

# EXHIBIT B



## Phase 1 French Creek Greenway

October 3, 2019

City of Avon

### PRELIMINARY ESTIMATE OF PROJECT COST

Project Scope:

The proposed project aims to construct a 10 foot wide, 1.6 mile long multi-use trail along the south side of French Creek Road from the Sheffield Village Boundary to Detroit Road in the City of Avon.

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
1	MOBILIZATION	1	LS	\$5,000.00	\$5,000.00
2	CLEARING & GRUBBING	1	LS	\$10,000.00	\$10,000.00
3	EXCAVATION	2800	CY	\$20.00	\$56,000.00
4	EMBANKMENT	2200	CY	\$20.00	\$44,000.00
5	LINEAR GRADING	8800	LF	\$4.00	\$35,200.00
6	ODOT 204 SUBGRADE COMPACTION	9800	SY	\$3.00	\$29,400.00
7	SEEDING AND MULCHING	4000	SY	\$3.00	\$12,000.00
8	TOPSOIL	440	CY	\$15.00	\$6,600.00
9	WALK REMOVED	18800	SF	\$2.00	\$37,600.00
10	HEADWALL REMOVED	6	EACH	\$375.00	\$2,250.00
11	GUARDRAIL REMOVED	260	LF	\$5.00	\$1,300.00
12	TENSAR GRID	9800	SY	\$5.00	\$49,000.00
13	7" ODOT 304 AGGREGATE BASE	2000	CY	\$57.00	\$114,000.00
14	1.75" ODOT 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22	480	CY	\$200.00	\$96,000.00
15	TACK COAT	590	GAL	\$4.00	\$2,360.00
16	1.25" ODOT 441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	350	CY	\$220.00	\$77,000.00
17	CURB RAMP	6	EACH	\$1,400.00	\$8,400.00
18	ASPHALT DRIVE APRON	500	SF	\$9.00	\$4,500.00
19	CONCRETE DRIVE APRON	500	SF	\$8.00	\$4,000.00
20	MANHOLE OR CATCH BASIN ADJUSTED TO GRADE	60	EACH	\$550.00	\$33,000.00
21	ODOT 2-3 CATCH BASIN	3	EACH	\$2,500.00	\$7,500.00
22	18" STORM SEWER	20	LF	\$95.00	\$1,900.00
23	21" STORM SEWER	20	LF	\$115.00	\$2,300.00
24	24" STORM SEWER	600	LF	\$135.00	\$81,000.00
25	54" STORM SEWER	20	LF	\$300.00	\$6,000.00
26	60" STORM SEWER	20	LF	\$340.00	\$6,800.00
27	4' X 10' RCP BOX	20	LF	\$650.00	\$13,000.00
28	CONCRETE HEADWALL (18")	1	EACH	\$1,500.00	\$1,500.00
29	FULL HEIGHT HEADWALL (4' X 10')	1	EACH	\$15,000.00	\$15,000.00
30	ODOT HW 1.1	2	EACH	\$8,000.00	\$16,000.00
31	SAFETY RAIL	50	LF	\$25.00	\$1,250.00
32	STREET CROSSINGS WITH RECTANGULAR RAPID FLASHING BEACONS (RRFBs)-NORTH LONG ROAD/CITY LIMIT	2	EACH	\$15,000.00	\$30,000.00
33	UTILITY POLE RELOCATION	1	EACH	\$15,000.00	\$15,000.00
34	SIGNAGE	15	EACH	\$250.00	\$3,750.00
35	BIKE RACKS	4	EACH	\$600.00	\$2,400.00
36	BENCHES	4	EACH	\$600.00	\$2,400.00
37	EDUCATION/AWARENESS PROGRAM	1	LS	\$7,500.00	\$7,500.00

Subtotal \$840,910.00  
 Contingency (15%) \$126,136.50  
 Engineering (12%) \$100,909.20  
 Construction Inspection (6%) \$50,454.60  
**TOTAL PRELIMINARY PROJECT COST ESTIMATE \$1,118,410.30**

**Note:**

The costs shown represent an estimate of probable construction costs prepared in good faith and reasonable care. Chagrin Valley Engineering, Ltd. has no control over the costs of construction labor, materials or equipment, nor over competitive bidding.

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*[Signature]*  
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10/4/19