

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
March 18-19, 2014
Agenda Item 17(g)

Applicant: Animas Valley Ditch and Water Company

Water Activity Name: Animas Valley Emergency Ditch Repair

County: La Plata

River Basin: Southwest

Water Source: Animas River

Amount Requested: \$30,000 from the Southwest Basin Account

Matching Funds: \$30,000 -\$40,000 in-kind and cash match Animas Valley Ditch and Water Company (30% - 40% of total project costs), \$30,000 cash match Southwest Water Conservation District (30% of total project costs); Total Project Costs (\$100,000) Match = 60% - 70%

Staff Recommendation:
Staff recommends approval of up to \$30,000 from the Southwest Basin Account for the project titled: Animas Valley Ditch and Water Company Emergency Ditch Repair.

Water Activity Summary: WSRA Grant funds will be expended to repair the serious damage to approximately 2 miles of the Animas Valley Ditch that occurred as a result of the severe thunder/hail storms that occurred on Sept 18 and 22, 2013, in the Animas Valley. Significant debris flow filled in and/or damaged approximately 2 miles of the ditch, with debris varying from 2 foot deep to completely filling the 6-8 deep ditch.

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria.

Funding/Match Summary:

<u>Funding Source</u>	<u>In-kind &/or Cash</u>
Animas Valley Ditch & Water Company	\$30,000- \$40,000
Southwest Water Conservation District	\$30,000
WSRA Southwest Basin Account	\$30,000
Total Project Costs	\$90,000 - \$100,000

Discussion:

No additional discussion is needed.

Issues/Additional Needs:

No additional issues or needs were identified.

Staff Recommendation:

Staff recommends approval of up to \$30,000 from the Southwest Basin Account for project titled: Animas Valley Ditch and Water Company Emergency Ditch Repair.

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 will help promote the development of a common technical platform. In accordance with the revised WSRA Criteria and Guidelines, staff would like to highlight additional reporting and final deliverable requirements. The specific requirements are provided below.

Reporting and Final Deliverable: 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 scope of work including a description of any major issues that have occurred and any corrective action taken to address these issues. 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.

Engineering: All engineering work (as defined in the Engineers Practice Act (§12-25-102(10) C.R.S.)) performed under this grant shall be performed by or under the responsible charge of professional engineer licensed by the State of Colorado to practice Engineering.

SOUTHWEST BASINS ROUNDTABLE

Michael Preston, Chair
c/o Dolores Water Conservancy District
P.O. Box 1150
Cortez, Colorado 81321
970-565-7562

January 15, 2014

Mr. Craig Godbout
Water Supply Management Section
Colorado Water Conservation Board
1580 Logan Street, Suite 600
Denver, Colorado 80203

SUBJECT: Animas Valley Ditch and Water Company Emergency Repair - \$30,000 from Basin Account

Dear Mr. Godbout:

The Southwest Basin Roundtable is pleased to recommend funding of \$30,000 from the Southwest Basin Account for the Animas Valley Ditch and Water Company Emergency Repair. The application was considered in detail and approved at the January 8, 2014 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present.

The proposed project is an emergency resulting from a very extreme localized weather event which did extensive damage to the largest irrigation ditch serving the Animas Valley. The applicants will be unable to deliver water down ditch until these repairs can be made, and would very much appreciate getting the project underway before irrigation deliveries need to be made in the spring.

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicant directly or me at 970-565-7562, mpreston@frontier.net, if you have questions or wish to discuss this application in more detail.

Sincerely,



Michael Preston
Southwest Basin Roundtable Chair



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Today's Date: 30 December 2013

Animas Valley Ditch & Water Co. Emergency Repair

Name of Water Activity/Project

Animas Valley Ditch & Water Co.

Name of Applicant

Southwest Basin
Roundtable

Amount from Statewide Account:

\$0

Amount from Basin Account(s):

\$30,000

Total WSRA Funds Requested:

\$30,000

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

FEIN 84-0813751

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Required Exhibits

- A. Statement of Work, Budget, and Schedule
- B. Project Map
- C. As Needed (i.e. letters of support, photos, maps, etc.)

