

Agenda Item: 11.

MEMORANDUM TO: Programs, Projects & Operations Subcommittee
SUBJECT: Application for Road Structure Cost Sharing Assistance – Burt County
DATE: March 22, 2012
FROM: Dick Sklenar

An application has been received from the Burt County Highway Department (attached) for financial assistance under the District's Road Structure Program to replace an existing bridge. The replacement amounts installing a double 16' X 16' concrete culvert, which is also intended to remove five feet of grade from the existing channel. The location (see attached map) is about 2 miles southwest of Decatur, on Elm Creek.

The District's program guidelines provide a level of financial assistance amounting to 75% of the total eligible construction cost not to exceed \$150,000 per project. Cost sharing by the District shall not include those costs incurred by the County for guard rails, roadway surfacing, traffic signals or signs, relocation of utilities, purchase of land rights, engineering, inspection, administrative costs, and work performed by County personnel. Benefits of a road structure includes heavier weight limits, improved safety, erosion control, habitat enhancement, and improved water quality downstream of the site.

The total estimated cost of this project is expected to be about \$300,000 to \$400,000. The request for financial assistance is \$150,000 (maximum allowable). The County expects to initiate construction of the project this fall.

Management recommends that the Subcommittee recommend to the Board of Directors that the Burt County Highway Department application for financial assistance on a road structure project located on Elm Creek, about 2 miles southwest of Decatur, Nebraska, be approved for financial assistance, not to exceed \$150,000 subject to the Fiscal Year 2013 budget.



BURT COUNTY OFFICE

of
Highway Superintendent
and
Zoning Administrator

APR 22 2011

John Winkler
Papio-Missouri NRD
8901 S 154th St
Omaha, NE 68138-362

April 22nd, 2011

Dear Mr. Winkler,

I am writing to request funding for construction and technical assistance preparing the design and completing a U.S. Corps of Engineers 404 permit from the Papio-Missouri NRD for a Road Structure project Burt County would like to do in section 16, township 23N, range 10E of the sixth pm. The project is located on Elm Creek.


Replacement of the existing 20' X 150' single welded steel truss bridge is required due to structural deficiencies and problems with stream degradation. This bridge is posted –Type 3, 4 Tons-Type3S2, 5 Tons-Type 3-3, 8 tons. If the bridge load-rating goes below 3 tons Burt County will have to be close the bridge. This road is the only good access to farm ground across the creek.

111 North 13th Street, Suite 3, Tekamah, NE 68061

The proposed improvement project is a box culvert with drop inlet or multi plate steel culvert with 5 foot raise at inlet to help with stream degradation. This project would cost over \$300,000, so any help Burt County could get from the NRD would greatly be appreciated.

No engineering has been done on this project.

Thank you for your time and consideration.

A handwritten signature in cursive script that reads "Peggy Smith". The signature is written in black ink and is positioned above the printed name.

Peggy Smith

Burt County Highway Superintendent

Papio-Missouri River Natural Resources District
Application for Road Structure Program

Applicant: Burt County

Date of Application: March 12nd, 2012

1. Location of Problem Area:

SW $\frac{1}{4}$ SE $\frac{1}{4}$ 16-23-10 (On Co Rd T Just off Old Hwy 118)

2. Description of the Problem:

Replacement of the existing 20'X150" welded steel truss bridge
is required due to structural defficiencies, load rating and
problems with upstream channel degradation.

3. Drainage area upstream of proposed project (in acres): 9400 ACRES

4. Approximate number of individual landowners directly affected: 4 land owners

5. Proposed Improvements (initial ideas): Replace existing deficient 20'X150'
Steel Truss bridge with a new double broke back quadruple barrel
16'X16' concrete box culvert. The replacement culvert will
remove approzimately 5' of gradient from the upstream
channel.

(Over)

6. Anticipated benefits of improvements outlined in #4 above:

Replacement of the existing bridge will eliminate the
above described structural deficiencies and improve Co Rd T
roadway safety and eliminate channel degradation problem
immediately upstream of the Co Rd T roadway crossing.

7. Estimated total cost of improvements outlined in Item #4 above:

\$300,000 to \$400,000

8. Proposed methods of financing (% by Federal, state, county, NRD):

NRD and Burt County

\$150,000 NRD

\$150,000 to \$250,000 Burt County

9. Contact individual for sponsor:

Name: Peggy Smith Burt County Highway Superintendent

Mailing Address: 111 N 13th St Suite 3

Tekamah, NE 68061

Phone #: 402-374-2944

Submit completed application with plans to:

Dick Sklenar
Papio-Missouri River NRD
8901 S. 154 St.
Omaha, NE 68138