

DOUGLAS COUNTY, NV

2014-851854

This is a no fee document

NO FEE

10/29/2014 03:16 PM

DC/COMMUNITY DEVELOPMENT

Pgs=17

Assessor's Parcel Number:  N/A

Date:  OCTOBER 29, 2014

Recording Requested By:

Name:  JEANE COX, COMMUNITY DEVELOPMENT

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Real Property Transfer Tax: \$  N/A



00002293201408518540170174

KAREN ELLISON, RECORDER

**CONTRACT #2014.227**

(Title of Document)

This page added to provide additional information required by NRS 111.312 Sections 1-2. (Additional recording fee applies)  
*This cover page must be typed or legibly hand printed.*

**CONTRACT FOR SERVICES BY AN INDEPENDENT CONTRACTOR**

A CONTRACT BETWEEN

**DOUGLAS COUNTY  
PO Box 218  
MINDEN, NV 89423**

AND

**BALANCE HYDROLOGICS, INC  
PO Box 1077  
TRUCKEE, CA 96160-1077**

BY   
TED THRAN  
CLERK  
DEPUTY

2014 OCT 29 PM 12: 23

10. 2014. 227

FILED

This Contract for Services by an Independent Contractor (the "Contract") is entered into by and between Douglas County, a political subdivision of the State of Nevada, (the "County"), and Balance Hydrologics, Inc., a foreign corporation licensed to do business in the State of Nevada ("Contractor"). The County and Contractor are at times collectively referred to hereinafter as the "Parties" or individually as the "Party."

**WHEREAS**, Douglas County, a political subdivision of the State of Nevada, from time to time requires the services of independent contractors; and

**WHEREAS**, it is deemed that the professional services of Contractor herein specified are both necessary and desirable and in the best interests of Douglas County; and

**WHEREAS**, Contractor represents that Contractor is duly qualified, equipped, staffed, ready, willing and able to perform and render the services hereinafter described.

**NOW, THEREFORE**, in consideration of the mutual promises and covenants herein made, the County and Contractor mutually agree as follows:

**1. TERM AND EFFECTIVE DATE OF CONTRACT.** The Contract will become effective on the last date it is signed by either Party. Time is of essence for performance of the professional services described herein and all tasks must be completed prior to June 30, 2015.

**2. INDEPENDENT CONTRACTOR STATUS.** The Parties agree Contractor will have the status of an independent contractor and that the Contract, by explicit agreement of the Parties, incorporates and applies the provisions of NRS 333.700, as necessarily adapted to the Parties, including the express understanding that Contractor is not an employee of the County and that:

There shall be no:

- (1) Withholding of income taxes by the County;
- (2) Industrial insurance coverage provided by the County;
- (3) Participation in group insurance plans which may be available to employees of the County;
- (4) Participation or contributions by either the Contractor or the County to the public employee's retirement system;
- (5) Accumulation of vacation leave or sick leave; and
- (6) Unemployment compensation coverage provided by the County if the requirements of NRS 612.085 for independent contractors are met.

### **3. INDUSTRIAL INSURANCE.**

Contractor further agrees that, prior to the commencement of any work and as a precondition to any obligation of the County to make any payment under the Contract, Contractor will provide the County with a work certificate and/or a certificate issued by a qualified insurer in accordance with NRS 616B.627. Contractor also agrees that, prior to commencing any work under the Contract, Contractor will complete and provide evidence to the County that Contractor has made the following written request to Contractor's insurer:

Balance Hydrologics Inc has entered into a contract with Douglas County to perform work from October 2014 to June 30, 2015 and requests that the authorized insurer provide to Douglas County: (1) A certificate of coverage issued pursuant to NRS 616B.627 and (2) Notice of any lapse in coverage or nonpayment of coverage that the Contractor is required to maintain.

The certificate and notice should be mailed to:

Douglas County  
Post Office Box 218  
Minden, Nevada 89423

Contractor agrees to maintain all required workers' compensation coverage throughout the entire term of the Contract. If Contractor does not maintain the required coverage throughout the entire term of the Contract, Contractor agrees that the County may, at any time the coverage is not maintained by Contractor, order the Contractor to stop work, suspend the Contract, or terminate the Contract at the sole discretion of the County. For each six-month period this Contract is in effect, Contractor agrees, prior to the expiration of the six-month period, to provide another written request to the insurer for the provision of a certificate and notice of lapse in, or nonpayment of, insurance coverage. If Contractor does not make the request or does not provide the certificate before the expiration of the six-month period, Contractor agrees that the County may order the Contractor to stop work, suspend the Contract, or terminate the Contract at the sole discretion of the County.

