

Guelph Trail Master Plan Figure 4-1. Unit Price Schedule

These estimated unit costs for on-and off-road trail and bikeway construction are based on averages obtained from a number of trail construction projects in various municipalities in Ontario. They can be used as a guideline for establishing the costs for implementation of trail segments. The unit costs assume typical conditions for construction. For off-road trails, the unit prices assume good soil conditions, and a minimal requirement for grading, and are for the construction of the trail itself. Additional items such as signage and other amenities are listed separately. Figures for on-road facility construction do not include specific conditions such as property acquisition, utility relocations and driveway restorations. As such, the unit prices listed here are for guideline purposes only. As each trail segment becomes a priority for construction, detailed study will be required as part of the detailed design process to determine site-specific conditions and design details. Detailed cost estimates can then be developed from this work.

ITEM	UNIT	UNIT PRICE	COMMENTS
Trail Surfacing			
1. Rough Grading	LM	\$2.50	includes leveling and packing after leveling
2. Construct new stone dust limestone screening trail	LM	\$50.00	"normal conditions"
3. Construct new stone dust limestone screening trail	LM	\$70.00	difficult conditions
4. Construct new asphalt trail	LM	\$70.00	
5. Upgrading gravel tar and chip	LM	\$12.00	includes 1 coat primer and 2 coats surface (areas requiring "trail hardening")
6. Upgrading gravel trail to Asphalt	LM	\$45.00	price includes some upgrades to the base
7. Construct tertiary style trail	LM	\$10.00	includes clearing and grubbing with minor regrading to eliminate high and low points
8. Construct Concrete sidewalk	LM	\$75.00	one side of street only
9. Curb Cut	each	\$500.00	based on recent tenders and most recent accessibility standards
Signage			
1. Major Gateway (motorist orientation)	each	\$15,000.00	based on cost of previously constructed units
2. Major Trailhead Kiosk (pedestrian oriented)	each	\$3,000.00	for structure, does not include design, or sign panels
3. Signboards for Trailhead Kiosk sign	each	\$2,000.00	typical production cost, does not include graphic design
4. Trail Directional Sign	each	\$200.00	includes markers and post
5. Trail Marker Sign	each	\$100.00	includes markers and post
6. Interpretive Sign	each	\$800.00	for structure, does not include design, or sign panels
7. Signboards for Interpretive Sign	each	\$800.00	does not include graphic design
8. Traffic Signs - On-road	each	\$200.00	per MTO specs
9. Regulatory Signs (on trail)	each	\$75.00	same as MTO spec, smaller in size (where applicable signs exist)
Barriers and Access			
1. Lockable Gate (2 per road crossing)	each	\$1,250.00	price indicated for one side of road (2 required per road crossing, specific areas only)
2. Berming/boulders at road crossing	each	\$500.00	price indicated for one side of road (2 required per road crossing, specific areas only)
3. Page Wire Fencing	LM	\$12.00	GRCA reports as low as \$10.00/m
4. Parking Lot at staging area	each	\$10,000.00	new gravel parking lot, 15 car capacity
5. Chain Link Fencing	LM	\$50.00	range of \$35.00-\$65.00/m depending on height, gauge and site conditions
6. Signalized Road Crossing	each	\$60,000.00	intersection pedestrian signal (IPS)
7. Pedestrian Refuge	each	\$20,000.00	
Structures			
1. New boardwalk (pedestrian-light duty)	LM	\$450.00	new construction-includes floating foundation and decking 1.5m wide
2. New boardwalk (pedestrian-medium duty)	LM	\$600.00	new construction-includes footings and decking 2.5m wide
2. New boardwalk (pedestrian-heavy duty)	LM	\$1,200.00	new construction-includes footings and decking 3.0m wide
3. New Concrete Box Culvert (walkthrough)	LM	\$10,000.00	crossing below major roadway
4. Steel Truss Pedestrian Bridge	LM	\$2,800.00	
Site Furnishings			
1. Benches	each	\$600.00	can be as low as \$250.00 for "low tech" benches
2. Garbage Container	each	\$150.00	as high as 2200 each for below grade, high capacity units
3. Bicycle Rack	each	\$150.00	for post and ring style, as high as \$750.00 for multi-unit racks
4. Servicing of Port o Let	each	\$600.00	per season
5. Construct washroom building	each	\$3,500.00	wood structure with concrete holding tank
On Road (Cycling Related)			
1. Pave Existing Shoulders	LM	\$140.00	price for two sides, rural cross section
2. Construct new shoulder and pave	LM	\$220.00	price for two sides, rural cross section
3. Pave shoulder as part of road reconstruction	LM	\$180.00	price for two sides, rural cross section
4. Construct Bike Lane-new Construction	LM	\$450.00	price for two sides
5. Construct bike lane as part of reconstruction	LM	\$150.00	price for two sides
6. Paint bike lane on existing road	LM	\$9.00	price for two sides
7. Construct wide shared lane -new construction	LM	\$330.00	price for two sides
8. Construct wide shared lane as part of reconstruction	LM	\$230.00	price for two sides
9. On-road signed route	LM	\$2.00	price for two sides
10. Replace catch basin covers with bicycle friendly model	each	\$260.00	
11. Traffic Control sign	each	\$200.00	
12. Route Sign	each	\$100.00	