

Amendment #1

Heron Lake Watershed District (Jackson) Judicial Ditch No. 36



To: Heron Lake Watershed District Board of Managers
From: Jacob Rischmiller, PE
Date: February 16th, 2022
Subject: Amendment #1 to the Final Engineer's Report
cc: Louis Smith (Smith Partners)

OVERVIEW

Heron Lake Watershed (Jackson) Judicial Ditch No. 36 (JD 36) lies within Wiemer and West Heron Lake Townships of Jackson County. On December 10th, 2021, ISG submitted the Final Engineer's Report that used unit prices from 2021. Since the submittal of the Final Engineer's Report, ISG has received additional information that affects the cost of the project. It should be noted that the design and recommendation remain the same as stated in the Final Engineer's Report.

Project Costs

Since January 1st, 2022, ISG has bid 9 similar projects within Jackson and Nobles County. Therefore, ISG has updated the project cost based on the recent bids that were received. Table 1 below shows the project cost summary in terms of separable maintenance and improvement costs, while Table 2 below displays the breakdown of the total project (construction vs engineering vs administrative, etc..).

Table 1: Project Cost Summary

Area	Separable Maintenance	Improvement Cost	Net Cost
Main Tile (No Storage)	\$ 458,045	\$ 692,108	\$ 234,064
Subtotal without Road Crossings	\$ 458,045	\$ 692,108	\$ 234,064
Road Authority Cost	\$ -	\$ -	\$ -
Damages Paid To Road Authority	\$ -	\$ -	\$ -
Total	\$ 458,045	\$ 692,108	\$ 234,064
Subtotal Landowner Costs			\$ 692,108
Net Costs			\$ 234,064
Redetermination of Benefits Costs			\$ 3,600
Permanent Damages (Buffer Strip Acquisition)			\$ -
Total Project Costs for Landowners			\$ 695,708
Benefits (Per Ditch Viewer Report)			\$ 298,000
Net Benefit			\$ 63,936

DNR's Advisory Letters – Post Meeting Memo

Heron Lake Watershed District Judicial Ditch No. 3



Table 2: Project Cost Breakdown

Category	Project Cost	Amount
Construction	Subtotal Construction Cost	\$449,325
	10% UNFORSEEN	\$44,933
	Total Construction Cost	\$494,258
Damages	Temporary Damages	\$14,706
	Land Acquisition/ Permanent Damages	\$0
	Land Acquisition/ Permanent Damages (Marsh)	\$0
County Cost	COUNTY ADMINISTRATION COSTS (Legal, Staff, Bonding, Advertisement)	\$24,713
ISG Cost	Televising (Post Construction)	\$6,570
	Topographic Survey	\$13,469
	Reports, Plans and Specifications	\$88,967
	Construction Staking & Administration	\$49,426

Conclusion

The project as described in the Final Engineer's Report and above is practical, feasible and necessary to the public health and welfare. Therefore, the Engineer recommends the final engineer's report for approval.

Jacob Rischmiller, PE

Civil Engineer