

Appendix

B

Recommended
Improvement
Costs and Scores

Unit Price Schedule

ID	Description	Unit	Unit Value*	Comments/Assumptions
1	Signed Bike Route Sharrow Lane Markings	Linear Km	\$ 3,700	Price for both sides of the road, includes route signs every 330m (\$1,500/km both sides), and sharrow stencil every 75m as per Ministry Guidelines (Painted \$75 each x 26/km = \$1,950 in table) If thermoplastic type product is used assume \$250 / each x 26 = \$6,500 source Flint Trading Inc.
2	Signed Bike Route with Buffered Paved Shoulder in conjunction with existing road reconstruction / resurfacing	Linear Km	\$ 253,600	Price for both sides of the road, 1.5m paved shoulder + 0.5 to 1.0m paved buffer, assumes cycling project pays for additional granular base, asphalt, edge lines and signs (buffer zone framed by white edge lines)
3	Conventional 1.5m-1.8m Bicycle Lanes by Adding Bike Lane Markings and Signs	Linear Km	\$ 12,170	Price for both sides of the road, includes signs, stencils and edge line. Price is for conventional paint, (assumes painted lane line at \$1 / m + \$75 / symbol x 26 + \$2000 for signs)increase budget to \$20,000 /km for Thermoplastic) e.g. lane line in thermo is \$5.50/m compared to \$1.00/m for paint
4	Conventional 1.5m-1.8m Bicycle Lanes in Conjunction with a New Road or Road Reconstruction Project	Linear Km	\$ 253,600	Price for both sides of the road, assumes 1.5m bike lanes on both sides of the roadway (1.5m x 2 sides = 3.0m). Includes catch basin leads, asphalt, signs, pavement markings sub-base only. Road project funds all other improvements
5	Buffered Bicycle Lane with Flex Bollards - Assumed New Road or Road Reconstruction/Widening Already Planned	Linear Km	\$ 382,430	Price for both sides of the road, assumes 1.5m bike lanes + flex bollards centered in hatched buffer zone at 10m intervals. Includes catch basin leads, asphalt, signs, edge line pavement markings (both sides of buffer zone) sub-base only
6	Uni-directional Cycle Tracks: Raised and Curb Separated - Retrofit Existing Roadway	Linear Km	\$ 862,240	Both sides. Includes construction but excludes design and signal modifications. Form of cycle track and materials as well as related components such as bike signals, upgrade/modification of signal controllers, utility/lighting pole relocations, bike boxes etc. are project specific and will impact unit price
7	Two Way Active Transportation Multi-Use path within road right-of-way	Linear KM	\$ 380,410	3.0m wide hard surface pathway (asphalt) within road right of way (no utility relocations). Price depends of scale / complexity of project and if existing sidewalk is being removed (i.e. crushing of existing sidewalk and compacting for trail base).
8	Hard Surfaced Off-Road Multi-Use Trail Outside of Road Right-of-Way in an Urban Setting (New)	Linear Km	\$ 310,000	3.0m wide hard surface pathway (asphalt) within park setting (normal conditions) 90mm asphalt depth. Price depends of scale / complexity of project.
9	Granular Surfaced Off-Road Multi-Use Trail Outside of Road Right-of-Way in an Urban Setting	Linear Km	\$ 175,000	3.0m wide, compacted stone dust surface normal site conditions. Price depends of scale / complexity of project.
10	Upgrade existing granular surface trail to meet 3.0m wide compacted	Linear Km	\$ 126,800	Includes some new base work (25% approx.) and an average of 20 regulatory signs per kilometre. Price depends of scale and existing trail conditions e.g. width, slope, location of trail, etc.
11	Granular surfaced Multi-Use Trail in a Woodland Setting	Linear Km	\$ 150,000	2.4m wide, compacted stone dust surface. Price depends of scale / complexity of project.
12	Sidewalk	Linear Km	\$ 280,000	Price for 1.5m concrete sidewalk. Include site prep., select utility relocation, minor drainage modifications / traffic control.
13	Signalized Intersection Optimization Improvements	each	\$ 50,000	Price to add signal optimization improvements such as actuated weight pads and buttons at four approaches, as well as transit-signal priority at two approaches.
14	Arterial (Widening)	Linear Km	\$ 3,249,700	Price to widen an existing roadway.
15	Collector (Extension)	Linear Km	\$ 2,730,560	Price to extend an existing collector roadway.
16	Flex Street Reconstruction	Linear Km	\$ 2,730,560	Reconstruction of the roadway to include flexible infrastructure including making the sidewalks flush with the roadway and incorporating enhanced placemaking and public realm materials.
17	Roundabout Construction	each	\$ 500,000	Cost to construct a Roundabout with pedestrian and cyclist facilities.
18	Signalized Intersection	each	\$ 300,000	Cost to implement a signalized intersection with auxiliary left/right-turn lanes on each approach.
19	Pedestrian Crossover - PXO Level 2 B	each	\$ 20,000	Cost to implement an OTM Book 15 PXO Level 2 B signalized pedestrian crossover including signage, pavement markings, and signals.
20	Pedestrian Crossover - PXO Level 2 C	each	\$ 20,000	Cost to implement an OTM Book 15 PXO Level 2 C signalized pedestrian crossover including signage, pavement markings, and signals.
21	EA Study - Class B	each	\$ 150,000	Study cost to prepare an environmental assessment for a Class B improvement.
22	EA Study - Class C	each	\$ 275,000	Study cost to prepare an environmental assessment for a Class C improvement.

