

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

FROM: Martin P. Cleveland

SUBJECT: Turtle Creek Watershed Structure #2
Rehabilitation Project Bids

DATE: June 3, 2008

Attached is a location map for the referenced earthen dam rehabilitation project. This project will rehabilitate a 1962 vintage dam to eliminate risk to development (houses and roads), that are located downstream of the dam.

The bid summary for the rehabilitation project is as follows:

	TOTAL BASE BID FOR Turtle #2
NRCS ENGINEER'S ESTIMATE	\$635,181.00
Negus-Sons, Inc.	\$497,186.04
M.E. Collins Contracting Co. Inc.	\$570,624.50
Vrana	\$558,777.90
Neuvirth's Inc.	\$544,773.62
Yost Excavating	\$523,260.50
Dostals Construction Co. Inc.	\$739,635.10

See attached detailed bid summary for individual items.

Bid was received and the apparent low bidder is Negus-Sons, Inc., with a total base bid of \$ 497,186.04. The Engineer's Estimate of Construction Cost by NRCS is \$ 635,181.00.

This work will be funded via funds included in (account 03 12 4479). The proposed Fiscal Year 2009 budget includes \$1,780,000 in this account for this project and other projects. The Natural Resources Conservation Service will reimburse the District for approximately 65% of the total project costs (right of way and construction).

- **It is Management's recommendation that the Subcommittee recommend to the Board of Directors that the General Manger be authorized to execute a contract with Negus-Sons, Inc., for a total base bid of \$497,186.04 for construction of the Turtle Creek Watershed Structure #2 Rehabilitation Project.**

Summary of Bid Proposals

Project: Turtle Creek Watershed Structure #2
Rehabilitation Project

NRD Project No. 501

Opening Date: June 2, 2008

Opening Time: 2:00 p.m.

Bidder Name:	1	2	3	4	5	6
	Negus-Sons, Inc.	Yost Excavating	Neuvirth's Inc.	Vrana	M.E. Collins	Dostals Construction Co. Inc.
1. Total Base Bid for Turtle Creek Watershed Structure #2	\$497,186.04	\$523,260.50	\$544,773.62	\$558,777.90	\$570,624.50	\$739,635.10
Bid Bond (5%) Yes/No	Yes	Yes	Yes	Yes	Yes	Yes

