental Design	TBD
Task 3 – Monitoring and data Analysis	TBD
Task 4 – Reporting and Performance Evaluation	TBD
TOTAL Project Cost	\$TBD

The amounts for each task are estimates only, but are not to be exceeded unless authorized in writing by the **Program**. The Contract total amount is controlling. Payment shall be made directly to the **Consultant**. The **Consultant** shall maintain hourly records of time worked by its personnel to support any audits the **Program** may require. Billing reports shall be submitted no more often than monthly for activities and costs accrued since the last billing report. A brief project progress report summarizing project activities in the billing period must be submitted with each billing.

C. Billing Procedures. The **Consultant** shall send billing reports for services performed for the various tasks outlined in Exhibit A to the **ED Office** (address included below). The Program's Executive Director, upon receiving the billing report, will approve the bill and submit the bill for payment. The submittal for payment will then be reviewed by the Signatory Parties of the Program who will advise the **Foundation** of approval. The **Foundation** will make payment of these funds directly to the **Consultant** within 30 days of notice of approval by the Signatory Parties. Payments of bills are due within 60 days after the billing date of the Consultant.

Billing Point of Contact (Program):

Dr. Jerry F. Kenny, Executive Director
Platte River Recovery Implementation Program
Headwaters Corporation
4111 4th Avenue, Suite 6
Kearney, Nebraska 68845
Phone: (308) 237-5728
Fax: (308) 237-4651
Email: kennyj@headwaterscorp.com

D. Money Withheld. When the **Program** has reasonable grounds for believing that the **Consultant** will be unable to perform this Contract fully and satisfactorily within the time fixed for performance, then the **Program** may withhold payment of such portion of any amount otherwise due and payable to the **Consultant** reasonably deemed appropriate to protect the **Program** against such loss. These amounts may be withheld until the cause for the withholding is cured to the **Program's** satisfaction or this Contract is terminated pursuant to Section 8U. Any amount so withheld may be retained by the **Program** for such period as it may deem advisable to protect the **Program** against any loss. This provision is intended solely for the benefit of the **Program** and no person shall have any right against the **Program** by reason of the **Program's** failure or refusal to withhold monies. No interest shall be payable by the **Program** on any amounts withheld under this provision. This provision is not intended to limit or in any way prejudice any other right of the **Program**.

E. Withholding of Payment. If a work element has not been received by the **Program** by the dates established in Exhibit A, the **Program** may withhold all payments beginning with the month following that date until such deficiency has been corrected.

F. Final Completion and Payment. The final payment shall be made upon acceptance of the final report and receipt of the final billing.

5. Responsibilities of Consultant.

A. Scope of Services. The **Consultant** shall perform the specific services required under this Contract in a satisfactory and proper manner as outlined in Exhibit A. If there is any conflict between this Contract and the provisions of the specific requirements of Exhibit A, the specific requirements shall prevail.

B. Personnel. All of the services required hereunder will be performed by the **Consultant** or under its supervision, and all personnel engaged in the work shall be fully qualified and shall be authorized, licensed, or permitted under state law to perform such services, if state law requires such authorization, license, or permit.

C. Subcontracts.

(i) Approval Required for Subcontracts. Any subcontractors and outside associates or consultants required by the **Consultant** in connection with the services, work performed or rendered under this Contract will be limited to such individuals or firms as were specifically identified in the proposal and agreed to during negotiations or are specifically authorized by the **Program** during the performance of this Contract. The **Consultant** shall submit a list of the proposed subcontractors, associates or consultants; the scope and extent of each subcontract; and the dollar amount of each subcontract prior to Contract execution to the **Program** for approval. During the performance of the Contract, substitutions in or additions to such subcontracts, associates, or consultants will be subject to the prior approval of the **Program**. The **Program** approval of subcontractors will not relieve the **Consultant** from any responsibilities outlined in this Contract. The **Consultant** shall be responsible for the actions of the subcontractors, associates, and subconsultants.

(ii) Billings for Subcontractors. Billings for subcontractor, associates or subconsultants services will not include any mark up. The subcontract costs will be billed to the **Program** at the actual costs as billed to the **Consultant**. Subcontract costs will be documented by attaching subcontractor billings to the **Consultant's** billing submittals.

(iii) Copies of Subcontracts. The **Consultant** shall provide to the **Program** copies of each subcontractor contract immediately following execution with the subcontractor. All subcontracts between the **Consultant** and a subcontractor shall refer to and conform to the terms of this Contract. However, nothing in this Contract shall be construed as making the **Program** a party of any subcontract entered between the **Consultant** and a subcontractor.

