

**MINUTES**  
**DD 25 PUBLIC HEARING ON**  
**ENGINEER'S REPORT ON REPAIR**  
**AND IMPROVEMENT TO LATERAL 3 TILE**  
**JUNE 17, 2015**  
**11:00 A.M.**

Hardin County Board of Supervisor Chairman, Lance Granzow, opened the meeting. Also present were Hardin County Supervisors, Ronn Rickels and Renee McClellan; Landowners, Ray Guard, David Fincham, Alvin Clark, Gary Thompson, Dennis Friest, Michael Terry Nessa, Matthew Schwartz, Dan Johnson, Lee and Karen Coburn, Kevin Nessa, K P Mort, John Everly, Adam Hill and Gerald Nelson; Lee Gallentine with Ryken Engineering; Hardin County Drainage Clerk, Tina Schlemme.

McClellan moved, Rickels seconded to approve the agenda as presented. All ayes. Motion carried.

Granzow opened the public hearing and publication was verified.

The hearing was turned over to Gallentine, who explained the project, as stated in the Engineer's Report dated April 21, 2015. The project began when a landowner called in a work order request for repair for water that was ponding on both sides of the railroad tracks in Section 27 of Concord Township. After being reviewed by Ryken Engineering, they found that the clay tile was on the verge of collapsing east of the railroad tracks and appeared to have collapsed under the tracks. They also found that west of the tracks had previously been repaired but had alignment issues. There was also two utility lines bored through the existing tile. Gallentine displayed televising photographs to show these conditions of the tile. He stated that they feel the tile is at or past the life expectancy. The cost of repair was large enough that a hearing and engineer's report was required. On January 7, 2014, The Trustees asked Ryken Engineering to create the engineer's report to repair the existing tile, as well as improvement options of replacing it with larger tile and/or moving lateral 3 from the east side of the tracks to the west side to avoid the railroad crossing.

The repair method is to replace approximately 1000' of lateral 3 tile from the east side of the railroad southeast to the northernmost limits of the 1974 tile relocation with 12" dual wall HDPE tile or concrete pipe, replace 100' of lateral 3 tile inside the railroad right of way with 12" dual wall HDPE tile or concrete pipe and to expose and televise lateral 3 tile west of the railroad to determine limits of questionable pipe and replace that pipe with 12" dual wall HDPE tile or concrete pipe. This repair method would have drainage capacity of 0.19" per acre per day at the railroad crossing, 0.27" at the connection point with the main tile and 0.11" on the existing main tile on the east side of the railroad right of way. This repair option would cost approximately \$195,750.00. A landowner asked if pipe bursting would be an option, but Gallentine explained that with the utility line in the tile, this would not be possible.

The improvement method is to replace 1000' of lateral 3 tile from the east side of the railroad southeast to the northernmost limits of the 1974 tile relocation with 10" dual wall HDPE tile or concrete pipe, sever the existing lateral 3 tile and plug the upstream end on the east end of the railroad as well as on the west side. This also includes abandoning the existing lateral 3 tile crossing under the railroad tracks and exposing and televising the existing lateral 3 tile west of the railroad to determine limits of questionable pipe and replace that pipe, estimated at 500', with 12" dual wall HDPE tile or concrete pipe. Approximately 2100' of new lateral 3 tile would be installed from west side of the railroad south along the west side of the railroad right of way to existing main tile just west of the railroad with 15" dual wall HDPE tile or concrete pipe. This would have drainage capacity of 0.56" per acre per day west of the railroad, 1.34" east of the railroad and 0.11" on the existing main tile on either side of the railroad. This improvement option would cost approximately \$228,825.00.

The original classification did not separate out the laterals, so the repair option would be paid by the entire district. If the improvement option is chosen, then Code of Iowa states that a reclassification would be required and just lateral 3 landowners would pay for the cost. Landowners were divided with what option they preferred. Some landowners would like to see the lateral tile on the west upsized for greater drainage capacity. If the lateral is upsized/improved, the main tile is still limited with its drainage capacity. Landowner, Leland Coburn, then submitted a formal request to have the main tile, all the way to the open ditch in DD H-S 35-1, investigated with an engineer's report for improvement to upsize that tile. Landowners agreed that the outcome of the report will help determine how they would like to proceed with this project, whether to repair or improve.

Schlemme gave the estimated cost per landowner based on the current classification and the engineer's cost estimates. Kevin Nissa presented a crop damage claim with exact cost to be determined at a later time.

Granzow closed the hearing.

McClellan moved, Rickels seconded to table any motion until the main tile is investigated and an engineer's report for improvement completed. All ayes. Motion carried.

Rickels moved, McClellan seconded to adjourn. All ayes. Motion carried.