

City of Hudson Engineering Department

Cost Estimate for:

Former YDC Option B Inclusive Park Project

March, 2023

REF. NO.	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
General						
1	201	Clearing, Grubbing and Pruning	1	LS	\$10,000.00	\$10,000.00
2	614	Maintenance of Traffic	1	LS	\$10,000.00	\$10,000.00
3	623	Construction Layout Staking	1	LS	\$10,000.00	\$10,000.00
4	624	Mobilization	1	LS	\$20,000.00	\$20,000.00
8	832	Sedimentation and Erosion Controls	1	LS	\$5,000.00	\$5,000.00
9	SPCL	Preconstruction Video	1	LS	\$3,000.00	\$3,000.00
10	SPCL	Record Drawings and As Built Surveys	1	LS	\$2,500.00	\$2,500.00
Total for General Section						\$60,500.00
Site Preparation / Demolition						
11		Laydown/Staging Area	1	LS	\$5,000.00	\$5,000.00
12		Concrete Sanitary Sewer Structure Removed, Complete	1	EA	\$850.00	\$850.00
13		Sanitary Sewer Pipe Removed, Complete	240	LF	\$35.00	\$8,400.00
14		Asphalt Driveway Removed	75	SY	\$5.00	\$375.00
15		Construction Fence (6' Chain Link) with Gate	1500	LF	\$15.00	\$22,500.00
Total for Site Preparation / Demolition						\$37,125.00
Earthwork						
16		Topsoil Stripped, Stockpiled, Mounded and Respread	9750	SY	\$5.00	\$48,750.00
17		Excavation (Cut) - Assumes soil stockpile is available on-site	6240	CY	\$15.00	\$93,600.00
18		Excavation (Fill) - Assumes soil stockpile is available on-site	7740	CY	\$15.00	\$116,100.00
19		Excavation (Cut) Dry Detention Basin	1500	CY	\$15.00	\$22,500.00
Total for Earthwork						\$280,950.00
Pavement						
20	611	Subgrade Preparation (All Pavement)	1400	SY	\$2.00	\$2,800.00
21		ODOT 304 - Limestone Aggregate Base - 6" Thick	230	CY	\$70.00	\$16,100.00
22		Asphalt Type 1 Surface (Medium) PG 64-22(448) (1.5" Thick)	130	CY	\$200.00	\$26,000.00
23		Asphalt Type 1 Intermediate (Medium), PG 64-22 (1/2" Thick)	45	CY	\$210.00	\$9,450.00
24		Commercial Driveway Apron with QC MS Concrete (8" thick)	70	SY	\$100.00	\$7,000.00
25		Concrete Vertical Curb, Type 6, Including 3" of 304 Limestone, Complete	150	LF	\$55.00	\$8,250.00
26		8' Wide, 4" MS concrete sidewalk, Including 3" of 304 base, Complete	1600	SF	\$9.00	\$14,400.00
27		Parking Lot Pavement Marking Paint	320	LF	\$3.50	\$1,120.00
28		Parking Lot Transverse Pavement Marking Paint	250	LF	\$3.50	\$875.00
29		ADA Pavement Symbol Marking	8	EA	\$150.00	\$1,200.00
30		ADA Signage	8	EA	\$700.00	\$5,600.00
Total for Pavement						\$92,795.00
Miscellaneous						

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31		Bathroom Facility	1	LS	\$150,000.00	\$150,000.00
32		2" Water Service, Complete	450	LF	\$50.00	\$22,500.00
33		Sanitary Septic System, Complete	1	LS	\$40,000.00	\$40,000.00
34		Utilities-Storm, Infrastructure, Bio-Swale	1	LS	\$150,000.00	\$150,000.00
35		Utilities-Electric, Including Light Poles and Conduits	1	LS	\$100,000.00	\$100,000.00
Total for Miscellaneous						\$462,500.00
Landscaping						
36		Fine Grading, Seed and Straw	9750	SY	\$2.50	\$24,375.00
37		Misc. Landscaping	1	LS	\$20,000.00	\$20,000.00
Total for Miscellaneous						\$44,375.00
Total Construction for All Sections						\$978,245.00
20% Contingency						\$195,649.00
5% Inflation (2024) Contingency						\$48,912.25
GRAND CONSTRUCTION TOTAL						\$1,222,806.25
Notes:						
1. This estimate does not include costs for the playground equipment or any work associated with building the playground (i.e.. Fencing, pavement, trails within playground area, pavilion, and or baseball fields etc.).						
2. This is estimate is for budget purposes only.						
3. Inflation has assumed construction takes place in 2024.						
Design Section						
1		Site Survey and Design (15% of Construction)	1	LS		\$146,736.75
2	SPCL	Geotechnical Engineering (2%)	1	LS		\$19,564.90
3	SPCL	Wetland Delineation (2%)	1	LS		\$19,564.90
4	SPCL	Bonds and Insurance (1.5%)	1	LS		\$733.68
5	SPCL	Boundary Survey, Legals and Recording	1	LS	\$20,000.00	\$20,000.00
Total Cost for Design Section						\$206,600.23
10% Design Contingency						\$20,660.02
GRAND DESIGN TOTAL						\$227,260.26
GRAND TOTAL						\$1,450,066.51