


Preliminary Engineer's Report – Amendment #1

Jackson/Nobles County Judicial Ditch No. 13 (Phase 2)



To: Jackson/Nobles County Judicial Ditch No. 13 Drainage Authority
From: Jacob Rischmiller, PE 
Date: March 3, 2022
Subject: Preliminary Engineer's Report Amendment #1

OVERVIEW

Jackson & Nobles County Judicial Ditch No. 13 (JD 13) lies within in Sections 13-16, 19-29, and 32-36 of Lorain Township and Sections 1-2 and 5 of Indian Lake Township in Nobles County, and Sections 18-20, and 29-36 of Ewington Township, Sections 1-6 and 9-14 of Round Lake Township, and Sections 7 and 18 of Sioux Valley Township. The area that this Phase of the project focuses on is located in Sections 27 and 28 of Lorain Township in Nobles County.

Project Scope

The proposed petitioned project includes realignment of Branches A, A1, B, B1 and the latter portion of Branch S13. During the petitioned state of the project, it was discussed (with the landowner and their intent) to have a new lateral that would stub into the SW ¼ of the NW ¼ of Section 27 of Lorain Township. Therefore, ISG assumed the proper petition documents were filed that supported the establishment of lateral. Upon review by county staff, after the Preliminary Engineer's Report was filed, a petition for establishment was not filed. Therefore, this amendment removes Branch S16A from the project scope of this Preliminary Engineer's Report.

Project Costs

The proposed project costs have changed due to the removal of Branch S16A, of which the updated project costs can be located in Table 1, below.

Table 1: Project Cost Summary

Area	Separable Maintenance	Improvement Cost	Net Cost
Branch S13	\$ 146,156	\$ 178,303	\$ 32,147
Branch A	\$ 109,928	\$ 120,292	\$ 10,364
Branch A1	\$ 56,716	\$ 57,946	\$ 1,230
Branch B	\$ 141,356	\$ 169,782	\$ 28,426
Branch B1	\$ 110,632	\$ 131,581	\$ 20,949
Subtotal without Road Crossings	\$ 564,788	\$ 657,904	\$ 93,116
Road Authority Cost	\$ 71,833	\$ 71,833	\$ -
Damages Paid To Road Authority	\$ 11,117	\$ (6,722)	\$ (17,839)
Total	\$ 647,738	\$ 723,015	\$ 75,277
		Subtotal Improvement Landowner Costs	\$ 651,182
		Net Costs	\$ 75,277
		Determination of Benefits Costs	\$ 3,102.00
		Total Project Costs for Landowners	\$ 654,284

Conclusion

The project as described in the preliminary engineer's report and above is practical, feasible and is a necessity to the public health and welfare. Therefore, the Engineer recommends the preliminary engineer's report for approval.