



# LOWER PLATTE SOUTH natural resources district

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AGENDA ITEM #10

## Memorandum

**Date:** February 11, 2022  
**To:** Each Director  
**From:** Paul Zillig, General Manager  
**Subject:** Water Resources Subcommittee Meeting

The Water Resources Subcommittee will meet via ZOOM at Noon on Tuesday, February 15, 2022. Listed below and attached is the background information on the agenda item that will require Board action.

### **Item 10a – Consideration of proposals for repairs to Upper Salt Creek Watershed Dam 5-7.**

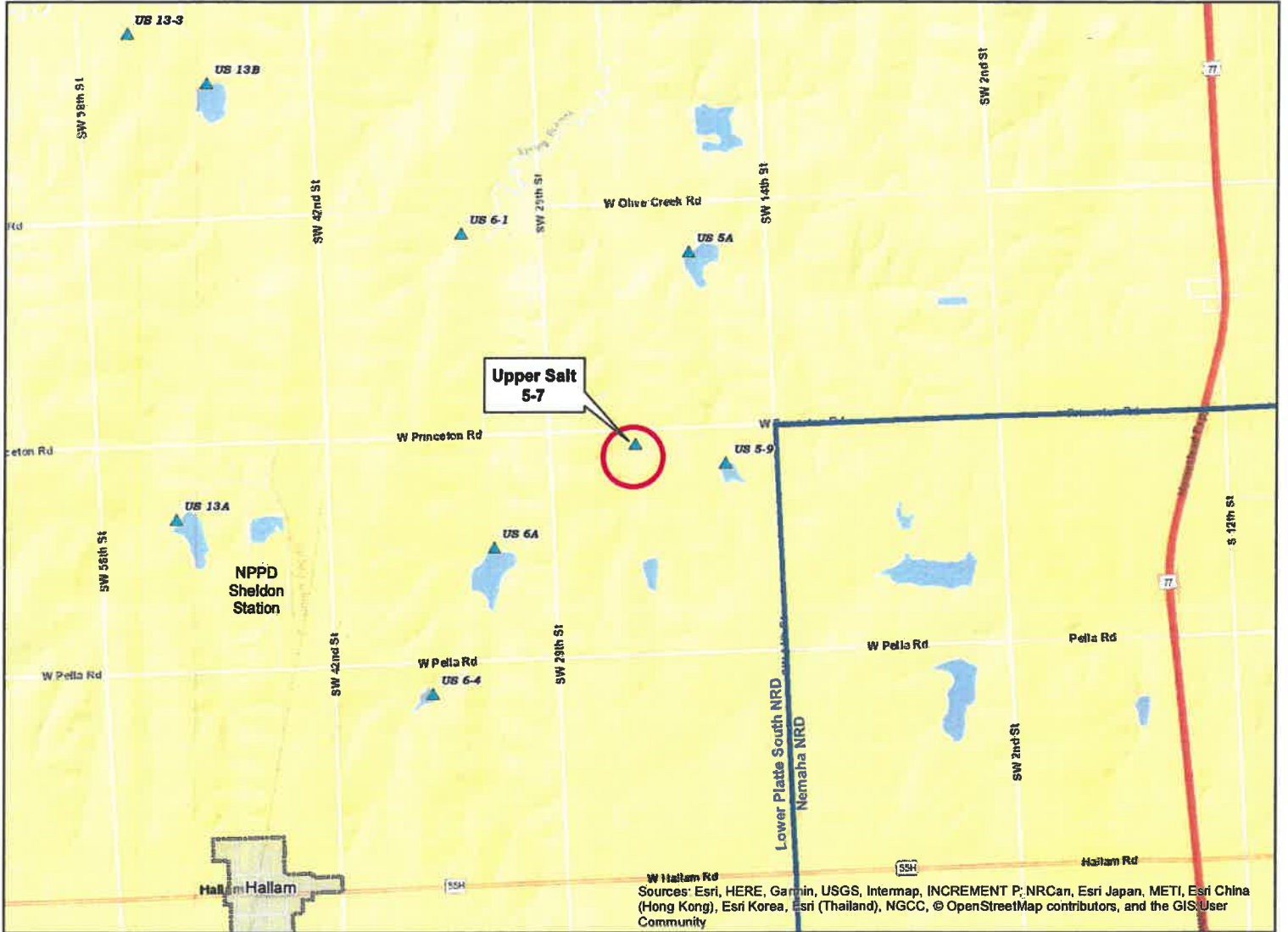
Upper Salt 5-7 is a dam located 2 miles northeast of Hallam (see attached map and aerial photo). The dam was built in 1955 with federal assistance from USDA Natural Resources Conservation Service and the Lancaster Soil Conservation District (predecessor to the NRD). Last year's video inspection of the pipe showed severe corrosion and the NRD hired FYRA Engineering in August to prepare plans to replace the pipe. Plans were prepared and the NRD advertised to receive bids to complete the work. A memo from Mike Sotak of FYRA is attached reporting on the 5 bids received and the engineer's recommendation to accept the low bid from Tim Sisco Construction of Sterling, Nebraska. The Water Resources Subcommittee will review the information and prepare their recommendation at their Meeting on Tuesday.

