

Table B1 Detailed Project Cost and Phasing Plan						
Route Description	From	To	Facility Type	Length (km)	Estimated Cost	Construction Horizon (ATP)
Anderson Development - Street AE	Anderson St	Street Z	Bike Lane	0.4	\$ 8,380	3-5
Anderson Development - Street C	Anderson St	Street F	Bike Lane	0.4	\$ 8,380	3-5
Anderson Development - Street Z	Street AE	Street T	Bike Lane	0.8	\$ 15,713	3-5
Anderson Development - Street T	Street Z	Anderson St	Bike Lane	0.2	\$ 3,143	3-5
Anderson Development - Street N	Anderson St	Street H	Bike Lane	0.4	\$ 8,380	3-5
Anderson Development - Street H	Conlin Rd	Street N	Bike Lane	0.4	\$ 8,380	3-5
Anderson Development - Street F	Mid-Block Arterial Rd	Conlin Road	Bike Lane	0.6	\$ 12,570	3-5
Anderson St	Crawforth St	Rossland Rd E	In-Boulevard Trail	1.8	\$ 675,174	10+
Anderson St	Dundas St E	Crawforth St	In-Boulevard Trail	0.2	\$ 87,375	10+
Anderson St	Taunton Rd E	Off-Road Trail, 600 m north of Solmar Ave	In-Boulevard Trail	1.4	\$ 510,322	3-5
Anderson St	Kilbride Dr	Taunton Rd E	Bike Lane	0.2	\$ 3,352	3-5
Anderson St	Crawforth St	Rossland Rd	In-Boulevard Trail	1.8	\$ 675,000	10+
Anderson St	Rossland Rd	Dryden Blvd	In-Boulevard Trail	1.1	\$ 412,500	10+
Anderson St	Dryden Blvd	Taunton Rd	In-Boulevard Trail	0.9	\$ 345,000	10+
Anderson St	Taunton Rd E	Solmar Ave	Bike Lane	0.7	\$ 300,000	0-3
Anderson St	Claire Ave	Winchester Rd E	Signed Route	0.6	\$ 1,677	0-3
Anderson St	Claire Ave	Winchester Rd E	Paved Shoulder	0.6	\$ 83,872	10+
Annes St	Burns St W	Dundas St W	Bike Lane	1.0	\$ 19,992	0-3
Annes St	Roadway terminus	Burns St W	Signed Route	0.3	\$ 775	0-3
Ash St	Mary St E	Chestnut St E	Signed Route	0.6	\$ 1,692	3-5
Ashburn Rd	Brawley Rd W	Myrtle Rd W	Bike Lane	2.1	\$ 44,211	10+
Ashburn Rd	Columbus Rd W	Brawley Rd W	In-Boulevard Trail	2.0	\$ 762,824	5-10
Ashburn Rd	Columbus Rd W	Brawley Rd W	Cycletrack	2.0	\$ 1,830,779	5-10
Ashburn Rd	Winchester Rd W	Columbus Rd W	In-Boulevard Trail	1.8	\$ 687,439	10+
Ashburn Rd	Winchester Rd W	Columbus Rd W	Cycletrack	1.8	\$ 1,649,854	5-10
Ashburn Rd	Iroquois Trail	Winchester Rd W	Bike Lane	1.5	\$ 75,000	3-5
Ashburn Rd	Spencers Rd	Winchester Rd W	In-Boulevard Trail	1.5	\$ 554,016	10+
Ashburn Rd	70m south of Spencers Rd	Spencers Road	In-Boulevard Trail	0.1	\$ 26,250	3-5
Baldwin St S	Brawley Rd W	Carnwith Dr W	In-Boulevard Trail	2.8	\$ 1,031,250	10+
Baldwin St S	Winchester Rd	Spencers Rd	In-Boulevard Trail	1.9	\$ 723,750	3-5
Baldwin St S	Spencers Rd	Sonley Dr	In-Boulevard Trail	1.2	\$ 461,250	3-5
Baldwin St S	Sonley Dr	Taunton Rd W	In-Boulevard Trail	1.2	\$ 453,750	3-5
Beech St W	Centre St N	Fairview Dr	Signed Route	0.7	\$ 2,169	3-5