Appendices – Reference Material

- 1. Program Information
- 2. Insurance Requirements
- 3. WSRA Standard Contract Information (Required for Projects Over \$100,000)
- 4. W-9 Form (Required for All Projects Prior to Contracting)

Water Supply Reserve Account – Application Form

Revised October 2013

Instructions

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable **AND** the Colorado Water Conservation Board (CWCB). The process for Basin Roundtable consideration and approval is outlined in materials in Appendix 1.

Once approved by the local Basin Roundtable, the applicant should submit this application **with a detailed statement of work including budget and schedule as Exhibit A** to CWCB staff by the application deadline.

WSRA applications are due with the roundtable letter of support 60 calendar days prior to the bi-monthly Board meeting at which it will be considered. Board meetings are held in January, March, May, July, September, and November. Meeting details, including scheduled dates, agendas, etc. are posted on the CWCB website at: <http://cwcb.state.co.us> Applications to the WSRA Basin Account are considered at every board meeting, while applications to the WSRA Statewide Account are only considered at the March and September board meetings.

When completing this application, the applicant should refer to the WSRA Criteria and Guidelines available at: <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Documents/WSRACriteriaGuidelines.pdf>

The application, statement of work, budget, and schedule **must be submitted in electronic format** (Microsoft Word or text-enabled PDF are preferred) and can be emailed or mailed on a disk to:

Craig Godbout - WSRA Application
Colorado Water Conservation Board
1580 Logan Street, Suite 200
Denver, CO 80203
Craig.godbout@state.co.us

If you have questions or need additional assistance, please contact Craig Godbout at: 303-866-3441 x3210 or craig.godbout@state.co.us.

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Part I. - Description of the Applicant (Project Sponsor or Owner);

1.	Applicant Name(s):	Animas Valley Ditch & Water Co. (AVD&WC)		
	Mailing address:	P.O. Box 2704 Durango, CO 81302		
	FEIN #:	84-0813751		
	Primary Contact:	Cecilia Whitaker	Position/Title:	Ditch Secretary
	Email:	cwhitakerpls@gmail.com		
	Phone Numbers:	Cell: (970) 426-9096	Office:	
	Alternate Contact:	Tony Ganzerla	Position/Title:	Ditch President
	Email:	oyaea@yahoo.com		
	Phone Numbers:	Cell: (970) 749-4608	Office:	

2. Eligible entities for WSRA funds include the following. What type of entity is the Applicant?

- ☐ Public (Government) – municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities and the local entity should be the grant recipient. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
- ☐ Public (Districts) – authorities, Title 32/special districts, (conservancy, conservation, and irrigation districts), and water activity enterprises.
- ☒ Private Incorporated – mutual ditch companies, homeowners associations, corporations.
- ☐ Private individuals, partnerships, and sole proprietors are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
- ☐ Non-governmental organizations – broadly defined as any organization that is not part of the government.

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3. Provide a brief description of your organization

The Animas Valley Ditch and Water Co. (AVDWC) (also known as the Reid Ditch) was incorporated in the State of Colorado April 13, 1880. We are a non-profit ditch company primarily providing irrigation water for farm and ranch land, with secondary benefits to domestic water wells, wetlands and wildlife habitat. The Animas Valley Ditch is approximately 13 miles long (from Baker's Bridge to the section line at the old Kroeger property), 8 feet wide and 6-8 feet deep. The water level is run at 2.5 feet deep (as according to the original decree from 1880).

The AVDWC has 646 water shares split among approximately 80 shareholders (approximately 1/3 are agricultural users). We also service about ten carriage agreements. Our headgate is approximately ¼ mile south of Baker's Bridge. Our only revenue source is yearly water share assessments and an occasional special assessment. The annual assessment has been \$50/share for the last 4 years. We have not issued a special assessment since 2009.

The Animas Valley Ditch serves as an unintentional barrier and protection for private property (for both ditch shareholders and non-shareholders alike), including many residences, from frequent, naturally occurring flash flood runoff. The ditch serves as a collection and diversion for the water coming off the steep mountain slopes adjacent to the ditch. We took the initiative to clean sections of the ditch this fall, so that the ditch could continue to provide some protection from the potential of additional runoff or flooding prior to the repair of the ditch.

The contact person for this application is:

Cecilia Whitaker, AVDWC secretary, 1825 County Road 250, Durango, CO 81301; (970) 426-9096

4. If the Contracting Entity is different than the Applicant (Project Sponsor or Owner) please describe the Contracting Entity here.

5. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of the project funded by the WSRA grant. In order to expedite the contracting process the CWCB has established a standard contract with provisions the applicant must adhere to. A link to this standard contract is included in Appendix 3. Please review this contract and check the appropriate box.

☐

The Applicant will be able to contract with the CWCB using the Standard Contract

☐

The Applicant has reviewed the standard contract and has some questions/issues/concerns. Please be aware that any deviation from the standard contract could result in a significant delay between grant approval and the funds being available.

6. The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant.

Not applicable.

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Part II. - Description of the Water Activity/Project

1. What is the primary purpose of this grant application? (Please check only one)

☐ Nonconsumptive (Environmental or Recreational)

☒ Agricultural

☐ Municipal/Industrial

☐ Needs Assessment

☐ Education

☐ Other

Explain:

Repair of water delivery ditch

2. If you feel this project addresses multiple purposes please explain.

This project will repair a 2 mile section of damaged ditch that is the water delivery mechanism for approximately 80 shareholders, both rural residential and agricultural. The ditch also acts as a flood control/protection structure for many of the adjacent properties (both shareholders and non-shareholders alike). It also acts as replenishment for domestic water wells in the south 4 miles of the ditch

3. Is this project primarily a study or implementation of a water activity/project? (Please check only one)

☐ Study

☒ Implementation

4. To catalog measurable results achieved with WSRA funds can you provide any of the following numbers?

New Storage Created (acre-feet)

New Annual Water Supplies Developed, Consumptive or Nonconsumptive (acre-feet)

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

Length of Pipe/Canal Built or Improved (linear feet)

Efficiency Savings (acre-feet/year OR dollars/year – **circle one**)

Area of Restored or Preserved Habitat (acres)

Other -- Explain:

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4. To help us map WSRAs please include a map (Exhibit B) and provide the general coordinates below:

Latitude: 37°20.8' N

Longitude: 107°50.1 W

5. Please provide an overview/summary of the proposed water activity (no more than one page). Include a description of the overall water activity and specifically what the WSR funding will be used for. A full **Statement of Work** with a detailed budget and schedule is required as **Exhibit A** of this application.

The purpose of this project is to repair the serious damage to the Animas Valley Ditch that occurred as a result of the severe thunder/hail storms that occurred on Sept 18 and 22, 2013 in the Animas Valley. Significant debris flow filled in and/or damaged approximately 2 miles of the ditch. In the affected 2 mile stretch the ditch is filled with debris varying from 2 foot deep to completely filled to the 6-8 foot level.

Part III. – Threshold and Evaluation Criteria

1. Describe how the water activity meets these **Threshold Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)

- a) The water activity is consistent with Section 37-75-102 Colorado Revised Statutes.¹

We are in compliance with this section under Colorado law.

- b) The water activity underwent an evaluation and approval process and was approved by the Basin Roundtable (BRT) and the application includes a description of the results of the BRT's evaluation and approval of the activity. At a minimum, the description must include the level of agreement reached by the roundtable, including any minority opinion(s) if there was not general agreement for the activity. The description must also include reasons why general agreement was not reached (if it was not), including who opposed the activity and why they opposed it. Note- If this information is included in the letter from the roundtable chair simply reference that letter.

¹ 37-75-102. Water rights - protections. (1) It is the policy of the General Assembly that the current system of allocating water within Colorado shall not be superseded, abrogated, or otherwise impaired by this article. Nothing in this article shall be interpreted to repeal or in any manner amend the existing water rights adjudication system. The General Assembly affirms the state constitution's recognition of water rights as a private usufructuary property right, and this article is not intended to restrict the ability of the holder of a water right to use or to dispose of that water right in any manner permitted under Colorado law. (2) The General Assembly affirms the protections for contractual and property rights recognized by the contract and takings protections under the state constitution and related statutes. This article shall not be implemented in any way that would diminish, impair, or cause injury to any property or contractual right created by intergovernmental agreements, contracts, stipulations among parties to water cases, terms and conditions in water decrees, or any other similar document related to the allocation or use of water. This article shall not be construed to supersede, abrogate, or cause injury to vested water rights or decreed conditional water rights. The General Assembly affirms that this article does not impair, limit, or otherwise affect the rights of persons or entities to enter into agreements, contracts, or memoranda of understanding with other persons or entities relating to the appropriation, movement, or use of water under other provisions of law.

