

DRAINAGE MEETING

JOINT DISTRICTS BOONE #93B-STORY #4 & BOONE #28-STORY #1

AUGUST 7, 2019

The Drainage District Trustees of Boone and Story Counties met in a telephone conference call in Conference Room A in the Story County Administration Building in Nevada to consider a preliminary estimate for a repair project in Joint Drainage District Boone #93B-Story #4 and an Engineer's Report in Joint Drainage District Boone #28-Story #1, both Boone County controlling. Members present were Stephen Duffy, chair, Chad Behn, and Bill Zinnel of Boone County and Linda Murken and Lauris Olson of Story County. Also present were Boone County Auditor Phil Meier and Drainage Clerk Kaitlynn Moran and Story County Engineer Darren Moon and Drainage Clerk Scott Wall and Drainage Engineers Kent Rode and Tyler Conley from Bolton & Menk, Inc.

Duffy called the meeting to order at 9:05 a.m. and asked Rode to talk about Boone #93B-Story #4.

Rode said there is a blockage of the main district tile where it runs along the south side of Lincoln Way next to King's Terrace Mobile Home Park. The presence of the mobile homes, a septic system serving them, and many mature trees would make repair or replacement of the tile difficult and an adjacent landowner (Steve Kaltenhauser) has offered to let the district re-route the tile on his land, south of the mobile home park as indicated by the map (attached) submitted by Rode. The estimate of cost (attached) is not based on a full survey but just a brief assessment of the site. Because the estimate exceeds \$50,000 Rode recommends getting an Engineer's Report which will include a complete survey. The report will determine the feasibility of the tile relocation and may indicate better options for repair. This will be a repair, not an improvement but still requires a public hearing due to the estimated cost.

Olson asked if there was a Plan B should the proposed relocation not prove to be feasible.

Rode said not at this time but the Engineer's Report could very well uncover alternative options.

Wall said this project was initiated at the request of a landowner in the district and, because the trustees are now aware that there is a problem, there is an obligation under the Code to make any necessary repairs.

Rode asked if there was something in writing as many district trustees like to have a paper trail to justify the cost of repairs.

It was determined that Kaltenhauser had discussed this with Boone County Engineer Scott Kruse but never submitted a written request. Boone County would like to have such a request before proceeding.

Murken asked if Kruse could get something in writing from Kaltenhauser.

Behn moved, seconded by Olson, to table the Boone #93B-Story #4 proposal pending a written request for repairs from a district landowner or landowners. Motion carried unanimously (MCU).

Duffy moved to the second agenda item, the Boone #28-Story #1 Engineer's Report.

Rode went over the Engineer's Report (on file in the Boone and Story County Auditor's Offices). The district was established in 1907 and the open ditch was cleaned and extended in 1951. There were smaller cleanouts of portions of the open ditch following the improvement but no comprehensive cleaning. The report recommends that the existing open ditch be cleaned of silt and that damaged side slopes be repaired along with rusted and/or damaged tiles where they enter the ditch. It also recommends creating a formal

right-of-way along the open ditch (currently the ROW is assumed). This can be done later in the process. The first step is for the trustees to schedule a public hearing to present the report to district landowners and get feedback from them.

Rode had targeted September 18 as a potential date for a public hearing.

Following some discussion about a time and place Murken moved, seconded by Behn, to hold a public hearing at United Community School at 6:30 p.m. on September 18. MCU.

Murken asked about the report's reference to water quality issues.

Rode replied that he many of the water quality solutions he sees as viable would have to be undertaken by the landowners rather than the district. He feels it is important to include something about water quality in his reports so the landowners will think about what they can do but water quality is not what the Engineer's Report is about.

Murken asked if IDALS funding can be used to help cover the cost of water quality issues outlined in the report.

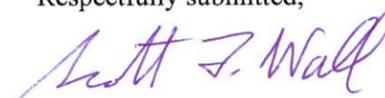
Rode said that is a possibility but IDALS is really focused on the projects that it already has in the pipeline now, one of which is on the Iowa State University lands in this district.

Rode mentioned that the areas in red on page A.02 of the plans are not included in the current assessment schedule. While there are reasons to exclude lands from a drainage district it is more likely these areas should be included and they could be brought in through the classification process.

