



**Programs, Projects & Operations
Subcommittee Meeting
December 6, 2011
6:45 p.m.
Agenda**

Programs, Projects & Operations:

John Conley, Chairman
Fred Conley, Vice-Chairman
David Klug
Rich Tesar
Jim Thompson

Alternate Members: Gus Erickson
Tim Fowler

Staff Liaison: Gerry Bowen *
Martin Cleveland
Amanda Grint
Terry Schumacher
Dick Sklenar

1. Meeting Called to Order – Chairperson John Conley
2. Notification of Open Meetings Act Posting and Announcement of Meeting Procedure – Chairperson John Conley
3. Quorum Call
4. Adoption of Agenda
5. Proof of Publication of Meeting Notice
6. Review and Recommendation on Elkhorn River 240th Street Bank Stabilization Project Bids – Gerry Bowen, Sara Mechtenberg, Tetra Tech
7. Review and Recommendation on Elkhorn River IPA Bank Stabilization Project Bids – Gerry Bowen, Sara Mechtenberg, Tetra Tech
8. Review and Recommendation on Western Douglas County Trails Contract with Felsburg Holt & Ulevig for Environmental Services – Gerry Bowen, Amy Zlotsky, Felsburg Holt & Ulevig
9. Review and Recommendation on Silver Creek Watershed Structure #11 Construction Observation Services – Terry Schumacher and Paul Woodward, Olsson Associates

10. Review and Recommendation on Silver Creek Watershed Structure #14 Stabilization Project Construction Bids – Martin Cleveland
11. Review and Recommendation on MUD Creek Bank Stabilization Project Construction Bids – Martin Cleveland
12. Update on Missouri River Levee System Units R-613 and R-616 Sandbag, Debris and Levee Closure Structure Removal Project – Martin Cleveland
13. Adjourn

Agenda Item: 6.

Memo to the Programs, Projects and Operations Subcommittee

Subject: 240th Street (Sarpy County) Elkhorn River

Date: November 29, 2011

From: Gerry Bowen

The District solicited bids on a bank stabilization project on the Elkhorn River immediately south of the Sarpy County line in order to protect 240th Street. Sarpy County has agreed to equally share the cost of the construction and engineering on the project.

Bids were opened on November 29, 2011 with nine contractors submitting bids, one of which was deemed unresponsive and was not considered further. The following contractors' bids were received (see attached bid summary and recommendation):

Melvin Sudbeck Homes	\$178,637.75
TCW Construction. Inc.	\$217,130.60
Valley Corporation	\$238,154.67
Western Contracting Corporation	\$242,435.15
Reilly Construction	\$244,131.00
Neuvirth's	\$248,263.90
K&L Landscape & Construction	\$257,686.25
Prudent Technologies	\$329,045.04
Engineer's Estimate	\$395,727.00

The low bid was submitted by Melvin Sudbeck Homes in the amount of \$178,637.75. The District's portion of the construction costs is \$89,318.88. Management recommends approval.

- **It is recommended that the Subcommittee recommend to the Board that the General Manager be authorized to execute a construction contract with Melvin Sudbeck Homes in the amount of \$178,637.75 for the Elkhorn River – 240th Street Bank Stabilization Project.**

Agenda Item: 7.

Memo to the Programs, Projects and Operations Subcommittee

Subject: Elkhorn River IPA Bank Stabilization Project Bids

Date: December 1, 2011

From: Gerry Bowen

The District solicited bids on a project to repair the bank stabilization project on the Elkhorn River immediately north of King Lake in western Douglas County. Damage to the project resulted from the 2010 flood on the river.

The District contacted FEMA about possible funding to repair the project. Subsequently, FEMA approved the project for funding at the 75% level, but only for repairs and replacement of rock riprap. Their initial allocation was \$461,686.25. This was based on a preliminary estimate of \$615,582.20.

The District then hired Tetra Tech to evaluate the bank stabilization project and to recommend needed repairs, and any needed additional treatment areas to keep the project functioning as designed. In addition, Tetra Tech proposed a new location for the boat ramp in Elkhorn Crossing Recreation Area to help stabilize the recreation area..

Bids were opened on November 29, 2011 with seven contractors submitting bids. The following contractors and bids were received (see attached bid summary and recommendation):

Ho Chunk Builders	\$1,020,995.30
Western Contracting, Co.	\$1,102,601.30
K&L Landscaping & Construction	\$1,122,746.85
TCW Construction, Inc.	\$1,225,240.52
Valley Corporation	\$1,153,598.40
Reilly Construction Co., Inc.	\$1,155,862.50
Prudent	\$1,197,070.79
<i>Engineer's Estimate</i>	<i>\$1,866,962.00</i>

The apparent low bidder is Ho Chunk Builders in the amount of \$1,020,995.30. Management concurs with Tetra Tech's recommendation that Ho Chunk Builders be awarded the construction contract.

