

Ohio Department of Development  
 Ohio & Erie Canal Towpath Trail  
 Opinion of Probable Costs  
 December 11, 2024



SEGMENT	TOTAL COST
Segment 400 (Ex. Towpath Trail to Tuscarawas Avenue)	\$512,945.43
Segment 500 (Tuscarawas Avenue to Shafer Avenue)	\$722,945.78
Segment 600 (Shafer Avenue to Union Avenue)	\$239,602.50
Segment 700 (Union Avenue from Shafer Avenue to City Limits)	\$452,550.30
	<b>TOTAL</b>
	<b>\$1,928,044.00</b>
Construction Administration (10%)	\$192,804.40
Design and Documents	\$180,000.00
	<b>GRAND TOTAL</b>
	<b>\$2,300,848.40</b>
ODOT 2025 Inflation Factor (5.9%)	\$2,436,598.46
ODOT 2026 Inflation Factor (5.5%)	\$2,570,611.37
ODOT 2027 Inflation Factor (4.5%)	\$2,686,288.88
ODOT 2028 Inflation Factor (3.5%)	\$2,780,308.99

**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 Design Fee assumes Segments 400-700 will be designed 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.



*Z.T.C.*

**Ohio Department of Development  
Ohio & Erie Canal Towpath Trail Segment 400  
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**Ohio Department of Development**  
**Ohio & Erie Canal Towpath Trail Segment 500**  
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ITEM	EXT	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
<b>Roadway</b>						
201	21800	Tree Removed, 18"	2	EACH	\$1,000.00	\$2,000.00
202	23000	Pavement Removed	3,280	SY	\$12.00	\$39,360.00
202	32000	Curb Removed	1,467	FT	\$10.00	\$14,670.00
202	32500	Curb and Gutter Removed	680	FT	\$12.00	\$8,160.00
202	98000	Removal Misc.: Parapet Wall Removed	1	LS	\$10,000.00	\$10,000.00
607	98000	Fence, Misc.: Timber Rail	45	FT	\$68.00	\$3,060.00
608	10000	4" Concrete Walk	5,723	SF	\$8.50	\$48,645.50
690	98200	Cellular Confinement System (Wall)	1,200	SF	\$75.00	\$90,000.00
690	98400	Railroad Coordination	1	LS	\$25,000.00	\$25,000.00
690	98400	At-Grade Railroad Crossing Modification	1	LS	\$20,000.00	\$20,000.00
608	52000	Curb Ramp	50	SF	\$20.00	\$1,000.00
<b>Subtotal</b>						<b>\$261,895.50</b>
<b>Earthwork</b>						
203	10000	Excavation	324	CY	\$25.00	\$8,100.00
203	20000	Embankment	1,047	CY	\$35.00	\$36,645.00
651	10000	Topsoil Stockpiled	108	CY	\$25.00	\$2,700.00
652	10000	Placing Stockpiled Topsoil	108	CY	\$30.00	\$3,240.00
<b>Subtotal</b>						<b>\$50,685.00</b>
<b>Erosion Control</b>						
659	00500	Seeding and Mulching, Class 1	1,158	SY	\$3.00	\$3,474.00
659	20000	Commercial Fertilizer	0.2	TON	\$1,500.00	\$300.00
659	31000	Lime	0.3	ACRE	\$1,000.00	\$300.00
659	35000	Water	7	MGAL	\$500.00	\$3,500.00
832	15000	Storm Water Pollution Plan	1	LS	\$1,000.00	\$1,000.00
832	15002	Storm Water Pollution Plan Inspections	1	LS	\$2,500.00	\$2,500.00
832	15010	Storm Water Pollution Plan Inspections Software	1	LS	\$5,000.00	\$5,000.00
832	30000	Erosion Control	23,132	EACH	\$1.00	\$23,132.00
<b>Subtotal</b>						<b>\$39,206.00</b>
<b>Drainage</b>						
611	04400	12" Conduit, Type B	50	FT	\$95.00	\$4,750.00
611	98180	Catch Basin, No. 3A	5	EACH	\$3,000.00	\$15,000.00
<b>Subtotal</b>						<b>\$19,750.00</b>
<b>Pavement</b>						
204	10000	Subgrade Compaction	260	SY	\$3.00	\$780.00
204	45000	Proof Rolling	2	HR	\$300.00	\$600.00
304	20000	Aggregate Base	443	CY	\$95.00	\$42,085.00
407	10000	Tack Coat	120	GAL	\$6.50	\$780.00
441	70000	Asphalt Concrete Surface Course, Type 1, (449), PG64-22	68	CY	\$320.00	\$21,760.00
441	70200	Asphalt Concrete Intermediate Course, Type 1, (449)	97	CY	\$290.00	\$28,130.00
451	10010	6" Non-Reinforced Concrete Pavement, Class QC 1P	155	SY	\$150.00	\$23,250.00
609	12000	Combination Curb and Gutter, Type 2	1,687	FT	\$27.50	\$46,392.50
609	26000	Curb, Type 6	689	FT	\$25.00	\$17,225.00
<b>Subtotal</b>						<b>\$181,002.50</b>
<b>Traffic Control</b>						
630	03100	Ground Mounted Support, No. 3 Post	14	FT	\$15.00	\$210.00
630	80100	Sign, Flat Sheet	3	SF	\$20.00	\$60.00
644	00620	Crosswalk Line, 12"	226	FT	\$10.00	\$2,260.00
644	00700	Transverse/Diagonal Line	150	FT	\$6.50	\$975.00
644	00300	Center Line	0.54	MILE	\$7,000.00	\$3,752.00
644	00400	Channelizing Line, 8"	50	FT	\$2.50	\$125.00
644	00500	Stop Line	10	FT	\$9.00	\$90.00
644	01300	Lane Arrow	2	EACH	\$120.00	\$240.00
644	30000	Removal of Pavement Marking	2,622	FT	\$1.25	\$3,277.50
644	30020	Removal of Pavement Marking	2	EACH	\$60.00	\$120.00
<b>Subtotal</b>						<b>\$11,109.50</b>

**Ohio Department of Development**  
**Ohio & Erie Canal Towpath Trail Segment 500**  
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ITEM	EXT	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
<b>Incidentals</b>						
103	05000	Premium for Contract Performance Bond and For Payment Bond	1	LS	\$9,000.00	\$9,000.00
614	11000	Maintaining Traffic	1	LS	\$25,000.00	\$25,000.00
623	10000	Construction Layout Stakes and Surveying	1	LS	\$6,000.00	\$6,000.00
624	10000	Mobilization	1	LS	\$25,000.00	\$25,000.00
<b>Subtotal</b>						<b>\$65,000.00</b>
<b>Total</b>						<b>\$628,648.50</b>
<b>Contingency (15%)</b>						
						\$94,297.28
<b>Total Construction Cost</b>						<b>\$722,945.78</b>
ODOT 2024 Inflation Factor (5.7%)						
ODOT 2025 Inflation Factor (5.9%)						
ODOT 2026 Inflation Factor (5.5%)						
ODOT 2027 Inflation Factor (4.5%)						
ODOT 2028 Inflation Factor (3.5%)						

**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.

**Ohio Department of Development  
Ohio & Erie Canal Towpath Trail Segment 600  
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**Ohio Department of Development  
Ohio & Erie Canal Towpath Trail Segment 700 DOVER  
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