**4. SERVICES TO BE PERFORMED.** The Parties agree the professional services to be performed, include but are not limited to, evaluation and of channel and bank conditions and recommend bank stabilization measures along the East Fork of the Carson River at the Virginia

and Allerman Diversions which includes five specific tasks as more specifically set forth in Exhibit "A", attached and incorporated.

**5. PAYMENT FOR SERVICES.** Contractor agrees to provide the services set forth in Paragraph 4 at a cost not to exceed twenty-nine thousand nine hundred and forty six dollars as set forth in Exhibit "A", Tables 1-3(the "Contract Price"). In addition, the County except as specifically called out in Exhibit "A" does not agree to reimburse Contractor for travel expenses and per diem allowances. Unless Contractor has received a written exemption from the County, Contractor shall submit monthly requests for payment for services performed under this Contract. Requests for payment or reimbursable costs by Contractor may only be made for reimbursement of actual cash disbursed by Contractor. Requests for payment shall be submitted no later than fifteen (15) days after the end of a month and must include a detailed summary of the expenditures reported in a form that supports the approved budget. Specifically, Contractor agrees to provide with each request for payment a schedule of actual expenditures for the period, cumulative total expenditures for the entire contract, and a comparison of cumulative total expenditures to the approved budget.

**6. TERMINATION OF CONTRACT.** This Contract may be terminated without cause by the County prior to the date set forth in paragraph 1, provided termination shall not be effective until 30 days after a party has served written notice upon the other party. The Contractor may terminate the Contract if the County fails to correct any breach of the terms of the Contract within 30 days after receiving notice of such breach. All monies due and owing up to the point of termination shall be paid by the County, unless the contract is terminated pursuant to paragraph 21.

**7. NONAPPROPRIATION.** All payments required pursuant to the Contract are contingent upon the availability of County funds. In accordance with NRS 354.626 and any other applicable provision of law, the financial obligations between the Parties will not exceed those monies appropriated and approved by the County for the Contract for the then current fiscal year under the Local Government Budget Act. The Contract will terminate and the County's obligations will be extinguished if the County fails to appropriate the necessary funding.

Nothing in the Contract will be construed to provide Contractor with a right of payment from any entity other than the County. Any funds budgeted by the County pursuant to the terms of the Contract that are not paid to Contractor will automatically revert to the County's discretionary control upon the completion, termination, or cancellation of the Contract. The County will not have any obligation to re-award or to provide, in any manner, the unexpended funds to Contractor. Contractor will have no claim of any sort to the unexpended funds.

**8. CONSTRUCTION OF CONTRACT.** The Contract will be construed and interpreted according to the laws of the State of Nevada. There will be no presumption for or against the drafter in interpreting or enforcing the Contract. In the event a dispute arises between the Parties, the Parties promise and agree to first meet and confer to resolve any dispute. If such meeting does not resolve the dispute, then the Parties may agree to mediate any dispute arising from or relating to the Contract before an independent mediator. The fee, rate or charge of the mediator will be shared equally by the Parties, who will otherwise be responsible for their own attorney's fees and costs. If mediation is unsuccessful, litigation may only proceed before a department of the Ninth Judicial Court of the State of Nevada in and for the County of Douglas

that was not involved in the mediation process and attorney's fees and costs will be awarded to the prevailing party at the discretion of the court. The mediator and court will recognize any offers of judgment made by a Party pursuant to Nevada law.

**9. COMPLIANCE WITH APPLICABLE LAWS.** Contractor promises and agrees to fully and completely comply with all applicable local, state and federal laws, regulations, orders, or requirements of any sort in carrying out the obligations of the Contract, including, but not limited to, all federal, state, and local accounting procedures and requirements, all hazardous materials regulations, and all immigration and naturalization laws.

**10. ASSIGNMENT.** Contractor will neither assign, transfer nor delegate any rights, obligations or duties under the Contract without the prior written consent of the County.

