

Last Updated: November 2018

Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as “project”) funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Water Storage Projects
Conservation, Land Use Planning
Engagement & Innovation Activities
Agricultural Projects
Environmental & Recreation
Projects

Anna.Mauss@state.co.us
Kevin.Reidy@state.co.us
Ben.Wade@state.co.us
Alexander.Funk@state.co.us
Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to

waterplan.grants@state.co.us

in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	Mancos Water Conservancy District - Water Activity Enterprise	
Name of Water Project	JACKSON GULCH INLET 2019 IMPROVEMENT PROJECT	
CWP Grant Request Amount	\$151,000	
Other Funding Sources <u>Southwest Basin Roundtable</u>	\$ 25,000	
Other Funding Sources _____	\$	
Other Funding Sources _____	\$	
Applicant Funding Contribution	\$175,505 +	
Total Project Cost	\$351,505	



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Applicant & Grantee Information	
Name of Grantee(s)	Mancos Water Conservancy District - Water Activity Enterprise
Mailing Address	42599 Road N, Mancos, CO 81328
FEIN	84-0521460
Organization Contact	Gary Kennedy
Position/Title	Superintendent
Email	gary.mwcd@gmail.com
Phone	970-533-7325
Grant Management Contact	Gary Kennedy
Position/Title	Superintendent
Email	gary.mwcd@gmail.com
Phone	970-533-7325
Name of Applicant (if different than grantee)	N/A
Mailing Address	
Position/Title	
Email	
Phone	
Description of Grantee/Applicant	
Provide a brief description of the grantee's organization (100 words or less).	
<p>The Mancos Water Conservancy District - Water Activity Enterprise was established December 10, 1993 pursuant to C.R.S., §37-45.1-101 <u>et seq.</u> The District operates and maintains the Jackson Gulch inlet canal. Capacity is 258 c.f.s. supplies water to Jackson Gulch Reservoir and 253 water users, 8,000 + acres of irrigable lands and 3 municipalities.</p>	

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Type of Eligible Entity (check one)	
	Public (Government): Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
X	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: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes .

Type of Water Project (check all that apply)	
	Study
X	Construction
X	Identified Projects and Processes (IPP)
	Other

Category of Water Project (check the primary category that applies and include relevant tasks)		
	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. <i>Applicable Exhibit A Task(s):</i>	
	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s):</i>	
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. <i>Applicable Exhibit A Task(s):</i>	
X	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>	
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>	
	Other	Explain:

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Location of Water Project

Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.

County/Counties	Montezuma
Latitude	37.409
Longitude	-108.258

Water Project Overview

Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain.
The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.

70 year old concrete Drop Chute and Stilling Basin

The purpose of this project is to install approximately 535 linear feet of 42-inch diameter DR 17 HDPE pipe and fully encase the pipe in concrete following installation in the existing inlet channel. The project will also construct new stilling basin walls for the inlet as well as install new fence above the stilling basin.

The project is relatively short, about 535 linear feet, consisting primarily of a concrete drop chute. The concrete chute structure is subjected to groundwater seepage and leakage that has created a potentially damaging condition. It has been a source of constant anxiety to the District because it is uncovered and is adjacent to a public roadway. Over the years, there have been numerous instances of trespass by local youths for the purpose of "shooting the chute." This presents a safety hazard of major proportion.

Any funds will go directly to the construction of this project. The project is scheduled to go out for bid in May 2019

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Measurable Results		
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:		
	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
535	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Quantity of Water Shared through Alternative Transfer Mechanisms	
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
TBD	Number of Coloradans Impacted by Engagement Activity	
	Other	Explain:

Water Project Justification
<p>Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).</p> <p>The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)</p>
<p>This project is identified in the Southwest IPP list under the Mancos river basin as "17M – Jackson Gulch Drop Chute Pipe"</p> <p>This Project is off river with no increase or change while optimizing existing water rights. The need for piping is to secure the water source for Jackson Gulch Reservoir, which provides supplemental irrigation water for 13,000 acres owned by 253 ranchers/farmers, secure a water source for the Mesa Verde National Park, Town of Mancos and the Mancos Rural Water Company as well as enhance recreation (camping, fishing, boating) and wild life habitat . It will also provide protection for private property and provide safety to the public.</p> <p>Goals of the Colorado Water Plan (CWP) that are in line with the MWCD Jackson Gulch Inlet 2019 Improvement Project:</p> <p>1. Colorado's Water Plan promotes statewide cooperation for water supply planning through protecting Colorado's ability to fully develop compact entitlements...Colorado will focus planning efforts on maintaining healthy systems and avoiding a Colorado River Compact deficit, rather than focusing on its response to compact curtailment (p.8-3, CWP).</p>

