


APPENDIX B
COST OPINION

SITE IMPROVEMENTS COST OPINION				Date: November 2022		
PROJECT D&L Trail				Revised:		
LOCATION Ashley to Laurel Run North, Luzerne County, PA						
CLIENT Delaware & Lehigh National Heritage Corridor						
DRAWING TITLE	PROJECT NO.	ESTIMATOR		CHECKED BY		SHEET
Preferred Route	1041721.000	BGF		BNS/RL		3
		UNITS	QTY	UNIT	TOTAL	SUBTOTALS
				PRICE	PRICE	
GIANTS DESPAIR PARK TO HAUL ROAD (2,650 FEET, 0.5 MILES)						\$156,950.00
Aggregate Trail						\$134,950.00
1. Mobilization		LS	1	\$8,000	\$8,000	
2. Clearing and grubbing		LS	1	\$2,500	\$2,500	
3. Grading		CY	150	\$50	\$7,500	
4. Excavation		CY	1,000	\$26	\$26,000	
5. 6" 2A stone subbase		SY	1,500	\$15	\$22,500	
6. 4" Compacted Trail Aggregate		SY	1,000	\$10	\$10,000	
7. 4" Topsoil		CY	150	\$75	\$11,250	
8. Seeding		SY	1200	\$10	\$12,000	
9. 12" Compost filter sock		LF	2,650	\$8	\$21,200	
10. Rock Construction Entrance		EA	1	\$3,500	\$3,500	
11. Topsoil Stockpile		Ea	1	\$6,000	\$6,000	
12. Directional Signage		LS	3	\$1,500	\$4,500	
Trailhead						\$22,000.00
1. Kiosk		LS	1	\$6,500	\$6,500	
2. Directional Signage		LS	1	\$1,500	\$1,500	
3. Benches		EA	4	\$1,500	\$6,000	
4. Gates/Bollards		EA	4	\$2,000	\$8,000	
HAUL ROAD TO INTERSTATE 81 (4,850 FEET, 0.92 MILES)						\$378,525.00
Aggregate Trail						\$373,525.00
1. Mobilization		LS	1	\$20,000	\$20,000	
2. Clearing and grubbing		LF	4,550	\$12	\$54,600	
3. Grading		CY	675	\$50	\$33,750	
4. Excavation		CY	1,000	\$26	\$26,000	
5. 6" 2A stone subbase		SY	2,500	\$15	\$37,500	
6. 4" Compacted Trail Aggregate		SY	1,700	\$10	\$17,000	
7. 4" Topsoil		CY	675	\$75	\$50,625	
8. Seeding		SY	2025	\$10	\$20,250	
9. 12" Compost filter sock		LF	4,850	\$8	\$38,800	
10. Earthwork		LS	1	\$75,000	\$75,000	
Miscellaneous						\$5,000.00
11. Directional Signage		LS	2	\$1,500	\$3,000	
12. Gates/Bollards		EA	1	\$2,000	\$2,000	

INTERSTATE 81 UNDERPASS AND BETWEEN CULVERTS (1200 FEET, 0.23 MILES)					\$839,086.00
Aggregate Trail					\$57,800.00
1. Mobilization	LS	1	\$4,500	\$4,500	
2. Clearing and grubbing	LS	1	\$2,000	\$2,000	
3. Grading	CY	50	\$50	\$2,500	
4. Excavation	CY	1,000	\$26	\$26,000	
5. 6" 2A stone subbase	SY	670	\$15	\$10,050	
6. 4" Compacted Trail Aggregate	SY	450	\$10	\$4,500	
7. 4" Topsoil	CY	50	\$75	\$3,750	
8. Seeding	SY	450	\$10	\$4,500	
Culvert Shoulder					\$27,600.00
1. 10" 2A stone subbase	CY	120	\$75	\$9,000	
2. Wood guardrail	LF	200	\$45	\$9,000	
3. 12" Compost filter sock	LF	1200	\$8	\$9,600	
Culvert					\$750,686.00
1. Culvert	LS	1	\$750,686	\$750,686	
Miscellaneous					\$3,000.00
1. Directional Signage	LS	2	\$1,500	\$3,000	
INTERSTATE 81 TO ASHLEY BOROUGH PARKING LOT (2,675 FEET, 0.51 MILES)					\$642,275.00
Aggregate Trail					\$142,175.00
1. Mobilization	LS	1	\$25,000	\$25,000	
2. Clearing and grubbing	LS	1	\$10,000	\$10,000	
3. Grading	CY	145	\$50	\$7,250	
4. Excavation	CY	900	\$26	\$23,400	
5. 6" 2A stone subbase	SY	1,450	\$15	\$21,750	
6. 4" Compacted Trail Aggregate	SY	1,050	\$10	\$10,500	
7. 4" Topsoil	CY	145	\$75	\$10,875	
8. Seeding	SY	1200	\$10	\$12,000	
9. 12" Compost filter sock	LF	2675	\$8	\$21,400	
Stormwater Management					\$455,950.00
1. Type 6 manhole with frame and top	LS	1	\$25,000	\$25,000	
2. Type 4 inlet box with M-top and grate	EA	2	\$8,000	\$16,000	
3. 36" Reinforced conc. pipe, type A	LF	435	\$350	\$152,250	
4. 48" Reinforced conc. pipe, type A	LF	400	\$600	\$240,000	
5. Rip rap outfall	LS	1	\$4,000	\$4,000	
6. Type DW endwall for 48" pipe	LS	1	\$12,000	\$12,000	
7. Inlet protection	EA	3	\$150	\$450	
8. Pumped water filter bag	LS	1	\$1,250	\$1,250	
9. Temporary Cofferd Dam	LS	1	\$5,000	\$5,000	
Miscellaneous					\$19,000.00
1. Benches	EA	4	\$1,500	\$6,000	
2. Directional Signage	LS	3	\$1,500	\$4,500	
3. Gate/Bollard	EA	1	\$2,000	\$2,000	
4. Kiosk	EA	1	\$6,500	\$6,500	
Spur trail to Bobby Strish Memorial Baseball Fields (350 FEET, 0.07 MILES)					\$25,150.00
1. Mobilization	LS	1	\$3,000	\$3,000	
2. Clearing and grubbing	LS	1	\$3,000	\$3,000	
3. Grading	CY	30	\$50	\$1,500	
4. Excavation	CY	150	\$26	\$3,900	
5. 6" 2A stone subbase	SY	150	\$15	\$2,250	
6. 4" Compacted Trail Aggregate	SY	125	\$10	\$1,250	
7. 4" Topsoil	CY	30	\$75	\$2,250	
8. Seeding	SY	500	\$10	\$5,000	
9. Directional Signage	LS	2	\$1,500	\$3,000	

