

## Engineer's Opinion of Probable Costs

Bid Package #4, Division 18  
Proposed Watershed Improvements - Clear Creek Watershed in Iowa & Johnson Counties  
2021

Prepared By: MMB

Date: 9/21/2021



### CONSTRUCTION COSTS

ITEM #	DESCRIPTION	Unit Cost	Units	Quantity	Total Cost
18.01	Clearing and Grubbing	\$5,000.00	AC	0.60	\$3,000.00
18.02	Topsoil Strip, Salvage and Re-Spread	\$5.00	CY	270.00	\$1,350.00
18.03	Removal of Sediment and Outlet Structure (CC-089)	\$2,000.00	LS	1.00	\$2,000.00
18.04	Excavation, Fringe Wetlands (CC-089)	\$6.00	CY	50.00	\$300.00
18.05	Excavation, Foundation Cutoff (CC-090)	\$3.00	LF	225.00	\$675.00
18.06	Excavation, Core Trench (CC-089)	\$3.00	CY	200.00	\$600.00
18.07	Earthfill, Dams/Terraces/Basins	\$2.50	CY	1,940.00	\$4,850.00
18.08	4" ADS Pipe Relocation	\$8.00	LF	25.00	\$200.00
18.09	Tile, Dual Wall, Non-Perforated, 6"	\$10.00	LF	100.00	\$1,000.00
18.10	Tile, Single Wall, Perforated, 6"	\$5.00	LF	55.00	\$275.00
18.11	Tile Intake, 6"	\$300.00	EA	1.00	\$300.00
18.12	Tile Outlet, 6"	\$400.00	EA	1.00	\$400.00
18.13	HDPE Pipe, Dual Wall, 24"	\$120.00	LF	91.00	\$10,920.00
18.14	HDPE Riser Inlet, 30" with Trash Rack	\$5,000.00	EA	1.00	\$5,000.00
18.15	Revetment Stone, Class D	\$150.00	TONS	6.00	\$900.00
18.16	Fertilizing, Seeding, & Mulching, Type I	\$6,000.00	LS	1.00	\$6,000.00
18.17	Seeding & Mulching for Wetlands, Type III	\$1,800.00	LS	1.00	\$1,800.00
18.18	Erosion Control, Silt Fence	\$5.00	LF	310.00	\$1,550.00
18.19	Erosion Control, Wattle	\$3.00	LF	140.00	\$420.00
18.20	Mobilization	\$4,000.00	EA	2.00	\$8,000.00
<b>CONSTRUCTION TOTAL</b>					<b>\$49,540.00</b>

## Engineer's Opinion of Probable Costs

Bid Package #4, Division 19

Proposed Watershed Improvements - Clear Creek Watershed in Iowa & Johnson Counties  
2021

Prepared By: MMB

Date: 9/8/2021



### CONSTRUCTION COSTS

ITEM #	DESCRIPTION	Unit Cost	Units	Quantity	Total Cost
19.01	Clearing and Grubbing	\$5,000.00	AC	2.22	\$11,100.00
19.02	Topsoil Strip, Salvage and Re-Spread	\$5.00	CY	1,020.00	\$5,100.00
19.03	Excavation, Class 13	\$10.00	CY	1,311.00	\$13,110.00
19.04	Excavation, Core Trench	\$3.00	CY	2,360.00	\$7,080.00
19.05	Earthfill, Dams/Terraces/Basins	\$2.50	CY	8,200.00	\$20,500.00
19.06	Tile, Dual Wall, Non-Perforated, 4"	\$8.00	LF	80.00	\$640.00
19.07	Smooth Steel Pipe, 8"	\$120.00	LF	170.00	\$20,400.00
19.08	24" CMP Culvert	\$200.00	LF	56.00	\$11,200.00
19.09	Revetment Stone, Class D	\$60.00	TONS	320.00	\$19,200.00
19.10	Revetment Stone, 6+12-	\$50.00	TONS	220.00	\$11,000.00
19.11	Fertilizing, Seeding, & Mulching, Type I	\$12,000.00	LS	1.00	\$12,000.00
19.12	Temporary Seeding, Type II	\$1,000.00	Acre	1.00	\$1,000.00
19.13	Seeding & Mulching, Type IV	\$8,000.00	LS	1.00	\$8,000.00
19.14	Erosion Control, Silt Fence	\$5.00	LF	550.00	\$2,750.00
19.15	Erosion Control, Wattle	\$3.00	LF	960.00	\$2,880.00
19.16	Farm Field Fence, 3 Barb & 1 Hot Wire	\$10.00	LF	252.00	\$2,520.00
19.17	Farm Gate, 16'	\$300.00	EA	2.00	\$600.00
19.18	Cattle Panel	\$15.00	LF	32.00	\$480.00
19.19	Mobilization	\$ 6,000.00	EA	2.00	\$12,000.00
		<b>CONSTRUCTION TOTAL</b>			<b>\$161,560.00</b>