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- 2. Encourage multi-partner, multipurpose, cooperative projects through financial incentives and technical support (p.8-3, CWP).**
- 3. Project proponents that demonstrate a commitment to collaboration through involving multiple participants and consulting with a broad set of local stakeholders and local governments before or early in the regulatory process (p. 9-43 & 9-44, CWP).**
- 4. Project proponents demonstrate sustainability through avoiding adverse effects to environmental and recreational interests, mitigating economic and social impacts on agricultural and rural communities, and maximizing the use of water resources through firming the yield of existing supplies, and improving or modernizing aging infrastructure (p.9-44, CWP).**
- 5. Maintain agricultural viability, which will maintain Colorado's agricultural productivity, support rural economies, and food security through grants, loans, and technical support to update and improve Colorado's aging infrastructure for long-term maintenance needs, especially where improvements provide multiple benefits (p.10-10, CWP).**
- 6. Enhance environmental and recreational economic values through near-term projects and methods that support economically important water-based recreation, consider the net environmental benefit, and evaluate the water quality impacts of water quantity management approaches (p.10-12, CWP).**

Several subcategories identified in the Statewide Water Supply Initiative 2010 (SWSI) that are in line with the MWCD Jackson Gulch Inlet 2019 Improvement Project:

- 1. Meet agricultural demands (p.ES-28, SWSI).**
- 2. Meet M&I demands (p.ES-28, SWSI).**
- 3. Optimize existing and future water supplies by: maximizing use of existing and new in-basin supplies (p.ES-28, SWSI).**
- 4. Promote cost-effectiveness by: providing viable financing mechanisms, including local, state, and federal funding/financing (p.ES-28, SWSI).**
- 5. Protect cultural values by maintaining open space (p.ES-28, SWSI).**
- 6. Provide operational flexibility and coordinated infrastructure (p.ES-28, SWSI).**
- 7. Comply with all applicable laws and regulations, meet all applicable compact obligations, and protect water rights including the right of water right owners to market their water, while recognizing some institutional changes may be needed to implement certain strategies (p.ES-28, SWSI).**

Goals of the Southwest Basin Roundtable Basin Implementation Plan (BIP) that are in line with the MWCD Jackson Gulch Inlet 2019 Improvement Project include the following:

- 1. Balance all needs and reduce conflict: Supporting specific and unique new IPPs including, but not limited to environmental, agricultural, and compact compliance needs (p.11 & 12, BIP).**
- 2. Implement multi-purpose IPPs (including the creative management of existing facilities and the development of new storage as needed). (p.12, BIP).**
- 3. Meet recreational and environmental water needs (p.11, BIP).**
- 4. Maintain watershed health by protecting and/or restoring watersheds that could affect critical infrastructure and/or environmental and recreational areas (p.12, BIP).**
- 5. Maintain agriculture water needs: Implement efficiency measures to maximize beneficial use and production – Implement projects in order to help preserve agriculture and open space values, and to help address municipal, environmental, recreational, and industrial needs...Implement strategies that encourage continued agricultural use and discourage permanent dry-up of agricultural lands (p.11 & 13, BIP).**
- 6. Plan and preserve water supply options for all existing and new uses and values. Promote dialogue, foster cooperation and resolve conflict among water interests in every basin and between basins for the purpose of implementing solutions to Southwest Colorado and the entire state of Colorado's water supply challenges (p.11 & 18, BIP).**



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7. **Protect, maintain, monitor and improve the condition and natural function of streams, lakes, wetlands, and riparian areas to promote self-sustaining fisheries, and to support native species and functional habitat in the long term, and adapt to changing conditions (p.16, BIP).**
8. **Maintain, protect and enhance recreational values and economic values to local and statewide economies derived from recreational water uses, such as fishing and boating, among others (p.15, BIP).**
9. **Comply with Colorado River Compact and manage risk: Preserve Southwest Basin's ability to develop Colorado River compact entitlement to meet our water supply gaps, and protect 100% of pre-compact water rights in the Southwest Basin Area (p.11 & 18, BIP).**
10. **Recognize and uphold the unique settlement of tribal reserved water rights claims in the 1988 Tribal Water Rights Settlement and the 1991 Consent Decree. (SWCD Statement of Importance) (p>18,BIP).**

The MWCD Jackson Gulch Inlet 2019 Improvement Project (Project) is in line with the goals and findings listed above in the CWP, SWSI and BIP:

The Project is a specific and unique multi-purpose project (new IPP) that will address multiple consumptive and non-consumptive needs Mancos Valley and within the Mancos River watershed. The Project will protect pre-Compact water rights entitlement by rehabilitating the Diversion Structure allowing for reliable delivery of pre-Compact water rights through the Jackson Gulch Inlet Canal.

