

Outdoor Heritage Fund Grant Application



The purpose of the North Dakota Outdoor Heritage Fund is to provide funding to state agencies, tribal governments, political subdivisions, and nonprofit organizations to:

Directive A. Provide access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

Directive B. Improve, maintain, and restore water quality, soil conditions, plant diversity, animal systems and to support other practices of stewardship to enhance farming and ranching;

Directive C. Develop, enhance, conserve, and restore wildlife and fish habitat on private and public lands; and

Directive D. Conserve natural areas for recreation through the establishment and development of parks and other recreation areas.

Exemptions

Outdoor Heritage Fund grants may not be used to finance the following:

- A. Litigation;
- B. Lobbying activities;
- C. Any activity that would interfere, disrupt, or prevent activities associated with surface coal mining operations; sand, gravel, or scoria extraction activities; oil and gas operations; or other energy facility or infrastructure development;
- D. The acquisition of land or to encumber any land for a term longer than twenty years; or
- E. Projects outside this state or projects that are beyond the scope of defined activities that fulfill the purposes of Chapter 54-17.8 of the North Dakota Century Code

NO CONSIDERATION:

In addition to those specific items in law that are ineligible for funding, in the absence of exceptional circumstances, the following projects will NOT receive consideration for funding:

- Projects that are already completed;
- Projects that are on-going (Phased projects would be considered);
- Staffing;
- Feasibility studies;
- Annual maintenance;
- Paving projects for roads and parking lots;
- Swimming pools;
- Non-permanent equipment (such as tractors, snowmobiles);
- Research;
- Projects where the applicant is not directly involved in the project.

Application Deadline

Applications for the second grant round cycle are due on **April 1, 2015 at 5:00 p.m. CT.** All information, including attachments, must be submitted by that date. See instructions below for submission information.

Instructions

Please download this Word document (available on the Industrial Commission/Outdoor Heritage Fund Program website at <http://www.nd.gov/ndic/outdoor-infopage.htm>) to your computer and provide the information as requested. You are not limited to the spacing provided except in those instances where there is a limit on the number of words. After completing the application, save it and attach it to an e-mail and send it to outdoorheritage@nd.gov or print it and mail it to the address noted in the next paragraph.

Attachments in support of your application may be sent by mail to North Dakota Industrial Commission, ATTN: Outdoor Heritage Fund Program, State Capitol – Fourteenth Floor, 600 East Boulevard Ave. Dept. 405, Bismarck, ND 58505 or by e-mail to outdoorheritage@nd.gov. The application and all attachments must be received or postmarked by the application deadline. You will be sent a confirmation by e-mail of receipt of your application.

You may submit your application at any time prior to the application deadline. Early submission is appreciated and encouraged to allow adequate time to review your application and ensure that all required information has been included. Incomplete applications may not be considered for funding. **Any item noted with an * is required.**

Oral Presentation. Please note that you will be given an opportunity to make a ten-minute Oral Presentation at a meeting of the Outdoor Heritage Fund Advisory Board. These presentations are strongly encouraged.

Open Record. Please note that your application and any attachments will be open records as defined by law and will be posted on the Industrial Commission/Outdoor Heritage Fund website.

Name of Organization * *Joint Big Coulee Dam Operation and Maintenance Committee*

Federal Tax ID# * *45-0371540*

Contact Person/Title * *Kelly Bursinger, Chairman*
Randy Benson, Alternate Contact

Address * *P.O. Box 188*

City * *Bisbee*

State * *North Dakota*

Zip Code * *58317*

E-mail Address * kelly.bursinger@dacotahbank.com
randybenson55@yahoo.com

Web Site Address (Optional)

Phone * *Kelly Bursinger: (701) 477-3175 (w), (701)-228-8115 (c)*
Randy Benson: (701) 656-3505 (h), (701) 741-1437 (c)

Fax # (if available)

List names of co-applicants if this is a joint proposal

MAJOR Directive: (select the Directive that best describes your grant request)*
Choose only one response

Directive A. *Provide access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;*

Directive B. Improve, maintain, and restore water quality, soil conditions, plant diversity, animal systems and to support other practices of stewardship to enhance farming and ranching;

Directive C. Develop, enhance, conserve, and restore wildlife and fish habitat on private and public lands; and

Directive D. Conserve natural areas for recreation through the establishment and development of parks and other recreation areas.

Additional Directive: (select the directives that also apply to the grant application purpose)*

Choose all that apply

Directive A. Provide access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

Directive B. Improve, maintain, and restore water quality, soil conditions, plant diversity, animal systems and to support other practices of stewardship to enhance farming and ranching;

Directive C. Develop, enhance, conserve, and restore wildlife and fish habitat on private and public lands; and

Directive D. Conserve natural areas for recreation through the establishment and development of parks and other recreation areas.

Type of organization: (select the category that describes your organization)*

State Agency

Political Subdivision

Tribal Entity

Tax-exempt, nonprofit corporation.