D. Requests from the Program. The **Consultant** shall be responsible and responsive to the **Program** and the **ED Office** in their requests and requirements related to the scope of this Contract.

E. Presentation of Data. The **Consultant** shall select and analyze all data in a systematic and meaningful manner so as to contribute directly in meeting the objectives of the Project, and shall present this information clearly and concisely, in a professional manner.

F. Draft of Final Report. The **Consultant** shall present the **Program** a draft of the final report covering all work elements of the Project including maps, charts, conclusions and recommendations prior to the publication of any final report and no later than the date specified in Exhibit A. Draft Reports will be provided to the Program in Microsoft Word format for distribution and review. The **Program** will respond with written comments to the **Consultant** as soon as possible. The **Consultant** will address the comments of the **Program** in the final report. Final Reports will be provided to the Program in Microsoft Word and PDF format.

G. Project Completion Report. A final project completion report in the form described in Exhibit A shall be submitted to the **Program** by the date specified in Exhibit A.

H. Reports, Maps, Plans, Models and Documents. One (1) copy of maps, plans, worksheets, logs, field notes and other reference or source documents prepared for or gathered under this Contract, and one (1) copy of each unpublished report prepared under this Contract shall be submitted to the **Program**. If the **Consultant** writes or uses a computer program or spreadsheet as a part of this project, the **Consultant** shall submit to the **Program** for approval all proposed program names and data formats prior to beginning work on that task. All data shall be submitted to **Program** in written and digital forms with the final report. Digital media shall be labeled by the **Consultant** to provide sufficient detail to access the information on the media. All user manuals shall be submitted by the **Consultant** to **Program** providing complete documentation of computer programs developed under this Contract. The user manual shall also specify the source code language and the type of computer equipment necessary to operate the program(s). Any programs or computer software generated as a part of this Contract shall be the sole property of the **Program**.

I. Inspection and Acceptance. All deliverables furnished by the Consultant shall be subject to rigorous review by the Program's **ED Office** prior to acceptance.

6. Responsibilities of the Program.

A. Designated Representative. The Executive Director of the **Program** shall act as the **Program's** administrative representative with respect to the **Consultant's** service to be performed under this Contract and shall have complete authority to transmit instructions, receive information, and interpret and define the **Program's** policies and decisions with respect to services covered by this Contract.

B. Data to be Furnished to the Consultant. All information, data, reports, and maps as are available to the **Program** and necessary for the carrying out of the Scope of Services set forth herein shall be furnished to the **Consultant** without charge and the **ED Office** shall cooperate with the Consultant in the carrying out of the project.

C. Review Reports. The **ED Office** shall examine all studies, reports, sketches, opinions of the construction costs, and other documents presented by the **Consultant** to the **Program** and shall promptly render in writing the **Program's** decisions pertaining thereto within the time periods specified in Exhibit A.

D. Provide Criteria. The **ED Office** shall provide all criteria and full information regarding its requirements for the project.

7. Special Provisions.

A. No Finder's Fees. No finder's fee, employment agency fee, or other such fee related to the procurement of this Contract shall be paid by either party.

B. Publication. It is understood that the results of this work may be available to the **Consultant** for publication and use in connection with related work. Use of this work for publication and related work by the **Consultant** must be conducted with prior authorization from the **Program's** Technical Point of Contact.

C. Publicity. Any publicity or media contact associated with the **Consultant's** services and the result of those services provided under this Contract shall be the sole responsibility of the **Program**. Media requests of the **Consultant** should be directed to the Director of Outreach and Operations in the **ED Office**.

D. Monitor Activities. The **Program** shall have the right to monitor all Contract related activities of the **Consultant** and all subcontractors. This shall include, but not be limited to, the right to make site inspections at any time, to bring experts and consultants on site to examine or evaluate completed work or work in progress, and to observe all **Consultant** personnel in every phase of performance of Contract related work.

D. Kickbacks. The **Consultant** certifies and warrants that no gratuities, kickbacks or contingency fees were paid in connection with this Contract, nor were any fees, commissions, gifts, or other considerations made contingent upon the award of this Contract. If the **Consultant** breaches or violates this warranty, the **Program** may, at its discretion, terminate this Contract without liability to the **Program**, or deduct from the Contract price or consideration, or otherwise recover, the full amount of any commission, percentage, brokerage, or contingency fee.