PDZ/pz

Encl. 3

Cc: Steve Seglin & Corey Wasserburger

# Upper Salt 5-7, Lancaster County



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

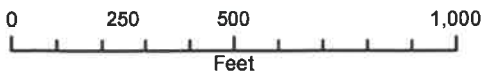
\*\*\* NOTICE \*\*\*



This diagram is not filed with the easements at the Register of Deeds. The NRD has generated this diagram to show the location based on the legal descriptions provided in easement documents.



### Upper Salt 5-7 Easement - NW Sec 21, T7N-R6E



Map By: Lower Platte South NRD, sdr - August 2021



10 February 2022

Craig Matulka  
Lower Platte South NRD  
3125 Portia Street  
Lincoln, NE 68521

Re: Upper Salt 5-7 Spillway Replacement – Engineer’s Recommendation

Dear Craig:

The bid opening for the above-referenced project was held at the LPSNRD on 9 February 2022. The low bid of \$122,625.92 was received from Tim Sisco Construction of Sterling, NE. This bid was \$7,499.86 below the Engineer’s Opinion of Probable Costs that totaled \$130,125.78 (but also included 25% contingencies.) All required documents accompanied the bid. The other four bids are listed below:

General Excavating	\$250,975.40
MC Wells Construction	\$178,141.50
Nebraska Digging	\$132,287.95
Bauer Infrastructure	\$205,122.25

The \$60.00 unit cost for the riprap in the engineer’s estimate is outdated. There has been a recent spike in riprap costs and I failed to update that to our estimate, after updating an old estimate. Therefore, I feel that the bid is right in line with what we would expect and hope to see.

FYRA has worked with Tim Sisco Construction in the past and believes that they are a quality contractor. I believe you also stated that Tim performed a job for LPSNRD recently and it was a good experience.

For the reasons stated above, my recommendation is to award the project to Tim Sisco Construction and begin the contracting process upon Board approval. With Tim’s current workload, he told me that he plans to start this project around June 1<sup>st</sup>. The current substantial completion date is 30 June 2022 as detailed in the contract documents. Except for wet weather, I believe as long as he orders materials ahead of time, I don’t feel he will have trouble completing the project in a month. As always, please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael K. Sotak', written over a light blue horizontal line.