There were some questions about who will be responsible for maintaining the IDALS projects once they have been completed. Rode said IDALS will fund the construction of the artificial wetlands over drain tiles and the district will remain responsible for maintaining the tile but any wetland maintenance will likely be the landowner's responsibility.

Zinnel moved, seconded by Murken, to adjourn, MCU. Meeting adjourned at 9:40 a.m.

Respectfully submitted,



Scott T. Wall

**Engineer's Opinion of Probable Cost
Proposed Tile Repair
Joint Drainage District No. 4
Boone & Story Counties, Iowa
2019**

Iowa Code Chapter 468.126 Repairs and improvements.

1. When any levee or drainage district has been established and the improvement constructed, the improvement shall be at all times under the supervision of the board of supervisors except as otherwise provided for control and management by a board of trustees and the board shall keep the improvement in repair as provided in this section.

a. The board at any time on its own motion, without notice, may order done whatever is necessary to restore or maintain a drainage or levee improvement in its original efficiency or capacity, and for that purpose may remove silt and debris, repair any damaged structures, remove weeds and other vegetable growth, and whatever else may be needed to restore or maintain such efficiency or capacity or to prolong its useful life.

b. The board may at any time obtain an engineer's report regarding the most feasible means of repairing a drainage or levee improvement and the probable cost of making the repair. If the engineer advises, or the board otherwise concludes that permanent restoration of a damaged structure is not feasible at the time, the board may order temporary construction it deems necessary to the continued functioning of the improvement. If in maintaining and repairing tile lines the board finds from an engineer's report it is more economical to construct

a new line than to repair the existing line, the new line may be considered to be a repair.

c. If the estimated cost of the repair does not exceed fifty thousand dollars, the board may order the work done without conducting a hearing on the matter. Otherwise, the board shall set a date for a hearing and provide notice of the hearing to landowners in the district by publication in the same manner as provided in section 468.15. However, if the estimated cost of the repair exceeds the adjusted competitive bid threshold, the board shall provide notice to the landowners pursuant to sections 468.14 through 468.18. The board shall not divide a proposed repair into separate programs in order to avoid the notice and hearing requirements of this paragraph.

d. If a hearing is required under paragraph "c", the board shall order an engineer's report or a report from the soil and water conservation district conservationist regarding the matter to be presented at the hearing. The board may waive the report requirement if a prior report on the repair exists and that report is less than ten years old. At the hearing, the board shall hear objections to the feasibility of making the proposed repair.

**Engineer's Opinion of Probable Cost
Proposed Tile Repair
Joint Drainage District No. 4
Boone & Story Counties, Iowa
2019**

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STORY COUNTY IOWA

Division 1 - Main Tile on Private Land

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total</u>
101	Drain Tile, Trenched, 2000D RCP, 24" Dia.	LF	1,640	\$40	\$65,600
102	SW-512 Intake 30" Dia.	EA	2	\$2,500	\$5,000
103	Lateral Tile Connections, 10" Dia. Or Smaller	EA	3	\$250	\$750
104	Trench Foundation Stone	TN	115	\$25	\$2,875
105	Spot Tile Exploration	HR	8	\$150	\$1,200
106	Mobilization	LS	1	\$3,800	\$3,800
107	Construction Contingency	LS	1	\$7,775	\$7,775
Estimated Division 1 Subtotal					\$87,000

Division 2 - Main Tile on Road Right-of-Way

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total</u>
201	Drain Tile, Trenched, 3000D RCP, 24" Dia.	LF	66	\$45	\$2,970
202	Trench Compaction Testing	LS	1	\$1,000	\$1,000
203	Traffic Control	LS	1	\$500	\$500
204	Silt Fence, Installation and Removal	LF	100	\$3	\$300
205	Mobilization	LS	1	\$200	\$200
206	Construction Contingency	LS	1	\$530	\$530
Estimated Division 2 Subtotal					\$5,500

Division 3 - Lateral B on Private Land

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total</u>
301	Drain Tile, Trenched, 2000D RCP, 12" Dia.	LF	840	\$20	\$16,800
302	Trench Foundation Stone	TN	60	\$25	\$1,500
303	Spot Tile Exploration	HR	4	\$150	\$600
304	Mobilization	LS	1	\$900	\$900
305	Construction Contingency	LS	1	\$1,700	\$1,700
Estimated Division 3 Subtotal					\$21,500