BNMREA - Street A	BNMREA - Street C	Mid-Block Arterial Rd	In-Boulevard Trail	1.5	\$ 562,500	3-5
BNMREA - Street B	Columbus Rd.	Brawley Rd W	In-Boulevard Trail	2.0	\$ 750,000	3-5
BNMREA - Street D	BNMREA - Street C	Columbus Rd	In-Boulevard Trail	1.6	\$ 600,000	3-5
BNMREA - Street E (Vipond Extension)	Country Ln	Ashburn Rd	In-Boulevard Trail	1.8	\$ 675,000	3-5
BNMREA - Street E (Vipond Extension)	Country Ln	Ashburn Rd	Signed Route	1.8	\$ 5,400	3-5
BNMREA - Street F	BNMREA - Street E	Cochrane St	In-Boulevard Trail	1.6	\$ 600,000	3-5

Route Description	From	To	Facility Type	Length (km)	Estimated Cost	Construction Horizon (ATP)
BNMREA - Street F	BNMREA - Street E	Cochrane St	Signed Route	1.6	\$ 4,800	3-5
Bonacord Ave	Cochrane St	Mackey Dr	Bike Lane	1.3	\$ 27,235	0-3
Bonacord Ave	Cochrane St	Mackey Dr	In-Boulevard Trail	1.3	\$ 487,500	10+
Bonacord Ave Extension	Mackey Dr	Des Newman Blvd	Bike Lane	0.5	\$ 10,965	10+
Bonacord Ave Extension	Mackey Dr	Des Newman Blvd	In-Boulevard Trail	0.5	\$ 196,279	10+
Brawley Rd E extension	Baldwin St N	Oshawa City Limits	In-Boulevard Trail	1.3	\$ 483,742	10+
Brawley Rd W	Duffs Rd	Ashburn Rd	In-Boulevard Trail	1.7	\$ 629,564	10+
Brawley Rd W	Ashburn Rd	Country Ln	In-Boulevard Trail	1.6	\$ 608,653	10+
Brawley Rd W	Baldwin St N	Duffs Rd	In-Boulevard Trail	0.8	\$ 290,088	10+
Brock St N	Maple St E	Manning Rd	In-Boulevard Trail	0.7	\$ 252,324	3-5
Brock St N	Rossland Rd E	Manning Rd	In-Boulevard Trail	0.6	\$ 223,056	0-3
Brock St N	Mary St E	Maple St E	In-Boulevard Trail	0.6	\$ 211,975	3-5
Brock St S	Victoria St W	Water St	In-Boulevard Trail	0.9	\$ 355,106	10+
Brock St S	Consumers Dr	Victoria St W	In-Boulevard Trail	0.6	\$ 2,206,309	5-10
Brock St	Consumers Drive	Mary St E	In-Boulevard Trail	7.6	\$ 2,850,000	10+
Brookwood Blvd	Dryden Blvd	Willowbrook Dr	Signed Route	0.2	\$ 540	10+
Burns St E	Oshawa City Limits	Thickson Rd S	Bike Lane	1.3	\$ 27,695	5-10
Burns St E	Hopkins St	Garden St	Bike Lane	0.8	\$ 17,420	5-10
Burns St W	Brock St S	Lynde Creek Trail	Bike Lane	1.2	\$ 26,159	5-10
Burns St W	Athol St	Brock St S	Bike Lane	0.2	\$ 3,834	5-10
Burns St extension	Thickson Rd S	Hopkins St	Bike Lane	0.8	\$ 17,427	10+
Byron St N	Maple St E	Dundas St W	Signed Route	0.8	\$ 2,340	5-10
Byron St S	St John St W	Off-Road Trail	Signed Route	0.9	\$ 2,657	3-5
Byron St S	Dundas St W	St John St W	Signed Route	0.6	\$ 1,796	3-5
Cachet Blvd	Carnwith Rd E	Columbus Rd E	Signed Route	0.6	\$ 1,885	0-3
Canary St	Florence Dr	Baldwin St S	Signed Route	0.1	\$ 207	10+
Carnwith Dr E	Roadway terminus	Thickson Rd N	Bike Lane	0.7	\$ 15,401	5-10