E. Office Space, Equipment, and Supplies. The **Consultant** will supply its own office space, equipment, and supplies.

8. General Provisions.

A. Amendments. Any changes, modifications, revisions or amendments to this Contract which are mutually agreed upon by the parties to this Contract shall be incorporated by written instrument, executed and signed by all parties to this Contract.

B. Applicable Law/Venue. The construction, interpretation and enforcement of this Contract shall be governed by the laws of the State of Nebraska. The Courts of the State of Nebraska shall have jurisdiction over this Contract and the parties.

C. Assignment/Contract Not Used as Collateral. Neither party shall assign or otherwise transfer any of the rights or delegate any of the duties set forth in this Contract without the prior written consent of the other party. The **Consultant** shall not use this Contract, or any portion thereof, for collateral for any financial obligation, without the prior written permission of the **Program**.

D. Audit/Access to Records. The **Program** and any of its representatives shall have access to any books, documents, papers, and records of the Consultant which are pertinent to this Contract. The **Consultant** shall, immediately upon receiving written instruction from the **Program**, provide to any independent auditor, accountant, or accounting firm, all books, documents, papers and records of the **Consultant** which are pertinent to this Contract. The **Consultant** shall cooperate fully with any such independent auditor, accountant, or accounting firm, during the entire course of any audit authorized by the **Program**.

E. Availability of Funds. Each payment obligation of the **Program** is conditioned upon the availability of funds and continuation of the Platte River Recovery Implementation Program. If funds are not allocated and available for the continuance of the services performed by the **Consultant**, the contract may be terminated by the **Program** at the end of the period for which the funds are available. The **Program** shall notify the **Consultant** at the earliest possible time of the services which will or may be affected by a shortage of funds. No penalty shall accrue to the **Program** in the event this provision is exercised, and the **Program** shall not be obligated or liable for any future payments due or for any damages as a result of termination under this section. This provision shall not be construed to permit the **Program** to terminate this Contract to acquire similar services from another party.

F. Award of Related Contracts. The **Program** may undertake or award supplemental or successor contracts for work related to this Contract. The **Consultant** shall cooperate fully with other contractors and the **Program** in all such cases.

G. Certificate of Good Standing. **Consultant** shall provide Certificate of Good Standing verifying compliance with the unemployment insurance and workers' compensation programs prior to performing work under this Contract.

H. Compliance with Law. The **Consultant** shall keep informed of and comply with all applicable federal, state and local laws and regulations in the performance of this Contract.

I. Confidentiality of Information. All documents, data compilations, reports, computer programs, photographs, and any other work provided to or produced by the **Consultant** in the performance of this Contract shall be kept confidential by the **Consultant** unless written permission is granted by the **Program** for its release.

J. Conflicts of Interest

(i) **Consultant** shall not engage in providing consultation or representation of clients, agencies or firms which may constitute a conflict of interest which results in a disadvantage to the **Program** or a disclosure which would adversely affect the interests of the **Program**. **Consultant** shall notify the **Program** of any potential or actual conflicts of interest arising during the course of the **Consultant's** performance under this Contract. This Contract may be terminated in the event a conflict of interest arises. Termination of the Contract will be subject to a mutual settlement of accounts. In the event the contract is terminated under this provision, the **Consultant** shall take steps to insure that the file, evidence, evaluation and data are provided to the **Program** or its designee. This does not prohibit or affect the **Consultant's** ability to engage in consultations, evaluations or representation under agreement with other agencies, firms, facilities, or attorneys so long as no conflict exists.

(ii) A conflict of interest warranting termination of the Contract includes, but is not necessarily limited to, representing a client in a adversarial proceeding against the Platte River Recovery Implementation Program, its signatories, boards, commissions or initiating suits in equity including injunctions, declaratory judgments, writs of prohibition or *quo warranto*.

K. Entirety of Contract. This Contract, consisting of twelve (12) pages, Exhibit A, consisting of three (3) pages, Exhibit B, consisting of one (1) page, and Exhibit C, consisting of one (1) page, represents the entire and integrated Contract between the parties and supersedes all prior negotiations, representations, and agreements, whether written or oral.

