

DRAINAGE MEETING
DISTRICT RICHLAND #20 EAST TILE FORK
DECEMBER 4, 2019

The Story County Drainage District Trustees met in Conference Room A in the Story County Administration Building to consider a change order and pay request for a repair to the East Tile Fork of Drainage District Richland #20 where it crosses the Union Pacific Railroad south of Fernald. Members present were Linda Murken, chair, Lauris Olson, and Lisa Heddens. Also present were County Engineer Darren Moon and Drainage Clerk Scott Wall.

Murken called the meeting to order at 8:45 a.m.

Wall said the district had received a change order (attached) and payment request from the contractor. The original contract was for \$74,350.00 and the change order was for an additional \$25,500.00, bringing the final cost to \$99,850.00. The change order had been necessitated when it was discovered that the existing tile crossed the railroad right-of-way at an unanticipated angle. Changes required were additional stone, tile, and grout. Moon had requested additional information justifying the change and Project Engineer Kent Rode had responded with an email from the contractor describing the changes (attached). Rode was satisfied that the work had been completed satisfactorily and the change order was warranted.

Moon noted that the contractor had not billed the district for some of the additional stone and grout or for additional crew time when the existing tile had to be televised.

Olson moved, seconded by Heddens, to approve Change Order #1 for the Richland #20 East Tile Fork repair. Motion carried unanimously (MCU).

Olson moved, seconded by Heddens, to approve payment for the Richland #20 East Tile Fork repair. MCU.

Heddens moved, seconded by Olson, to adjourn. MCU. Meeting adjourned at 8:51 a.m.

Respectfully submitted,



Scott T. Wall

Scott T. Wall

From: Darren R. Moon
Sent: Tuesday, November 5, 2019 2:34 PM
To: 'Kent Rode'
Cc: Scott T. Wall
Subject: RE: Story County Drainage District No. 20

Kent,
I do anticipate possible questions from the board about this. Are you aware of anything in your specs pertaining to change orders or are we at the mercy of the bid prices? Seems like a 700% and 200% quantity overrun may warrant a change order with negotiated unit prices. Their unit prices were also 10 times your estimate due to the small quantities. I did not get to see what the additional work entailed. Do you think the price was fair for the additional work? Thanks,

—
Story County Engineer
837 N Ave.
Nevada, IA 50201
515-382-7359
dmoon@storycountyiowa.gov

From: Kent Rode <Kent.Rode@bolton-menk.com>
Sent: Monday, November 4, 2019 12:56 PM
To: Darren R. Moon <DMoon@storycountyiowa.gov>
Subject: FW: Story County Drainage District No. 20

[External Sender - Please Use Caution]
Darren,

Attached is a pay application and change order for the boring work in DD20. The change order is for the additional quantities needed due to the unanticipated sharp angle the tile was crossing the UPRR ROW. That work was unavoidable with the need to cross the UPRR ROW perpendicularly. Please let me know if you have any questions.

Thanks,

Kent L. Rode, P.E.
Senior Project Manager
Bolton & Menk, Inc.
Phone: 515-395-3140 ext. 3383
Mobile: 515-320-1873

From: Paige Thilges <Paige.Thilges@bolton-menk.com>
Sent: Monday, November 4, 2019 12:22 PM
To: 'Scott Wall' <swall@storycountyiowa.gov>
Cc: Kent Rode <Kent.Rode@bolton-menk.com>; Tyler Conley <Tyler.Conley@bolton-menk.com>
Subject: Story County Drainage District No. 20

Good afternoon Scott,

Attached is a copy of Pay App 1 and Change Order 1 for Story County DD 20. They are going out via UPS today so you should see them shortly.

Thank you

Paige Thilges

Administrative Assistant

Bolton & Menk, Inc.

1609 Hwy 18 East

Algona, IA 50511

Phone: 515-395-3140 ext. 3451

Bolton-Menk.com

Scott T. Wall

From: Darren R. Moon
Sent: Wednesday, November 6, 2019 8:24 AM
To: Scott T. Wall
Subject: FW: Story County DD20 Richland

fyi

Story County Engineer
837 N Ave.
Nevada, IA 50201
515-382-7359
dmoon@storycountyiowa.gov

From: Kent Rode <Kent.Rode@bolton-menk.com>
Sent: Tuesday, November 5, 2019 3:50 PM
To: Darren R. Moon <DMoon@storycountyiowa.gov>
Cc: Tyler Conley <Tyler.Conley@bolton-menk.com>
Subject: RE: Story County DD20 Richland

[External Sender - Please Use Caution]

Darren,

I called Iowa Trenchless. They were not willing to concede anything. They said that they had already conceded 35 TN of rock and \$1200 of televising. Also, there was additional couple days spent due to getting the pipe and the extremely wet conditions. They also pointed out that The Driller's bid prices were higher than theirs and total bid was inline with what their total price ended up being.

Not sure what more can be done at this point. However, I am very pleased with their quality of work.

Thanks,

Kent L. Rode, P.E.
Senior Project Manager
Bolton & Menk, Inc.
Phone: 515-395-3140 ext. 3383
Mobile: 515-320-1873

From: Kent Rode
Sent: Tuesday, November 5, 2019 3:12 PM
To: Darren R. Moon <DMoon@storycountyiowa.gov>
Subject: FW: Story County DD20 Richland

Darren,

Below is an email from Jason Klein that describes what was done. Please review and let me know if you still see any issues. I understand your concerns. We will ask Iowa Trenchless for a change in unit price due to the large quantity overrun and get back to you.