Carnwith Dr E	Roadway terminus	Thickson Rd N	In-Boulevard Trail	0.7	\$ 275,670	10+
Carnwith Dr W	Baldwin St N	Ashburn Rd	Bike Lane	1.7	\$ 36,521	3-5
Carnwith Dr W	Baldwin St N	Ashburn Rd	In-Boulevard Trail	1.7	\$ 653,710	10+
Carnwith Dr W	Cochrane St	Country Ln	Bike Lane	0.8	\$ 17,729	10+
Carnwith Dr W	Cochrane St	Country Ln	In-Boulevard Trail	0.8	\$ 317,352	10+
Carnwith Dr W	Ashburn Rd	Cochrane St	Bike Lane	0.8	\$ 17,593	5-10
Carnwith Dr W	Ashburn Rd	Cochrane St	In-Boulevard Trail	0.8	\$ 314,908	5-10
Cedarbrook Trail	Columbus Rd W	Brawley Rd W	Signed Route	0.6	\$ 1,908	0-3
Cedarbrook Trail	Columbus Rd W	Brawley Rd W	In-Boulevard Trail	0.6	\$ 238,500	5-10
Centre St	Rossland Rd	Willis Ave	Signed Route	0.9	\$ 2,715	3-5
Centre St N	Maple St W	Beech St W	Signed Route	0.1	\$ 417	3-5
Civic Centre Dr	Rossland Rd E	Dryden Blvd	Bike Lane	0.7	\$ 14,071	5-10
Cochrane St	Columbus Rd W	Brawley Rd W	Bike Lane	2.0	\$ 42,723	10+
Cochrane St	Columbus Rd W	Brawley Rd W	In-Boulevard Trail	2.0	\$ 764,732	10+

Route Description	From	To	Facility Type	Length (km)	Estimated Cost	Construction Horizon (ATP)
Cochrane St	Columbus Rd W	BNMREA - Street G	In-Boulevard Trail	0.5	\$ 187,500	3-5
Cochrane St	Rossland Rd E	Taunton Rd W	Bike Lane	2.0	\$ 42,376	3-5
Cochrane St	Winchester Rd W	Columbus Rd W	Cycletrack	1.9	\$ 1,676,660	5-10
Cochrane St	Winchester Rd W	Columbus Rd W	In-Boulevard Trail	1.9	\$ 698,608	5-10
Cochrane St	Dundas St	Bonacord Ave	Bike Lane	1.1	\$ 24,019	5-10
Cochrane St	Bonacord Ave	Rossland Rd W	Bike Lane	0.9	\$ 19,438	0-3
Cochrane St	Heber Down Entrance	Winchester Rd W	Paved Shoulder	0.9	\$ 133,999	10+
Colborne St	Henry St	Hickory St	Bike Lane	0.8	\$ 16,518	3-5
Colborne St	Reynolds St	Henry St	In-Boulevard Trail	1.0	\$ 367,500	3-5
Columbus Rd E	Baldwin St N	Ashburn Rd	Cycletrack	1.6	\$ 1,477,645	5-10
Columbus Rd E	Baldwin St N	Ashburn Rd	In-Boulevard Trail	1.6	\$ 615,685	5-10
Columbus Rd E	Oshawa City Limits	Thickson Rd N	Bike Lane	1.2	\$ 25,823	10+
Columbus Rd E	Oshawa City Limits	Thickson Rd N	In-Boulevard Trail	1.2	\$ 462,218	10+
Columbus Rd E	Thickson Rd N	Baldwin St N	Cycletrack	0.8	\$ 754,160	10+
Columbus Rd E	Thickson Rd N	Baldwin St N	In-Boulevard Trail	0.8	\$ 314,233	10+
Columbus Rd W	Cochrane St	Country Ln	Cycletrack	0.8	\$ 743,351	5-10
Columbus Rd W	Cochrane St	Country Ln	In-Boulevard Trail	0.8	\$ 309,730	5-10
Columbus Rd W	Coronation Rd	Halls Rd N	Bike Lane	0.8	\$ 17,283	10+
Columbus Rd W	Country Ln	Coronation Rd	Bike Lane	0.8	\$ 17,276	10+
Columbus Rd W	Ashburn Rd	Cochrane St	Cycletrack	0.8	\$ 741,741	5-10
Columbus Rd W	Ashburn Rd	Cochrane St	In-Boulevard Trail	0.8	\$ 309,059	5-10