Project Name*

Big Coulee Dam Repair

Abstract/Executive Summary. An Executive Summary of the project stating its objectives, expected results, duration, total project costs and participants.* (no more than 500 words)

Big Coulee Dam was initially constructed in 1968 and modified in 1988 to serve as a water supply source for the City of Bisbee (City) and to provide flood reduction benefits to the downstream area, recreation benefits to the surrounding region, and serve as a storage area to aid in the reduction of water entering Devils Lake. It is owned by the City of Bisbee who currently uses the dam as an emergency backup water supply.

In December of 2013, a letter to the City from the North Dakota State Water Commission highlighted ongoing issues with the outlet works of the dam that presented a significant dam safety hazard. The letter urged the City of Bisbee to correct the issues as soon as practical. The Towner County Water Resource, Towner County Commission, and the city formed an entity (Joint Committee) to pursue the work through pooled resources.

The Joint Committee conducted a feasibility study to assess options for fixing the issue and assuring the dam meets current dam safety criteria. The study was completed at the end of

2014 and recommended a repair to the principal spillway structure and an upgrade to the emergency spillway at a total cost of \$1.8M.

The fishing resource at the reservoir has been recognized by the North Dakota Game and Fish Department as a valuable resource by providing funding to preserve the facility. Pike, walleye, perch, bluegill, and crappie are present in the reservoir and it provides for both summer and ice fishing. It has over 200 acres of surface area and 9.9 miles of shoreline with an average depth of almost 10 feet and a maximum depth of 28 feet. It is used by the local community extensively including an annual Father's Day fishing day for local youth.

The project is expected to be designed once funding is secured in 2015 and constructed in either late 2015 or early 2016. The North Dakota State Water Commission is considering funding the construction of the project at a 75% cost share rate and the engineering at a 35% rate. That cost share is subject to reduction based on any grant provided by the Outdoor Heritage Fund. The project is being sponsored by the Joint Committee.

Once completed, the project will preserve the original purposes and benefits the dam provides including water based recreation for the region, flood reduction, flood storage, and emergency water supply.

Project Duration:*

The feasibility study for the repair has been completed. The design and construction of the project are expected to occur throughout 2015 and possibly into 2016. The project will be complete by no later than the end of 2016.

Amount of Grant request \$ *

\$667,048

Total Project Costs \$*

(Note that in-kind and indirect costs can be used for matching funds)

\$1,751,616

A minimum of 25% Match Funding is strongly encouraged. Amount of Matching Funds \$*

Please indicate if the matching funds will be in-kind, indirect or cash.

Cash

Source(s) of Matching Funds*

Please provide verification that these matching funds are available for your project.

North Dakota State Water Commission - \$862,218 (subject to reduction subsequent to any grant award by the Outdoor Heritage Fund)

Towner County WRD, City of Bisbee, Towner County Commission - \$222,350. Sources of these funds would be county and city level taxes.

Certifications *

✓ I certify that this application has been made with the support of the governing body and chief executive of my organization.

✓ I certify that if awarded grant funding none of the funding will be used for any of the exemptions noted on Page 1 of this application.

Narrative

Organization Information – Briefly summarize your organization’s history, mission, current programs and activities. *

Include an overview of your organizational structure, including board, staff and volunteer involvement. (no more than 300 words)

The Joint Bisbee Dam Operations Committee is comprised of 3 organizations with representatives from each serving as the governing body: City of Bisbee, Towner County Water Resource District, and Towner County Commission. It was formed in 2014 for the purpose of operating and maintaining Big Coulee Dam near Bisbee, ND, and in particular to facilitate the repair of the outlet works. The mayor of Bisbee is the chairman. There is no staff employed by the committee.

Purpose of Grant – Describe the proposed project identifying how the project will meet the specific directive(s) of the Outdoor Heritage Fund Program *

Identify project goals, strategies and benefits and your timetable for implementation. Include information about the need for the project and whether there is urgency for funding. Please indicate if this is a new project or if it is replacing funding that is no longer available to your organization. Identify any innovative features or processes of your project.

The project will repair the existing outlet works at Big Coulee Dam near Bisbee, ND. In doing so, it will preserve and extend the life of the dam and subsequently the reservoir behind the dam. Without the repairs, the remaining viable option is to decommission the dam and thus the reservoir. In extending the life of the reservoir behind the dam, the project will continue to provide high quality recreation opportunities for the region surrounding the dam. Included in the recreation opportunities are fishing, boating, swimming, and other water based recreation. The dam and reservoir will continue to provide flood reduction benefits, flood storage benefits by reducing water entering Devils Lake, and emergency water supply benefits.

The fishing resource at the reservoir has been recognized by the North Dakota Game and Fish Department as a valuable resource by providing funding to preserve the facility. Pike, walleye, perch, bluegill, and crappie are present in the reservoir and it provides for both

summer and ice fishing. It has over 200 acres of surface area and 9.9 miles of shoreline with an average depth of almost 10 feet and a maximum depth of 28 feet. It is used by the local community extensively including an annual Father's Day fishing day for local youth.