L. Force Majeure. Neither party shall be liable for failure to perform under this Contract if such failure to perform arises out of causes beyond the control and without the fault or negligence of the nonperforming party. Such causes may include, but are not limited to, acts of God or the public enemy, fires, floods, epidemics, quarantine restrictions, freight embargoes, and unusually severe weather. This provision shall become effective only if the party failing to perform immediately notifies the other party of the extent and nature of the problem, limits delay in performance to that required by the event, and takes all reasonable steps to minimize delays. This provision shall not be effective unless the failure to perform is beyond the control and without the fault or negligence of the nonperforming party.

M. Indemnification. The **Consultant** shall indemnify and hold harmless the **Foundation**, the **Program**, the **ED Office**, and their officers, agents, employees, successors and assignees from any and all claims, lawsuits, losses and liability arising out of **Consultant's** failure to perform any of **Consultant's** duties and obligations hereunder or in connection with the negligent performance of **Consultant's** duties or obligations, including but not limited to any claims, lawsuits, losses or liability arising out of **Consultant's** malpractice.

N. Independent Contractor. The **Consultant** shall function as an independent contractor for the purposes of this Contract, and shall not be considered an employee of the **Program**,

Foundation or ED Office for any purpose. The Consultant shall assume sole responsibility for any debts or liabilities that may be incurred by the Consultant in fulfilling the terms of this Contract, and shall be solely responsible for the payment of all federal, state and local taxes which may accrue because of this Contract. Nothing in this Contract shall be interpreted as authorizing the Consultant or its agents and/or employees to act as an agent or representative for or on behalf of the Foundation or the Program, or to incur any obligation of any kind on the behalf of the Foundation or the Program. The Consultant agrees that no health/hospitalization benefits, workers' compensation and/or similar benefits available to Foundation or Program employees will inure to the benefit of the Consultant or the Consultant's agents and/or employees as a result of this Contract.

O. Notices. All notices arising out of, or from, the provisions of this contract shall be in writing and given to the parties at the address provided under this Contract, either by regular mail, facsimile, e-mail, or delivery in person.

P. Notice and Approval of Proposed Sale or Transfer of the Consultant. The Consultant shall provide the Program with the earliest possible advance notice of any proposed sale or transfer or any proposed merger or consolidation of the assets of the Consultant. Such notice shall be provided in accordance with the notice provision of this Contract.

Q. Ownership of Documents/Work Product/Materials. All documents, reports, records, field notes, data, samples, specimens, and materials of any kind resulting from performance of this Contract are at all times the property of the Program.

R. Patent or Copyright Protection. The Consultant recognizes that certain proprietary matters or techniques may be subject to patent, trademark, copyright, license or other similar restrictions, and warrants that no work performed by the Consultant or its subcontractors will violate any such restriction.

S. Proof of Insurance. The Consultant shall not commence work under this Contract until the Consultant has obtained the following insurance coverages and provided the corresponding certificates of insurance:

(i) Commercial General Liability Insurance. Consultant shall provide coverage during the entire term of the Contract against claims arising out of bodily injury, death, damage to or destruction of the property of others, including loss of use thereof, and including products and completed operations in an amount not less than Five Hundred Thousand Dollars (\$500,000.00) per claimant and One Million Dollars (\$1,000,000.00) per occurrence.

(ii) Business Automobile Liability Insurance. Consultant shall maintain, during the entire term of the Contract, automobile liability insurance in an amount not less than Five Hundred Thousand Dollars (\$500,000.00) per occurrence. Coverage will include bodily injury and property damage covering all vehicles, including hired vehicles, owned and non-owned vehicles

(iii) Workers' Compensation or Employers' Liability Insurance. The Consultant shall provide proof of workers' compensation coverage. Consultant's insurance shall include "Stop Gap" coverage in an amount not less than Five Hundred Thousand Dollars (\$500,000.00) per employee for each accident and disease.

(iv) Professional Liability or Errors and Omissions Liability Insurance. The Consultant shall provide proof of professional liability insurance or errors and omissions liability insurance to protect the Foundation, Program and ED Office from any and all claims arising from the Consultant's alleged or real professional errors, omissions or mistakes in the performance of professional duties in an amount not less than One Million Dollars (\$1,000,000.00) per claim.

T. Taxes. The Consultant shall pay all taxes and other such amounts required by federal, state and local law, including but not limited to federal and social security taxes, workers' compensation, unemployment insurance and sales taxes.

U. Termination of Contract. This Contract may be terminated, without cause, by the Program upon fifteen (15) days written notice. This Contract may be terminated immediately for cause if the Consultant fails to perform in accordance with the terms of this Contract.

