

JD20SN PROPOSAL SUMMARIES

Items & Assumptions	Consultant			
	ISG	HEI	Ulteig	SEH
Survey	\$2,700.00	\$3,800.00	\$2,500.00	\$2,500.00
	Structure and dike	Structure and dike	Structure & surrounding area	Structure & surrounding area
Geotechnical	\$32,361.00	\$22,500.00	\$13,570.00	\$6,000.00
	17x soil borings and geotechnical analysis for dam replacement and dike assessment (could be reduced to \$12,630 if limited to structure area), Conducted by Braun Intertec.	4 soil borings and geotechnical analysis for dam replacement. Conducted by NTIGeo.	1x soil boring and geotechnical analysis for dam replacement, \$4500/day if additional services required. Conducted by Braun Intertec.	2x borings and geotechnical analysis for dam replacement. Conducted by Chosin Valley Testing.
Hydraulic Analysis & Report	\$22,400.00	\$8,600.00	\$14,540.00	\$12,000.00
	Model for watershed to establish and match existing conditions for a variety of storm events using XSWMM modeling software.	Model sufficient to match existing structure including 2-yr 240hr thru 100-yr 24-hr events	2-yr 240hr thru 100-yr 24-hr events per DNR guidance using HEC-HMS based software. Has initiated correspondence w/MNDNR	Size spillway for 100 yr return interval
Design Considerations	\$3,000.00	\$3,400.00	\$8,160.00	\$4,000.00
	Similar sheet pile, concrete weir, culvert control structure	Similar sheet pile & consideration of alt. structure	Similar sheet pile & brief consideration of alt. structures	Based on hydraulic analysis and coordination w/MN Dam Safety Engineer.
Specs & Bid docs	\$1,500.00	\$10,600.00	\$8,010.00	\$7,000.00
	Consultant prepares bid specifications, executes public bidding, and provides recommendation to County	Consultant prepares bid specifications for public bid by County	Consultant prepares bid specifications for public bid by County	Re-negotiate scope, fee, and schedule for final design, bid documents, and construction administration. Public bid by County
Construction Admin	\$3,800.00	\$22,700.00	\$18,220.00	\$18,500.00
	Site visits as requested, management of change orders and close-out activities	10 work days, 100 hrs of construction observation	3 days sheet pile installation (full time observation), 40 hours for construction activities incidental to the work (part time observation)	4 weeks full time construction services
Meetings/Etc			\$2,960.00	\$4,500.00
Total	\$43,030.00	\$71,600.00	\$67,960.00	\$54,500.00
(including add'n ISG boring)	\$65,761.00			
Preliminary Report Schedule	June 2020	June 2020	July 2020	July 2020