Michael K. Sotak, P.E., D.WRE

SUMMARY TABLE OF QUANTITIES			Engineer's Estimate		Tim Sisco Construction			MC Wells Contracting		General Excavating		Nebraska Digging		Bauer Infrastructure	
ITEM	Unit	Total	Unit Cost	Extension	Unit Cost	Extension	+/- Engrs Est.	Unit Cost	Extension	Unit Cost	Extension	Unit Cost	Extension	Unit Cost	Extension
MOBILIZATION	LS	1	\$9,464.00	\$9,464.00	\$7,000.00	\$7,000.00	\$2,464.00	\$15,000.00	\$15,000.00	\$26,000.00	\$26,000.00	\$7,500.00	\$7,500.00	\$18,000.00	\$18,000.00
CLEARING AND GRUBBING	LS	1	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$500.00	\$3,000.00	\$3,000.00	\$6,000.00	\$6,000.00	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00
SEDIMENT AND EROSION CONTROL	LS	1	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$500.00	\$1,500.00	\$1,500.00	\$4,800.00	\$4,800.00	\$6,500.00	\$6,500.00	\$5,600.00	\$5,600.00
HANDLING OF WATER	LS	1	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$500.00	\$3,000.00	\$3,000.00	\$23,800.00	\$23,800.00	\$5,000.00	\$5,000.00	\$9,500.00	\$9,500.00
STRIP, STOCKPILE AND REPLACE TOPSOIL	SY	447	\$3.00	\$1,341.00	\$14.50	\$6,481.50	\$5,140.50	\$19.00	\$8,493.00	\$3.00	\$1,341.00	\$6.00	\$3,576.00	\$10.00	\$4,470.00
EXCAVATE, STOCKPILE AND REPLACE DAM EMBANKMENT	CY	662	\$8.25	\$5,461.50	\$10.00	\$6,620.00	\$1,158.50	\$30.00	\$19,860.00	\$60.00	\$39,720.00	\$28.00	\$16,536.00	\$40.00	\$26,480.00
EXCAVATION FOR PLUNGE POOL	CY	151	\$3.00	\$453.00	\$10.00	\$1,510.00	\$1,057.00	\$20.00	\$3,020.00	\$20.00	\$3,020.00	\$12.00	\$1,812.00	\$25.00	\$3,775.00
PS PIPE REMOVAL/DISPOSAL	LF	88	\$20.00	\$1,720.00	\$25.00	\$2,150.00	\$430.00	\$20.00	\$1,720.00	\$60.00	\$5,160.00	\$23.00	\$1,978.00	\$30.00	\$2,580.00
PS RISER AND DRAWDOWN REMOVAL/DISPOSAL	EA	1	\$600.00	\$600.00	\$1,700.00	\$1,700.00	\$1,100.00	\$1,500.00	\$1,500.00	\$2,880.00	\$2,880.00	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00
54" DIAMETER HDPE 7' TALL RISER WITH 42" CONNECTION	EA	1	\$9,000.00	\$9,000.00	\$12,000.00	\$12,000.00	\$3,000.00	\$40,000.00	\$40,000.00	\$25,540.00	\$25,540.00	\$33,359.00	\$33,359.00	\$10,000.00	\$10,000.00
DEBRIS RACK FOR 54" DIAMETER RISER WITH ANTI-VORTEX	EA	1	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00	\$1,500.00	\$4,000.00	\$4,000.00	\$7,261.00	\$7,261.00	\$3,329.00	\$3,329.00	\$4,050.00	\$4,050.00
42" DIAMETER HDPE PRINCIPAL SPILLWAY PIPE	LF	88	\$460.00	\$38,720.00	\$310.00	\$26,880.00	\$12,040.00	\$179.00	\$15,862.00	\$480.00	\$41,760.00	\$60.00	\$5,160.00	\$80.00	\$6,880.00