V. Third Party Beneficiary Rights. The parties do not intend to create in any other individual or entity the status of third party beneficiary, and this Contract shall not be construed so as to create such status. The rights, duties and obligations contained in this Contract shall operate only between the parties to this Contract, and shall inure solely to the benefit of the parties to this Contract. The provisions of this Contract are intended only to assist the parties in determining and performing their obligations under this Contract.

W. Time is of the Essence. Time is of the essence in all provisions of the Contract.

X. Titles Not Controlling. Titles of paragraphs are for reference only, and shall not be used to construe the language in this Contract.

Y. Waiver. The waiver of any breach of any term or condition in this Contract shall not be deemed a waiver of any prior or subsequent breach.

9. Contacts.

Administrative Point of Contact (Foundation):

Diane M. Wilson
Chief Financial and Administrative Officer
Nebraska Community Foundation
PO Box 83107
Lincoln, Nebraska 68501-3107
Phone: (402) 323-7330
Fax: (402) 323-7349
Email: dwilson@nebcommfound.org

Technical Point of Contact (Program):

Steve Smith, P.E.
Platte River Recovery Implementation Prog.
Headwaters Corporation
2727 Bryant Street, Suite 210
Denver, CO 80211
Phone: (720) 524-6115
Fax: (720) 524-6347
Email: smiths@headwaterscorp.com

Administrative Point of Contact (Consultant):

Dale Schlautman, P.E.
EA Engineering, Science, and Technology, Inc.
221 Sun Valley Boulevard, Suite D
Lincoln, NE 68528
Phone: (402) 476-3766
Fax: (402) 476-7825
Email: dschlautman@eaeast.com

Admin. Point of Contact (Program):

Dr. Jerry F. Kenny, Executive Director
Platte River Recovery Implementation Prog.
Headwaters Corporation
4111 4th Avenue, Suite 6
Kearney, Nebraska 68845
Phone: (308) 237-5728
Fax: (308) 237-4651
Email: kennyj@headwaterscorp.com

Media Point of Contact (Program):

Dr. Bridget Barron, Director of Outreach
Platte River Recovery Implementation Prog.
Headwaters Corporation
4111 4th Avenue, Suite 6
Kearney, Nebraska 68845
Phone: (308) 237-5728
Fax: (308) 237-4651
Email: barronb@headwaterscorp.com

Technical Point of Contact (Consultant):

Dan Bigbee
EA Engineering, Science, and Technology
221 Sun Valley Boulevard, Suite D
Lincoln, NE 68528
Phone: (402) 476-3766
Fax: (402) 476-7825
Email: dschlautman@eaeast.com

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10. Signatures. By signing this Contract, the parties certify that they have read and understood it, that they agree to be bound by the terms of the Contract, that they have the authority to sign it.

NEBRASKA COMMUNITY FOUNDATION

Diane M. Wilson
Chief Financial and Administrative Officer

Date

EA Engineering, Science, and Technology, Inc.

Dale Schlautman

Date



EXHIBIT “A” SCOPE OF SERVICES

A. PROJECT DESCRIPTION

1. Location: The study area is the Program’s Shoemaker Island habitat complex located in the Wood River to Alda bridge segment. Monitoring will be confined to the channel and near-channel areas in this reach.
2. Purpose: The purpose of this project is to procure technical services in support of the development and implementation of an FSM “Proof of Concept” management experiment at the Program’s Shoemaker Island Complex. The scope of services includes 2-dimensional hydraulic and sediment transport model development and calibration, statistical analysis for experimental design, annual implementation and effectiveness monitoring, and synthesis and analysis of monitoring data in support of performance evaluation.
3. History: The Platte River Recovery Implementation Program (Program) was initiated on January 1, 2007 between Nebraska, Wyoming, Colorado, and the Department of Interior to address endangered species issues in the central and lower Platte River basin. The Program’s Adaptive Management Plan outlines a process for reducing uncertainties associated with the effectiveness of the proposed management strategies to provide benefits to the Program’s target bird species. One of those management strategies is the Flow-Sediment-Mechanical strategy. This project is intended to address key uncertainties about the ability of the FSM management strategy to create and/or maintain target species habitat.

B. PROJECT REQUIREMENTS

1. Monthly Progress Reports and Billing Statements

The **Consultant** shall submit a brief monthly progress report outlining the study status, progress, and results to date, regardless of whether or not a billing statement is submitted, on or before the last working day of the month. The progress report will also show the percentage of the job completed by task and the percentage of budget spent. The progress report will also include a billing projection for the upcoming month for the purpose of Program reimbursement request planning.