A feasibility study has been conducted and a repair alternative identified along with a cost estimate for the project. It is anticipated the final design will be complete in 2015 and the repairs implemented in 2016. Cost share will be provided in part by the North Dakota State Water Commission at a rate of 75% of the construction costs. Funding from the Outdoor Heritage Fund would supplement that cost share to aid in providing the local 25% cost share. Those funds are subject reduction subsequent to any grant award by the Outdoor Heritage Fund.

Management of Project – Provide a description of how you will manage and oversee the project to ensure it is carried out on schedule and in a manner that best ensures its objectives will be met.*

Include a brief background and work experience for those managing the project.

The Joint Committee will manage the project and make financial decisions as necessary to assure the objectives are met. The Joint Committee will engage an engineering consultant to provide design and construction management services to ensure the project meets objectives and schedules. Contractual requirements with the consultant and subsequently, the construction contractor, will provide for timelines and scheduling deadlines. The engineering consultant has extensive experience in design and construction management that will meet the budget and time schedule.

Evaluation – Describe your plan to document progress and results. *

How will you tell if the project is successful? Please be specific on the methods you will utilize to measure success. Note that regular reporting, final evaluation and expenditure reports will be required for every grant awarded.

The engineering consultant described above will provide significant input into progress reports. Project milestones will be part of the contract with the consultant and will include deadlines for submitting progress reports as required by this grant. In particular, deadlines will be set to complete the design and bid documents, and to initiate construction. Within the construction contract, performance time for the construction contractor will be set with liquidated damages enforced as a deterrent should the construction extend beyond the deadline.

Financial Information

ATTACHMENT: Project Budget – Using the standard project budget format that is available on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm> , please include a detailed total project budget that specifically outlines all the funds you are requesting. Note that a minimum of 25% match funding is strongly encouraged.*

The project budget should identify all matching funds, funding sources and indicate whether the matching funds are in the form of cash or in-kind services. As noted on the standard project budget format, certain values have been identified for in-kind services. Please utilize these values in identifying your matching funds. **NOTE: No indirect costs will be funded.**

*I certify that a project budget will be sent to the Commission**

Sustainability – Indicate how the project will be funded or sustained in future years. *

Include *information* on the sustainability of this project after all the funding from the Outdoor Heritage Fund has been expended and whether the sustainability will be in the form of ongoing management or additional funding from a different source.

In completing the repairs to Big Coulee Dam, the life of the structure will be extended far out into the future. Sustainability of this project will be in the form of ongoing operation and maintenance of the dam once the outlet works are repaired. Funding of those efforts will be satisfied through the City of Bisbee and the Towner County Water Resource District. It is anticipated the future funding requirements will be minimal.

Partial Funding – Indicate how the project will be affected if less funding is available than that requested. *

If full funding is not achieved in the near term, the construction will be delayed, putting the dam and outlet works at risk. Given the current condition of the outlet works, there is a real risk of their failure and as a result, the loss of recreation opportunities, flood control benefits, and water supply benefits.

Partnership Recognition - If you are a successful recipient of Outdoor Heritage Fund dollars, how would you recognize the Outdoor Heritage Fund partnership? *

A plaque will be installed at the entrance to the dam and recreation area recognizing the funding partners for the repair.

Scoring of Grants

All applications will be scored by the Outdoor Heritage Fund Advisory Board after your ten-minute oral presentation. The ranking sheet(s) that will be used by the Board is available on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm> .

Awarding of Grants*

All decisions on requests will be reported to applicants no later than 30 days after Industrial Commission consideration. Applicants whose proposals have been approved will receive a contract outlining the terms and conditions of the grant. Please note the appropriate sample contract for your organization on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm> that set forth the general provisions that will be included in any contract issued by the North Dakota Industrial Commission. Please indicate if you can meet all the provisions of the

sample contract. If there are provisions in that contract that your organization is unable to meet, please indicate below what those provisions would be. *

The Joint Committee is willing and able to meet all of the provisions in the sample contract.

Responsibility of Recipient

The recipient of any grant from the Industrial Commission must use the funds awarded for the specific purpose described in the grant application and in accordance with the contract. The recipient cannot use any of the funds for the purposes stated under Exemptions on the first page of this application.

If you have any questions about the application or have trouble submitting the application, please contact Karlene Fine at 701-328-3722 or kfine@nd.gov

