

TIPPECANOE COUNTY SURVEYOR

TIPPECANOE COUNTY OFFICE BUILDING

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MARION DUNKIN REGULATED DRAIN #25

RECONSTRUCTION REPORT

MAY 7, 2018

A Petition to Reconstruct the Marion Dunkin Drain #25 was accepted by the Tippecanoe County Drainage Board and referred to the County Surveyor for a reconstruction report on December 7, 2016.

The Marion Dunkin Regulated Drain #25 and its watershed are located in Sections 35 and 36 of Township 22North, Range 6 West and Section 31 of Township 22 North, Range 5 West in the political township of Wayne and Section 6 of Township 21 North, Range 5 West and Sections 1,2,3,10,11 and 12 of Township 21 North, Range 6 West in the political township of Jackson all being within Tippecanoe County, Indiana.

The Marion Dunkin regulated Drain was petitioned and constructed through Superior Court of Tippecanoe County, Indiana in 1907 at a cost of \$7,130.00. The original court documents are found in Superior Court Case No. 8862, Mortgage Record Book 89 on page 560. In 1940 and 1941 a tile reconditioning project was conducted by the Civil Conservation Corp. Camp (CCC), Soil Conservation Service (SCS)-2, Lafayette, Indiana. Presently the tile system is degraded beyond the point of repair and a full reconstruction tile replacement is needed. The watershed area consists of 1627.85 acres.

A maintenance fund of \$1.50 per acre was established by the Tippecanoe County Drainage Board on the 5th day of April 1978. In 2005 the maintenance rate was increased by 25% to \$1.88 per acre in accordance with I.C. 36-9-27-42.

I have personally walked, drove, talked and met with landowners and inspected the Marion Dunkin Drainage system per the request of the landowners who signed the petition. Based on the needs of the petitioners in this watershed, it is my professional judgement that the existing clay and concrete main tile be removed and replaced with a new tile. To reach this goal 1425 lineal feet of 36-inch diameter tile, 2975 lineal feet of 30-inch diameter tile, 4200 lineal feet of 24-inch diameter tile, 2800 lineal feet of 18-inch diameter tile, and 4210 lineal feet of 15-inch and 12-inch diameter tile will be installed combined with other miscellaneous items.

It is the expert judgement of the Tippecanoe County Surveyor that a sum of approximately \$439,444.50 is needed to reconstruct and improve the Marion Dunkin regulated drainage system. After completion of the project there will be 5474 lineal feet of open ditch, 20,506.46 lineal feet of branch tile under maintenance. (refer to attached map for graphic representation)

An assessment of \$55.00 per acre and a \$25.00 minimum over a five (5) year period is recommended. This will generate \$447,978.10 over a five (5) year period. Assuming the reconstruction and improvements are completed, and the General Drain Improvement fund has been paid repaid after the five (5) year period, the Tippecanoe County Surveyor recommends a maintenance rate be set at \$3.50 per acre and a \$20.00 minimum with an eight (8) year collection total.



Zachariah E. Beasley P.S., M.S., C.F.M.

Tippecanoe County Surveyor

Cc: file