

Lake Street School (Replacement): Engineer's Opinion of Probable Costs

General Conditions Site Preparation	QUANTITY	UNIT	UNIT COST	TOTAL COST
Clearing and Grubbing Forest Areas	6	ACRES	\$ 5,000.00	\$ 30,000.00
Clearing and Grubbing Open Areas	0	ACRES	\$ 1,750.00	\$ -
Subtotal				\$ 30,000.00

Earthwork	QUANTITY	UNIT	UNIT COST	TOTAL COST
Excavation Associated with Grubbing	10087	CY	\$ 2.50	\$ 25,217.50
Common Excavation Including Pavement Removal	4595	CY	\$ 6.00	\$ 27,570.00
Export Fill	0	CY	\$ 2.00	\$ -
Supply and Place Offsite Borrow	8260	CY	\$ 8.00	\$ 66,080.00
Structural Fill in Building Pad	2463	CY	\$ 12.00	\$ 29,556.00
Remove and Disposal of Rock	13920	CY	\$ 45.00	\$ 626,400.00
Savings by Raising Site 18"	1	LS	\$ (160,000.00)	\$ (160,000.00)
Subtotal				\$ 614,823.50

Parking, Drives, and Sidewalks	QUANTITY	UNIT	UNIT COST	TOTAL COST
Subbase Gravel	2860	CY	\$ 14.00	\$ 40,040.00
Base Gravel	572	CY	\$ 20.00	\$ 11,440.00
Binder Pavement	805	TON	\$ 50.00	\$ 40,250.00
Surface Pavement	450	TON	\$ 50.00	\$ 22,500.00
Type 1 Vertical Granite Curb - Linear	500	LF	\$ 24.00	\$ 12,000.00
Type 1 Vertical Granite Curb - Radial	277	LF	\$ 32.00	\$ 8,864.00
Type 1 to Type 5 Granite Transition Stones	4	EACH	\$ 250.00	\$ 1,000.00
Type 5 Sloped Granite Curb	1081	LF	\$ 20.00	\$ 21,620.00
Curb Inlet Headstones	7	EACH	\$ 250.00	\$ 1,750.00
Hot Bituminous Concrete Curb	671	LF	\$ 4.00	\$ 2,684.00
Hot Bituminous Concrete Sidewalk	378	SY	\$ 15.00	\$ 5,670.00
Portland Cement Concrete Sidewalk	556	SY	\$ 50.00	\$ 27,800.00
Portland Cement Concrete Loading Pads/Slabs	40	SY	\$ 50.00	\$ 2,000.00
Concrete Steps	6	EACH	\$ 400.00	\$ 2,400.00
Geoblock	0	SY	\$ 40.00	\$ -
Geotextile Fabric	0	SY	\$ 1.50	\$ -
Standard Street Signs	12	EACH	\$ 250.00	\$ 3,000.00
Striping Parking Stall	102	EACH	\$ 5.00	\$ 510.00
Striping ADA Stall	5	EACH	\$ 50.00	\$ 250.00
Misc Striping	1	LS	\$ 1,500.00	\$ 1,500.00
Subtotal				\$ 205,278.00

Storm Drainage	QUANTITY	UNIT	UNIT COST	TOTAL COST
6" Diameter Underdrain (Play Area)	1,320	LF	\$ 12.00	\$ 15,840.00
8" Diameter Storm Drain*	0	LF	\$ 18.00	\$ -
12" Diameter Storm Drain*	650	LF	\$ 26.00	\$ 16,900.00
15" Diameter Storm Drain	0	LF	\$ 29.00	\$ -
18" Diameter Storm Drain	820	LF	\$ 36.00	\$ 29,520.00
24" Diameter Storm Drain	605	LF	\$ 60.00	\$ 36,300.00
30" Diameter Storm Drain	0	LF	\$ 70.00	\$ -
36" Diameter Storm Drain	0	LF	\$ 80.00	\$ -
4" Diameter Manhole	2	EACH	\$ 2,500.00	\$ 5,000.00
6" Diameter Manhole	0	VF	\$ 370.00	\$ -
4' Diameter Catch Basin <12' Deep	20	EACH	\$ 2,000.00	\$ 40,000.00
4' Diameter Catch Basin >12' Deep	0	EACH	\$ 3,000.00	\$ -
5' Diameter Catch Basin <12' Deep	0	EACH	\$ 2,700.00	\$ -
5' Diameter Catch Basin >12' Deep	0	EACH	\$ 3,800.00	\$ -
6' Diameter Catch Basin >12' Deep	0	EACH	\$ 4,600.00	\$ -
12" Diameter Roof Drain	100	LF	\$ 24.00	\$ 2,400.00
2' Diameter Type "D" Catch Basin or Field Inlet	2	EACH	\$ 1,500.00	\$ 3,000.00
18" Square NDS Inlet	0	EACH	\$ 800.00	\$ -
TideFlex Valve	0	EACH	\$ 500.00	\$ -
Trench Rock	1,191	CY	\$ 85.00	\$ 101,235.00
Outlet Control Structure	1	EACH	\$ 7,500.00	\$ 7,500.00
Trench Rock Reduction	1	LS	\$ (55,000.00)	\$ (55,000.00)
Subtotal				\$ 202,695.00

* The storm drain sizes are based upon an assumed distribution. Formal sizing is pending.