Each billing statement must include a task-by-task report justifying the cost items contained in the billing statement. The monthly progress report may be used as the justification for the billing statement as long as all cost items covered in the billing statement are addressed in the

progress report.

2. Computer Models, Statement of Assumptions, Project Work File

a. If the **Consultant** writes or uses a computer program or spreadsheet as a part of this project, the **Consultant** shall submit to the **Program** for approval all proposed program names and data formats prior to beginning work on that task. All data shall be submitted to the **Program** in written and digital forms with the final report. Digital media shall be labeled by the **Consultant** to provide sufficient detail to access the information on the media. User manuals shall be submitted by the **Consultant** to the **Program** providing complete documentation of computer programs developed under this project. The user manuals shall also contain the source code language and the type of computer equipment necessary to operate the program(s). The computer programs and spreadsheets (written and digital forms) are due on the same date as the final report, which contains the information generated by the programs.

b. To facilitate the **Program**'s accurate evaluation of the **Consultant's** work product, computations, conclusions and recommendations, the **Consultant** shall:

- * Include in the final report a section describing the assumptions and methodology used by the **Consultant** in generating the data and conclusions contained in that chapter.

- * Maintain a project work file containing the materials used in project analysis. This file will be available for review by the **Program** and should be organized in such a way as to allow replication of the steps and procedures used by the **Consultant** to reach the conclusions described in the study.

- * Prepare a project notebook containing a description of the assumptions and methodologies used in the project analysis. The notebook shall be organized in such a way as to allow replication of the steps, calculations, and procedures used by the **Consultant** to reach conclusions, described in the draft final report. The project notebook shall be submitted with the draft final report.

3. Final Report

The **Consultant** shall use the Contract Scope of Services as the outline for draft and final reports so that **Consultant** compliance with Contract provisions can be verified. If the final report contains information of an engineering nature, the cover of the final report, all plates, and the executive summary must be stamped and signed by a Professional Engineer licensed



in the State of Nebraska or other state if appropriate to location of project site. If the final report contains information of a geologic nature, the cover of the final report, all plates, and the executive summary must be stamped and signed by a Professional Geologist licensed in the State of Nebraska. If the final report contains information of both an engineering and geologic nature, the cover of the final report, all plates, and the executive summary must be stamped and signed by both a Professional Engineer and a Professional Geologist licensed in the State of Nebraska. At a minimum, the reproducible original to be submitted as part of the deliverables required herein must utilize an original seal(s) and original signature(s).

4. Final Report - Digital Format

In addition to the paper submittal described in Section C.4 above, the **Consultant** shall also provide the final documents and related materials in a digital format. This digital report shall, to the extent feasible, be assembled into one file rather than separate files for text, tables, graphics, etc. This digital report shall be contained on a CD(s) or DVD(s), and shall be in both Word and Adobe Acrobat format. Any plates, figures, etc. not suitable for Word shall be in AutoCAD, ArcGIS, Adobe Acrobat, or compatible format. Other formats may be used if approved in advance by the **ED Office**. The final documents will also be provided fully assembled into one file, in a complete “internet ready” digital format to facilitate their distribution via the Office website.

5. Project Access

The **ED Office** shall be responsible for obtaining access as required for project tasks.

6. Stand-By Time

The **Program** will not reimburse the **Consultant** for stand-by time charges for the Consultant's supervisory personnel.

C. **SCOPE OF SERVICES**

See Attachment A.



PRRIP – ED OFFICE DRAFT

8/28/2012

**ATTACHMENT “A”
SCOPE OF SERVICES**

Exhibit A SCOPE OF WORK

Platte River Recovery Implementation Program Shoemaker Island Flow-Sediment-Mechanical "Proof of Concept" Experiment Implementation Design, Technical Support, Monitoring, and Data Analysis 29 August 2012

PROJECT DESCRIPTION

In 2011, the Program began implementation of a FSM "Proof of Concept" management experiment at the Elm Creek Complex near Elm Creek, Nebraska. That reach was chosen as the first "Proof of Concept" site because flows are consolidated by the Kearney Canal Diversion and the presence of the diversion in the middle of the reach produces a range of hydraulic and sediment transport conditions. The Program has completed the first year of activities associated with that project, including development of monitoring protocols, 2-dimensional modeling, and pre/post runoff monitoring. Analysis of the first year of monitoring data has also been completed and the Program is working with the contractor to finalize the first year monitoring report and implementation design document for that project. While the first year of the management experiment at the Elm Creek Complex provided very useful data, there has been some concern that the presence of the diversion, as well as the general sediment deficit in the reach, may limit the Program's ability to apply learning at this location to other reaches. The Shoemaker Island FSM "Proof of Concept" project will provide another replicate of this management experiment in a reach that is in sediment balance and is not impacted by water development or transportation infrastructure.