As mentioned above, a portion of the projects are eligible for reimbursement from FEMA. Based upon the criteria provided, the Elkhorn Crossing boat ramp relocation and new treatment sites are not eligible for FEMA reimbursement. The bid price for the boat ramp is \$32,351.44 (see attached), and the bid price for the ineligible items is \$296,593.16. Therefore, the total amount eligible for reimbursement is \$696,050.70. The reimbursement would be \$519,038.03. The NRD share would be 501,957.27.

- **It is recommended that the Subcommittee recommend to the Board that the General Manager be authorized to execute a construction contract with Ho Chunk Builders in the amount of \$1,020,995.30 for the Elkhorn River IPA Bank Stabilization Project.**

Agenda Item: 8.

Memo to: Programs, Projects and Operations Subcommittee

Subject: Western Douglas County Trails Project – Environmental Services Agreement
With Felsburg, Holt & Ulevig

By: Gerry Bowen

Date: December 1, 2011

The Western Douglas County Trails Project was initiated by the District, Douglas County, and the Cities of Valley, Omaha, and the Village of Waterloo to construct a series of trails in Western Douglas County in 2005. Congressman Lee Terry obtained a federal earmark of \$4.8 million to assist with this effort.

Consequently, the District hired Ehrhart Griffin & Associates (EGA) to provide professional engineering services on the project. They were proceeding with the design of the first two phases of the project (Phase 1 = Valley to the Twin Rivers YMCA; Phase 2 = Valley to Waterloo) when the Department of Roads (NDOR) and the Federal Highway Administration (FHWA) decided that a change in procedures was needed and the project went on hiatus until the new procedures could be implemented. This delay occurred in 2008. The federal ARRA (Stimulus) projects added further delays to the project.

With the new NDOR/FHWA procedures, the project must follow NEPA (National Environmental Policy Act) procedures and before final designs can be completed. NDOR determined that EGA was not qualified to conduct the necessary studies and evaluations needed to prepare the “NEPA document”. Therefore, to help facilitate the selection of a qualified NEPA consultant, NDOR pre-selected and qualified six firms that local project sponsors could utilize.

Management reviewed the six firms, ranked them, and ultimately selected Felsburg Holt and Ulevig (FHU) as the most qualified for this particular project. Management was authorized to follow a similar process for selecting a consultant for construction engineering services on the Missouri River and Platte River Trail Projects.

Upon concurrence from the NDOR and FHWA, Management negotiated a scope of services and fee proposal with FHU to prepare the “NEPA document” on this project (see attached). The proposed fee for these services is \$11,398.70, of which \$9,118.96 will be reimbursed from federal funds mentioned above. The District’s share will be \$2,279.74.

The new procedures require the District to utilize a contract (attached) prepared by NDOR for these environmental services. The contract/agreement requires a Board resolution authorizing the General Manager to sign the contract (attached).

- **It is recommended that the Subcommittee recommend to the Board that the General Manager be authorized to execute a professional services agreement with Felsburg, Holt and Ulevig for environmental services for Phase 1 and 2 of the Western Douglas County Trail project.**

Agenda Item: 9.

MEMORANDUM TO: Programs, Projects and Operations Sub-Committee

SUBJECT: Request from Olsson Associates for Additional Engineering Fees for Silver Creek Watershed

DATE: December 2, 2011

BY: Terry Schumacher, Land & Water Programs Coordinator

At their November 18, 2004, meeting, the P-MRNRD Board of Directors approved an Agreement with the Natural Resources Conservation Service that would accelerate the design and construction of 10 of the erosion/sediment control dams remaining in the Silver Creek Watershed Project. This agreement called for the selection of a Technical Service Provider (TSP) to provide the necessary professional services. Olsson Associates was the Technical Service Provider that was chosen to do this work. A contract with Olsson Associates was approved by both the P-MRNRD and the NRCS; the dollar amount of the contract was \$416,742.00. The costs were to be divided equally between the District and NRCS.

To date, eight of the structures have been built, one has been deleted from the contract and Site 11, the largest structure, is near completion. The Site 11 dam is complete with the seeding and fencing yet to be completed.

Attached is a letter from Olsson Associated that explains in detail their request for additional professional services in the not to exceed amount of \$20,000. If approved, it would increase the contract to a not to exceed amount of \$639,263.24.

Management recommends that the Subcommittee recommend to the Board that the maximum, not to exceed amount for professional services contract with Olsson Associates for the Silver Creek Watershed Project, be increased to \$639,263.24.

Agenda Item: 10.

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

FROM: Martin P. Cleveland, Construction Engineer

SUBJECT: Silver Creek Watershed Structure #14 Stabilization Project
Bids

DATE: November 22, 2011

Attached are location map, typical cross-section and photographs for the referenced project site. Silver Creek Watershed Structure #14 is located northwest of Tekamah in Burt County. This structure (earthen dam) was built in 2001 to stabilize an eroding gully in the Silver Creek Watershed. The stabilization project work consists of placing rock rip-rap along the eroding front berm of the referenced structure to stop the berm erosion that will eventually endanger the dam's safety. The berm erosion is caused by the pond wave action on the berm. The work includes the furnishing of the labor, materials, equipment, tools and incidentals necessary to install approximately 450 tons of rock riprap and 170 cubic yards of soil infill along approximately 350 feet of dam front berm. The contract provides for 20 working days to complete the project.