Lake Street School (Replacement): Engineer's Opinion of Probable Costs

Sanitary Sewer (On Site)	QUANTITY	UNIT	UNIT COST	TOTAL COST
6" Diameter Sanitary Sewer	40	LF	\$ 30.00	\$ 1,200.00
8" Diameter Sanitary Sewer	230	LF	\$ 30.00	\$ 6,900.00
4'-0" Diameter Sanitary Sewer Manhole	15	VF	\$ 250.00	\$ 3,750.00
2000 Gallon Grease Trap	1	EACH	\$ 4,800.00	\$ 4,800.00
3" Diameter Force Main	0	LF	\$ 18.00	\$ -
Surge Manhole 8'-0" Diameter	0	VF	\$ 500.00	\$ -
Grinder Pump Station	0	EACH	\$ 28,000.00	\$ -
Trench Rock	90	CY	\$ 85.00	\$ 7,650.00
Connection to Orchard Street Sewer	1	LS	\$ 500.00	\$ 500.00
Subtotal				\$ 24,800.00

Water Supply (Onsite)	QUANTITY	UNIT	UNIT COST	TOTAL COST
8" Diameter Water Main	380	LF	\$ 26.50	\$ 10,070.00
6" Diameter Water Main	230	LF	\$ 28.00	\$ 6,440.00
4" Diameter Water	0	LF	\$ 26.00	\$ -
2" Diameter Domestic Service	30	LF	\$ 14.00	\$ 420.00
Water Meter Pit	0	EACH	\$ 6,000.00	\$ -
8" Diameter Gate Valve	2	EACH	\$ 750.00	\$ 1,500.00
8" Diameter Water Main Tee	2	EACH	\$ 280.00	\$ 560.00
8" Diameter Water Main Bend	2	EACH	\$ 200.00	\$ 400.00
8" Diameter Water Main Cap	0	EACH	\$ 92.00	\$ -
10" x 8" Diameter Water Main Tapping Sleeve & Valve (offsite)	1	EACH	\$ 9,600.00	\$ 9,600.00
6" Diameter Gate Valve	2	EACH	\$ 700.00	\$ 1,400.00
6" Diameter Bend	0	EACH	\$ 180.00	\$ -
4" Diameter Gate Valve	0	EACH	\$ 600.00	\$ -
Hydrant Assembly	2	EACH	\$ 3,500.00	\$ 7,000.00
Trench Rock	231	CY	\$ 85.00	\$ 19,635.00
Air Release Valve	1	EACH	\$ 200.00	\$ 200.00
Subtotal				\$ 57,225.00

Erosion Control	QUANTITY	UNIT	UNIT COST	TOTAL COST
Silt Fence Type I	1,791	LF	\$ 3.00	\$ 5,373.00
Silt Fence Type II	272	LF	\$ 4.50	\$ 1,224.00
Silt Fence Type III	400	LF	\$ 3.00	\$ 1,200.00
Silt Fence Type III w/openings	75	LF	\$ 4.50	\$ 337.50
Stone Check Dam	6	EACH	\$ 50.00	\$ 300.00
Haybale Barrier	6	LF	\$ 12.00	\$ 72.00
Stone Inlet Protection	11	EACH	\$ 50.00	\$ 550.00
Haybale Inlet Protection	7	EACH	\$ 25.00	\$ 175.00
Stabilized Construction Entrance	2	EACH	\$ 1,500.00	\$ 3,000.00
Pond Riser	1	EACH	\$ 2,500.00	\$ 2,500.00
Flared End w/ Bar Rack	3	EACH	\$ 600.00	\$ 1,800.00
Stone-Lined Channel	0	CY	\$ 50.00	\$ -
Curlex Blanket	125	SY	\$ 3.00	\$ 375.00
Rip Rap	125	CY	\$ 35.00	\$ 4,375.00
Erosion Control Mesh	540	SY	\$ 1.00	\$ 540.00
Pond Gravel	333	CY	\$ 16.00	\$ 5,328.00
Pond Bottom Filter/Emulsions	600	CY	\$ 25.00	\$ 15,000.00
Pond Bottom Drain	0	LF	\$ 14.00	\$ -
Drain Outlet	0	LS	\$ 1,000.00	\$ -
Pond Liner	0	LS	\$ 5,000.00	\$ -
Reinforced Turf	1,980	SY	\$ 6.00	\$ 11,880.00
Subtotal				\$ 54,029.50

Athletic Fields	QUANTITY	UNIT	UNIT COST	TOTAL COST
Skinned Infields	901	SY	\$ 8.00	\$ 7,208.00
Athletic Field Fencing	1	EACH	\$ 11,000.00	\$ 11,000.00
Athletic Field Turf	28	UNITS	\$ 325.00	\$ 9,100.00
Drainage Layer	0	CY	\$ 8.00	\$ -
Subtotal				\$ 27,308.00