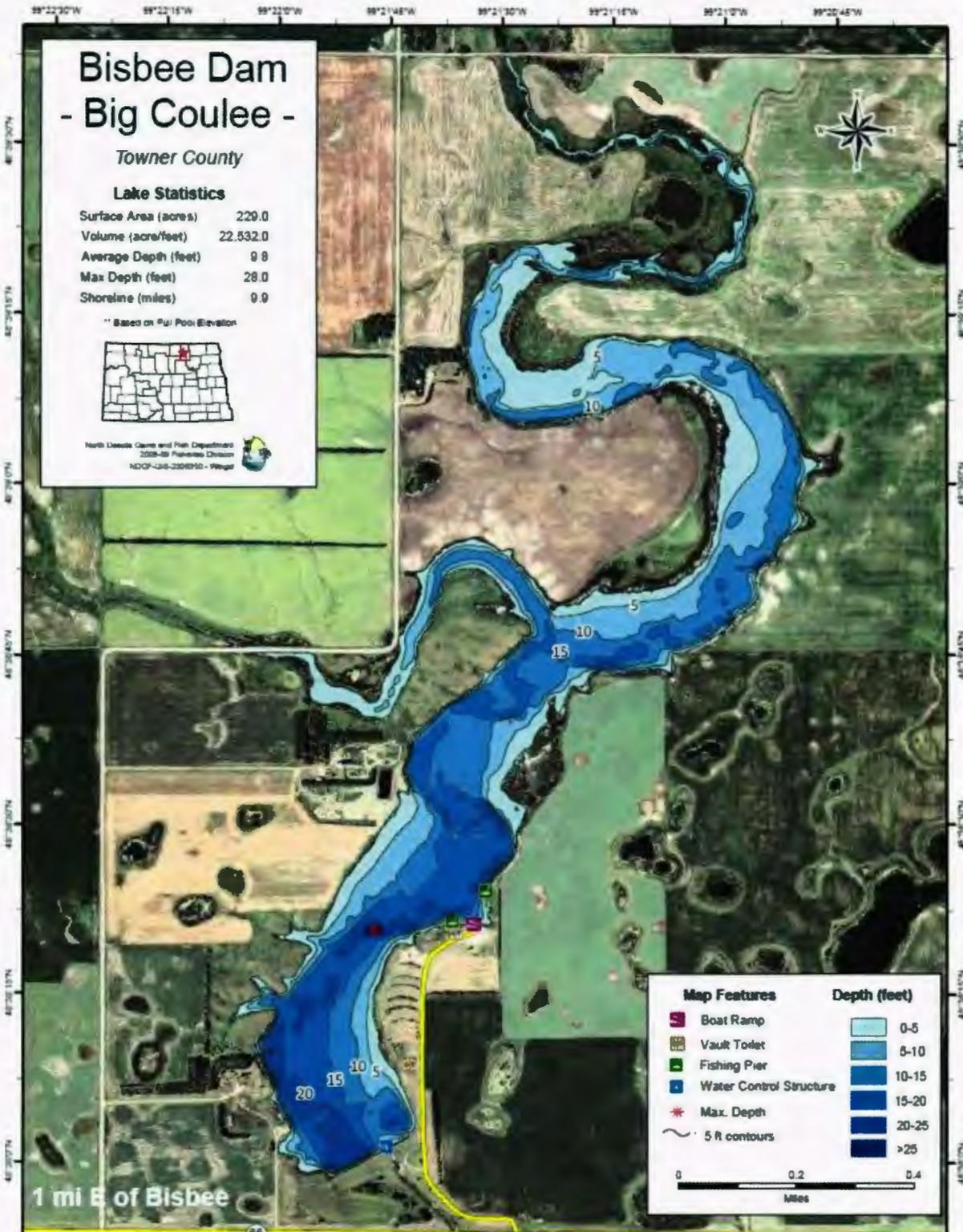
Revised August 21, 2014

Selected photos of the area:





North Dakota Game & Fish Department Graphic:



Budget Standard Form

Please use the table below to provide a detailed total project budget that specifically outlines all the funds you are requesting and the matching funds being utilized to fund this project. Please note if the matching funds are in the form of cash, indirect costs or in-kind services. The budget should identify all other committed funding sources and the amount of funding from each source. Match can come from any source (i.e. private sources, State and Federal funding, Tribal funding, etc.) Note a minimum of 25% match funding is strongly encouraged. An application will be scored higher the greater the amount of match funding provided. (See Scoring Form.)

Please feel free to add columns and rows as needed. Please include narrative to fully explain the proposed budget.

Note that NO INDIRECT COSTS will be funded from the Outdoor Heritage Fund. Also by law several items are ineligible for funding -- see Exemptions in the Application Form. Effective January 29, 2014 the following guidelines were approved by the Industrial Commission:

NO CONSIDERATION:

In addition to those specific items in law that are ineligible for funding, in the absence of exceptional circumstances, the following projects will NOT receive consideration for funding:

- Projects that are already completed;
- Projects that are on-going (Phased projects would be considered);
- Staffing;
- Feasibility studies;
- Annual maintenance;
- Paving projects for roads and parking lots;
- Swimming pools;
- Non-permanent equipment (such as snowmobiles, tractors);
- Research;
- Projects where the applicant is not directly involved in the project.