A bid summary is attached for your consideration. The apparent low bidder is Glup Construction Inc. with a bid as follows:

1. Rock Ripap 450 tons (estimated) at \$57.55/ton with total cost of \$25,897.50
2. Soil Infill 170 cubic yards (estimated) at \$10.00/cubic yard with a total cost of \$1,700.00
3. Fence 100 ft. (estimated) at \$10/ ft. with a total cost of \$1,000.00
4. Grand Total (1+2+3) = \$28,597.50

Based on the estimated quantities, the total project cost would be \$28,597.50. The Engineer's opinion of cost is \$27,000.

This work will be funded via funds included in the Project Maintenance Dams Contract Work (Account 590-4479). As of October 31, 2011 the remaining funds in this account was \$85,412.

It is Management's recommendation that the Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute a contract for Silver Creek Watershed Structure #14 Stabilization Project with Glup Construction Inc., for their total base bid of \$28,597.50.

Agenda Item: 11.

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

FROM: Martin P. Cleveland, Construction Engineer

SUBJECT: Mud Creek Bank Stabilization Project
Bids

DATE: November 22, 2011

Attached are location map, typical cross-section and photographs for the referenced project site. Mud Creek Bank Stabilization Project is located east of Bellevue in Sarpy County. Mud Creek has levees located along it that tie into the Papio Creek Levee System. The stabilization project work consists of placing rock rip-rap along the eroding creek banks that will eventually endanger the Mud Creek levee's safety if not repaired. The bank erosion was worsened during 2010 highwater events on the Papio Creek System. The work includes the furnishing of the labor, materials, equipment, tools and incidentals necessary to install approximately 1,350 tons of rock riprap and 170 cubic yards of soil infill along approximately 100 feet of creek length. The soil infill is a requirement of the Corps of Engineers Section 404 permit. The contract provides for 20 working days to complete the project.

A bid summary is attached for your consideration. The apparent low bidder is Midwest Dumpers Inc. with a bid as follows:

1. Rock Ripap 1,350 tons (estimated) at \$39.50 per ton with total cost of \$53,865.00

Based on the estimated quantities, the total base bid is \$53,865.00. The Engineer's opinion of cost is \$54,000.

This work will be funded via funds included in the Channel and Levee Maintenance Contract Work (Account 591-4479). As of November 2011 the remaining funds in this account was \$1,578,513.

It is Management's recommendation that the Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute a contract for Mud Creek Bank Stabilization Project with Midwest Dumpers Inc., for their total base bid of \$53,865.00.

Agenda Item: 12.

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

FROM: Martin P. Cleveland, Construction Engineer

SUBJECT: Missouri River Levee System Units R-613 and R-616 Sandbag, Debris and Levee Closure Structure Removal Project

DATE: November 22, 2011

Attached are location map and information related to the referenced project site.

The referenced levees are located along the Missouri River, Platte River and Papillion Creek south and east of Bellevue in Sarpy County. The projects had floodwater against them during the June through September 2011 period due to the Missouri river flood event. In the early period of the flood event, Offutt AFB, under contract with Corps of Engineers, placed over 140,000 sandbags on portions of the R-616 levee top to provide a uniform level of flood protection, extending over 12,000 linear feet. In addition, during the flood fight the District placed sandbags on pallets in strategic locations for emergency use (e.g. sandboils, etc.) and about 1400 sandbags remain on 26 pallets throughout the project. Also, a levee closure structure at BNSF RR under Hwy. 370 was built by the District with over 1000 cubic yards of soil and 1000 sandbags as part of the flood fight.

Recently the Corps of Engineers informed the District that they would not remove the sandbags, closure structure or flood debris on the project as a part of their PL 84-99 O & M program. There is considerable woody (trees) and other flood deposited debris throughout the levee project 18 mile length that will need to be removed before any reseeded of flooded areas can commence. District staff has been in contact with FEMA and it appears that the project will be eligible for FEMA cost share of 75% on a reimbursement basis. In the interest of completing this project as soon as possible before sandbags, debris, etc. are frozen to the ground or covered with snow, Management has solicited bids from contractors and a bid summary is attached. The Engineer's opinion of cost was \$321,000. The low bidder was TAB Construction Company for a Base Bid (remove and haul away sandbags, plastic, pallets and debris to off-site location, with sand to NRD disposal site) plus Alternate No. 2 Bid (remove levee closure structure at BNSF RR) totalling \$225,860.

Management has executed a contract for Missouri River Levee System Units R-613 and R-616 Sandbag, Debris and Levee Closure Structure Removal Project with TAB Construction Company, for their total base bid plus alternate #2 of \$225,860, under the flood emergency contract authority granted by the Board of Directors at the June 7, 2011 Special Board of Directors meeting.

This work will be funded via funds included in the Channel Project Missouri River Flood Account (Account 591-4450). As of November 2011 the remaining funds in this account were \$1,167,193.