

**Programs, Projects & Operations
Subcommittee Meeting
November 14, 2006
8:00 p.m.
Agenda**

Programs, Projects & Operations:

John Conley, Chairman
Rich Tesar, Vice-Chairman
Fred Conley
Rich Jansen
Rick Kolowski

Alternate Members: Dorothy Lanphier
Jim Thompson

Staff Liaison: Gerry Bowen
Martin Cleveland
Ralph Puls
Dick Sklenar
Paul Woodward *

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 Proposed Plan for Elkhorn River Public Access at West Dodge Road – Dick Sklenar and Tom Bentley, BCDM
7. Review and Recommendation on Little Papio Channel (Maple to Pratt Streets) Drainage Project Bids – Martin Cleveland
8. Report on Staff Investigation of Flooding in Forest Run Subdivision, Gretna, NE – Paul Woodward and Scott Loos, Lamp, Rynearson & Associates
9. Adjourn

MEMORANDUM

TO: Program, Projects and Operations Subcommittee

FROM: Dick Sklenar, Project Manager

SUBJECT: Proposed Plan for Elkhorn River Public Access at West Dodge Road

DATE: October 30, 2006

Attached is the proposed layout plan developed by the District's consultant (BCDM) for the Elkhorn River public access site at West Dodge Road. The facilities for this site are much the same as what was developed at the West Maple site which includes restroom facilities, parking lot, boat ramp, fencing and gates, landscaping, and an entrance sign.

The current estimated construction cost for the site on West Dodge Road is estimated at \$483,640. This site is more costly when compared to the West Maple site due to the fact that an entrance road will need to be developed to the site.

Residents in the immediate area have indicated concern by the District's development of this public access site. Letters, e-mails, and a petition have been received by the District regarding their concern on the establishment of a boat ramp at the site. The major fear is that airboats will use the ramp for access to the river.

A remedy to that concern, which has been done previously, is to install a bollard in the center of the boat ramp. The bollard will only be removed should rescue and search operations be needed by local law enforcement agencies.

It is recommended that the Subcommittee recommend to the Board of Directors that the proposed plan for the Elkhorn River public access site at West Dodge Road be implemented as presented.

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

FROM: Martin P. Cleveland, Construction Engineer

SUBJECT: Little Papio Channel Project – Drainage Project (Maple to Pratt Street)

DATE: November 2, 2006

On October 19, 2006, bids were opened for the referenced project. A bid summary is attached for your consideration. The apparent low bidder is Dostals Construction Company, Inc., with a bid of \$33,179. Local runoff has created gullies on the channel slope and subsequently started undermining the adjacent Keystone Trail. This project is designed to intercept local runoff with a concrete flume and outlet water into four drainage structures that drain into Little Papio Creek. Major project components are construction of a 900 linear feet concrete flume, construction of two area inlets, replacement of removed trail and installation erosion control measures on disturbed areas (blankets, seeding). Attached are some project drawings.

This work will be funded via Project Maintenance General Contract work (Account 0103124479) and as of October 6, 2006, there is \$284,043 left in this account.

It is Management's recommendation that the Subcommittee recommend to the Board of Directors that the Acting General Manager be authorized to execute a contract for construction of Little Papio Channel Drainage Project with Dostals Construction Company, Inc., for their total base bid of \$33,179.

Memorandum

To: PPO Subcommittee
From: Paul Woodward, Water Resources Engineer
Date: November 8, 2006
Re: Flooding Issues in Forrest Run and Lyman Highlands Subdivisions near Gretna, NE

As a follow up to last month's discussion concerning flooding issues in the Forrest Run Subdivision near Gretna, NE (see attached map), District staff has meet with representatives from Lamp, Rynearson & Associates (LRA) to gather information on the existing flooding problems. LRA was able to provide valuable information as they had previously performed a drainage investigation of Forrest Run and Lyman Highlands as part of a study for the City of Gretna. The City had required this investigation in response to concerns that added drainage from the Covington subdivision (directly north of Forrest Run and Lyman Highlands) may increase flooding experienced in Forrest Run and Lyman Highlands. A copy of this drainage study report dated October 31, 2004 is enclosed.

As part of this study, the current and future 100-yr flood flow was modeled through the two subdivisions. A map showing the inundation area resulting from this modeling is attached. This map shows that several homes adjacent to the drainage way within Forrest Run and Lyman Highlands are subject to flooding during the current and future 100-year storm event. LRA concluded that this flooding problem is primarily caused by the nearly flat channel slope and impact of existing roadways and culverts. This means that potential solutions to the flooding problem must either improve the conveyance at the roadways or detain flood waters before entering the two subdivisions.

Based on this study, Gretna required the developer of Covington to incorporate detention on his site and modify the channel downstream of Iva Street in Lyman Highlands. However, these improvements provide little relief for the flooding which may occur within the two subdivisions.

After considering the results of prior investigations, District staff feels that it would be appropriate to further consider the proposed Regional Detention Basin proposed upstream of the two subdivisions (just upstream of 204th Street). As part of the conceptual Papillion Creek Watershed Drainage Plan, this basin will be further analyzed in upcoming studies of the drainage plan and associated Stormwater Management Policies. Therefore, it is management's recommendation that this basin be analyzed in greater detail as part of the Papillion Creek Watershed's future evaluation.