

## **Exhibit A: Statement of Work – Exhibit A**

**WATER ACTIVITY NAME – Yampa River Structures Project**

**GRANT RECIPIENT – Friends of the Yampa**

**FUNDING SOURCE –Basin Funds - Yampa/White/Green basin roundtable**

### **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 Yampa River Structures Project will design, engineer, permit, build and improve on several instream, recreational and environmental rock structures in the Yampa River, in downtown Steamboat Springs, Colorado.

These structure projects include: regrading and replanting riparian habitat, creating formalized river access points, removing debris from the river, repair/enhancing existing boating structures and installing a new boating structure.

This section of river has been identified by the Yampa/White/Green Basin Roundtable as one of the major recreational reaches of the river in the Basins Non-Consumptive Needs Assessment. This reach of river has the “Highest recreation use along the entire Yampa River allowing for multiple recreational opportunities and includes the only Recreational In-Channel Diversion in entire Yampa/White/Green Basin”, according to Phase I of the NCNA.

The Yampa River Structures Project will carryout a portion of the City of Steamboat Springs’ Yampa River Structures Master Plan (YRSMP) which was a combined effort between consultants, the City and the general public to provide “a framework for instream and riparian area improvements that will optimize the recreational benefits of the river while protecting its ecological integrity.” The YRSMP was approved in November 2008 by the City of Steamboat Springs. This plan reviewed 6.4 miles of the Yampa River and riparian corridor located along City owned property. It identified over \$3.5 million dollars of potential river work.

The YRSMP identified seven 7 locations within the proposed project reach and 5 types of river structures to work on including: regrading and replanting riparian habitat, creating formalized access points, removing debris from the river, repair/enhancing existing boating structures and installing a new boating structure.

The reach of river where this Structures Project will be done is on the Yampa River from the vicinity of 9<sup>th</sup> Street, downstream to approximately the 13<sup>th</sup> Street Bridge-Library area, in downtown Steamboat Springs, Colorado. This reach of river is approximately ¼ of a mile in river length.

CWCB staff will work with the FOY to ensure that all applicable requirements in the CWCB Rules and Regulations for Regulatory Floodplains in Colorado are satisfied.

The structures should be able to withstand a large flood event. The applicant should demonstrate this during the design process. The 100 year flow in this reach of the Yampa could exceed 6,800 cfs.

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This grant will not pay for work associated with meeting the terms and conditions set forth in the water court decree granting the City of Steamboat Springs an RICD water right.

### OBJECTIVES

List the objectives of the project

The Yampa River Structures Project objectives are to carryout the YRSMP improvement objectives which are:

- To enhance/preserve the natural character of the Yampa River in downtown Steamboat Springs through river rehabilitation improvements
- Improve upon and create additional recreational boating and fishing opportunities in the Yampa River in downtown Steamboat Springs.
- To enhance the value of the River as a community amenity through access points and recreational use opportunities.
- Improve public safety by rebuilding the D-Hole which was built with outdated methodology and isn't functioning properly.

To achieve these objectives, FOY will contract with Boulder, Colorado based Recreation Engineering and Planning (REP) <http://www.wwparks.com/> to design and engineer the work addressed in the YRSMP for the reach of river from the 9<sup>th</sup> Street downstream to the Library. FOY will contract with Steamboat Springs based Nordic Excavation (NE) <http://www.nordicexcavating.com/> to carryout excavation and build out of structures and identified habitat/river work.

Both REP and NE have worked with FOY and the City of Steamboat Springs on several new river structures and river related structure rebuilds on City property. Both entities are aware of this grant application and eager to help again with work done in the Yampa River in Steamboat Springs, Colorado.

Before any structures are built a complete site survey, detailed hydrologic modeling, design and engineering of structures work will be required. Permitting through the Army Corp will be necessary as well as No Rise certificates (stamped engineer drawings) and Floodway Development Permits. Once permits are in place, excavation, rebuild and new structures will be built.