**11. COUNTY INSPECTION.** The books, records, documents and accounting procedures and practices of Contractor related to the Contract will be subject to inspection, examination and audit by the County, including, but not limited to, any agency providing funding for the Contract, the County Manager, the District Attorney, and, if applicable, the Comptroller General of the United States, or any authorized representative of those entities.

**12. DISPOSITION OF CONTRACT MATERIALS.** Any books, reports, studies, photographs, negatives or other documents, data, drawings or other materials prepared by or supplied to Contractor in the performance of its obligations under the Contract (the "Materials") will be the exclusive property of the County and all such materials will be remitted and delivered, at Contractor's expense, to the County by Contractor upon the completion, termination or cancellation of the contract. Alternatively, if the County provides its written approval to Contractor, the Materials must be retained by Contractor for a minimum of six years after Contractor's receipt of the final payment from County and all other pending matters are closed. If, at any time during the retention period, the County, in writing, requests any or all of the Materials, then Contractor will promptly remit and deliver the materials, at Contractor's expense, to the County. Unless the County has requested the remittance and delivery by Contractor of the Materials, Contractor will not use, willingly allow or cause to have such Materials used for any purpose other than the performance of Contractor's obligations under the terms of the Contract without the prior written consent of the County.

**13. PUBLIC RECORDS LAW.** Contractor expressly understands and agrees that all documents submitted, filed, or deposited with the County by Contractor, unless designated as confidential by a specific statute of the State of Nevada, will be treated as public records pursuant to NRS chapter 239 and shall be available for inspection and copying by any person, as defined in NRS 0.039, or any governmental entity. Contractor expressly and indefinitely waives all of its rights to bring, including but not limited to, by way complaint, interpleader, intervention, or any third party practice, any claims, demands, suits, actions, judgments, or executions, for damages or any other relief, in any administrative or judicial forum, against the County or any of its officers or employees, in either their official or individual capacity, for violations of or infringement of the copyright laws of the United States or of any other nation.

**14. INDEMNIFICATION.** Contractor agrees to indemnify, defend, and save and hold the County, its agents and employees harmless from any and all claims, causes of action or liability arising from or related to Contractor's performance pursuant to the terms of the Contract by Contractor or Contractor's agents or employees. Neither the County nor Contractor shall be obligated to indemnify the other party in any manner whatsoever for the other party's own negligence.

**15. MODIFICATION OF CONTRACT.** The Contract and the attached exhibits constitute the entire agreement and understanding between the Parties and may only be modified by a written amendment signed by both of the Parties.

**16. AUTHORITY.** The Parties represent and warrant that they have the authority to enter into this agreement.

**17. STANDARD OF CARE.** Contractor will perform all services in a manner consistent with that level of care and skill ordinarily exercised by other members of Contractor's profession currently practicing under similar conditions. Contractor must maintain the highest ethical standards.

**18. WAIVER OF LIEN.** Contractor understands and agrees that the services it will render to the County are not intended for the improvement of real property or to otherwise grant any rights to Contractor pursuant to NRS chapter 108.

**19. THIRD PARTY BENEFICIARY.** Nothing contained in this Agreement is intended to convey any rights or to create a contractual relationship with any third party or to otherwise allow a third party to assert a cause of action against either Contractor or County.

**20. NOTICES.** All notices, requests, demands and other communications hereunder must be in writing and will be deemed delivered when sent via certified mail, return receipt requested or by commercial courier, provided the courier's regular business is delivery service and provided further that it guarantees delivery to the addressee by the end of the next business day following the courier's receipt from the sender, addressed as follows (or any other address that the Party to be notified may have designated to the sender by like notice):

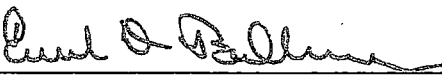
**To County:** Douglas County  
Attn: County Engineer  
1594 Esmeralda Ave.  
Post Office Box 218  
Minden, Nevada 89423  
Telephone: (775) 782-9063

**To Contractor:** Balance Hydrologics, Inc.  
Attn: David Shaw  
P.O. Box 1077  
Truckee, CA 96160  
Telephone (530) 550-9776

**21. CONFLICT OF INTEREST.** By signing the Contract, Contractor agrees that any information obtained from Douglas County, in whatever form, will not be divulged to other competing interests without the permission of the County Manager. In the event of a breach of this provision, Douglas County may immediately withdraw, without penalty or any payment, from the Contract. Contractor must notify Douglas County of any other contracts or projects Contractor is working on that may impact Douglas County.