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- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.² The Basin Roundtable Chairs shall include in their approval letters for particular WSRA grant applications a description of how the water activity will assist in meeting the water supply needs identified in the basin roundtable's consumptive and/or non-consumptive needs assessments.

Not applicable.

- d) Matching Requirement: For requests from the **Statewide Fund**, the applicants will be required to demonstrate a 25 percent (or greater) match of the total grant request from the other sources, including by not limited to Basin Funds. A minimum match of 5% of the total grant amount shall be from Basin funds. A minimum match of 5% of the total grant amount must come from the applicant or 3rd party sources. Sources of matching funds include but are not limited to Basin Funds, in-kind services, funding from other sources, and/or direct cash match. Past expenditures directly related to the project may be considered as matching funds if the expenditures occurred within 9 months of the date the application was submitted to the CWCBC. Please describe the source(s) of matching funds. (NOTE: These matching funds should also be reflected in your Detailed Budget in **Exhibit A** of this application)

The AVD&WC has already applied and been denied funds from the National Resource Conservation Service Emergency Watershed Protection (EWP) funds. (Almost all of NRCS federal EWP funds went to the severely damaged areas in NE Colorado.) We are applying to the Southwest Water Conservation District for \$30,000. We plan on contributing the remaining \$30,000 – 40,000 (monetary and in-kind services) needed to complete the project. In-kind services include the project supervision, management and design; some equipment work provided by shareholders; placement/disposal of debris and surplus dirt.

2. For Applications that include a request for funds from the **Statewide Account**, describe how the water activity/project meets all applicable **Evaluation Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines and repeated below.) Projects will be assessed on how well they meet the Evaluation Criteria. **Please attach additional pages as necessary.**

² 37-75-104 (2)(c). Using data and information from the Statewide Water Supply Initiative and other appropriate sources and in cooperation with the on-going Statewide Water Supply Initiative, develop a basin-wide consumptive and nonconsumptive water supply needs assessment, conduct an analysis of available unappropriated waters within the basin, and propose projects or methods, both structural and nonstructural, for meeting those needs and utilizing those unappropriated waters where appropriate. Basin Roundtables shall actively seek the input and advice of affected local governments, water providers, and other interested stakeholders and persons in establishing its needs assessment, and shall propose projects or methods for meeting those needs. Recommendations from this assessment shall be forwarded to the Interbasin Compact Committee and other basin roundtables for analysis and consideration after the General Assembly has approved the Interbasin Compact Charter.

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Evaluation Criteria – the following criteria will be utilized to further evaluate the merits of the water activity proposed for funding from the Statewide Account. In evaluation of proposed water activities, preference will be given to projects that meet one or more criteria from each of the three “tiers” or categories. Each “tier” is grouped in level of importance. For instance, projects that meet Tier 1 criteria will outweigh projects that only meet Tier 3 criteria. WSRA grant requests for projects that may qualify for loans through the CWCB loan program will receive preference in the Statewide Evaluation Criteria if the grant request is part of a CWCB loan/WSRA grant package. For these CWCB loan/WSRA grant packages, the applicant must have a CWCB loan/WSRA grant ratio of 1:1 or higher. Preference will be given to those with a higher loan/grant ratio.

Tier 1: Promoting Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs

- a. The water activity addresses multiple needs or issues, including consumptive and/or non-consumptive needs, or the needs and issues of multiple interests or multiple basins. This can be demonstrated by obtaining letters of support from other basin roundtables (in addition to an approval letter from the sponsoring basin).
- b. The number and types of entities represented in the application and the degree to which the activity will promote cooperation and collaboration among traditional consumptive water interests and/or non-consumptive interests, and if applicable, the degree to which the water activity is effective in addressing intrabasin or interbasin needs or issues.
- c. The water activity helps implement projects and processes identified as helping meet Colorado’s future water needs, and/or addresses the gap areas between available water supply and future need as identified in SWSI or a roundtable’s basin-wide water needs assessment.