Project Expense	OHF Request	Applicant's Match Share (Cash)	Applicant's Match Share (In-Kind)	Applicant's Match Share (Indirect)	Other Project Sponsor's Share	Total Each Project Expense
Construction and Const. Eng.	\$467,067	\$155,689	\$	\$	\$792,933	\$1,415,689
Engineering Design	\$118,999	\$39,666	\$	\$	\$69,285	\$227,950
Permitting	\$35,992	\$11,998	\$	\$	\$0	\$47,990
Legal and Admin	\$44,990	\$14,997	\$	\$	\$0	\$59,987
	\$	\$	\$	\$	\$	\$
Total Costs	\$667,048	\$222,350	\$	\$	\$862,218	\$1,751,616

Cost share from the North Dakota State Water Commission (NDSWC) is anticipated in the amount of \$862,218 and will be considered by them at their March 11, 2015 meeting. Their cost share covers 75% of construction costs, 35% of engineering design costs, and 75% of engineering services during construction. They do not cover legal, administrative, or permitting costs. Depending on the level of cost share provided by the Outdoor Heritage Fund, the cost share provided by the NDSWC will be reduced from that shown above. Of the remaining

amount of the estimated project costs, the Joint Committee is asking for 75% from the Outdoor Heritage Fund with the other 25% coming from their own funds. No in-kind services are proposed at this time.

In-kind services used to match the request for Outdoor Heritage Fund dollars shall be valued as follows:

- Labor costs \$15.00 an hour
- Land costs Average rent costs for the county as shown in the most Recent publication of the USDA, National Agricultural Statistics Services, North Dakota Field Office
- Permanent Equipment Any equipment purchased must be listed separately with documentation showing actual cost. (For example: playground equipment)
- Equipment usage Actual documentation
- Seed & Seedlings Actual documentation
- Transportation Mileage at federal rate
- Supplies & materials Actual documentation

More categories will be added as we better understand the types of applications that will be submitted. We will use as our basis for these standards other State and Federal programs that have established rates. For example the North Dakota Nonpoint Source Pollution Management Program has established rates. If your project includes work that has an established rate under another State Program please use those rates and note your source.

Approved by OHF Advisory Board: October 17, 2013
Approved by Industrial Commission: October 22, 2013
Revised by OHF Advisory Board: January 22, 2014
Approved by Industrial Commission: January 29, 2014
Revised by OHF Advisory Board: May 13, 2014
Approved by Industrial Commission: May 27, 2014

Dennis,

I received these numbers from the gal in charge of keeping track of people camping at the dam. We had campers on site from May 23, 2014 to September 29, 2014. Number of campers ranged from 3 to 42 campers on any given weekend with the peak weekend being the 4th of July weekend. This weekend saw 42 campers and 5 tents at the Big Coulee Dam. There are a number of people who come for the day without campers or boaters that show up to tube or fish on the dam. It is estimated that there were in excess of 300 people using the recreation area that weekend.

I hope this along with the prior information helps.

Dennis,

Here are some numbers that I know in relation to the Big Coulee Dam

Father's Day Fishing Derby for the last 5 years had the following numbers of children under the age of 16 participating. This event is attended by children from an estimated 30 mile radius of the Big Coulee Dam.

2010 – 81 kids

2011 – 91 kids

2012 – 94 kids

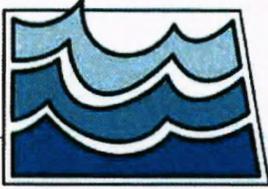
2013 – 96 kids

2014 – 99 kids



Project: Big Coulee Feasibility Study Computed: TLF Date: 12/10/2014
 Subject: ACEE Class 4 Cost Opinion Checked: AL/JB Date: 12/10/2014
 Task: Repair Page: of:
 Job #: 135-232233 No: 1