**IN WITNESS WHEREOF**, the Parties hereto have caused the Contract to be signed and intend to be legally bound thereby.

**INDEPENDENT CONTRACTOR**  
Balance Hydrologics Inc.

By:   
Name: Edward D. Ballman (Date) 10/24/14  
Title: V/P; Principal Engineer

**Douglas County**

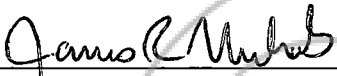
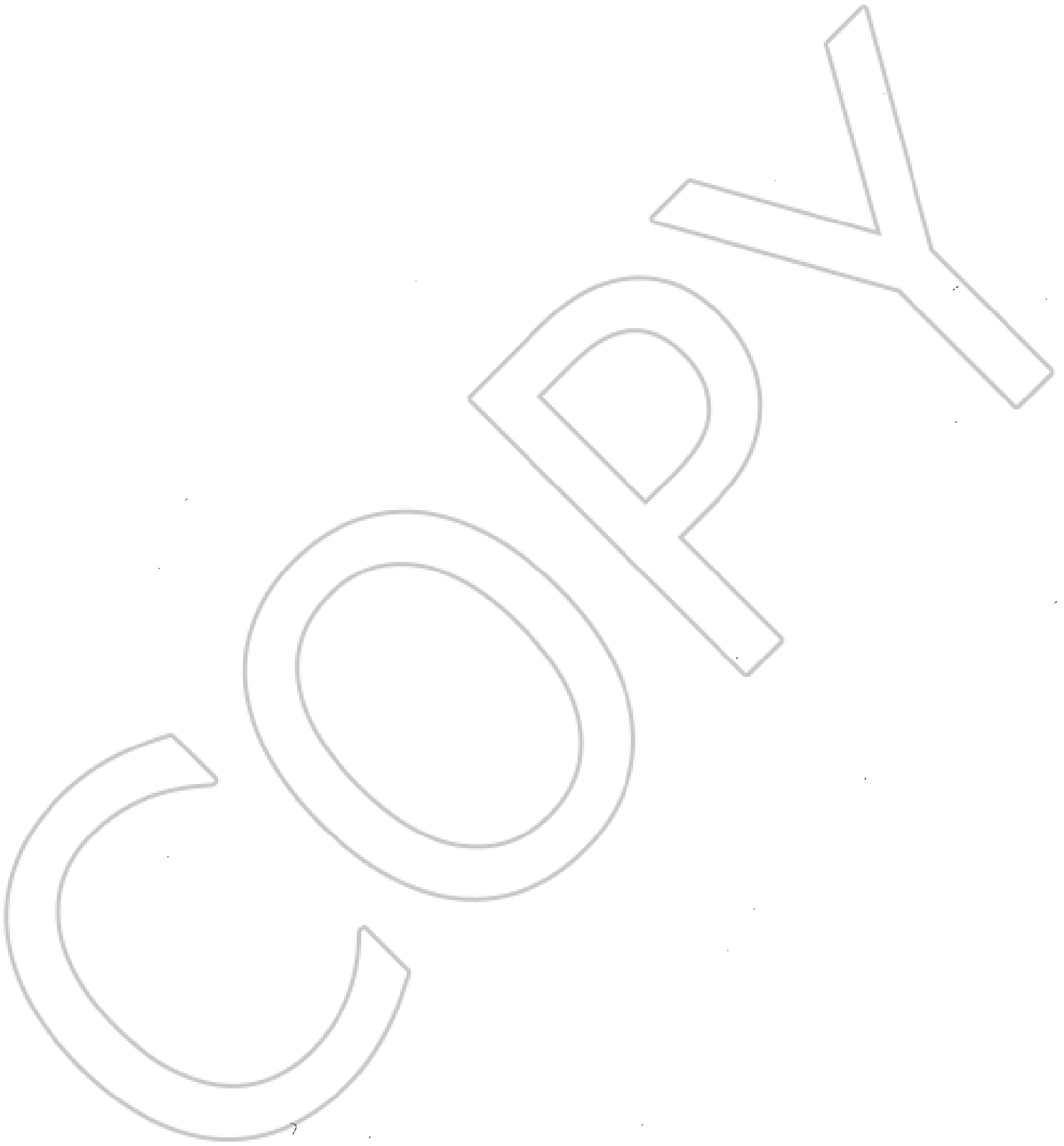
By:  10/27/14  
Jim Nichols, P.E. (Date)  
County Manger, Douglas County