BOROUGH PARKING LOT TO MAIN STREET (350 FEET, 0.07 MILES)					\$80,745.00
Asphalt Trail					\$71,745.00
1. Mobilization	LS	1	\$5,000	\$5,000	
2. Grading	CY	110	\$50	\$5,500	
3. Geotextile Clas 4, Type A	SY	110	\$5	\$550	
3. 6" Reinforced cement concrete pavement	SY	110	\$180	\$19,800	
4. Subbase 6" depth (No. 2A)	SY	110	\$15	\$1,650	
5. SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, 0.3 to <3 MILLION ESALs, 9.0 MM MIX, 1.5" DEPTH	SY	110	\$27.00	\$2,970.00	
6. Asphalt Tack Coat	SY	350	\$0.50	\$175.00	
7. Curbing	LF	350	\$70	\$24,500	
8. 12" Compost filter sock	LF	350	\$6	\$2,100	
9. Rock Construction Entrance	EA	1	\$3,500	\$3,500	
10. Topsoil Stockpile	EA	1	\$6,000	\$6,000	
Miscellaneous					\$9,000.00
1. Directional Signage	LS	2	\$1,500	\$3,000	
2. Benches	EA	4	\$1,500	\$6,000	
CONNECTION TO RAIL (900 FEET, 0.17 MILES)					\$50,200.00
Aggregate Trail					\$38,200.00
1. Mobilization	LS	1	\$5,000	\$5,000	
2. Clearing and grubbing	LS	1	\$1,000	\$1,000	
3. Grading	CY	50	\$50	\$2,500	
4. Excavation	CY	275	\$26	\$7,150	
5. 6" 2A stone subbase	SY	500	\$15	\$7,500	
6. 4" Compacted Trail Aggregate	SY	350	\$10	\$3,500	
7. 4" Topsoil	CY	50	\$75	\$3,750	
8. Seeding	SY	60	\$10	\$600	
9. 12" Compost filter sock	LF	900	\$8	\$7,200	
Miscellaneous					\$12,000.00
1. Directional Signage	LS	2	\$2,500	\$5,000	
2. Gate/Bollard	EA	2	\$2,000	\$4,000	
3. Benches	EA	2	\$1,500	\$3,000	
SUBTOTAL:					\$2,147,781.00
Contingency (10%)					\$214,780.00
Survey					\$20,850.00
Design/Engineering/Permitting (10%)					\$215,000.00
TOTAL COST OPINION					\$2,598,411.00
<p>In providing opinions of probable cost, the Client understands that the Consultant has not developed formal construction documents and as such can not have taken into account every contingency. No control over the cost or availability of labor, equipment, materials, or over market conditions or the Contractor's method of pricing. The Consultant makes no warranty, expressed or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's opinion of probable construction cost. It must be understood that all quantities are approximate and based on assumptions of existing elevations and field conditions. Contingencies should be included in the Construction Budget for the excavation and replacement of unsuitable soils and rock.</p>					
<p><i>Note: The contingency has been added at the end to the subtotal of all sections.</i></p>					