Bid Item	Description	Quantity	Unit	Lower Bound Unit Cost	Upper Bound Unit Price	Lower Bound Cost	Upper Bound Cost
Division 02 - Existing Conditions and Demo							
1	Clearing and grubbing, stripping topsoil, reclamation of disturbed areas	7	Acre	\$874.40	\$1,311.60	\$ 6,121	\$ 9,181
2	Demo - Low Level Outlet Pipe and Drain Pipes	100	LF	\$13.99	\$16.40	\$ 1,399	\$ 1,640
3	Demo - Manhole and Existing Valves	1	LS	\$753.62	\$874.40	\$ 754	\$ 874
4	Demo - Concrete Drop Inlet Structure	60	LF	\$273.25	\$327.90	\$ 16,395	\$ 19,674
5	Waste - Demo Materials	230	CY	\$16.40	\$21.86	\$ 3,771	\$ 5,028
	Subtotal					\$ 28,439	\$ 36,397
Division 03 - Concrete							
6	Concrete - New Headwall and Top two Sections of Spillway	230	CY	\$1,000.00	\$1,400.00	\$ 230,000	\$ 322,000
7	Install New Anchors	12	EA	\$500.00	\$800.00	\$ 6,000	\$ 9,600
	Subtotal					\$ 236,000	\$ 331,600
Division 31 - Earthwork							
8	Excavation - Low Level Outlet Demo	80	CY	\$4.37	\$8.74	\$ 350	\$ 700
9	Excavation - Wall Drain System	1,424	CY	\$27.33	\$30.60	\$ 38,911	\$ 43,580
10	Fill - Low Level Outlet	80	CY	\$5.47	\$7.65	\$ 437	\$ 612
11	Fill - Excavated Dam Adjacent to Spillway Walls	1,424	CY	\$5.47	\$7.65	\$ 7,782	\$ 10,895
12	Riprap - Drop Inlet Only	153	CY	\$54.65	\$71.05	\$ 8,361	\$ 10,870
13	Riprap - Bedding Material	38	CY	\$27.33	\$30.60	\$ 1,038	\$ 1,163
14	Sheet Piles - Cofferdam	800	SF	\$26.23	\$30.60	\$ 20,986	\$ 24,483
15	Concrete Cutoff Wall	11	CY	\$1,000.00	\$1,400.00	\$ 11,000	\$ 15,400
16	Filter Material	124	CY	\$54.65	\$65.58	\$ 6,777	\$ 8,132
17	Dewatering	60	DAY	\$218.60	\$245.93	\$ 13,116	\$ 14,756
	Subtotal					\$ 108,758	\$ 130,590
Division 33 - Utilities							
18	Low Level Outlet Steel Components & Stoplogs	2,000	LB	\$12.00	\$20.00	\$ 24,000	\$ 40,000
19	Construct New Drain System	156	LF	\$54.65	\$65.58	\$ 8,525	\$ 10,230
20	Construct New Low Level Outlet Intake and Piping	100	LF	\$100.56	\$115.86	\$ 10,056	\$ 11,586
21	Low Level Outlet New Valve	1	EA	\$710.45	\$874.40	\$ 710	\$ 874
	Subtotal					\$ 43,291	\$ 62,691
Other							
22	Erosion Control / Mulching / Seeding - Primary Spillway Fill Area + Staging and Access	7	Acre	\$1,000.00	\$1,200.00	\$ 7,000	\$ 8,400
23	Permanent Turf Reinforcement Mat	27,000	SY	\$5.25	\$6.50	\$ 141,750	\$ 175,500
	Subtotal					\$ 148,750	\$ 183,900
Base Construction Subtotal (BCS)						\$ 565,239	\$ 745,178
	Mobilization Bonds and Insurance		5%		8%	\$ 28,261.93	\$ 59,614.22
	Unscheduled Items	Lower Bound	20%	Upper Bound	20%	\$ 113,047.74	\$ 149,035.55
	Construction Contingency		8%		8%	\$ 45,219.09	\$ 59,614.22
	Market Contingency		20%		25%	\$ 113,047.74	\$ 186,294.44
Direct Construction Subtotal (DCS)						\$ 864,815	\$ 1,199,736
	Design Contingency		20%		25%	\$ 172,963.04	\$ 299,934.05
	Permitting	Lower Bound	2%	Upper Bound	4%	\$ 17,296.30	\$ 47,989.45
	Legal and Admin		3%		5%	\$ 25,944.46	\$ 59,986.81
	Engineering Support During Construction		9%		12%	\$ 77,833.37	\$ 143,968.34
Total Cost (Rounded)						\$ 1,200,000	\$ 1,800,000



North Dakota State Water Commission

900 EAST BOULEVARD AVENUE, DEPT 770 • BISMARCK, NORTH DAKOTA 58505-0850
701-328-2750 • TTY 800-366-6888 • FAX 701-328-3696 • INTERNET: <http://swc.nd.gov>

Agenda E1)

MEMORANDUM

TO: Governor Jack Dalrymple
Members of the State Water Commission
FROM: *TSD* Todd Sando, PE, Chief Engineer/Secretary
SUBJECT: NDSWC Cost-Share Participation Request – City of Bisbee’s Design and Repair of Big Coulee Dam Project
DATE: March 2, 2015

In their correspondence dated February 3, 2015, the City of Bisbee requested state cost-share participation for their Design and Repair of Big Coulee Dam Project.

