

A Parma to Albion Rail-with-Trail

Preliminary Cost Opinion

Grade existing service road; bridge over river; and crosswalks



Notes:

- a Path on private property (mostly Consumers Energy Property)
- c Total Length 43,710 LF

8.3 Miles

Item	Description	Quantity	Unit	Unit Price	Cost
1	11' Wide Graded Natural Surface Path	43,216	LF	\$ 20	\$ 864,325
2	Crosswalk Signs and Pavement Markings	2	EA	\$ 5,000	\$ 10,000
3	RRFB Ped. Crossing w/ Advanced Warning	2	EA	\$ 50,000	\$ 100,000
4	14' Wide Concrete Deck Pedestrian Bridge	145	LF	\$ 4,000	\$ 580,000
5	Basic Site Amenities	43,710	LF	\$ 5	\$ 218,550
Subtotal of Construction Costs					\$ 1,772,875
Contingency					20% \$ 354,575
Construction Total *					\$ 2,127,450

Engineering & Design	10%	\$ 212,745
Construction Administration	4%	\$ 85,098
Construction Observation	6%	\$ 127,647
Subtotal of Total Soft Costs		\$ 425,490

Total Project Cost * **\$ 2,552,940**

* Insufficient information on presence of wetlands to prepare cost opinion

Potential Additional Cost for Boardwalks Based on Adjacent Wetlands

14' Wide Concrete Plank Boardwalk	15,022	LF	\$ 1,000	\$ 15,022,317
Reduction of 11' Natural Surface Path	15,022	LF	\$ (75)	\$ (1,126,674)
Subtotal of Potential Boardwalk Construction Costs				\$ 13,895,643
Contingency			20%	\$ 2,779,129
Potential Boardwalk Construction Total				\$ 16,674,772

Engineering & Design	10%	\$ 1,667,477
Construction Administration	4%	\$ 666,991
Construction Observation	6%	\$ 1,000,486
Subtotal of Total Soft Costs for Boardwalks		\$ 3,334,954

Potential Additional Boardwalk Costs **\$ 20,009,726**

B Michigan Avenue | Chapel Road Pathway

Preliminary Cost Opinion

Paved sidepath; bridge over river; and crosswalks



Notes:

- a Path along Road ROW
- c Total Length 30,626 LF 5.8 Miles

Description	Quantity	Unit	Unit Price	Cost
1 Site Clearing and Rough Grading	30,626	LF	\$ 20	\$ 612,520
2 11' Wide Asphalt Path, Base, and Grading	30,626	LF	\$ 75	\$ 2,296,951
3 Crosswalk Signs and Pavement Markings	5	EA	\$ 5,000	\$ 25,000
4 RRFB Ped. Crossing w/ Advanced Warning	1	EA	\$ 50,000	\$ 50,000
5 Landscaping and Site Amenities	30,626	LF	\$ 20	\$ 612,520
Subtotal of Construction Costs				\$ 3,596,992
Contingency			20%	\$ 719,398
Construction Total				\$ 4,316,390
Engineering & Design			10%	\$ 431,639
Construction Administration			4%	\$ 172,656
Construction Observation			6%	\$ 258,983
Subtotal of Total Soft Costs				\$ 863,278
Total Project Cost				\$ 5,179,668

C Hanover | Horton Rail-Trail

Preliminary Cost Opinion

Grade existing railroad balast, short trail in town, bridges, and crosswalks



Notes:

- a Path on private property (mostly Consumers Energy Property)
- c Total Length 46,084 LF

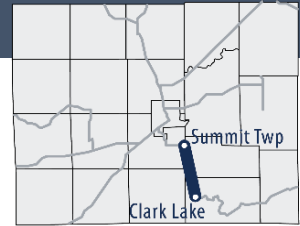
8.7 Miles

Description	Quantity	Unit	Unit Price	Cost
1 11' Wide Graded Existing RR Balast	43,672	LF	\$ 20	\$ 873,442
2 11' Wide Asphalt Path, Base, and Grading	2,112	LF	\$ 75	\$ 158,385
3 Crosswalk Signs and Pavement Markings	13	EA	\$ 5,000	\$ 65,000
4 Landscaping and Site Amenities	46,084	LF	\$ 20	\$ 921,676
5 Retrofit Existing Bridge	1	LS	\$ 50,000	\$ 50,000
6 14' Wide Concrete Deck Pedestrian Bridge	30	LF	\$ 4,000	\$ 120,000
Subtotal of Construction Costs				\$ 2,188,502
Contingency			20%	\$ 437,700
Construction Total				\$ 2,626,202
Engineering & Design			10%	\$ 262,620
Construction Administration			4%	\$ 105,048
Construction Observation			6%	\$ 157,572
Subtotal of Total Soft Costs				\$ 525,240
Total Project Cost				\$ 3,151,443