*All unit prices exclude tax, contingency, design and approvals costs.

106	Pedestrian	Scott Street	Sidewalk (one side)	sidewalk on the north side of Scott Street between Johnson street and William street. Work should be coordinated with Project No. 25 - the Scott Street / William Street pedestrian crossover implementation.	Local	0.5	12	Linear Km	\$ 280,000	Rehab Addition	Short-Term	0%	\$ 134,462	A+	\$ -	\$ 134,462	\$ -	\$ 134,462	Town
107	Pedestrian	Hillcrest Lane	Sidewalk (one side)	Scott Street to Scott Street	Local	0.2	12	Linear Km	\$ 280,000	Rehab Addition	Short-Term	0%	\$ 55,488	A+	\$ -	\$ 55,488	\$ -	\$ 55,488	Town
108	Pedestrian	Norman Crescent	Sidewalk (one side)	Manly Street to Galloway Boulevard	Local	0.3	12	Linear Km	\$ 280,000	Rehab Addition	Short-Term	0%	\$ 92,890	A+	\$ -	\$ 92,890	\$ -	\$ 92,890	Town
109	Pedestrian	Cedar Street	Sidewalk (one side)	Manly Street to Lescaut Road	Local	0.3	12	Linear Km	\$ 280,000	Rehab Addition	Short-Term	0%	\$ 94,584	A+	\$ -	\$ 94,584	\$ -	\$ 94,584	Town
110	Pedestrian	Randles Crescent	Sidewalk (one side)	Lescaut Road to Lescaut Road	Local	0.4	12	Linear Km	\$ 280,000	Rehab Addition	Short-Term	0%	\$ 118,504	A+	\$ -	\$ 118,504	\$ -	\$ 118,504	Town
111	Pedestrian	Sheridan St	Sidewalk (one side)	Randles Crescent to Lescaut Road	Local	0.1	12	Linear Km	\$ 280,000	Rehab Addition	Short-Term	0%	\$ 37,058	A+	\$ -	\$ 37,058	\$ -	\$ 37,058	Town
112	Pedestrian	Harvey Avenue	Sidewalk (one side)	Lescaut Road to Chaingate Drive	Local	0.1	12	Linear Km	\$ 280,000	Rehab Addition	Short-Term	0%	\$ 40,323	A+	\$ -	\$ 40,323	\$ -	\$ 40,323	Town
113	Pedestrian	Prospect Blvd	Sidewalk (one side)	Macdonald Rad to King street	Local	0.8	12	Linear Km	\$ 280,000	Rehab Addition	Short-Term	0%	\$ 230,703	A+	\$ -	\$ 230,703	\$ -	\$ 230,703	Town
114	Pedestrian	Everton Road	Sidewalk (one side)	Sunnyside Drive to Bayport Blvd	Local	0.9	12	Linear Km	\$ 280,000	Rehab Addition	Mid-Term	0%	\$ 264,186	A+	\$ -	\$ 264,186	\$ -	\$ 264,186	Town
115	Pedestrian	Yonge street	Sidewalk (one side)	County Road 93 to Russ Howard Drive	Local	0.7	12	Linear Km	\$ 280,000	Rehab Addition	Mid-Term	0%	\$ 184,047	A+	\$ -	\$ 184,047	\$ -	\$ 184,047	Town
116	Pedestrian	Aberdeen Blvd	Sidewalk (one side)	Bay street to Rverwalk Pl	Local	2.0	12	Linear Km	\$ 280,000	Rehab Addition	Mid-Term	0%	\$ 548,800	A+	\$ -	\$ 548,800	\$ -	\$ 548,800	Town
117	Pedestrian	Russ Howard Dr	Sidewalk (one side)	Keller Dr to yonge street	Local	0.3	12	Linear Km	\$ 280,000	Rehab Addition	Mid-Term	0%	\$ 81,768	A+	\$ -	\$ 81,768	\$ -	\$ 81,768	Town
118	Pedestrian	Keller Dr	Sidewalk (one side)	Yonge street Russ Howard Dr	Local	0.4	12	Linear Km	\$ 280,000	Rehab Addition	Mid-Term	0%	\$ 121,948	A+	\$ -	\$ 121,948	\$ -	\$ 121,948	Town
119	Pedestrian	Birchwood Dr	Sidewalk (one side)	BayView Drive to Wilson Pkwy	Local	0.5	12	Linear Km	\$ 280,000	Rehab Addition	Mid-Term	0%	\$ 129,186	A+	\$ -	\$ 129,186	\$ -	\$ 129,186	Town
120	Pedestrian	William Street	Sidewalk (one side)	Continuation of the existing sidewalk on the east side of William Street between Southwinds Crescent and the South city limit.	Local	0.9	12	Linear Km	\$ 280,000	Rehab Addition	Mid-Term	75%	\$ 249,889	A+	\$ -	\$ 249,889	\$ 187,417	\$ 62,472	Town
121	Pedestrian	Pillsbury Dr	Sidewalk (one side)	William Street to Streit Manufacturing Inc	Local	0.4	12	Linear Km	\$ 280,000	Rehab Addition	Mid-Term	100%	\$ 112,378	A+	\$ -	\$ 112,378	\$ 112,378	\$ -	Town
122	Pedestrian	Beamish Rd	Sidewalk (one side)	Highway 12 to Macdonald Rd	Local	0.4	12	Linear Km	\$ 280,000	Rehab Addition	Mid-Term	0%	\$ 106,800	A+	\$ -	\$ 106,800	\$ -	\$ 106,800	Town