### TASKS

Provide a detailed description of each task using the following format

**TASK 1 – YRSMP Ref # 4i, 4j (The reference to items 4i and 4j were identified in the YRSMP, See Attachment B: Yampa River Structures Master Plan Site Assessment)**

#### Description of Task

Rebuild what is now a “sub-optimal” recreational feature [4j], improve and formalize the existing access point to this feature [4i] and rehabilitate the eroding bank near the access by improving the riparian buffer zone. Place select boulders downstream of feature to increase fisheries habitat.

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This area of work is located next to the Ambulance Barn hence the name of the feature being the A-Hole. The feature was built in 1990 as part of a collaborative effort to increase recreational boating and fisheries habitat. It was built with outdated methods where the hole is “frowning”, with wings facing downstream which causes the feature to be a “keeper” hole, especially at low water. Due to this type of construction, the A-hole is somewhat dangerous especially at lower water flows and is of a high priority status in the YRSMP.

### Method/Procedure

Utilize REP and NE to re-design and re-build a safer and more enjoyable recreational feature, improve and formalize the existing access point on north side of river and improve the riparian buffer zone that is currently eroding near this access point. Place select boulders below feature to increase fisheries habitat.

**Fall 2011.**

**TASK 2 – YRSMP Ref # 4f, 4g, 4h (The reference to items 4f, 4g and 4h were identified in the YRSMP, See Attachment B: Yampa River Structures Master Plan Site Assessment)**

### Description of Task

Perform work on three identified areas in the YRSMP downstream of the A-hole which are identified as creating a formalized access point, regrade and replanting of riparian buffer [4h], modify the recreational structure known as the Z-Hole which is minimally effective and traps sediment [4g], and remove, rebuild and enhance the recreational structure identified as the Orange Peel Wave which currently has limited recreational value [4f].

Work to optimize fisheries habitat by maintaining adequate riffle water and by placement of select boulders.

### Method/Procedure

Utilize REP and NE to re-design and re-build the northern riparian buffer and access point. Re-design and re-build the recreational features to decrease sediment and improve recreational opportunities. Improve fisheries habitat by placing boulder clusters in select areas.

**Fall 2011**

**TASK 3 – YRSMP Ref # 4d, 4e (The reference to items 4d and 4e were identified in the YRSMP, See Attachment B: Yampa River Structures Master Plan Site Assessment)**

### Description of Task

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Concrete debris is scattered in the channel and along the northern (river right) bank of the river just upstream of the confluence of Soda Creek which is just upstream of the Charlie's Hole. It is a safety concern as well as aesthetic detriment [4e]. The concrete will be removed and the riparian buffer will be improved with added river rock and riparian plant rehabilitation

An additional recreational boating structure will be installed as there is sufficient space and channel gradient to accommodate it in this area [4d]. This would reduce high level of use at other play features and would improve overall recreational benefits to Yampa River Boating Park.

Place additional boulder clusters in select areas throughout river section to improve fisheries habitat.

### Method/Procedure

Utilize REP and NE to re-design and re-build the northern riparian buffer and removal of all concrete debris. Design, build/install a recreational feature to enhance recreational opportunities in this reach of river. Improve fisheries habitat by placing boulder clusters in select areas.

### **Fall 2011**

### **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.

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### BUDGET

Provide a detailed budget by task including number of hours and rates for labor and unit costs for other direct costs (i.e. mileage, \$/unit of material for construction, etc.). A detailed and perfectly balanced budget that shows all costs is required for the State's contracting and purchase order processes. Sample budget tables are provided below. Please note that these budget tables are examples and will need to be adapted to fit each individual application. Tasks should correspond to the tasks described above.