CONCRETE FOR RISER BASE	CY	1.6	\$900.00	\$1,440.00	\$800.00	\$1,280.00	\$160.00	\$800.00	\$1,280.00	\$3,180.00	\$5,088.00	\$1,000.00	\$1,600.00	\$1,125.00	\$1,800.00
CONCRETE FOR PIPE SUPPORT	CY	1.4	\$900.00	\$1,260.00	\$1,200.00	\$1,680.00	\$480.00	\$500.00	\$1,150.00	\$5,540.00	\$7,756.00	\$1,000.00	\$1,400.00	\$1,825.00	\$2,595.00
STEEL REINFORCING BARS FOR RISER	LBS	56.1	\$1.25	\$70.13	\$13.00	\$729.30	\$659.18	\$15.00	\$841.50	\$5.00	\$330.50	\$6.00	\$448.80	\$2.50	\$140.25
STEEL REINFORCING BARS FOR PIPE SUPPORT	LBS	294.8	\$1.25	\$331.00	\$4.40	\$1,155.12	\$824.12	\$15.00	\$3,372.00	\$6.00	\$1,598.80	\$8.00	\$2,118.40	\$2.50	\$692.00
GRAVEL ROCK RIPRAP	TN	15	\$90.00	\$1,350.00	\$50.00	\$1,200.00	\$150.00	\$250.00	\$3,750.00	\$300.00	\$4,500.00	\$170.00	\$2,550.00	\$300.00	\$4,500.00
CLASS 10 RIPRAP	TN	151	\$60.00	\$10,860.00	\$110.00	\$16,610.00	\$5,950.00	\$109.00	\$19,729.00	\$117.00	\$21,177.00	\$75.00	\$13,575.00	\$105.00	\$19,800.00
DIAPHRAGM FILTER AGGREGATE	TN	36	\$43.00	\$1,440.00	\$85.00	\$2,340.00	\$900.00	\$37.00	\$1,332.00	\$99.00	\$3,564.00	\$100.00	\$3,600.00	\$175.00	\$6,300.00
GEOTEXTILE FILTER FABRIC	SY	237	\$2.00	\$474.00	\$6.00	\$1,422.00	\$948.00	\$2.00	\$474.00	\$8.00	\$1,896.00	\$4.75	\$1,125.75	\$10.00	\$2,370.00
6" SOLID WALL PVC DIAPHRAGM FILTER DRAIN PIPE	LF	58	\$12.00	\$696.00	\$6.00	\$336.00	\$360.00	\$60.00	\$3,360.00	\$68.00	\$3,864.00	\$35.00	\$1,960.00	\$96.00	\$5,320.00
6" SLOTTED WALL PVC DIAPHRAGM FILTER DRAIN PIPE WITH SOCK	LF	22	\$12.00	\$264.00	\$6.00	\$132.00	\$132.00	\$80.00	\$1,760.00	\$53.00	\$1,166.00	\$30.00	\$770.00	\$80.00	\$1,760.00
SEEDING	AC	2.0	\$900.00	\$1,800.00	\$2,500.00	\$5,000.00	\$3,200.00	\$5,000.00	\$10,000.00	\$3,200.00	\$6,400.00	\$3,000.00	\$6,000.00	\$4,000.00	\$8,000.00
REMOVE AND REPLACE FENCING	LF	270	\$10.00	\$2,700.00	\$15.00	\$4,050.00	\$1,350.00	\$50.00	\$13,500.00	\$12.00	\$3,240.00	\$20.00	\$5,400.00	\$17.00	\$4,590.00
INSTALL TEMPORARY CONSTRUCTION FENCING	LF	220	\$10.00	\$2,200.00	\$18.00	\$3,960.00	\$1,760.00	\$4.00	\$880.00	\$18.00	\$3,960.00	\$4.50	\$990.00	\$17.00	\$3,740.00
				Sub-Total	\$104,100.63	\$122,625.92		\$176,141.80		\$250,975.40		\$132,287.95		\$205,122.25	
				Contingencies @ 20%	\$20,820.13	\$24,525.18									
				Total	\$124,920.76	\$147,151.10		\$176,141.80		\$250,975.40		\$132,287.95		\$205,122.25	