*Apparent Low Bidder is Negus-Sons, Inc. \$497,186.04

** NRCS Engineer's Estimate of Cost is \$635,181.00

**Watershed Rehabilitation Program
Turtle Creek Watershed Structure No. 2
Bid Summary - Bid Opening June 2, 2008**

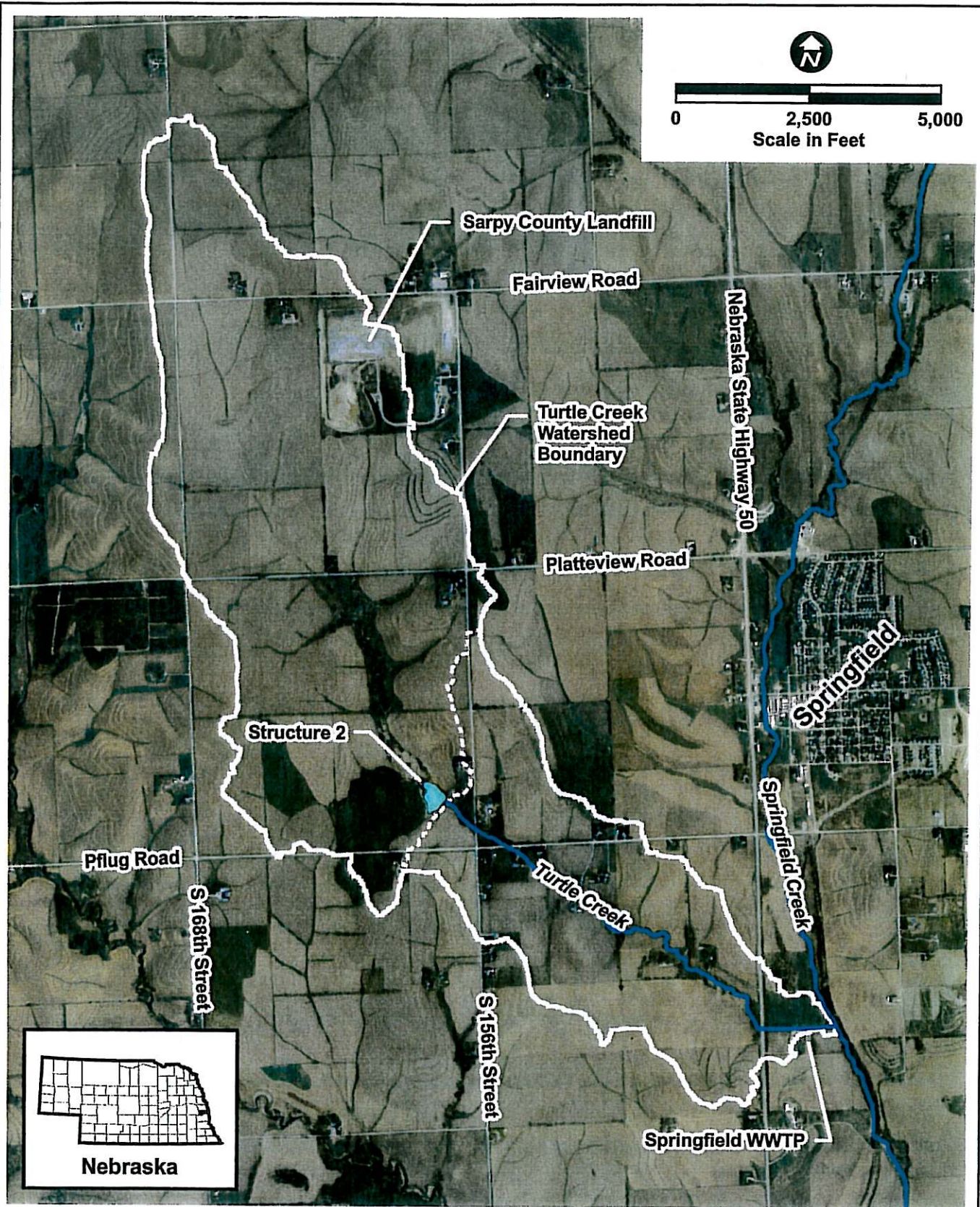
Item	Description	Spec.#	Quantity	Unit	Engineer's Estimate of Probable Construction Cost			Dostals Const. Co. Inc.			M.E. Collins Contracting Co. Inc.			Negus-Sons Inc.		
					Unit Cost	Total Cost	Math Check	Unit Cost	Total Cost	Math Check	Unit Cost	Total Cost	Math Check	Unit Cost	Total Cost	Math Check
1	Mobilization and Demobilization	8	1	LS	\$ 20,000.00	\$ 20,000.00	\$10,000.00	\$10,000.00	\$14,700.00	\$14,700.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	
2	Construction Surveys	7	1	LS	\$ 12,000.00	\$ 12,000.00	\$15,000.00	\$15,000.00	\$4,000.00	\$4,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	
3	Contractor Quality Control	94	1	LS	\$ 25,000.00	\$ 25,000.00	\$15,000.00	\$15,000.00	\$21,500.00	\$21,500.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	
4	Water for Construction	10	2	1,000 GALS	\$ 25.00	\$ 50.00	\$2,000.00	\$4,000.00	\$24.00	\$48.00	\$25.00	\$50.00	\$50.00	\$50.00	\$50.00	
5	Removal of Water	11	1	LS	\$ 10,000.00	\$ 10,000.00	\$30,000.00	\$30,000.00	\$39,300.00	\$39,300.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	
6	Excavation, Common	21	12,532	CY	\$ 3.50	\$ 43,862.00	\$7.50	\$93,990.00	\$7.90	\$99,002.80	\$4.00	\$50,128.00	\$4.00	\$50,128.00	\$4.00	
7	Earthfill, Class A	23	4,311	CY	\$ 4.00	\$ 17,244.00	\$10.00	\$43,110.00	\$3.90	\$16,812.90	\$3.40	\$14,657.40	\$3.40	\$14,657.40	\$3.40	
8	Drainfill	24	199	CY	\$ 55.00	\$ 10,945.00	\$30.00	\$5,970.00	\$54.20	\$10,785.80	\$57.00	\$11,343.00	\$57.00	\$11,343.00	\$57.00	