Thanks,

Kent L. Rode, P.E.

Senior Project Manager

Bolton & Menk, Inc.

Phone: 515-395-3140 ext. 3383

Mobile: 515-320-1873

From: Jason Klein <jasonk@iowatrenchless.com>

Sent: Friday, November 1, 2019 1:28 PM

To: Tyler Conley <Tyler.Conley@bolton-menk.com>; Kent Rode <Kent.Rode@bolton-menk.com>

Subject: Story County DD20 Richland

Tyler / Kent:

We finished up the work on this contract yesterday. See the attached invoice.

A couple of things I wanted to note:

- As I discussed with Tyler the other day, the location of the new tile crossing and relative to the angle at which the existing tile crossed the tracks resulted in a considerable amount more trenched tile than anticipated. The bid quantity was 43 LF, we ended up needing 127 LF to connect from the end of the bore back to the tile outside the ROW. That broke down to 33' on the east side (downstream) and 94' on the west side (upstream). These lengths were as short as we could manage without having any 90's or sharp bends on the pipe. The biggest culprit was that on the west side, the staked end of bore was 70' straight down the ROW line from the existing, and on the east side it was about 10-15'. In order to cross perpendicular to the track we couldn't really move it closer to the existing, and we obviously could not just 90 it out of the bore at the ROW and then 90 (or close to it) at the connection. I have attached the paperwork for the pipe. I originally ordered 80' from Core and Main back in September, thinking that would be plenty, but ended up having to run to ADS on Wednesday and get another 60' to complete the job. It is a good thing we switched from RCP to the HPPP, I don't think there would be any way we would be done if we had to order another 80'+ RCP.
- With that additional LF for the trenched item, there was also a need for additional trench foundation and bedding stone. That, and the site was really soft and sloppy, so it took a quite a bit more stone. And we made sure to bed and bring stone up at least half way or better to protect the pipe in the future, with it being so soft, not that deep and with ag equipment driving overtop. I have attached the truck tickets for 72 TN of stone that we actually used. I am only invoicing for half of that, or 35 TN.
- The last item was the grouting. We ended up using 8 CY of grout. We ordered 6 CY of grout to be safe and sure to have enough to fill the pipe and started to fill from the west side. After we had dumped all the grout and nothing came out the other side, we televised the tile and found rocks, wood and roots obstructing the grout flow. There may have also been some collapsing of the pipe, we aren't sure. So we had to order another 2 yards to dump in on the east side. Televising the line cost an additional \$1200 that was unexpected, without any markup or our crew time. An additional 3 CY will pay for the TV, and I'll just eat the cost of the additional grout. I have attached the truck tickets for the grout as well.

Let me know if you have any questions.

Thanks,

Jason (Jay) Klein, Project Engineer

Iowa Trenchless

CHANGE ORDER

No. 001

PROJECT: Drainage Repair

DATE OF ISSUANCE: November 4, 2019

EFFECTIVE DATE: November 12, 2019

OWNER: Drainage District No. 20, Story County, Iowa

ENGINEER'S Project No.: P13.117263

CONTRACTOR: Iowa Trenchless

ENGINEER: Bolton & Menk, Inc.

You are directed to make the following changes in the Contract Documents.

Description:

Additional Foundation Stone, 12" Drain Tile, and Concrete Grout.

Reason for Change Order:

Due to the existing tile crossing the railroad tracks at an unanticipated angle more stone, tile, and grout were required to make the appropriate connection to the newly installed pipe.

Attachments: (List documents supporting change)

Attachment A – Itemized changes in Quantities; Attachment B – Price quote from Reutzel Excavating.

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price	Original Contract Times
<u>\$74,350.00</u>	Substantial Completion : ___ days or dates Ready for final payment : ___ days or dates
Net changes from previous Change Orders No. ___ to No. ___	Net changes from previous Change Orders No. ___ to No. ___
<u>\$0</u>	___ days
Contract Price Prior to this Change Order	Contract Times prior to this Change Order
<u>\$74,350.00</u>	Substantial Completion : ___ days or dates Ready for final payment : ___ days or dates
Net Increase of this Change Order	Net (Increase/Decrease/No Change) of this Change Order
<u>\$25,500.00</u>	___ days
Contract Price with all approved Change Orders	Contract Times with all approved Change Orders
<u>\$99,850.00</u>	Substantial Completion : ___ days or dates Ready for final payment : ___ days or dates

RECOMMENDED: Bolton & Menk, Inc.

APPROVED: Board of Supervisors, DD 20
Story Co.

ACCEPTED: Iowa Trenchless

By: 
Engineer (Authorized Signature)

By: 
Owner (Authorized Signature)

By: 
Contractor (Authorized Signature)

Date: 11-4-19

Date: 12-4-19

Date: 11/5/19

Cc: Iowa Trenchless – Contractor
Story County - Owner
Bolton & Menk, Inc. - Engineer

File

Attachment A

Item No.	Description	Quantity	Units	Unit Price	Increase	Decrease
2	TRENCH FOUNDATION & BEDDING STONE	30	TN	\$250.00	\$7,500.00	
3	DRAIN TILE, TRENCHED, 12" DIA.	84	LF	\$200.00	\$16,800.00	
6	CONCRETE GROUT	3	CY	\$400.00	\$1,200.00	

NET INCREASE IN CONTRACT PRICE **\$25,500.00**