


Ohio Department of Development Ohio & Erie Canal Towpath Trail Opinion of Probable Costs December 13, 2024		
SEGMENT	TOTAL COST	
Segment 700 (City Limits to Miller Street)	\$79,136.10	
Segment 800 (Miller Street from Union Avenue to 10th Street)	By City of New Philadelphia	
Segment 900 (10th Street from Miller Street to Front Street)	\$130,690.60	
Segment 1000 (Front Street to Southern Gateway)	\$1,885,316.90	
TOTAL	\$2,095,143.60	
Construction Administration (10%)	\$209,514.36	
Design and Documents	\$260,000.00	
GRAND TOTAL	\$2,564,657.96	
ODOT 2025 Inflation Factor (5.9%)	\$2,715,972.78	
ODOT 2026 Inflation Factor (5.5%)	\$2,865,351.28	
ODOT 2027 Inflation Factor (4.5%)	\$2,994,292.09	
ODOT 2028 Inflation Factor (3.5%)	\$3,099,092.31	

GENERAL ASSUMPTIONS

1. The trail will be ADA Compliant.

2. Actual cost of erosion control will depend on the contractor's means & methods and construction schedule & sequencing.

3. No bedrock conflicts

4. No additional existing utility conflicts, repairs, or upgrades are known beyond the above indicated.

5. Geotechnical investigations were not performed as part of this project. Actual conditions may vary and might affect project schedule and costs.

6. Pavement removed from the site is assumed to be 6 inches thick. Actual pavement depth may vary.

7. Cost estimates and ranges are developed to the Association for the Advancement of Cost Consulting International (AACE) Class 4 estimate level.

8. No on-site borrow area is provided within the project limits.

9. Unsuitable material is being hauled off site for disposal. No on-site disposal area is provided within the project limits.

10. Unit costs and quantities are based on existing conditions as understood at the time of the creation of this cost opinion and are based solely on the conditions represented in the construction documents at the time of their completion. Actual conditions could vary significantly depending upon when construction activities take place.

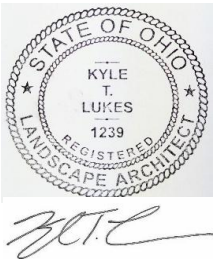
11. Earthwork quantities have been approximated using a combination of Tuscarawas County GIS data, flown topography, and field survey, actual field conditions may vary.

12. ODOT Inflation Factors used are the "Most Likely" per ODOT January 2024 - 5 Year Construction Cost Outlook and Forecast.


13. No traffic study was performed.


14. No costs are included for acquisition of private property for this project. It is likely that this project will require at least temporary acquisitions, and potentially permanent acquisitions of property.


15. The opinion of probable costs assumes City of New Philadelphia will complete sidewalk repairs, signage and pavement markings for Segments 700, 800 and 900.

16. The opinion of probable costs assumes Segments 700-1000 will be designed constructed together.
- 

The above Opinion of Probable Costs is based on available information and the Engineer's/Landscape Architect's experience and qualifications. This opinion represents the Engineer's/Landscape Architect's best judgement based on experience with the construction of similar project and work for this owner. The Engineer/Landscape Architect has no control over the cost of labor, materials, equipment or services furnished by others over the period of construction.