Fencing	QUANTITY	UNIT	UNIT COST	TOTAL COST
4' Fence Around Pond	528	LF	\$ 12.00	\$ 6,336.00
6" High Chain Link Fence	500	LF	\$ 14.00	\$ 7,000.00
Subtotal				\$ 13,336.00

Lake Street School (Replacement): Engineer's Opinion of Probable Costs

Special Playground Equipment/Enhancements	QUANTITY	UNIT	UNIT COST		TOTAL COST
Soft Playground Area Equipment	1	LS	\$	35,000.00	\$ 35,000.00
Hard Play Area Equipment and Latex	1	LS	\$	8,000.00	\$ 8,000.00
Natural Play Areas					
Select Clearing	1	LS	\$	5,000.00	\$ 5,000.00
Other Preparation	1	LS	\$	5,000.00	\$ 5,000.00
Features	1	LS	\$	7,000.00	\$ 7,000.00
Landscaping	1	LS	\$	6,000.00	\$ 6,000.00
Pedestrian Bridges	2	LS	\$	8,000.00	\$ 16,000.00
Irrigation (Recommend as Local Only Funding)	0	LS	\$	7,000.00	\$ -
ADA Handrails	150	LF	\$	30.00	\$ 4,500.00
Subtotal					\$ 86,500.00

Misc. Sitework	QUANTITY	UNIT	UNIT COST		TOTAL COST
Guiderail	360	LF	\$	18.00	\$ 6,480.00
Bollards	6	EACH	\$	300.00	\$ 1,800.00
Keystone Modular Block Retaining Wall	4850	SF	\$	25.00	\$ 121,250.00
Loam and Seed (non-athletic)	66	UNITS	\$	200.00	\$ 13,200.00
Safety Rail	0	LF	\$	26.00	\$ -
Hard Play Area	4200	SF	\$	2.50	\$ 10,500.00
Soft Play Area	3666	SF	\$	1.25	\$ 4,582.50
Timbers (Trex - wood to be bid alternate)	238	LF	\$	4.00	\$ 952.00
Retaining Wall Reduction	1	LS	\$	(50,000.00)	\$ (50,000.00)
Subtotal					\$ 108,764.50

Misc. Utilities	QUANTITY	UNIT	UNIT COST		TOTAL COST
Propane Tank Farm	1	EACH	\$	3,500.00	\$ 3,500.00
Trench for Underground Gas Line	75	LF	\$	10.00	\$ 750.00
Lighting					
Conduits	1200	LF	\$	6.00	\$ 7,200.00
Utility Pole Base	6	EACH	\$	680.00	\$ 4,080.00
Trail Lights	8	EACH	\$	400.00	\$ 3,200.00
Service Conduits	880	Cond. FT	\$	6.00	\$ 5,280.00
Handhoe	0	EACH	\$	600.00	\$ -
CMP Excess Charge	0	miles	\$	200,000.00	\$ -
Transformer Pad	1	LS	\$	2,500.00	\$ 2,500.00
Riser Pole	1	LS	\$	1,500.00	\$ 1,500.00
Subtotal					\$ 28,010.00

Opinion of Cost for Onsite Work: Base Bid	\$ 1,452,769.50
--	------------------------

Offsite Improvements	QUANTITY	UNIT	UNIT COST		TOTAL COST
Park Avenue Access Drive Improvements	1	LS	\$	50,000.00	\$ 50,000.00
Extension of Three Phase Power	1	LS	\$	25,000.00	\$ 25,000.00
Park/Court Street Signal	1	LS	\$	75,000.00	\$ 75,000.00
Orchard Street Pedestrian Access Improvements	727	LF	\$	40.00	\$ 29,080.00
Subtotal					\$ 179,080.00

Opinion of Cost for Onsite Work: Base Bid and Offsite Improvements	\$ 1,631,849.50
---	------------------------

Separate Side Bid (5%)	\$ (81,849.50)
------------------------	----------------

TOTAL	\$ 1,550,000.00
--------------	------------------------

Notes:

Lake Street School (Replacement): Engineer's Opinion of Probable Costs

In providing this Engineer's Opinion of Probable Construction Costs, the Client understands that DeLuca-Hoffman Associates, Inc. has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Engineer's Opinion of Probable Construction Costs are made on the basis of DeLuca-Hoffman's professional judgment and experience. DeLuca-Hoffman Associates, Inc. makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Engineer's Opinion of Probable Construction Costs.

1. The pavement quantities are based on the following :

	Standard Duty	Heavy Duty
	Thickness	Thickness
Surface Pavement	1_"	1_"
Binder Pavement	1 3/4"	2_"
Base Gravel "A"	6"	5"
Subbase Gravel "D"	12"	12"

2. Assumed Grubbing Depth is 12".

3. Standard Loam and Seed buildup assumed at 6 inches.

4. Quantities and work are subject to variations and changes required by regulatory officials.

5. This Opinion of Cost does not include costs associated with the following project elements:

- Land Acquisition
- Legal Costs
- Utility Pole Relocation (if required)
- Utility Charges, User Fees, etc.
- Division 2 work within the building
- Light Poles and Luminaries
- Contingencies
- Design Fees

