

MEMORANDUM

TO: Programs Planning and Operations Subcommittee

Subject: Application for Road Structure Cost Sharing Assistance

Date: October 21, 2009

From: Dick Sklenar

The District has received an application from the Douglas County Highway Department for financial assistance under the District's Road Structure Program to replace an existing concrete box culvert. The replacement would be a 72 inch corrugated pipe culvert with a drop inlet that would remove approximately 8 feet of grade from the drainageway. The site is located about ½ mile west of the intersection of 204th and 'F' Street.

The objective of the District's Road Structure Program is to provide technical and financial assistance on eligible road structure projects located at stream crossings, or projects that would benefit county roadways or bridges, that are contracted by the County. Eligible projects require that a least five feet of grade must be removed from the channel and that plans and specifications for the project be reviewed by the District prior to the initiation of construction. The District level of financial assistance for projects amounts to 75% of total eligible construction cost not to exceed \$150,000 per project. Cost sharing assistance by the District shall not include those costs incurred by the County for guard rails, roadway surfacing, traffic signs or signals, relocation of utilities, purchase of land rights, engineering, inspection, administrative costs, and work performed by county personnel and equipment.

The total estimated cost of this project is expected to be approximately \$210,000 of which \$170,000 are eligible construction costs. The request for financial assistance for this project amounts to \$127,500 (75% of eligible costs).

- **The staff recommends that the Subcommittee recommends to the Board of Directors that the Douglas County Highway Department application for financial assistance on a road structure project located about 1/2 mile west of 204th and F Street be approved for financial assistance, not to exceed \$127,500 and subject to fiscal year 2011 budget.**

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

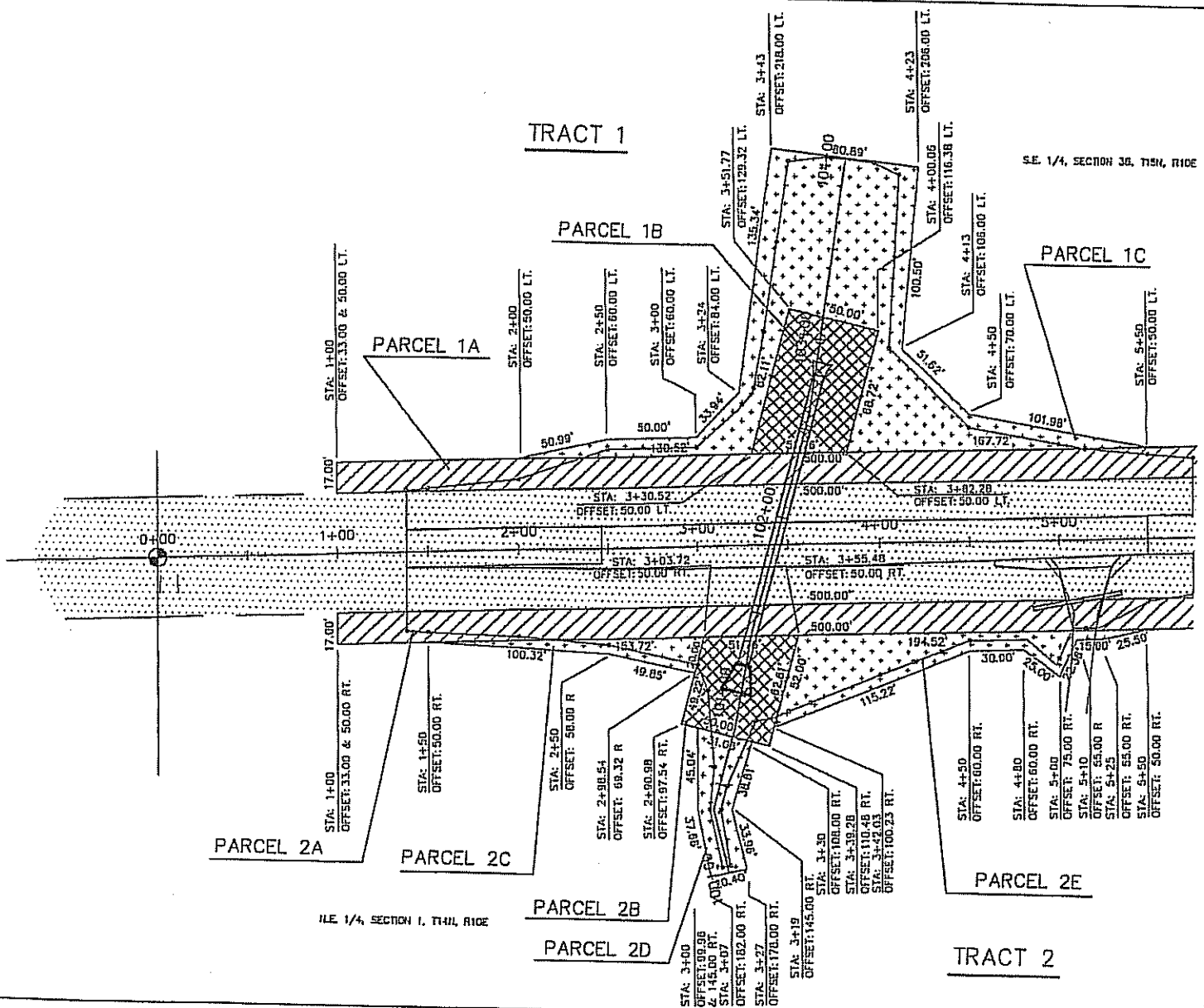
Applicant: Douglas County Engineer's Office