The Shoemaker Island Complex includes an approximately 2.6-mile long reach of Platte River channel extending from approximately 1.5 miles downstream of the Highway 11 bridge to approximately one mile upstream of Alda Road. The Program owns the north bank and associated accretion lands in this reach. The south bank is in Private ownership and the Program has obtained permission to implement research and monitoring on their accretion lands. The complex is located in the downstream portion of the Associated Habitat reach where the channel is in sediment balance. Because of this, the Shoemaker Island Complex has been chosen for implementation of second replicate of a "Proof of Concept" management experiment to evaluate the performance of the FSM management actions in creating and/or maintaining channel characteristics that are consistent with the Program's management objectives.

EA Engineering, Science, and Technology, Inc. (EA) has been selected as the Consultant for this project. The Consultant's services will be provided on a time and expense basis not to exceed the project budget provided in Exhibit B based on the rate schedule provided in Exhibit C.

SCOPE OF WORK

The initial services included in this Scope of Work are organized based on a portion of Task 1 in the RFP. Additional services will be added for future tasks after the completion of Task 1. The Consultant will provide the following services under this Scope of Work.

Task 1 – Kickoff Meeting and Experiment Design Workshop

- 1) EA will conduct a kickoff meeting with the ED Office via conference call. The purpose of the meeting will be to provide the schedule for field activities, coordinate changes in access and permission, update landowner contact information, refine project schedule, establish points of contact, and discuss any other issues that could impact the project. The kickoff meeting will be attended by Dan Bigbee and Dale Schlautman (EA), Smokey Pittman, (GMA), Trent McDonald and Shay Howlin (WEST), and Bonnie Pryor (NHE).
- 2) EA will review the HEC model prior to the Experiment Design Workshop. The HEC model will be used to run boundary conditions and for calibration of the 2D model. This will help develop costs for the initial modeling effort and will assist in determining additional data collection needs.
- 3) EA will perform a brief review of the draft report of the Elm Creek project prior to the Experiment Design Workshop.
- 4) An Experiment Design Workshop will be conducted with the ED Office. The purpose of the work session will be to refine the objectives of the experiment, provide background on lessons-learned related to the Elm Creek Experiment, identify key areas for future research, and discuss ideas for improving upon past work. The workshop will be held in Kearney, NE and will be attended by Dan Bigbee and Dale Schlautman in person. Smokey Pittman, Trent McDonald, and Bonnie Pryor will also be attending in person. Additional key staff including Jeff Anderson, Cort Pryor, Graham Matthews and Shay Howlin will attend via conference call or GoToMeeting. It is anticipated that the Workshop will be four hours in length. EA will prepare and distribute minutes.
- 5) In conjunction with the workshop, the EA Team members will conduct a site visit in cooperation with the ED Office to observe first-hand general site conditions, examine site locations of key interest, and collect any preliminary data.

Future Tasks

One of the objectives of Task 1 is to refined the project approach and scope of work. Future tasks to be completed include experiment design, monitoring and data analysis and report and performance evaluation. The scope of work and project budget for future tasks will be submitted as contract amendments.

Schedule

The proposed schedule was prepared based on the notice to proceed (NTP) date as described below.

Task	Date
Notice To Proceed	10 September 2012
Kickoff Site Conference Call	19 September 19 2012
Experiment Design Workshop	3 October 2012

EXHIBIT “B”
BUDGET

TOTAL COST SUMMARY

**Platte River Recovery Implementation Program
Shoemaker FSM "Proof of Concept"
Cost Estimate**

	Labor Hours	Labor Cost	Subcontractor	ODC's	Travel	TOTAL	TOTAL (ROUNDED)
Task 1 - Kickoff Meeting and Experiment Design Workshop	41	\$5,625.00	\$18,700.00	\$168.20	\$403.69	\$24,896.89	\$24,900.00
TOTALS	41	\$5,625.00	\$18,700.00	\$168.20	\$403.69	\$24,896.89	\$24,900.00

