

Engineer's Opinion of Probable Costs

Bid Package #6, Division 21
Proposed Watershed Improvements - Clear Creek Watershed in Johnson County
2021

Date: 11/1/2021



CONSTRUCTION COSTS

ITEM #	DESCRIPTION	Unit Cost	Units	Quantity	Total Cost
21.01	General Clearing and Grubbing	\$35,000.00	LS	1.00	\$35,000.00
20.02	On-site Topsoil (Strip, Salvage, and Respread)	\$20.00	CY	250.00	\$5,000.00
21.03	Off-site Topsoil	\$25.00	CY	950.00	\$23,750.00
21.04	Excavation Class 10, Haul Offsite	\$20.00	CY	2,800.00	\$56,000.00
21.05	Misc. Debris Removal from Stream Channel	\$75.00	CY	200.00	\$15,000.00
21.06	Excavation Class 10, Balanced Onsite	\$8.00	CY	500.00	\$4,000.00
21.07	Temporary Stream Diversion/Crossings	\$1.00	LS	3,000.00	\$3,000.00
21.08	Storm Sewer, Class III RCAP, 72"	\$300.00	LF	8.00	\$2,400.00
21.09	Remove, Salvage, Reinstall RCAP FES, 72"	\$2,500.00	LS	1.00	\$2,500.00
21.10	PCC Sidewalk, 5" (Remove and Replace)	\$50.00	SY	40.00	\$2,000.00
21.11	Temporary Traffic Control, Basic	\$6,000.00	LS	1.00	\$6,000.00
21.12	Conventional seeding: seeding, Fertilizing and conventional mulching, type I seed mixture (Permanent Lawn Mixture)	\$3,500.00	ACRE	1.00	\$3,500.00
21.13	Conventional seeding: G Wetland Seeding (Wetland Grass Seed Mixture)	\$6,000.00	ACRE	0.34	\$2,040.00
21.14	Conventional seeding: H Native Grass and Forbs (Wildflower) Seeding Mixture	\$6,000.00	ACRE	1.70	\$10,200.00
21.15	Hydraulic seeding: seeding and mulching, type 4 seed mixture (Urban Temporary Erosion Control Mixture)	\$2,500.00	ACRE	3.00	\$7,500.00
21.16	Hydromulch: Bonded Fiber Matrix	\$2,000.00	ACRE	3.00	\$6,000.00
21.17	SWPPP Management	\$4,000.00	LS	1.00	\$4,000.00
21.18	Filter Sock, 9", install	\$2.50	LF	2,400.00	\$6,000.00
21.19	Filter Sock, 9", removal	\$0.50	LF	2,400.00	\$1,200.00
21.20	Temporary Rolled Erosion Control Products (RECP), Type 4	\$3.50	SY	7,500.00	\$26,250.00
21.21	Rip Rap, Class D Revetment	\$80.00	TON	200.00	\$16,000.00
21.22	Rip Rap, Erosion Stone	\$50.00	TON	65.00	\$3,250.00
21.23	Silt Fence, install	\$2.00	LF	1,000.00	\$2,000.00
21.24	Silt Fence, removal (no removal at offsite stockpile)	\$0.50	LF	500.00	\$250.00
21.25	Stabilized Construction Entrance	\$4.00	EA	4,000.00	\$16,000.00
21.26	Mobilization	\$30,000.00	LS	1.00	\$30,000.00
21.27	Concrete Washout - Small Job	\$1,000.00	EA	1.00	\$1,000.00
21.28	Limestone Blocks (18"x18"x18")	\$500.00	EA	8.00	\$4,000.00
21.29	Construction Perimeter Fencing - Orange Plastic	\$7.00	LF	1,000.00	\$7,000.00
21.30	Macadam Crushed Stone	\$40.00	TON	13.00	\$520.00
21.31	Safety Railing - Custom Aluminum	\$250.00	LF	40.00	\$10,000.00
CONSTRUCTION TOTAL					\$311,360.00