Ohio Department of Development Ohio & Erie Canal Towpath Trail Segment 700 New Philadelphia Opinion of Probable Costs December 13, 2024							
ITEM	EXT	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST	
Roadway							
202	23000	Pavement Removed	152	SY	BY CITY OF NEW PHIL.		
608	10000	4" Concrete Walk	5,084	SF	\$8.50	\$43,214.00	
608	53020	Detectable Warnings	160	SF	\$35.00	\$5,600.00	
608	98000	Walkway, Misc.: Sidewalk Repair	1,362	SF	BY CITY OF NEW PHIL.		
Subtotal						\$48,814.00	
Traffic Control							
630	03100	Ground Mounted Support, No. 3 Post	280	FT	BY CITY OF NEW PHIL.		
630	80100	Sign, Flat Sheet	60	SF	BY CITY OF NEW PHIL.		
644	00620	Crosswalk Line, 12"	494	FT	BY CITY OF NEW PHIL.		
644	01630	Bike Lane Symbol Marking	22	EACH	BY CITY OF NEW PHIL.		
644	00100	Edge Line	1.41	MILE	BY CITY OF NEW PHIL.		
644	00200	Lane Line	0.49	MILE	BY CITY OF NEW PHIL.		
644	00300	Center Line	0.39	MILE	BY CITY OF NEW PHIL.		
644	00400	Channelizing Line, 8"	219	FT	BY CITY OF NEW PHIL.		
644	00500	Stop Line	75	FT	BY CITY OF NEW PHIL.		
644	00700	Transverse/Diagonal Line	1,192	FT	BY CITY OF NEW PHIL.		
644	01300	Lane Arrow	6	EACH	BY CITY OF NEW PHIL.		
644	30000	Removal of Pavement Marking	2,344	FT	BY CITY OF NEW PHIL.		
644	30020	Removal of Pavement Marking	9	EACH	BY CITY OF NEW PHIL.		
Subtotal						\$0.00	
Incidentals							
103	05000	Premium for Contract Performance Bond and For Payment Bond	1	LS	\$3,000.00	\$3,000.00	
614	11000	Maintaining Traffic	1	LS	\$10,000.00	\$10,000.00	
623	10000	Construction Layout Stakes and Surveying	1	LS	\$2,000.00	\$2,000.00	
624	10000	Mobilization	1	LS	\$5,000.00	\$5,000.00	
Subtotal						\$20,000.00	
Total						\$68,814.00	
Contingency (15%)						\$10,322.10	
Total Construction Cost						\$79,136.10	
ODOT 2025 Inflation Factor (5.9%)						\$83,805.13	
ODOT 2026 Inflation Factor (5.5%)						\$88,414.41	
ODOT 2027 Inflation Factor (4.5%)						\$92,393.06	
ODOT 2028 Inflation Factor (3.5%)						\$95,626.82	


Ohio Department of Development Ohio & Erie Canal Towpath Trail Segment 800 Opinion of Probable Costs December 13, 2024							
ITEM	EXT	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST	
Roadway							
202	23000	Pavement Removed	138	SY	BY CITY OF NEW PHIL.		
608	53020	Detectable Warnings	120	SF	BY CITY OF NEW PHIL.		
608	98000	Walkway, Misc.: Sidewalk Repair	1,238	SF	BY CITY OF NEW PHIL.		
Subtotal						\$0.00	
Traffic Control							
630	03100	Ground Mounted Support, No. 3 Post	112	FT	BY CITY OF NEW PHIL.		
630	80100	Sign, Flat Sheet	24	SF	BY CITY OF NEW PHIL.		
644	00620	Crosswalk Line, 12"	550	FT	BY CITY OF NEW PHIL.		
644	01630	Bike Lane Symbol Marking	13	EACH	BY CITY OF NEW PHIL.		
Subtotal						\$0.00	
Incidentals							
103	05000	Premium for Contract Performance Bond and For Payment Bond	1	LS	BY CITY OF NEW PHIL.		
614	11000	Maintaining Traffic	1	LS	BY CITY OF NEW PHIL.		
623	10000	Construction Layout Stakes and Surveying	1	LS	BY CITY OF NEW PHIL.		
624	10000	Mobilization	1	LS	BY CITY OF NEW PHIL.		
Subtotal						\$0.00	
Total						\$0.00	
Contingency (15%)						\$0.00	
Total Construction Cost						\$0.00	
ODOT 2025 Inflation Factor (5.9%)						\$0.00	
ODOT 2026 Inflation Factor (5.5%)						\$0.00	
ODOT 2027 Inflation Factor (4.5%)						\$0.00	
ODOT 2028 Inflation Factor (3.5%)						\$0.00	