EXHIBIT A







**Balance  
Hydrologics, Inc.®**

PO Box 1077 • Truckee • CA 96160  
Berkeley • Santa Cruz • Truckee  
balancehydro.com • email: office@balancehydro.com

October 6, 2014

Mr. Erik Nilssen  
Douglas County Community Development  
1594 Esmeralda Avenue  
P.O. Box 218  
Minden, NV 89423  
(775) 782-9063

**RE: Proposed Scope of Work: Bank Stabilization Evaluation of the East Fork of the Carson River at the Virginia and Allerman Diversions**

Dear Mr. Nilssen:

We appreciate your request for a proposal to evaluate channel and bank conditions and recommend bank stabilization measures along the East Fork of the Carson River upstream of the Virginia Ditch Diversion in Douglas County, Nevada. We understand that a recent shift in the channel plan form has increased the amount flow directed toward the right bank, accelerating the rate of bank migration. If the current trajectory of bank retreat continues, it is plausible that the channel could avulse during a future major flood event, and flank the diversion structure completely.

### **Project Goals and Objectives**

The goals of this project are to understand the risks of avulsion—and the consequent flood risk—in order to develop a management strategy for a portion of Segment 4, Reach E-2 of the East Fork of the Carson River.<sup>1</sup> We aim to address these goals by targeting a number of key questions:

- (1) What is the risk of avulsion?
- (2) How does FEMA characterize the existing flood risk?
- (3) What is the flood risk if the channel avulses and bypasses the diversion? and
- (4) What design solutions will lower the risk of avulsion?

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<sup>1</sup> Reach numbering per "Fluvial Geomorphic Assessment of the Carson River: Implications for Management of a Changing River" by Inter-Fluve, Inc., dated June 6, 1997.

Mr. Erik Nilssen  
October 6, 2014  
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We propose to answer these questions by carrying out a hydrologic, hydraulic, and geomorphic assessment, and subsequently developing geomorphically-appropriate design approaches that maintain streamflow over the diversion structure.

We have already had the opportunity to visit the site, and conducted a cursory review some of the available background data. We will build on this work to verify and further elucidate key processes of this channel segment and work with you and the project team to evaluate a range of project elements and at least two (2) alternative conceptual design solutions to address the project goals. The conceptual design alternatives will be consistent with goals, objectives, and management strategies of the Carson River Stewardship Plan and the Carson River Watershed Regional Management Plan (2008; updated in 2013), and will address the following objectives:

- 1) Minimize channel avulsion risk;
- 2) Maintain or reduce flood surface elevations;
- 3) Maintain the hydraulic performance of the diversion; and
- 4) Prevent streambank erosion in the long term.

We anticipate working with you, Carson Water Subconservancy District (CWSD), Carson Valley Conservation District (CVCD), Washoe Tribe of California and Nevada, and Allerman Upper Virginia Irrigation Company through a process of site characterization, hydrologic and hydraulic analyses, and development and evaluation of alternative design solutions. We have developed the following work plan to address these goals and objectives.

## **Work Plan**

### ***Task 1. Backgrounding***

We will compile available background information and apply existing data and modeling efforts to this study reach. To date, we have compiled a basemap in ArcGIS that includes the shapefiles you have provided (2-foot contours, parcels, roads centerlines, stream and ditch lines, inundation extents from the 1997 flood, and 2012 orthoimages). A Geographic Information System will serve to manage all geospatial data, facilitate analysis of current and past conditions, and to develop and evaluate feasibility of design alternatives. In addition, we have begun reviewing flood chronology of the Carson River available from the USGS (<http://nevada.usgs.gov/crflid/>), and will obtain existing sediment transport models and/or data, as available and applicable. We have also obtained the current effective FEMA flood map, and anticipate receiving the most current hydrologic and hydraulic model files from the ongoing FEMA flood map revision effort.

