

**Programs, Projects & Operations  
Subcommittee Meeting  
July 7, 2009  
6:35 p.m.  
(Or immediately following the PLPA Subcommittee Meeting)  
Agenda**

**Programs, Projects & Operations:**

John Conley, Chairman  
Rich Tesar, Vice-Chairman  
David Klug  
Rick Kolowski  
John Schwope

**Alternate Members:** Fred Conley  
Tim Fowler

**Staff Liaison:** Gerry Bowen  
Martin Cleveland \*  
Amanda Grint  
Ralph Puls  
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 Whitted Creek Stream Restoration Project Bids – Martin Cleveland and Kent Bienlien, CH2MHill
7. Pigeon/Jones Site #15 – Ralph Puls and Paul Woodward, Olsson Associates
  - a. Review and Recommendation on Contract Proposal from Olsson Associates for Pigeon/Jones Site #15 Design for Recreation Facility
  - b. Report on P-MRNRD Request for Funding from the Federal Sport Fish Restoration Program
8. Review and Recommendation on Urban Drainageway Program – Millard Park SID Request for Additional Funds – Gerry Bowen and Dennis Wilson, HGM Associates
9. Review and Recommendation on Groundwater Management Program Rules and Regulations – Brian Henkel

10. Review and Recommendation on Blair Airport Authority Agreement on Waterline Construction for Washington County Rural Water #2 – Dick Sklenar and Rod Storm, City of Blair

11. Adjourn

## MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

SUBJECT: Whitted Creek Stream Restoration Project Bids

DATE: June 26, 2009

FROM: Martin P. Cleveland

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Attached is a location map and project drawings for the referenced project located in Bellevue, Nebraska, near 25<sup>th</sup> and Capehart Road. The project consists of stabilizing the bed and banks of Whitted Creek and tributary creek confluences from 25<sup>th</sup> Street downstream to the confluence with the Papillion Creek, in Bellevue, Nebraska. The work includes the furnishing of the labor, materials, equipment, tools and incidentals necessary to stabilize approximately 3,500 linear feet of creek bank.

Some of the key features of this bio-engineered (hard structure and vegetation plantings) stream restoration project include installation of 13 cross vane structures with a 2 foot vertical drop each, one drop structure with a 5 foot vertical drop, 10,900 square yards of coir mat, 20,400 square yards of erosion control blanket, 5,213 herbaceous vegetation plugs, 4,173 shrub cuttings and plugs and 4,173 tree cuttings and plugs.

Attached is a bid summary for the referenced project. Bids were opened at 2 pm on June 23, 2009. Two bids were received and the apparent low bidder is Heimes Corporation with a bid of \$1,488,610. The engineer's estimate of probable construction cost by CH2MHILL for the project was \$1,674,025.

This work will be funded via project maintenance contract work (Account No. 01 03-12 (4479). We have included \$1,830,000 in the Draft Fiscal Year 2010 budget for this item. The project is required to be completed by June 26, 2010. The District has been awarded two grants (Nebraska Environmental Trust and Nebraska Department of Environmental Quality), totaling \$600,000 to off set some of the project costs.

- **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 Whitted Creek Stream Restoration Project with Heimes Corporation for their total base bid of \$1,488,610.**

## MEMORANDUM

TO: Programs, Projects & Operations Subcommittee

SUBJECT: Amendment to Professional Services Contract for Professional Services for the Pigeon/Jones Site #15 with Olsson Associates

DATE: July 2, 2009

FROM: Ralph Puls, Land/Water Programs Coordinator, Paul Woodward, Olsson Associates

The P-MRNRD approved the Pigeon/Jones Watershed Special Erosion and Sediment Control Project in Dakota County in 2000, a plan that called for 20 flood/sediment control structures. Site #15 is the largest of the structures (228 surface acres of water) and is designated as a sediment control, flood control and recreation structure. At its April 2004 meeting, the P-MRNRD Board of Directors approved the first phase of a contract with Olsson Associates to conduct a Pre-Feasibility study of this proposed site. That report was accepted by the Board at its January 15, 2005 meeting, and the Board approved the submittal of an application for Nebraska Resources Development Fund (NRDF) financial assistance. Olsson Associates prepared the NRDF application which was approved for funding by the Nebraska Natural Resources Commission at its July 12, 2007 meeting.