Tier 2: Facilitating Water Activity Implementation

- d. Funding from this Account will reduce the uncertainty that the water activity will be implemented. For this criterion the applicant should discuss how receiving funding from the Account will make a significant difference in the implementation of the water activity (i.e., how will receiving funding enable the water activity to move forward or the inability obtaining funding elsewhere).
- e. The amount of matching funds provided by the applicant via direct contributions, demonstrable in-kind contributions, and/or other sources demonstrates a significant & appropriate commitment to the project.

Tier 3: The Water Activity Addresses Other Issues of Statewide Value and Maximizes Benefits

- f. The water activity helps sustain agriculture & open space, or meets environmental or recreational needs.
- g. The water activity assists in the administration of compact-entitled waters or addresses problems related to compact entitled waters and compact compliance and the degree to which the activity promotes maximum utilization of state waters.
- h. The water activity assists in the recovery of threatened and endangered wildlife species or Colorado State species of concern.
- i. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.
- j. The water activity is complimentary to or assists in the implementation of other CWCB programs.

Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.

Please attach additional pages as necessary.

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Part IV. – Required Supporting Material

1. **Water Rights, Availability, and Sustainability** – This information is needed to assess the viability of the water project or activity. Please provide a description of the water supply source to be utilized, or the water body to be affected by, the water activity. This should include a description of applicable water rights, and water rights issues, and the name/location of water bodies affected by the water activity.

We obtain all of our water rights with the Animas River as the single source. The majority of the water rights are from the 1880's to the 1920's, with additional water from the 1920's to 2005.

2. Please provide a brief narrative of any related studies or permitting issues.

There are no permitting issues or requirements.

3. Statement of Work, Detailed Budget, and Project Schedule

The statement of work will form the basis for the contract between the Applicant and the State of Colorado. In short, the Applicant is agreeing to undertake the work for the compensation outlined in the statement of work and budget, and in return, the State of Colorado is receiving the deliverables/products specified. **Please note that costs incurred prior to execution of a contract or purchase order are not subject to reimbursement.** All WSRA funds are disbursed on a reimbursement basis after review invoices and appropriate backup material.

Please provide a detailed statement of work using the template in Exhibit A. Additional sections or modifications may be included as necessary. Please define all acronyms and include page numbers.

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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.

PAYMENT

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

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

Signature of Applicant:



Print Applicant's Name: Cecilia Whitaker, AVD&WC Secretary

Return an electronic version (hardcopy may also be submitted) of this application to:

Craig Godbout – WSRA Application
Colorado Water Conservation Board
1580 Logan Street, Suite 200
Denver, CO 80203
craig.godbout@state.co.us

Exhibit A
Statement of Work

WATER ACTIVITY NAME - Animas Valley Ditch & Water Co. Emergency Repair

GRANT RECIPIENT – Animas Valley Ditch & Water Company (AVD&WC)

FUNDING SOURCE - Proposed cost sharing/funding requests:

Southwest Water Conservation District = \$30,000 (requested)

Southwest Basin Roundtable = \$30,000 (requested)

AVD&WC = \$30,000 - \$40,000 (and in-kind services related to project management and design)

INTRODUCTION AND BACKGROUND

The purpose of this project is to repair the serious damage to the Animas Valley Ditch that occurred as a result of the severe thunder/hail storms that occurred on Sept 18 and 22, 2013, in the Animas Valley. Significant debris flow filled in and/or damaged approximately 2 miles of the ditch.

The Animas Valley Ditch (also known as the Reid Ditch) is approximately 13 miles long (from Baker's Bridge to the section line at the old Kroeger property), 8 feet wide and 6-8 feet deep. The water level is run at 2.5 feet deep (as according to the original decree from 1880). The ditch company has an established right-of-way and access for annual cleaning and routine maintenance.

We also have the right to place the debris spoils on adjacent properties. A majority of the spoils in this project will be placed on-site. Some spoils will have to be removed where larger volumes of flood debris accumulated. The ditch company will be responsible for finding suitable locations for any material that needs to be hauled off.

The project extent is from the 2000 block to the 4100 block of County Road 2500. In the affected 2 mile stretch the ditch is filled with debris varying from 2 foot deep to completely filled to the 6-8 foot level.