### TASKS /WORK PLAN

#### Yampa River Structures Project Design & Engineering Estimates

**Description** (the reference letters 4d – 4j relate to locations in the river identified by the Yampa River Structures Master Plan. See Attachment B)

Task #		Item Total Price	WSRA	Match
1	Phase I (4i & 4j): Preliminary Design, permitting, final design. This includes base-mapping for a certain reach, hydraulic (floodplain) analysis for the reach, and permitting.	\$7,200.00	\$3,600	\$3,600
2	Phase II (4g & 4f & 4h): Preliminary Design, permitting, final design. This includes base-mapping for a certain reach, hydraulic (floodplain) analysis for the reach, and permitting.	\$7,200.00	\$3,600	\$3,600
3	Phase III (4e & 4d): Preliminary Design, permitting, final design. This includes base-mapping for a certain reach, hydraulic (floodplain) analysis for the reach, and permitting.	\$7,200.00	\$3,600	\$3,600
<b>Design &amp; Engineering Subtotal</b>		<b>\$21,600.00</b>	<b>\$10,800</b>	<b>\$10,800</b>

#### Yampa River Structures Project Construction Estimates

Task #	Description	Item Total Price	WSRA	Match
1	Create formalized access point to river [4i]. Rehabilitate the eroding bank near the access by improving the riparian buffer zone [4i]. Phase I	\$5,000.00	\$2,500	\$2,500
1	Rebuild sub-optimal recreational feature [4j]. Repair existing feature with an updated configuration that meets the needs of the recreational intent of the feature. Place additional boulder cluster downstream of feature to increase fisheries habitat. Phase I	\$7,500.00	\$3,750	\$3,750

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2	Add rocks to river right bank to stop erosion. Use flat canyon city rock to build new stairs for access point. [4h] Phase I	\$21,000.00	\$10,500	\$10,500
2	Repair, modify, & enhance recreational structure known as Double Z Wave. Includes rock acquisition & hauling, general excavation, placement, backfill, and pool excavation [4g] Phase II	\$8,500.00	\$4,250	\$4,250
2	Repair, modify, & enhance recreational structure known as the Orange Peel Wave. Includes rock acquisition & hauling, general excavation, placement, backfill, and pool excavation [4f] Phase II	\$7,000.00	\$3,500	\$3,500
3	Removal of concrete debris lining bank creating a recreational safety hazard and aesthetic detriment [4e]. Phase III	\$2,000.00	\$1,000	\$1,000
3	Install recreational boating feature. Includes design, engineering, & rock acquisition & hauling, general excavation, placement, backfill, & pool excavation [4d]. Phase III	\$28,000.00	\$14,000	\$14,000
<b>Construction subtotal</b>		<b>\$79,000.00</b>	<b>\$39,500</b>	<b>\$39,500</b>

<b>Estimated Engineering &amp; Construction Total</b>	<b>\$100,600.00</b>	<b>\$50,300</b>	<b>\$50,300</b>
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## SCHEDULE

<b>Anticipated Schedule – Yampa River Awareness Project</b>	
<b>1. Project Design, Permitting and Planning</b>	<b>Monthly Timeframe</b>
- Design	July 2012 – April 2012
- Permitting	July 2012 – April 2012
<b>2. Project Construction: should only take 2 weeks after start date.</b>	
- Phase I: 4i, 4j, 4h	July 2012 – December 2012
- Phase II: 4g, 4f	July 2012 – December 2012
- Phase III: 4e, 4d	July 2012 – December 2012
<b>3. Administration, Project Management and Reporting</b>	
- Administration/Project Management	July 2012 – December 2012
- Reporting	July 2012 – December 2012

## PAYMENT

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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.

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The above statements are true to the best of my knowledge:

**Signature of Applicant:**

**Print Applicant's Name:** Kent L. Vertrees

**Project Title:** Yampa River Structures Project

**Return this application to:**

Mr. Todd Doherty  
Intrastate Water Management and Development Section  
COLORADO WATER CONSERVATION BOARD  
1580 Logan Street, Suite 200  
Denver, CO 80203

To submit applications by Email, send to: [todd.doherty@state.co.us](mailto:todd.doherty@state.co.us)



**Attachment 1**  
**Reference Information**

The following information is available via the internet. The reference information provides additional detail and background information.