We will work with the Allerman Upper Virginia Irrigation Company to obtain copies or scans of photos taken during flood events within the last decade, and relate this information to streamflow and sediment transport data collected and provided by the USGS. We will contact the Federal Watermaster to define the regulatory environment with respect to water rights and allowable diversion rates. We will review NRCS and other available

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soils data to understand the influence of local soils on erosion. Lastly, we will retrieve and georegister (as available) historical aerial photos from the U.S. Geological Survey and/or U.S. Forest Service and evaluate the rates or episodes of channel change and/or confinement by levees.

### *Task 2. Site investigation*

Concurrent with a review of available data, we will develop an existing conditions channel geomorphic map of the project reach. The map will include a portion of Segment 4, Reach E-2 beginning at the Virginia Rocky Diversion and extending upstream for a minimum of one meander wavelength (the precise upstream limit will be finalized during field work). We will initially draft the map based on existing background data and our understanding of the site from our preliminary field visit. We will then conduct a comprehensive field investigation to verify the draft map, fill in gaps from our desktop interpretation, and supplement the map with field measurements. This map will highlight channel bed forms, bed material grain size distribution, potential for scour and lateral channel movement, areas of bank stability and/or instability (including areas stabilized by vegetation), channel geometry measurements, and measurement of channel slope. If possible, historical channel bank locations will also be plotted on this map, as based on historical photographs. This information, combined with hydrology and hydraulic analyses will feed into the site assessment report and become the basis for design of site-appropriate bank stabilization measures.

*Task 2 Deliverable: Channel geomorphology map to accompany Task 3 technical memo*

### *Task 3. Site assessment report*

Based on the work carried out in Tasks 1 and 2, Balance will draft a technical memo summarizing the background and field data, and using the four key questions posed above as a framework for discussion. The summary of background data will serve to set the stage for identifying project constraints and opportunities. Assuming the detail of the hydraulic model is adequate in the vicinity of the project site, we will identify design parameters (e.g. key elevations) to evaluate the feasibility of design alternatives. If the spacing of cross sections in the hydraulic model is too coarse, additional survey beyond this scope of work may be required. Based on the findings of the memo, we will identify subsequent steps that will be required to move from the pre-project assessment, through design, permitting, implementation, and post-project monitoring.

Following receipt of comments on the draft memo, we will issue a final technical memo.

*Task 3 Deliverable: Draft and Final Technical Memo summarizing existing and historical channel conditions.*

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October 6, 2014  
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#### ***Task 4. Conceptual Design Alternatives***

At this time, we anticipate that design alternatives will focus on two themes: (1) localized stabilization of the failing banks using boulder and/or vegetation bioengineering approaches, and (2) providing flood relief elsewhere in the system to lessen erosional forces on the banks. For the latter we will explore multiple means of providing flood relief, including redirecting a portion or all flow toward the left channel, as well as floodplain widening or set-backs. Design of alternatives will be taken to a conceptual level, and the alternatives will be presented on technical plan sheets. Completion of this task assumes the cross sections and hydraulic model are detailed enough to answer key questions and identify design parameters. If this is not the case, we will shift our focus toward improving the resolution of the hydraulic model so we can achieve these objectives. Feasible design alternatives will still be discussed, but will not be advanced to a conceptual level. Basic permitting requirements will be identified for each alternative, and costs will be presented in a relative sense.

*Task 4 Deliverable: Summary of design alternatives within the body of the technical memo, and supporting figures, as needed.*

#### ***Task 5. Project meetings, coordination, and management***

We have included a modest budget to account for time spent communicating with you and other stakeholders regarding this scope of work, contracting requirements, and to report on project progress. We anticipate presenting our findings to you and other stakeholders during an in-person meeting, as well as ongoing communications and/or conference calls to keep you apprised of project progress.

#### ***Staffing***

Peter Kulchawik, P.E., will serve as Project Manager, oversee day-to-day operations of the project, provide field assistance, manage the hydraulic assessment, and coordinate development of conceptual design alternatives. David Shaw, P.G., Principal Hydrologist/Geologist, will lead the site investigation, geomorphic mapping, and work with Peter to develop conceptual design alternatives. Principal Civil Engineer Ed Ballman, P.E., will provide technical review and QA/QC on design concepts, and other Balance staff will be available to assist as necessary, including geomorphologist Brian Hastings, P.G. The individuals selected to work on this project have completed a number of channel restoration design and bank-stabilization projects in similar settings. Example projects are available upon request.