9	Salvaging and Spreading Topsoil	26	12,230	SY	\$ 1.50	\$ 18,345.00	\$1.75	\$21,402.50	\$1.00	\$12,230.00	\$0.55	\$6,726.50	\$0.55	\$6,726.50	\$0.55	
10	Concrete, Class 4000	31	402	CY	\$ 500.00	\$ 201,000.00	\$700.00	\$281,400.00	\$400.00	\$160,800.00	\$430.00	\$172,860.00	\$430.00	\$172,860.00	\$430.00	
11	Steel Reinforcement	34	81,874	LB	\$ 2.00	\$ 1,637,480.00	\$1.40	\$1,146,236.00	\$1.10	\$90,061.40	\$1.35	\$111,348.64	\$1.35	\$111,348.64	\$1.35	
12	PVC Plastic Pipe, 6" Diameter, Medium Slotted	446	212	LF	\$ 12.50	\$ 2,662.50	\$20.00	\$4,240.00	\$35.10	\$7,441.20	\$16.00	\$3,392.00	\$16.00	\$3,392.00	\$16.00	
13	Fence, Chain Link	91	273	LF	\$ 40.00	\$ 10,920.00	\$30.00	\$8,190.00	\$57.80	\$15,779.40	\$25.00	\$6,825.00	\$25.00	\$6,825.00	\$25.00	
14	Not Used		0		\$ -	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
15	Geotextile	95	1,591	SY	\$ 2.00	\$ 3,182.00	\$4.00	\$6,364.00	\$4.40	\$7,000.40	\$3.50	\$5,568.50	\$3.50	\$5,568.50	\$3.50	
16	Rock Riprap	212	891	CY	\$ 85.00	\$ 75,735.00	\$45.00	\$40,095.00	\$59.60	\$52,212.60	\$57.00	\$50,787.00	\$57.00	\$50,787.00	\$57.00	
17	Pollution Control	5	1	LS	\$ 5,000.00	\$ 5,000.00	\$25,000.00	\$25,000.00	\$8,100.00	\$8,100.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	
18	Seeding and Mulching	6	4.5	ACRE	\$ 1,000.00	\$ 4,500.00	\$2,500.00	\$11,250.00	\$1,100.00	\$4,950.00	\$1,000.00	\$4,500.00	\$1,000.00	\$4,500.00	\$1,000.00	
19	Structure Removal	3	1	LS	\$ 10,000.00	\$ 10,000.00	\$10,000.00	\$10,000.00	\$5,900.00	\$5,900.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	
Totals						\$ 635,181.00	\$ 739,635.10	\$ 739,635.10	\$ 570,624.50	\$ 570,624.50	\$ 497,186.04	\$ 497,186.04	\$ 497,186.04	\$ 497,186.04	\$ 497,186.04	\$ 497,186.04