Colorado Water Conservation Board (<http://cwcb.state.co.us/>)

Loan and Grant policies and information are available at – <http://cwcb.state.co.us/Finance/>

Interbasin Compact Committee and Basin Roundtables (<http://ibcc.state.co.us/>)

Interbasin Compact Committee By-laws and Charter (under Helpful Links section) –

<http://ibcc.state.co.us/Basins/IBCC/>

Legislation

House Bill 05-1177 - Also known as the Water for the 21<sup>st</sup> Century Act –

<http://cwcbweblink.state.co.us/DocView.aspx?id=105662&searchhandle=28318>

House Bill 06-1400 – Adopted the Interbasin Compact Committee Charter –

<http://cwcbweblink.state.co.us/DocView.aspx?id=21291&searchhandle=12911>

Senate Bill 06-179 – Created the Water Supply Reserve Account –

<http://cwcbweblink.state.co.us/DocView.aspx?id=21379&searchhandle=12911>

Statewide Water Supply Initiative

General Information – <http://cwcb.state.co.us/IWMD/>

Phase 1 Report – <http://cwcb.state.co.us/IWMD/SWSITechnicalResources/SWSIPhaseIReport/>

**Attachment 2**  
**Insurance Requirements**

NOTE: The following insurance requirements taken from the standard contract apply to WSRA projects that exceed \$25,000 in accordance with the policies of the State Controller's Office. Proof of insurance as stated below is necessary prior to the execution of a contract.

**13. INSURANCE**

Grantee and its Sub-grantees shall obtain and maintain insurance as specified in this section at all times during the term of this Grant: All policies evidencing the insurance coverage required hereunder shall be issued by insurance companies satisfactory to Grantee and the State.

**A. Grantee**

**i. Public Entities**

If Grantee is a "public entity" within the meaning of the Colorado Governmental Immunity Act, CRS §24-10-101, et seq., as amended (the "GIA"), then Grantee shall maintain at all times during the term of this Grant such liability insurance, by commercial policy or self-insurance, as is necessary to meet its liabilities under the GIA. Grantee shall show proof of such insurance satisfactory to the State, if requested by the State. Grantee shall require each Grant with Sub-grantees that are public entities, providing Goods or Services hereunder, to include the insurance requirements necessary to meet Sub-grantee's liabilities under the GIA.

**ii. Non-Public Entities**

If Grantee is not a "public entity" within the meaning of the GIA, Grantee shall obtain and maintain during the term of this Grant insurance coverage and policies meeting the same requirements set forth in **§13(B)** with respect to sub-Grantees that are not "public entities".

**B. Sub-Grantees**

Grantee shall require each Grant with Sub-grantees, other than those that are public entities, providing Goods or Services in connection with this Grant, to include insurance requirements substantially similar to the following:

**i. Worker's Compensation**

Worker's Compensation Insurance as required by State statute, and Employer's Liability Insurance covering all of Grantee and Sub-grantee employees acting within the course and scope of their employment.

**ii. General Liability**

Commercial General Liability Insurance written on ISO occurrence form CG 00 01 10/93 or equivalent, covering premises operations, fire damage, independent Grantees, products and completed operations, blanket Grantual liability, personal injury, and advertising liability with minimum limits as follows: **(a)** \$1,000,000 each occurrence; **(b)** \$1,000,000 general aggregate; **(c)** \$1,000,000 products and completed operations aggregate; and **(d)** \$50,000 any one fire. If any aggregate limit is reduced below \$1,000,000 because of claims made or paid, Sub-grantee shall immediately obtain additional insurance to restore the full aggregate limit and furnish to Grantee a certificate or other document satisfactory to Grantee showing compliance with this provision.

**iii. Automobile Liability**

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Automobile Liability Insurance covering any auto (including owned, hired and non-owned autos) with a minimum limit of \$1,000,000 each accident combined single limit.