At its July 2007 meeting, the P-MRNRD Board of Directors voted to approve a professional services contract with Olsson Associates for the third phase of the work which included the final design of Pigeon/Jones Watershed Site #15 dam, downstream improvements and upstream county road improvements. This work is about 95% complete. The total Olsson Associates contract cost is now \$585,953. The next phase of work to be done is described in the June 26, 2009 letter from Olsson Associates. It includes a detailed description of the tasks to be included and the costs of each of these project services:

1. Environmental Permitting Assistance
2. Wetland and Stream Channel Mitigation Final Design
3. Recreation Area Final Design
4. Grant Applications and Administration
5. Survey ROW Markers
6. Right of Way and Relocation Assistance

Olsson Associates is requesting a contract amendment in the amount of \$513,000 for professional services which would bring their total contract for the Pigeon/Jones Site #15 contract to \$1,098,953.00. Funds for this work are included in the proposed FY 2010 budget.

- **Management recommends that the Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute the proposed Amendment to the Pigeon/Jones Site #15 contract with Olsson Associates for additional project services, increasing the maximum not to exceed amount of the contract to \$1,098,953.**

Agenda Item 7.b.

## MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

SUBJECT: Report on Request for Funding for P/J Fishery Funds from the Federal Sport Fish Restoration Program

DATE: July 1, 2009

FROM: Ralph Puls, Land/Water Programs Coordinator, Paul Woodward, Olsson Associates

A part of the Pigeon/Jones Dam Site #15 project is the development of fish habitat in and around the 228 acre lake. Funds for fishery development are available through the Federal Sport Fish Development Program through a program administered by the Nebraska Game and Parks Commission. Olsson Associates has prepared the grant application as part of their professional services contract with the District, and they have been working with Game and Parks Commission Fisheries Division to prepare the plan. The District will seek funding from this program for items including a boat ramp, fishing pier, breakwaters and a number of fishery enhancement structures shown and described in the attached grant application and letter to the Nebraska Game and Parks Commission. The funds are provided on a 75% - 25% cost sharing with the 75% coming from the Sport Fishery Program.

The total estimated cost for the fishery enhancement is \$1,616,500 with the Fishery Development Program providing \$1,212,375 and the P-MRNRD \$404,125.

## Memorandum

To: Programs, Projects, and Operations Subcommittee

Subject: Urban Drainageway Program – Millard Park (Sarpy County SID #162)

Date: July 2, 2009 **Revised – July 7, 2009**

From: Gerry Bowen

In April, the Board approved a cost share request from the Sarpy County SID #162 (Millard Park) located southwest of 156<sup>th</sup> & Harrison. The five year project was approved under the Urban Drainageway Program and was intended to stabilize Mission Creek within the subdivision. The SID proposed to use gabions to stabilize the creek bank, as well as several grade control structures in the channel. Phase 1 of the project, scheduled for installation in 2009, involves control of erosion that threatens an SID trail. The cost estimate for Phase 1 was \$105,500, with the resultant cost share estimated to be \$63,300 (60% of \$105,500). This amount was placed in the District's draft FY 2010 Budget.

However, following a geotechnical investigation, it was determined that the soil conditions along the creek could not support the use of gabions. Instead, an anchored sheet pile wall (see attached letter) was recommended as the preferred solution to best protect the trail and stabilize this portion of the creek. The estimated cost (attached) of this alternative is \$329,100, making the cost share amount \$197,460. The SID has requested additional funds to cover this revised solution.

Further, the SID's consultant believes that this additional cost may also affect future phases of the project. They are now estimating a total project cost of approximately \$2 million, up from the \$600,840 estimate that was submitted with the application. This exceeds the \$1.5 million ceiling for projects under the Urban Drainageway Program Guidelines. The SID intends to reevaluate the project to meet the guidelines of the program and still address the stabilization needs of the drainageway.