Ohio Department of Development Ohio & Erie Canal Towpath Trail Segment 900 Opinion of Probable Costs December 13, 2024							
ITEM	EXT	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST	
Roadway							
202	23000	Pavement Removed	264	SY	BY CITY OF NEW PHIL.		
203	75000	Fence Removed	12	FT	\$13.00	\$156.00	
608	10000	4" Concrete Walk	4,428	SF	\$8.50	\$37,638.00	
608	53020	Detectable Warnings	110	SF	\$35.00	\$3,850.00	
608	98000	Walkway, Misc.: Sidewalk Repair	2,375	SF	BY CITY OF NEW PHIL.		
690	98000	Rectangular Rapid Flashing Beacon (RRFB)	2	EACH	\$26,000.00	\$52,000.00	
Subtotal						\$93,644.00	
Traffic Control							
630	03100	Ground Mounted Support, No. 3 Post	210	FT	BY CITY OF NEW PHIL.		
630	80100	Sign, Flat Sheet	45	SF	BY CITY OF NEW PHIL.		
644	00620	Crosswalk Line, 12"	815	FT	BY CITY OF NEW PHIL.		
644	01630	Bike Lane Symbol Marking	27	EACH	BY CITY OF NEW PHIL.		
Subtotal						\$0.00	
Incidentals							
103	05000	Premium for Contract Performance Bond and For Payment Bond	1	LS	\$3,000.00	\$3,000.00	
614	11000	Maintaining Traffic	1	LS	\$10,000.00	\$10,000.00	
623	10000	Construction Layout Stakes and Surveying	1	LS	\$2,000.00	\$2,000.00	
624	10000	Mobilization	1	LS	\$5,000.00	\$5,000.00	
Subtotal						\$20,000.00	
Total						\$113,644.00	
Contingency (15%)						\$17,046.60	
Total Construction Cost						\$130,690.60	
ODOT 2025 Inflation Factor (5.9%)						\$120,349.00	
ODOT 2026 Inflation Factor (5.5%)						\$126,968.19	
ODOT 2027 Inflation Factor (4.5%)						\$132,681.76	
ODOT 2028 Inflation Factor (3.5%)						\$137,325.62	

**Ohio Department of Development
Ohio & Erie Canal Towpath Trail Segment 1000
Opinion of Probable Costs
December 13, 2024**