Total Estimated Construction Cost \$114,000

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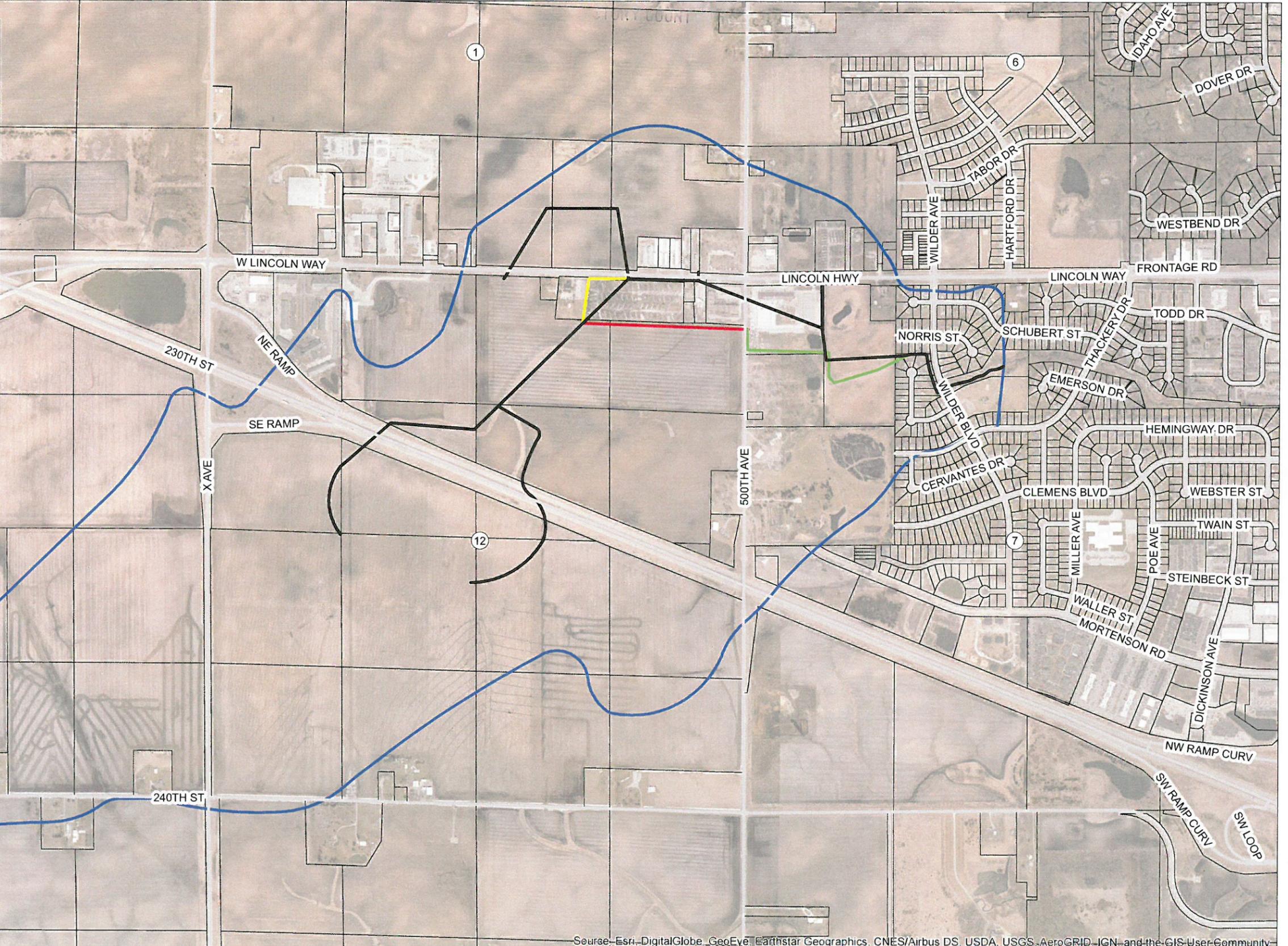
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Legend

- Roads
- Original Facilities
- Existing Facility Reroute
- 24" Proposed Facility
- 12" Proposed Facility
- Joint Drainage District No. 4
- Parcels

0 1,000 Feet

Source:



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