D Summit to Clark Lake Rail-Trail

Preliminary Cost Opinion

Grade existing railroad ballast and crosswalks



Notes:

- a Path on private property
- b Total Length 35,247 LF 6.7 Miles

Description	Quantity	Unit	Unit Price	Cost
1 11' Wide Graded Existing RR Balast	35,247	LF	\$ 20	\$ 704,939
2 Crosswalk Signs and Pavement Markings	2	EA	\$ 5,000	\$ 10,000
3 Basic Site Amenities	35,247	LF	\$ 5	\$ 176,235
Subtotal of Construction Costs				\$ 891,174
Contingency			20%	\$ 178,235
Construction Total				\$ 1,069,408
Engineering & Design			10%	\$ 106,941
Construction Administration			4%	\$ 42,776
Construction Observation			6%	\$ 64,165
Subtotal of Total Soft Costs				\$ 213,882

Total Project Cost

\$ 1,283,290

* Insufficient information on presence of wetlands to prepare cost opinion

Potential Additional Cost for Boardwalks Based on Adjacent Wetlands

14' Wide Concrete Plank Boardwalk	5,017	LF	\$ 1,000	\$ 5,016,826
Reduction in Trail Grading	5,017	LF	\$ (20)	\$ (100,337)
Subtotal of Construction Costs				\$ 4,916,489
Contingency			20%	\$ 983,298
Potential Boardwalk Construction Total				\$ 5,899,787
Engineering & Design			10%	\$ 589,979
Construction Administration			4%	\$ 235,991
Construction Observation			6%	\$ 353,987
Subtotal of Total Soft Costs for Boardwalks				\$ 1,179,957

Potential Additional Boardwalk Costs

\$ 7,079,745

E Columbia Twp Rail-Trail

Preliminary Cost Opinion

Paved shared use path on abandoned railroad corridor and crosswalks



Notes:

- a Path on private property
- b Total Length 11,124 LF 2.1 Miles

Description	Quantity	Unit	Unit Price	Cost
1 11' Wide Asphalt Path, Base, and Grading	11,124	LF	\$ 75	\$ 834,267
2 Crosswalk Signs and Pavement Markings	2	EA	\$ 5,000	\$ 10,000
3 RRFB Ped. Crossing w/ Advanced Warning	1	EA	\$ 50,000	\$ 50,000
4 Landscaping and Site Amenities	11,124	LF	\$ 20	\$ 222,471
Subtotal of Construction Costs				\$ 1,116,738
Contingency			20%	\$ 223,348
Construction Total				\$ 1,340,085
Engineering & Design			10%	\$ 134,009
Construction Administration			4%	\$ 53,603
Construction Observation			6%	\$ 80,405
Subtotal of Total Soft Costs				\$ 268,017
Total Project Cost				\$ 1,608,102

F Watkins Lake Rail-Trail

Preliminary Cost Opinion

Grade existing railroad ballast, gravel road route, and crosswalks



Notes:

- a Path on private property
- c Total Length 27,457 LF 5.2 Miles

Description	Quantity	Unit	Unit Price	Cost
1 11' Wide Graded Existing RR Balast	21,291	LF	\$ 20	\$ 425,820
2 Crosswalk Signs and Pavement Markings	3	EA	\$ 5,000	\$ 15,000
3 14' Wide Concrete Deck Pedestrian Bridge	60	LF	\$ 4,000	\$ 240,000
4 Landscaping and Site Amenities	21,291	LF	\$ 20	\$ 425,820
Subtotal of Construction Costs				\$ 1,106,640
Contingency			20%	\$ 221,328
Construction Total				\$ 1,327,968
Engineering & Design			10%	\$ 132,797
Construction Administration			4%	\$ 53,119
Construction Observation			6%	\$ 79,678
Subtotal of Total Soft Costs				\$ 265,594

Total Project Cost (use existing bridge) \$ 1,593,562

Potential Additional Cost for Boardwalks Based on Adjacent Wetlands

Note: this is unlikely unless the railroad grade has been removed

14' Wide Concrete Plank Boardwalk	11,124	LF	\$ 1,000	\$ 11,124,000
Reduction of 11' Graded Existing RR Balast	11,124	LF	\$ (20)	\$ (222,480)
Subtotal of Potential Boardwalk Construction Costs				\$ 10,901,520
Contingency			20%	\$ 2,180,304
Potential Boardwalk Construction Total				\$ 13,081,824
Engineering & Design			10%	\$ 1,308,182
Construction Administration			4%	\$ 523,273
Construction Observation			6%	\$ 784,909
Subtotal of Total Soft Costs for Boardwalks				\$ 2,616,365

Potential Additional Boardwalk Costs \$ 15,698,189

G Ann Arbor Road Pathway

Preliminary Cost Opinion

Paved sidepath and crosswalks



Notes:

- a Path in ROW or adjacent private property
- b Total Length

45,754 LF

8.7 Miles

Description	Quantity	Unit	Unit Price	Cost
1 Site Clearing and Rough Grading	45,754	LF	\$ 20	\$ 915,080
2 11' Wide Asphalt Path, Base, and Grading	45,754	LF	\$ 75	\$ 3,431,581
3 Crosswalk Signs and Pavement Markings	5	EA	\$ 5,000	\$ 25,000
4 Landscaping and Site Amenities	45,754	LF	\$ 20	\$ 915,088
Subtotal of Construction Costs				\$ 4,371,670
Contingency			20%	\$ 874,334
Construction Total				\$ 5,246,004
Engineering & Design			10%	\$ 524,600
Construction Administration			4%	\$ 209,840
Construction Observation			6%	\$ 314,760
Subtotal of Total Soft Costs				\$ 1,049,201
Total Project Cost				\$ 6,295,204

H Rives Rail-With-Trail

Preliminary Cost Opinion

Grade service road; paved trail in built-up areas; paved sidepath; and crosswalks



8.0 Miles

Notes:

- a Path on private property (primarily Consumers Energy Property)
- c Total Length 42,410 LF

Description	Quantity	Unit	Unit Price	Cost
1 11' Wide Graded Existing Surface Path	27,068	LF	\$ 10	\$ 270,684
2 11' Wide Asphalt Path, Base, and Grading	15,342	LF	\$ 75	\$ 1,150,650
3 Crosswalk Signs and Pavement Markings	3	EA	\$ 5,000	\$ 15,000
4 RRFB Ped. Crossing w/ Advanced Warning	1	EA	\$ 50,000	\$ 50,000
5 Crossing Island w/ RRFB and Adv. Warning	2	EA	\$ 75,000	\$ 150,000
6 Landscaping and Site Amenities	42,410	LF	\$ 20	\$ 848,207
Subtotal of Construction Costs				\$ 2,484,541
Contingency			20%	\$ 496,908
Construction Total (use existing bridge)				\$ 2,981,449
Engineering & Design			10%	\$ 298,145
Construction Administration			4%	\$ 119,258
Construction Observation			6%	\$ 178,887
Subtotal of Total Soft Costs				\$ 596,290

Total Project Cost

\$ 3,577,739

* Insufficient information on presence of wetlands to prepare comprehensive cost opinion

Potential Additional Cost for Boardwalks Based on Adjacent Wetlands

Note: The existing service road appears to be marginally higher than the adjacent wetlands

14' Wide Concrete Plank Boardwalk	15,989	LF	\$ 1,000	\$ 15,988,660
Reduction of 11' Asphalt Trail	15,989	LF	\$ (75.00)	\$ (1,199,175)
Subtotal of Potential Boardwalk Construction Costs				\$ 14,789,485
Contingency			20%	\$ 2,957,897
Potential Boardwalk Construction Total				\$ 17,747,382
Engineering & Design			10%	\$ 1,774,738
Construction Administration			4%	\$ 709,895
Construction Observation			6%	\$ 1,064,843
Subtotal of Total Soft Costs for Boardwalks				\$ 3,549,476

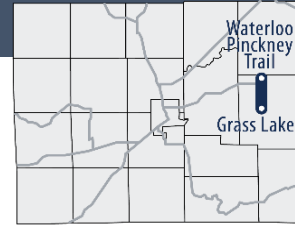
Potential Additional Boardwalk Costs

\$ 21,296,858

I Mount Hope Road Sidepath

Preliminary Cost Opinion

Paved sidepath; bridge over freeway; RR pedestrian crossing; and crosswalks



Notes:

- a Path in ROW or adjacent private property
- b Total Length 19,766 LF 3.7 Miles

Description	Quantity	Unit	Unit Price	Cost
1 Site Clearing and Rough Grading	19,766	LF	\$ 20	\$ 395,320
2 11' Wide Asphalt Path, Base, and Grading	19,766	LF	\$ 75	\$ 1,482,475
3 Crosswalk Signs and Pavement Markings	1	EA	\$ 5,000	\$ 5,000
4 RRFB Ped. Crossing w/ Advanced Warning	4	EA	\$ 50,000	\$ 200,000
5 Pedestrian RR Crossing Improvements	1	LS	\$ 250,000	\$ 250,000
6 14' Wide Concrete Deck Pedestrian Bridge	260	LF	\$ 4,000	\$ 1,040,000
7 Landscaping and Site Amenities	19,766	LF	\$ 20	\$ 395,327
Subtotal of Construction Costs				\$ 3,372,802
Contingency			20%	\$ 674,560
Construction Total				\$ 4,047,363
Engineering & Design			10%	\$ 404,736
Construction Administration			4%	\$ 161,895
Construction Observation			6%	\$ 242,842
Subtotal of Total Soft Costs				\$ 809,473
Total Project Cost				\$ 4,856,835