The Project will promote sustainability and watershed health through improving aging infrastructure that maintains open space and provides recreational opportunities throughout Montezuma County. More specifically, the Project increase the reliability of water supply to the Jackson Gulch Reservoir, which is an important State Park recreational area including camping, fishing, non-motorized boating, motorized boating, Horse riding, hiking, with connection to the Colorado trail and wildlife viewing. Rehabilitation of the drop chute Structure firms up agricultural irrigation supply and promotes agricultural viability and productivity, as well as providing increased drought resistance for the Mancos Valley during dry years.

Water Project Justification This is one more stage of the 2004 Jackson gulch rehabilitation project. With the completion of this project the flow to Jackson Gulch Reservoir will be restored to designed capacity (258 cfs), and when finished will save approximately 20% water loss from seepage and evaporation per year.

Non-consumptive environmental and recreational needs are provided by the flows from the Inlet canal that provides the needed water for storage in Jackson Gulch Reservoir and is an important state park recreation area.

The MWCD is prepared to provide the funds to pay for that amount that is not covered by this grant request to the CWCB and Southwest Round table. The Project will promote cost-effectiveness by providing viable financing mechanisms, including local, and state funding and financing.

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Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

February 2004
Jackson Gulch Inlet Canal Rehabilitation Project
Condition Assessment and Recommendations for Rehabilitation
Prepared by Buckhorn Geotech, Inc. for Mancos Water Conservancy District Jackson Gulch Reservoir
42888 County Road N Mancos, Colorado 81328
Board of Directors: President: Todd Sehnert Vice President: Paul Smith Secretary: Marcus Colbert Dee
Graf Gerald Wittwer, Superintendent: Gary Kennedy

Previous CWCB Grants, Loans or Other Funding

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.

- 1) 1) Applicant / Contractor Name; Mancos Water Conservancy District,
2) Rehabilitation / Construction, 3) – N/A, 4) Board Meeting Date; Nov. 26,2002,
5) Contract / PO #; CT2015-036, C150120, 6) – N/A.
Water District 34, County Montezuma, CWCB Water Project Loan Program
- 2) 1) Applicant; Mancos Water Conservancy District,
2) Jackson Gulch Reservoir Expansion Project, 3) Basin Roundtable; Southwest,
4) Board Meeting Date; 9/19/2007, (5) Contract/PO #; 0800000000076, 6) – N/A.
Account Source; Statewide,

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Taxpayer Bill of Rights	
The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.	
N/A	

Submittal Checklist	
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract .
Exhibit A	
X	Statement of Work ⁽¹⁾
X	Budget & Schedule ⁽¹⁾
X	Engineer's statement of probable cost (projects over \$100,000)
N/A	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
X	Map (if applicable) ⁽¹⁾
X	Photos/Drawings/Reports
N/A	Letters of Support (Optional)
X	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
X	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
	W-9 ⁽²⁾
N/A	Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
N/A	Engagement & Innovation Supplemental Application ⁽¹⁾

(1) Required with application.

(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

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Exhibit A Statement of Work

Budget & Schedule - *see attached spreadsheet

Letters of Matching

Colorado Water Conservation Board
Water Plan Grant - Exhibit A

Statement Of Work	
Date:	
Name of Grantee:	Mancos Water Conservancy District - Water Activity Enterprise
Name of Water Project:	JACKSON GULCH INLET 2019 IMPROVEMENT PROJECT
Funding Source:	WATER PLAN GRANT/SOUTHWEST ROUND TABLE/DISTRICT
Water Project Overview:	
<p>Owner: Mancos Water Conservancy District - Water Activity Enterprise, 42599 Road N, Mancos, CO 81328</p> <p>Engineer: DOWL, LLC 222 South Park, Montrose, CO 81401</p> <p>Location: Mancos Water Conservancy District, 42599 Road N, Mancos, Colorado 81328</p> <p>The purpose of this project is to install approximately 535 linear feet of 42-inch diameter DR 17 HDPE pipe and fully encase the pipe in concrete following installation in the existing inlet channel. The project will also construct new stilling basin walls for the inlet as well as install new fence above the stilling basin.</p> <p>Anticipated project start is September 2, 2019, with substantial completion November 15, 2019, and Final Completion November 29, 2019.</p> <p>The Mancos Water Conservancy District is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, creed, color, national origin, sex, marital status, religion, ancestry, mental or physical handicap, or age.</p>	

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Project Objectives:

Rehabilitate the Inlet drop chute to insure its continued water flow delivery into the future.