#### ***Information needed prior to commencing work***

- Permission to access the site
- FEMA Flood Insurance Study

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- Hydrology and Hydraulics model report and files
- Site photos with dates
- Ditch diversion rates and seasonal restrictions
- LiDAR-based topographic information (received 8/22/2014)

### ***Assumptions***

Hydrology and hydraulic studies will be suitable for establishment of design parameters and flood elevations. If this is not the case, additional topographic data may be required for the analyses and conceptual design development described herein.

This proposal does not include time for permitting, final design, or implementation assistance.

### ***Budget and Schedule***

Our proposed budget is attached as Tables 1, 2, and 3.

We are prepared to begin work on this project immediately upon receiving a contract and authorization to proceed. Scoping and data review can commence immediately. Field investigation can be conducted in the coming weeks if the current weather conditions persist. If the field investigation can be completed in the coming weeks, alternatives can be subsequently developed and presented to the you and stakeholders in December or January.


Once again, thank you for contacting us to develop this proposed scope of work and budget. We look forward to the possibility of working with you.

Sincerely,

BALANCE HYDROLOGICS, Inc.



Peter Kulchawik, P.E.  
Civil Engineer / Hydrologist



David Shaw, P.G.  
Principal Hydrologist / Geologist

Enc: Tables 1 and 2

**Table 1. Anticipated Staff Hours by Task**  
**Bank Stabilization Evaluation for the East Fork of the Carson River, near Minden, NV**

Task Number and Description	Sr. Principal	Principal	Senior Professional	Project Professional	Sr. Staff Professional	Staff Professional	GIS/CADD Specialist	Sr. Proj Admin	Sr. Report Specialist	Labor Costs For Task
	Hourly Rate	\$210	\$175	\$155	\$140	\$130	\$115	\$95	\$80	
Task 1. Backgrounding		12					24			\$4,860
Task 2. Site investigation		12					18			\$4,170
Task 3. Site assessment report		12					40		2	\$6,860
Task 4. Conceptual design alternatives		20				8	46			\$9,830
Task 5. Project meetings and coordination		8					16		6	\$3,720
<b>Subtotal Hours</b>			64			8	144		6	2
<b>Total Hours</b>			<b>224</b>							
									<b>Total Labor</b>	<b>\$29,440</b>
									<b>Anticipated Direct Costs (Table 2)</b>	<b>\$506</b>
									<b>Total Anticipated Costs</b>	<b>\$29,946</b>

Notes:

**Table 2. Estimated Costs**

*Bank Stabilization Evaluation for the East Fork of the Carson River, near Minden, NV*

<b>Professional Fees</b>	<b>Rate</b>	<b>Hours</b>	<b>Allocation</b>
Sr. Principal	\$210	0	\$0.00
Principal	\$175	64	\$11,200.00
Senior Specialist	\$155	0	\$0.00
Senior Professional	\$155	0	\$0.00
Project Professional	\$140	0	\$0.00
Senior Staff Professional	\$130	8	\$1,040.00
Staff Professional	\$115	144	\$16,560.00
Assistant Professional	\$105	0	\$0.00
Junior Professional	\$85	0	\$0.00
GIS Senior Analyst	\$110	0	\$0.00
GIS/CADD Specialist	\$95	0	\$0.00
Graphics Specialist	\$75	0	\$0.00
Senior Project Administrator	\$80	6	\$480.00
Senior Report Specialist	\$80	2	\$160.00
Technical Typist	\$68	0	\$0.00
Hydrologic Technician	\$70	0	\$0.00
<b>Labor Subtotal (Table 1)</b>			<b>\$29,440.00</b>
<b>Expenses</b>			
<b>Direct Expenses</b>			
Mileage	360 miles @	\$0.60	\$216.00
Mileage, 4-Wheel Drive*	miles @	\$0.63	\$0.00
Vehicle Rental			\$0.00
Equipment Costs (see Table 3)			\$90.00
Per Diems	@		\$0.00
<b>Reimbursable Costs</b>			
Other Travel, Subsistence	trips @		\$0.00
Express Mail, Deliveries			\$0.00
Maps and Aerial Photos			\$100.00
Outside Copying, Blueprint			\$100.00
<b>Outside Consultants</b>			\$0.00
Analytical Laboratory Fees			\$0.00
Materials and Supplies			\$0.00
Permits, Licenses or Agency Inspection fees: <i>client responsibility</i>			\$0.00
Printing <sup>+</sup>			\$0.00
Other			\$0.00
<b>Expenses Subtotal</b>			<b>\$506.00</b>
<b>ESTIMATED TOTAL</b>			<b>\$29,946.00</b>
<b>Contingency</b>			<b>\$0.00</b>
<b>TOTAL w/ CONTINGENCY</b>			<b>\$29,946.00</b>