Date of Application: October 9, 2009

1. Location of Problem Area: On "F" Street, approximately 2,300' West of 204th Street (Highway 31)
2. Description of the Problem: Replacement of the existing 8'x8' x71' Reinforced Concrete Box Culvert is required due to the structure's hydraulic, geometric and structural deficiencies and problems with upstream channel degradation.
3. Drainage area upstream of proposed project (in acres): 148 Acres
4. Approximate number of individual landowners directly affected: 2 (See attached Right-of-Way Plan)
5. Proposed Improvements (Initial ideas): Replace existing deficient 8'x8'x71' Reinforced Concrete Box Culvert with new 72" CMP Broken Back Culvert with drop inlet. The inlet end, of the existing box culvert, has sustained extensive structural failure and the bed of the upstream channel is heavily degrading. It is estimated that the current flow is heavily degrading. It is estimated that the current flow elevation, at the entrance end of the existing culvert, is 1191.00 +/-, The replacement culvert will include the installation of a reinforced concrete drop inlet (weir elevation 1199.20 USGS) and will remove approximately 8' of gradient from the upstream channel.
6. Anticipated benefits of improvements outlined in #4 above: Replacement, of the existing Reinforced Concrete Box Culvert, will eliminate the above described hydraulic, geometric and structural deficiencies; improve "F" Street roadway safety and eliminate channel degradation problems immediately upstream of the "F" Street roadway crossing.
7. Estimated total cost of improvements outlined in Item #4 above: \$170,000.00 (Eligible Construction Cost)
8. Proposed methods of financing (% by Federal, state, county, NRD):
NRD Road Structure Program: \$127,500.00(75% of Eligible Costs)
Douglas County: \$ 42,500.00 (25% of Eligible Costs)
9. Contact individual for sponsor:
Name: Dan Kuttlek, P.E.
Engineering & Planning Manager
Mailing Address: Douglas County Engineer Office
15505 West Maple Road
Omaha, NE 68116
Phone #: (402) 444-6372

Submit completed application with plans to:

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



OWNERSHIP RECORD

TRACT NO.	OWNER	ADDRESS	DESCRIPTION	LAND ACQUISITION	PERMANENT EASEMENT	TEMPORARY EASEMENT
1	BAUGHMAN FAMILY LIMITED PARTNERSHIP	2004 N 141 ST OMAHA, NEBRASKA 68184	SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 36-T124-R16E IN DOUGLAS COUNTY, NEBRASKA	0.20 AC.	0.03 AC.	0.32 AC.
3	ROEMER FARMS, L.L.C.	2070 P ST COLUMBIA, NEBRASKA 68022	NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 01-T141-R16E IN DOUGLAS COUNTY, NEBRASKA	0.20 AC.	0.08 AC.	0.10 AC.

LEGEND

- EXISTING R.O.W.
- LAND ACQUISITION
- PERMANENT EASEMENT
- TEMPORARY EASEMENT