ITEM	EXT	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
Roadway						
201	11000	Clearing and Grubbing	1	LS	\$30,000.00	\$30,000.00
202	23000	Pavement Removed	635	SY	\$12.00	\$7,620.00
202	32000	Curb Removed	955	FT	\$10.00	\$9,550.00
202	75200	Fence Removed For Reuse	485	FT	\$15.00	\$7,275.00
202	98200	Removal, Misc.: Wall Removed	45	FT	\$25.00	\$1,125.00
202	98400	Removal, Misc.: Rip Rap Removed	99	SF	\$15.00	\$1,485.00
204	30010	Granular Material, Type B	610	CY	\$50.00	\$30,500.00
202	75200	Fence Rebuilt	485	FT	\$25.00	\$12,125.00
607	98000	Fence, Misc.: Timber Rail	1,400	FT	\$68.00	\$95,200.00
608	52000	Curb Ramp	91	SF	\$20.00	\$1,820.00
690	50350	Special - Mailbox Removed and Reset	1	EACH	\$100.00	\$100.00
608	98000	Walkway, Misc.: Plaza Pavement	3,866	SF	\$15.00	\$57,990.00
690	98400	Railroad Design Review Force Account	1	LS	\$50,000.00	\$50,000.00
690	98400	At-Grade Railroad Crossing Modification	1	LS	\$140,000.00	\$140,000.00
		Telecomm Pedestal To Be Relocated	1	EACH	BY UTILITY COMPANY	
		Utility Pole To Be Relocated	4	EACH	BY UTILITY COMPANY	
Subtotal						\$444,790.00
Earthwork						
203	10000	Excavation	12,735	CY	\$25.00	\$318,375.00
203	20000	Embankment	3,400	CY	\$35.00	\$119,000.00
651	10000	Topsoil Stockpiled	1,467	CY	\$25.00	\$36,675.00
652	10000	Placing Stockpiled Topsoil	587	CY	\$30.00	\$17,610.00
Subtotal						\$491,660.00
Erosion Control						
659	00500	Seeding and Mulching, Class 1	7,206	SY	\$3.00	\$21,618.00
659	20000	Commercial Fertilizer	0.7	TON	\$1,500.00	\$1,050.00
659	31000	Lime	1.5	ACRE	\$1,000.00	\$1,500.00
659	35000	Water	39	MGAL	\$500.00	\$19,500.00
832	15000	Storm Water Pollution Plan	1	LS	\$2,000.00	\$2,000.00
832	15002	Storm Water Pollution Plan Inspections	1	LS	\$5,000.00	\$5,000.00
832	15010	Storm Water Pollution Plan Inspections Software	1	LS	\$6,500.00	\$6,500.00
832	30000	Erosion Control	75,836	EACH	\$1.00	\$75,836.00
Subtotal						\$133,004.00
Drainage						
611	04400	12" Conduit, Type B	10	FT	\$95.00	\$950.00
611	04900	12" Conduit, Type D	125	FT	\$95.00	\$11,875.00
611	98180	Catch Basin, No. 3A	1	EACH	\$3,000.00	\$3,000.00
611	98470	Catch Basin, No. 2-2B	5	EACH	\$2,500.00	\$12,500.00
Subtotal						\$28,325.00
Pavement						
204	10000	Subgrade Compaction	9,128	SY	\$3.00	\$27,384.00
204	45000	Proof Rolling	4	HR	\$300.00	\$1,200.00
301	56000	Asphalt Concrete Base	18	CY	\$350.00	\$6,300.00
304	20000	Aggregate Base	1,540	CY	\$95.00	\$146,300.00
407	10000	Tack Coat	997	GAL	\$6.50	\$6,480.50
441	70000	Asphalt Concrete Surface Course, Type 1, (449), PG64-22	292	CY	\$320.00	\$93,440.00
441	70200	Asphalt Concrete Intermediate Course, Type 1, (449)	415	CY	\$290.00	\$120,350.00
609	12000	Combination Curb and Gutter, Type 2	966	FT	\$27.50	\$26,565.00
Subtotal						\$428,019.50
Water Works						
638	10500	Fire Hydrant Removed and Reset	1	EACH	\$2,000.00	\$2,000.00
638	10800	Valve Box Adjusted to Grade	1	EACH	\$500.00	\$500.00
Subtotal						\$2,500.00
Traffic Control						
630	03100	Ground Mounted Support, No. 3 Post	56	FT	\$15.00	\$840.00
630	80100	Sign, Flat Sheet	16	SF	\$20.00	\$320.00
630	85100	Removal of Ground Mounted Sign and Reerection	5	EACH	\$100.00	\$500.00
644	00300	Center Line	0.18	MILE	\$7,000.00	\$1,260.00
644	30000	Removal of Pavement Marking	950	FT	\$1.25	\$1,187.50
Subtotal						\$4,107.50

Ohio Department of Development Ohio & Erie Canal Towpath Trail Segment 1000 Opinion of Probable Costs December 13, 2024							
ITEM	EXT	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST	
Incidentals							
103	05000	Premium for Contract Performance Bond and For Payment Bond	1	LS	\$28,000.00	\$28,000.00	
614	11000	Maintaining Traffic	1	LS	\$25,000.00	\$25,000.00	
623	10000	Construction Layout Stakes and Surveying	1	LS	\$16,000.00	\$16,000.00	
624	10000	Mobilization	1	LS	\$38,000.00	\$38,000.00	
Subtotal						\$107,000.00	
Total						\$1,639,406.00	
Contingency (15%)						\$245,910.90	
Total Construction Cost						\$1,885,316.90	
ODOT 2025 Inflation Factor (5.9%)						\$1,996,550.60	
ODOT 2026 Inflation Factor (5.5%)						\$2,106,360.88	
ODOT 2027 Inflation Factor (4.5%)						\$2,201,147.12	
ODOT 2028 Inflation Factor (3.5%)						\$2,278,187.27	

ASSUMPTIONS

1. Geotechnical investigations were not performed for this project. Typical pavement sections were developed with the assumption that the existing subgrades will require excavation and replacement for 20% of the trail length. Actual conditions may vary and may affect project schedule and costs of Item 203 - Excavation and Item 204 - Granular Material, Type B.