Notes

\* 4WD rates apply only if required by site conditions. See Balance policy re 4WD.

+Plotting costs vary according to complexity of design

Project-related expenses will be bill at cost plus 10%; including work by outside consultants and analytical or testing laboratories.

**Table 3. Equipment Rental Costs**

*Bank Stabilization Evaluation for the East Fork of the Carson River, near Minden, NV*

	Cost/ day	# of days	Cost/ mont h	# of months	Cost/ season	# of seasons	Cost/ year	# of years	Cost
<b>Field Equipment</b>									
Current meter and flow-measuring equipment	\$45		\$150		\$300				
SCT or conductivity meter	\$30		\$75		\$200				
Dissolved oxygen meter	\$35		\$100		\$250				
Turbidity meter/probe	\$35		\$100		\$250				
Digital camera	\$15	1	\$45		\$100				\$15
Field GPS unit	\$15	1	\$45		\$100				\$15
Electrical water-level indicator ("sounder")	\$25		\$75		\$150				
<b>Water-level recorders</b>									
Datalogger with two transducers	\$200		\$800		\$1,800		\$2,200		
Additional transducers	\$60		\$200		\$500		\$700		
Specific conductance + temperature sensor option	\$50		\$150		\$300		\$400		
Solar power option	n/a		n/a		\$150		\$200		
Self-contained datalogger for well installation	\$50		\$200		\$400		\$500		
<b>Samplers</b>									
Hand-held suspended-sediment sampler (DH-48; DH59)	\$35		\$100		\$250				
High-flow suspended-sediment sampler (D49, D74)	\$120		\$200		\$400				
Hand-held bedload sampler (Helley-Smith)	\$35		\$100		\$250				
High-flow bedload sampler (Helley-Smith)	\$120		\$200		\$400				
Hand-auger soil-sampling array (mud and multiple barrels)	\$30		\$120		\$250				
Soft-sediment core sampler	\$40		\$150		\$250				
Water quality sampler (DH-81)	\$35		\$100		\$250				
Field filtering equipment	\$15		\$50		\$80				
<b>Surveying equipment</b>									
Level-transit or automatic level, tripod, rod	\$60	1	\$210						\$60
Total station	\$80		\$280						
<b>Miscellaneous</b>									
Staff plates \$64 ea									
Rain gage for use with water-level datalogger	\$20		\$50		\$150		\$200		
Self-contained datalogging rain gage	\$30		\$100		\$250		\$350		
Cutthroat portable flume	\$35		\$100		\$200				

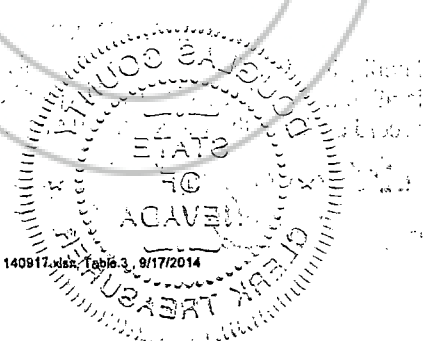
**Other Equipment**

**Total Rental Charges \$90**

**Notes:**

Rates for other equipment or for other rental periods are available (see Balance form 305).

Discounts are sometimes given on projects with extensive instrumentation or for multi-year projects.





COPY

Douglas County

State of Nevada

CERTIFIED COPY

I certify that the document to which this certificate is attached is a full and correct copy of the original record on file in the Clerk-Treasurer's Office on this

27th day of Dec, 2014

By [Signature] Deputy