Tasks

Task 1 – JACKSON GULCH INLET 2019 IMPROVEMENT PROJECT

Description of Task:

Install approximately 535 linear feet of 42-inch diameter DR 17 HDPE pipe.
Fully encase the pipe in concrete following installation in the existing inlet channel.
Construct new stilling basin walls for the inlet.
Install new fence above the stilling basin.

Method/Procedure:

SEE PROJECT CONSTRUCTION DESIGN AND NOTES IN EXHIBIT C

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Tasks
<p>Deliverable:</p> <p>Detailed letter on the construction activities of the Project that were accomplished. The contents of this detailed letter will be in the final report, as well as:</p> <ul style="list-style-type: none"> • Summary of project and how the project was completed. • Description of any obstacles encountered, and how these obstacles were overcome. • Confirmation that all matching commitments have been fulfilled. • Photographs, summaries of meetings and engineering reports/designs. <p>The applicant shall provide the CWCB a progress report every 6 weeks, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work.</p>

Budget and Schedule
<p>This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.</p>

Reporting Requirements
<p>Progress Reports: The applicant shall provide the CWCB a progress report every 6 weeks, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work.</p>
<p>Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:</p> <ul style="list-style-type: none"> • Summarizes the project and how the project was completed. • Confirms that all matching commitments have been fulfilled. • Includes photographs, summaries of engineering reports/designs. <p>The CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.</p>

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Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received.

Performance Measures

Performance measures for this contract shall include the following:

- (a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit A. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.
- (b) Accountability: Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be submitted at least once every 6 weeks. A Final Report must be submitted and approved before final project payment.
- (c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.
- (d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.

JACKSON GULCH INLET REHABILITATION :	
	Estimated costs
Drop Chute / Stilling Bason	\$ 351,505.00
	\$ 151,000.00
	\$ 25,000.00
	\$ 175,505.00
	\$ 351,505.00
TOTAL REHAB. BUDGET	\$ 351,505.00

2019 IMPROVEMENTS PROJECT BUDGET

install 42" pipe and place new stilling bason walls

CWCB WATER PLAN GRANT	43.0%
SOUTHWEST ROUND TABLE GRANT	7.0%
MWCD-WATER ACTIVITY ENTERPRISE	50.0%
Total Consolidation	

Cost estimates based on report from
DOWL Engineering DATED 1/9/2019.

43%

7%

50%



Mancos Water Conservancy District

Jackson Gulch Reservoir

Office of Superintendent

Gary Kennedy
42599 County Road N
Mancos, Colorado 81328
(970) 533-7325
gary.mwcd@gmail.com

January 18, 2019

Colorado Water Conservation Board
Rebecca Mitchell, Director
1313 Sherman St., Room 718
Denver, CO 80203

Re: Water Plan Grant for the Jackson Gulch Inlet 2019 Improvement Project.

Dear Ms. Mitchell:

The Mancos Water Conservancy District and the Mancos Water Conservancy District Water Activity Enterprise would like to submit this application for the Water Plan Grant process.

The grant request is for our 2019 Jackson Gulch Inlet Improvement Project. This is a continuance of the overall rehabilitation project that the District started in 2004. To date, MWCD has spent over three million +/- to insure the future of the canals. In order to do that, we secured a loan from CWCB to pay what we could not fund. As we continue with the remaining canal work, additional grant assistance will enable us to finish the remaining work without putting unnecessary financial burden on the water users and before emergency measures must be taken. The outlet canal to follow as funds become available.

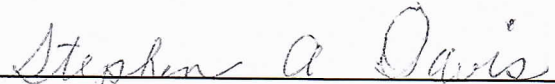
The District has funded the engineering in full. The engineer's estimate is \$351,505. The District has included this in our 2019 budget with plans to have the inlet canal project completed this fall.

We are asking for your assistance in a grant of \$151,000. The application is included.

We are also going to submit a grant application to the Southwest Basin Roundtable for \$25,000.

The District is prepared to pay the balance of the total cost of \$175,505. Our superintendent, Gary Kennedy will work with you and your staff to answer any questions and provide additional information if needed.

Thank you for your consideration,


Stephen A. Davis, President

CC: Mike Preston, Southwest Roundtable Chairman, Alexander Funk, Agricultural Projects Grants