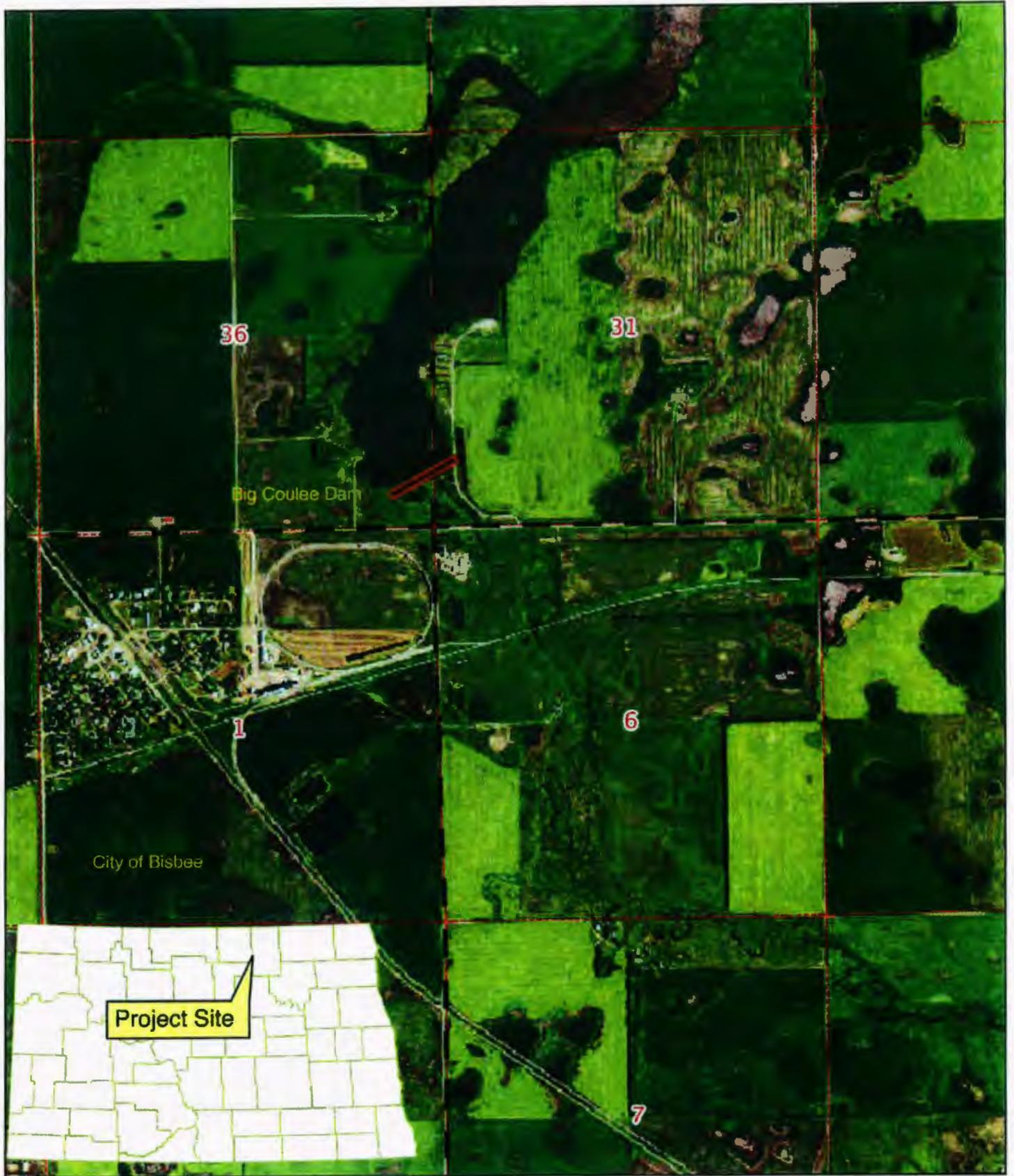
The Joint Bisbee Dam Operations Committee, comprised of members from the City of Bisbee, Towner County Water Resource District and the Towner County Commission, have completed a feasibility study for Big Coulee Dam to identify potential solutions to the failing principal spillway and to assure the dam meets current dam safety criteria. The study recommended a repair to the principal spillway, its low level drawdown and its drainage system. In addition, the study recommended armoring the exit slope of the emergency spillway to protect against erosive flows.

The principal spillway at Big Coulee Dam is deteriorating and the drainage system is only partially functional. The study concluded that the principal spillway could be repaired without full replacement. The upper section of the principal spillway will be replaced and the drainage system infrastructure will be replaced. The emergency spillway will be armored to meet dam safety criteria.

The project is estimated to cost \$1,751,615, of which \$1,057,244 is eligible for 75% cost share assistance (\$792,933), and \$197,956 is eligible for 35% as preliminary and design engineering (\$69,285) for a total amount not to exceed \$862,218 in state funds.

I recommend that the State Water Commission approve this request by the City of Bisbee for state cost participation in the City’s Design and Repair of Big Coulee Dam Project, at an amount not to exceed \$862,218 from the funds appropriated to the State Water Commission in the 2013-2015 biennium. This approval is subject to the entire contents of the recommendation contained herein, obtaining all applicable permits and availability of funds.

TS:MW/1418



City of Bisbee
Big Coulee Dam Repair



Date: 2/23/2015
Prepared by: DEC

City of Bisbee

PO Box 188

Bisbee, ND 58317

February 3, 2015

Melissa Ward
North Dakota State Water Commission
900 East Boulevard, Department 770
Bismarck, ND 58505-0850

RE: Cost-Share Request – Design and Repair of Big Coulee Dam (Bisbee Dam)

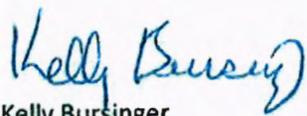
Dear Melissa,

The Joint Bisbee Dam Operations Committee, comprised of members from the City of Bisbee, Towner County Water Resource District, and the Towner County Commission, has recently completed a feasibility for Big Coulee Dam to identify potential solutions to the failing principal spillway and to assure the dam meets current dam safety criteria. The study recommends a repair to the principal spillway, its low level drawdown, and its drainage system. In addition, it recommends armoring the exit slope of the emergency spillway to protect against erosive flows.