Therefore, the SID would like to install the Phase 1 improvements to protect the trail in 2009. The SID will prepare a new stabilization plan that is more feasible, economical, and sustainable. The revised plan will be submitted for your consideration when completed, but at least by the next budgeting cycle in 2010.

- **It is recommended that the Subcommittee recommend to the Board that the District approve the request of Sarpy County SID #162 for an increase in the cost-share amount for Phase 1 of the project from \$63,300 to \$197,460, subject to inclusion of such additional amount in the NRD's FY 2010 Budget.**

## MEMORADUM

To: Program, Projects and Operations Subcommittee  
From: Brian L. Henkel, Groundwater Management Engineer  
Re: Rules and Regulations for the Granting of Variances to the Stay on the Expansion of Irrigated Acres and the Construction of New Irrigation Wells in the Hydrologically Connected Area  
Date: July 2, 2009  
From: Brian L. Henkel, Groundwater Management Engineer

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The Papio-Missouri River Natural Resources District (District) has imposed a stay on the expansion of groundwater irrigated acres and the construction of new irrigation wells (stay) in the hydrologically connected areas (HCA) as defined by the Nebraska Department of Natural Resources (Department) in its “2009 Annual Evaluation of Availability of Hydrologically Connected Water Supplies”. This stay prohibits the expansion of groundwater irrigated acres in a portion of the District where groundwater is interconnected with stream flow in the Platte and Elkhorn Rivers.

Limited expansion of groundwater irrigation can be allowed within the District while still protecting the water resources of the Lower Platte River Basin. The proposed rules and regulations provide for a limited expansion of groundwater irrigation for a planning period of four years. The rules would limit the expansion to approximately 2,500 acres per year with a maximum not to exceed 10,000 acres in four years. The Department, under recent legislative changes, is restricted to allocations of no more than 834 acres of surface water per year for the next four years. These rules and regulations allow the District to better manage the water resources, in cooperation with the Department, and keep the District in compliance with the recent legislative changes.

Landowners affected by the District’s Stay will be required to provide evidence to District Management of groundwater irrigation during at least two of the last ten years in a process of certification of historic irrigation. Certification of irrigated acres will improve the District’s understanding of the extent of the use of groundwater for irrigation purposes and assist the District with continued management of the water resources of the Lower Platte River Basin.

- **Staff recommends that the subcommittee recommend to the Board the proposed resolution providing for a variance process to the stay on the construction of new irrigation wells and the expansion of groundwater irrigated acres be adopted, and that the rules and regulations be added to the District’s Policy Manual.**

## Memorandum

To: Programs, Projects, Operations Subcommittee

Subject: NRD /Blair Airport Authority Water Supply Agreement

Date: July 1, 2009

From: Dick Sklenar

Attached is a draft agreement with the Blair Airport Authority (BAA) regarding provisions for the construction of a waterline from Washington County Rural Water #2 (WCRW#2) to the airport located along Highway 133.

Some of the following points in the agreement are as follows;

1. The Blair Airport Authority, and an adjacent property owner, will finance the waterline project.
2. WCRW#2 will compensate BAA only for over sizing a portion of the waterline project along County Rd. 37. Compensation will be in the form of rebates. Such rebates shall amount to \$1000 per hookup for all future hookups along the proposed route.
3. BAA will hire, and pay for all, consultants and inspection services.
4. BAA will acquire Nebraska Dept. of Roads permit for highway crossings. BAA will also provide necessary right-of-way on the lands for the waterline project. WCRW#2 will acquire all other right-of-way and permits.

The anticipated construction of the waterline is expected to be accomplished no later than 2011. The rural water system currently has enough capacity to serve the area in question.

- **It is recommended that the Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute the Agreement among the District, the Blair Airport Authority and Simmonds in the form as presented to this meeting, with such changes as deemed necessary by the General Manager and approved as to form by the District's Legal Counsel.**