OBJECTIVES

The scope of work will entail removal of all flood debris, mud and rock with a track-hoe and two dozers. This aspect of the project will be bid out to multiple local excavation companies for competitive bids. The scope will include removal and stockpiling of material. Some of the material will be reused to restore sections of the damaged ditch bank, and to fortify areas to protect private residences. The remaining material will be hauled away. Tony Ganzerla, Ditch President, and Butch Knowlton, Ditch Board Member, will oversee the whole process, including removal and reconstruction. Both these individuals have been overseeing this ditch and its maintenance for 40 years. They are also responsible for finding locations for the excess material.

TASKS

TASK 1 – Removal of Material from Ditch & Restoration of Banks

Description of Task

Removal of all flood debris, mud and rock (estimated at 9400 cy) with heavy equipment

Method/Procedure

Removal of all flood debris, mud and rock with large track-hoe and small dozers

Deliverable

Remove flood debris, fortify down slope ditch bank to protect homes and structures which are subject to future flood events, re-establish irrigation water to shareholders

TASK 2 – Rebuild Ditch Banks

Description of Task

Using stockpiled material, rebuild down slope bank to protect homes and structures that may be impacted by further flood events

Method/Procedure

Using stockpiled material and heavy equipment, rebuild ditch banks

Deliverable

Ditch banks rebuilt to proper height for water delivery and flood protection

TASK 3 – Haul Away Remaining Spoil Material

Description of Task

Haul away remaining spoils material. In high flood prone areas use debris/spoils to direct future flood water areas into areas that won't affect homes and structures

Method/Procedure

The most efficient method will be the use of larger track-hoe and small dozers. The long reach of the track-hoe allows the hoe to sit on the ditch bank and dip materials from the ditch dozers that push and level the spoils on the bank.

Deliverable

Spoils piles dispersed among ditch shareholders

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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.

Total Costs				
	Labor & Equipment	Other Direct Costs	Matching Funds (If Applicable)	Total Project Costs
Task 1 – Remove materials	\$3000/day			\$54,000 ¹
Task 2 – Rebuild banks	\$3000/day			\$21,000 ²
Task 3 – Haul away spoils	\$75/hr			\$23,500 ³
In-Kind Contributions	Project management			\$ 0
Total Costs:				\$98,500

¹ Equipment = \$300/hr (1 track-hoe; 2 dozers; incl. operators) x 10 hr/day x 18 days

² Equipment = \$300/hr (1 track-hoe; 2 dozers; incl. operators) x 10 hr/day x 7days

³ Equipment = \$75/hr (10 cy dump truck, incl. operator) x 313 loads (approx)

Titles

Project Personnel: Hourly Rate:	Project Manager \$25.00	Project Engineer \$25.00	Clerical \$15.00		Total Costs
Task 1 – Remove materials	Tony Ganzerla	Butch Knowlton	Cecilia Whitaker		
Task 2 – Rebuild banks	Tony Ganzerla	Butch Knowlton	Cecilia Whitaker		
Task 3 – Haul away spoils	Tony Ganzerla	Butch Knowlton	Cecilia Whitaker		
In-kind Contributions	100%	100%	100%		
Total Hours:	90	90	50		
Cost:	\$2250	\$2250	\$750		\$5250

SCHEDULE

Provide a project schedule including key milestones for each task and the completion dates or time period from the Notice to Proceed (NTP). This dating method allows flexibility in the event of potential delays from the procurement process. Sample schedules are provided below. Please note that these schedules are examples and will need to be adapted to fit each individual application.

Example 1

Task	Start Date	Finish Date
1	Upon NTP	NTP + 18 days
2	Upon NTP	NTP + 25 days
3	Upon NTP	NTP + 30 days

NTP = Notice to Proceed

Revised October 2013

The project is located west of and adjacent to County Road 250, from approximately the 2000 block to the 4100 block. The map below shows the approximate 2 mile stretch of the project extent. The largest area of ditch damage (completely filled in) is at the property identified in the map and just south of this property.



EXHIBIT C. Photos of Project Site



Mud filled ditch adjacent to County Road 250



4 feet of mud and rock in ditch; ditch protected private property in this case



Buried ditch crossing – ditch completely filled and took out private ditch bridge



Private headgate totally buried in debris



Debris filled in and overflowed ditch



County crews clearing road after 12 feet of debris flowed across on Sept. 18, 2013.