**iv. Additional Insured**

Grantee and the State shall be named as additional insured on the Commercial General Liability and Automobile Liability Insurance policies (leases and construction Grants require additional insured coverage for completed operations on endorsements CG 2010 11/85, CG 2037, or equivalent).

**v. Primacy of Coverage**

Coverage required of Grantee and Sub-grantees shall be primary over any insurance or self-insurance program carried by Grantee or the State.

**vi. Cancellation**

The above insurance policies shall include provisions preventing cancellation or non-renewal without at least 45 days prior notice to the Grantee and the State by certified mail.

**vii. Subrogation Waiver**

All insurance policies in any way related to this Grant and secured and maintained by Grantee or its Sub-grantees as required herein shall include clauses stating that each carrier shall waive all rights of recovery, under subrogation or otherwise, against Grantee or the State, its agencies, institutions, organizations, officers, agents, employees, and volunteers.

**C. Certificates**

Grantee and all Sub-grantees shall provide certificates showing insurance coverage required hereunder to the State within seven business days of the Effective Date of this Grant. No later than 15 days prior to the expiration date of any such coverage, Grantee and each Sub-grantee shall deliver to the State or Grantee certificates of insurance evidencing renewals thereof. In addition, upon request by the State at any other time during the term of this Grant or any sub-grant, Grantee and each Sub-grantee shall, within 10 days of such request, supply to the State evidence satisfactory to the State of compliance with the provisions of this §13.

**Attachment 3**  
**Water Supply Reserve Account Standard Contract**

NOTE: The following contract is required for WSRA projects that exceed \$100,000. (Projects under this amount will normally be funded through a purchase order process.) Applicants are encouraged to review the standard contract to understand the terms and conditions required by the State in the event a WSRA grant is awarded. Significant changes to the standard contract require approval of the State Controller's Office and often prolong the contracting process.

It should also be noted that grant funds to be used for the purchase of real property (e.g. water rights, land, conservation easements, etc.) will require additional review and approval. In such cases applicants should expect the grant contracting process to take approximately 3 to 6 months from the date of CWCB approval.

**Attachment 4**  
**W-9 Form**

NOTE: A completed W-9 form is required for all WSRA projects prior execution of a contract or purchase order. Please submit this form with the completed application.

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**Attachment A: Approval letter from Tom Gray, chair of Yampa/White/Green basin Roundtable.**

July 11, 2011

Mr. Todd Dougherty  
Colorado Water Conservation Board  
1313 Sherman Street  
Denver, Colorado 80203

Dear Todd,

On June 15, 2011, the Yampa/White/Green River Basin Roundtable passed a motion supporting the use of \$50,000 of basin funds for a grant proposal by the Friends of the Yampa, 501 c (3), titled Yampa River Structures Project. This proposal was first presented to the Roundtable on April 20, 2011 and then for the second reading at the June Roundtable meeting.

There was unanimous support for this motion.

Once supported, there were a few key stipulations made by the roundtable regarding this grant:

- This grant will not be for any repairs to the Charlie's Hole or for future repairs to the grant project work in the future.
- There needs to be 100% match for this grant.
- No river wide features will be built by this grant money.

This section of river is one that the Yampa/White/Green Basin Roundtable identified as an important reach in Phase I and II of the Non-Consumptive needs assessment.

According to the City of Steamboat Springs, the section of river where this Yampa River Structures Project will be carried out "is the centerpiece for our summer activities and the cornerstone of the City's recreational economy". The City's 2007 Yampa River Structure Master Plan, the subject of the proposed grant improvements, was developed with nearly ten years of public process.

The Yampa/White/Green River Basin Roundtable requests that the Colorado Water Conservation Board approve the grant request of the Friends of the Yampa for \$50,000 of basin fund. With full funding of this request, the Friends of the Yampa will move forward with this project that will provide a substantial first step for improving the Steamboat Springs Boating Park and contribute to the vitality of their summer recreation industry.

Sincerely,



Tom Gray  
Yampa/White/Green Basin Roundtable, Chair

Attachment B: Yampa River Master Plan Site Assessment