EXHIBIT “C”
HOURLY RATE AND REIMBURSABLE EXPENSES
PRICE SCHEDULE 2012

Exhibit C

Platte River Recovery Implementation Program Shoemaker FSM "Proof of Concept" Cost Estimate

TABLE B - SUMMARY OF ESTIMATED COSTS

(1) Direct Labor	Class Code	Hours	Rate	Cost
Principal-in-Charge		0	\$180.00	\$0.00
Senior Technical Review		0	\$165.00	\$0.00
Project Manager		25	\$129.00	\$3,225.00
Senior Engineer		16	\$150.00	\$2,400.00
Mid-level Engineer		0	\$105.00	\$0.00
Junior Engineer		0	\$81.00	\$0.00
Construction Manager		0	\$75.00	\$0.00
Engineering/Field Technician		0	\$45.00	\$0.00
Senior Geologist		0	\$150.00	\$0.00
Mid-level Geologist		0	\$93.00	\$0.00
Junior Geologist		0	\$66.00	\$0.00
Senior Scientist		0	\$150.00	\$0.00
Mid-level Scientist		0	\$93.00	\$0.00
Junior Scientist		0	\$66.00	\$0.00
CADD/GIS		0	\$81.00	\$0.00
Drafter		0	\$57.00	\$0.00
Administrative Assistant		0	\$48.00	\$0.00
Clerical Support		0	\$48.00	\$0.00
Subtotal Direct Labor and Multipliers				\$5,625.00
(3) Subcontractors	Units	No. of Units	Rate	Cost
GMA	LS	4900	\$1.00	\$4,900.00
Northern Hydrology	LS	6200	\$1.00	\$6,200.00
WEST	LS	7600	\$1.00	\$7,600.00
Subcontractor 4	LS	0	\$1.00	\$0.00
Subtotal Subcontractors		18700		\$18,700.00
G & A @ 0.00%				\$0.00
Subtotal Subcontractors and G & A				\$18,700.00
(3) Usage and Other Costs	Units	No. of Units	Rate	Cost
Bond/Vellum Plots/Copies - B&W	sq ft	0	\$0.32	\$0.00
Bond/Vellum Plots/Copies - Color	sq ft	0	\$2.54	\$0.00
Photo Quality Plots/Copies - Color	sq ft	0	\$3.81	\$0.00
Report Preparation Materials	inch	1	\$24.92	\$12.46
Level, Tripod, Rod	day	0	\$32.53	\$0.00
Magellan/Garmin Handheld GPS	day	0	\$31.80	\$0.00
Trimble GPS GeoXT	day	0	\$89.93	\$0.00
RTK GPS	day	0	\$350.00	\$0.00
Vehicle Usage (1/2 Ton Pickup)	day	1	\$70.74	\$70.74
Vehicle Usage (1/2 Ton Pickup)	week	0	\$282.96	\$0.00
Vehicle Usage (Pickup)	mile	250	\$0.34	\$85.00
Mini-Rae Survey Mode PID	day	0	\$95.40	\$0.00
Turbidity Meter	day	0	\$44.52	\$0.00
Water Level Meter-Sonlinst 101/QED	day	0	\$31.80	\$0.00
D.O. Meter (non-recording) YSI 85	day	0	\$30.35	\$0.00
YSI-556	day	0	\$89.93	\$0.00
Peristaltic Pump	day	0	\$44.52	\$0.00
Walkie Talkie	day	0	\$12.72	\$0.00
Jon Boat /w Mmotor	day	0	\$105.93	\$0.00
Row Boat (12')	day	0	\$63.61	\$0.00
Shipping	ea	0	\$1.00	\$0.00
Supplies	ea	0	\$1.00	\$0.00
[Blank]	day	0	\$0.00	\$0.00
Subtotal Usage and Other Costs		252		\$168.20
Subtotal ODC's				\$168.20
(4) Travel	Units	No. of Units	Rate	Cost
Airfare	R/T	0	\$500.00	\$0.00
Per Diem	day	3	\$123.00	\$369.00
Rental Car	day	0	\$50.00	\$0.00
Mileage (POV)	mile	0	\$0.51	\$0.00
Subtotal Travel		3		\$369.00
G & A @ 9.40%				\$34.69
Subtotal Travel and G & A				\$403.69
TOTAL ESTIMATED PROJECT COSTS				\$24,896.89