Summary of Bidders

Negus-Sons Inc.	\$ 497,186.04
Yost Excavating Inc.	\$ 523,260.50
Neuwirth's Construction Inc.	\$ 544,773.62
Chas. Vrana & Son Construction Co.	\$ 556,777.90
M.E. Collins Contracting Co. Inc.	\$ 570,624.50
Dostals Const. Co. Inc.	\$ 739,635.10
Engineer's	\$ 635,181.00

Item	Description	Spec.#	Quantity	Unit	Neuvirth's Construction Inc.			Chas. Vrana & Son Construction Co.			Yost Excavating Inc.		
					Unit Cost	Total Cost	Math Check	Unit Cost	Total Cost	Math Check	Unit Cost	Total Cost	Math Check
1	Mobilization and Demobilization	8	1	LS	\$8,750.00	\$8,750.00	\$8,750.00	\$52,500.00	\$52,500.00	\$52,500.00	\$40,000.00	\$40,000.00	\$40,000.00
2	Construction Surveys	7	1	LS	\$13,400.00	\$13,400.00	\$13,400.00	\$21,000.00	\$21,000.00	\$21,000.00	\$9,500.00	\$9,500.00	\$9,500.00
3	Contractor Quality Control	94	1	LS	\$23,460.00	\$23,460.00	\$23,460.00	\$70,000.00	\$70,000.00	\$70,000.00	\$6,000.00	\$6,000.00	\$6,000.00
4	Water for Construction	10	2	1,000 GALS	\$610.00	\$1,220.00	\$1,220.00	\$200.00	\$400.00	\$400.00	\$1,000.00	\$2,000.00	\$2,000.00
5	Removal of Water	11	1	LS	\$16,500.00	\$16,500.00	\$16,500.00	\$12,000.00	\$12,000.00	\$12,000.00	\$75,000.00	\$75,000.00	\$75,000.00
6	Excavation, Common	21	12,532	CY	\$2.63	\$32,959.16	\$32,959.16	\$2.40	\$30,076.80	\$30,076.80	\$4.10	\$51,381.20	\$51,381.20
7	Earthfill, Class A	23	4,311	CY	\$4.20	\$18,106.20	\$18,106.20	\$2.20	\$9,484.20	\$9,484.20	\$7.30	\$31,470.30	\$31,470.30
8	Drainfill	24	199	CY	\$47.80	\$9,512.20	\$9,512.20	\$100.00	\$19,900.00	\$19,900.00	\$90.00	\$17,910.00	\$17,910.00
9	Salvaging and Spreading Topsoil	26	12,230	SY	\$1.07	\$13,086.10	\$13,086.10	\$1.40	\$17,122.00	\$17,122.00	\$1.25	\$15,287.50	\$15,287.50
10	Concrete, Class 4000	31	402	CY	\$526.00	\$211,452.00	\$211,452.00	\$340.00	\$136,680.00	\$136,680.00	\$260.00	\$104,520.00	\$104,520.00
11	Steel Reinforcement	34	81,874	LB	\$1.27	\$103,979.98	\$103,979.98	\$1.10	\$90,061.40	\$90,061.40	\$1.00	\$81,874.00	\$81,874.00
12	PVC Plastic Pipe, 6" Diameter, Medium Slotted	446	212	LF	\$7.00	\$1,484.00	\$1,484.00	\$20.00	\$4,240.00	\$4,240.00	\$22.00	\$4,664.00	\$4,664.00
13	Fence, Chain Link	91	273	LF	\$60.00	\$16,380.00	\$16,380.00	\$55.00	\$15,015.00	\$15,015.00	\$66.00	\$18,018.00	\$18,018.00
14	Not Used		0		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	Geotextile	95	1,591	SY	\$4.48	\$7,127.68	\$7,127.68	\$3.50	\$5,568.50	\$5,568.50	\$4.00	\$6,364.00	\$6,364.00
16	Rock Riprap	212	891	CY	\$44.30	\$39,471.30	\$39,471.30	\$45.00	\$40,095.00	\$40,095.00	\$36.50	\$32,521.50	\$32,521.50
17	Pollution Control	5	1	LS	\$13,860.00	\$13,860.00	\$13,860.00	\$3,000.00	\$3,000.00	\$3,000.00	\$12,500.00	\$12,500.00	\$12,500.00
18	Seeding and Mulching	6	4.5	ACRE	\$1,250.00	\$5,625.00	\$5,625.00	\$1,030.00	\$4,635.00	\$4,635.00	\$1,500.00	\$6,750.00	\$6,750.00
19	Structure Removal	3	1	LS	\$8,400.00	\$8,400.00	\$8,400.00	\$27,000.00	\$27,000.00	\$27,000.00	\$7,500.00	\$7,500.00	\$7,500.00
Totals						\$544,773.62	\$544,773.62		\$568,777.90	\$568,777.90		\$523,260.50	\$523,260.50

Z:\NRC\28686_Dam_Rehab_Task_Order_2\map_docs\arcmap\Turtle_Creek_Project_Location_Map.mxd



Source: Aerial Photography, Metropolitan Area Planning Agency, flown by Horizons Inc. in April 2004.



Project Location Map Turtle Creek Watershed Structure 2

NRCS Watershed Rehabilitation Program

DATE	Nov 2005
FIGURE	1