Attached is the North Dakota State Water Commission (NDSWC) Cost Share Request Form to design, construct and provide engineering services for the repair of Big Coulee Dam. We understand the NDSWC has the ability to cost share the repair and engineering services provided during construction at 75% and the design engineering services at 35% under the Dam Safety category.

Due to the serious nature of dam safety and the condition at Big Coulee Dam, we ask you consider this request at your earliest convenience.

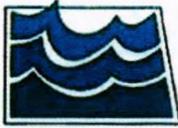
Thank you for your consideration of this important matter. Please do not hesitate to contact me with any questions.



Kelly Bursinger
Mayor, City of Bisbee

Enclosure

CC: *Kent Vesterso, Chairman, Towner County WRD*
Randy Benson, Towner County WRD
Mike Weisz, Towner County Commission
Dennis Reep, HDR Engineering



ND STATE WATER COMMISSION Project Information and Cost-Share Request Form

This form is to be filled out by the project or program sponsor, with SWC staff assistance as needed. Upon receipt of a request form, the information will be reviewed and added to the state's project/program database. This form will serve as the first step in obtaining cost-share assistance. Once a project has been fully developed, detailed cost and engineering information should then be submitted with a request for the project to be considered for SWC cost-share. For assistance, contact the SWC Water Development Division at (701) 328-4952.

Please answer the questions as completely as possible. Supporting documents such as maps and engineering reports should be attached to this form. If additional space is required, please use extra sheets as necessary.

1. **Project, program, or study name:** Big Coulee Dam Repair
2. **Sponsor(s):** Joint Bisbee Dam Operations Committee
3. **Location (county, city, township, etc.):** Towner County, Sect 36, T160N, R68W
4. **Description of request:** New Update (previously submitted)
5. **Specific needs addressed by the project, program, or study:**
 - a. **If study, what type:**
 Water Supply Hydrologic Floodplain Mgmt Feasibility
 Other
 - b. **If project/program:**
 Flood Control Snagging & Clearing Water Quality
 Recreation Bank Stabilization Rural Flood Control
 Channel Imp. Irrigation Other
 Multi-Purpose Water Supply
6. **Jurisdictions/Stakeholders involved:** City of Bisbee and Towner County
7. **Description of problem or need and how project addresses that problem or need:**

The principal spillway at Big Coulee Dam is deteriorating and the drainage system is only partially functional. A feasibility study concluded the principal spillway could be repaired without full replacement. The upper section of the principal spillway will be replaced and the drainage system infrastructure will be replaced. The emergency spillway will be armored to meet dam safety criteria
8. **Has a feasibility study been completed?:** Yes No Ongoing Not Applicable
9. **Has engineering design been completed?:** Yes No Ongoing Not Applicable
10. **Have land or easements been acquired?:** Yes No Ongoing Not Applicable

11. Have you applied for any state permits?: Yes No Not Applicable

a. If yes, please explain:

12. Have you been approved for any state permits?: Yes No Not Applicable

a. If yes, please explain:

13. Have you applied for any local permits?: Yes No Not Applicable

a. If yes, please explain:

14. Have you been approved for any local permits?: Yes No Not Applicable

a. If yes, please explain:

15. Briefly explain the level of review the project or program has undergone:

In response to dam safety reports generated by the NDSWC - feasibility study completed.

16. Do you expect any obstacles to implementation (i.e., problems with land acquisition, permits, funding, local opposition, environmental concerns, etc.)?

Implementation funding is a potential issue.

17. Estimated project or program total implementation costs: \$ 1,800,000

<i>Source</i>	<i>Cash</i>	<i>In-kind</i>
Federal	\$	\$
State	\$ 1,141,549	\$
Local	\$ 658,451	\$
Total	\$ 1,800,000	\$ 0

18. Funding timeline (carefully consider when SWC cost-share will be needed):

Source	2011-2013 7/1/11-6/30/13	2013-2015 7/1/13-6/30/15	2015-2017 7/1/15-6/30/17	2017-2019 7/1/17-6/30/19	Beyond 6/30/19
Federal	\$	\$	\$	\$	\$
State	\$	\$	\$ 1,141,549	\$	\$
Local	\$	\$	\$ 658,451	\$	\$
Total	\$ 0	\$ 0	\$ 1,800,000	\$ 0	\$ 0

19. Please explain implementation timelines, considering all phases and their current

status: Potential for design to be completed in early to mid 2015 and construction in late 2015.

More probable is design will be completed in mid to late 2015 with bidding and subsequent construction in early 2016.

20. Have assessment districts been formed?: Yes No Ongoing Not Applicable

Submitted by: Joint Bisbee Dam Operations Committee, Kelly Bursinger, Chairman

Date: February 3, 2015

Address and telephone: P.O. Box 188, Bisbee ND 58317 - (701) 477-3175 (w), (701)-228-8115 (c)

Mail to: ND State Water Commission, ATTN: Melissa Behm, 900 E Boulevard Ave. Dept. 770, Bismarck, ND 58505-0850