Columbus Rd W	Halls Rd N	Lake Ridge Rd N	Bike Lane	0.4	\$ 8,825	10+
Conlin Rd	Oshawa City Limits	Anderson St	In-Boulevard Trail	1.9	\$ 712,500	5-10
Conlin Rd	Anderson St	Dead End	Signed Route	0.5	\$ 1,500	5-10
Consumers Dr	Garden St	Hopkins St	In-Boulevard Trail	1.0	\$ 386,250	5-10
Consumers Dr	Hopkins St	Thickson Rd S	In-Boulevard Trail	0.8	\$ 306,773	5-10
Consumers Dr	Brock St S	Garden St	In-Boulevard Trail	0.7	\$ 247,223	5-10
Cork Dr	Fallingbrook St	Garden St	Signed Route	0.2	\$ 590	3-5
Coronation Rd	Rossland Rd W	Future MUP north of Taunton Rd	Bike Lane	2.9	\$ 60,304	0-3
Coronation Rd	Rossland Rd W	Future MUP north of Taunton Rd	In-Boulevard Trail	2.9	\$ 1,079,436	5-10
Coronation Rd	Lyndebrook Rd	Taunton Rd W	Bike Lane	2.1	\$ 508,142	3-5
Coronation Rd	Winchester Rd W	Columbus Rd W	Signed Route	1.9	\$ 5,631	10+
Coronation Rd	Winchester Rd W	Philips Rd	Bike Lane	1.2	\$ 297,449	3-5
Coronation Rd	Philips Rd	Lyndebrook Rd	Bike Lane	0.8	\$ 194,460	3-5
Crawforth St	Thickson Rd N	Pringle St	Signed Route	1.2	\$ 3,473	0-3
Crawforth St	Pringle Dr	Garden St	Signed Route	0.5	\$ 1,524	0-3
Crawforth St	Kathleen St	Thickson Rd N	Signed Route	0.3	\$ 870	0-3
Darren Ave	Thickson Rd N	Anderson St	Signed Route	1.0	\$ 2,915	3-5
Des Newman Blvd	Taunton Rd W	Coronation Rd	In-Boulevard Trail	0.8	\$ 311,646	3-5
Dryden Blvd	Anderson St	Garden St	Signed Route	1.0	\$ 3,000	0-3
Dryden Blvd	Anderson St	Brock St N	Bike Lane	1.8	\$ 38,125	3-5

Route Description	From	To	Facility Type	Length (km)	Estimated Cost	Construction Horizon (ATP)
Dryden Blvd	Oshawa City Limits	Thickson Rd N	Bike Lane	1.2	\$ 25,984	10+
Duffs Rd	Myrtle Rd W	Brawley Rd W	Signed Route	2.1	\$ 6,300	10+
Duffs Rd	Baldwin St N	Brawley Rd W	In-Boulevard Trail	1.2	\$ 431,250	5-10
Duffs Rd	Townline Rd	Myrtle Rd W	Signed Route	2.0	\$ 5,880	10+
Dundas St E	Thickson Rd S	Oshawa City Limits	In-Boulevard Trail	1.2	\$ 452,977	10+
Dundas St W	Des Newman Blvd	McQuay Blvd	In-Boulevard Trail	0.8	\$ 307,853	0-3
Dundas St W	Halls Rd N	Des Newman Blvd	In-Boulevard Trail	0.8	\$ 307,136	5-10
Dundas St W	McQuay Blvd	Cochrane St	In-Boulevard Trail	0.8	\$ 305,198	5-10
Dundas St W	Cochrane St	Henry St	In-Boulevard Trail	0.4	\$ 157,819	5-10
Dundas St E	Henry St	Garden St	In-Boulevard Trail	1.2	\$ 450,000	10+
Dundas St E	Garden St	Thickson RD	In-Boulevard Trail	1.6	\$ 600,000	10+
Dundas St W	Lake Ridge Rd N	Halls Rd N	In-Boulevard Trail	0.4	\$ 157,125	10+
Dunlop St W	Annes St	Byron St S	Bike Lane	0.7	\$ 15,036	3-5
Dymond Dr	Garrard Rd	Hazelwood Dr	Signed Route	0.3	\$ 988	3-5
Elizabeth Cres N	Marta Rd	Erickson Dr	Signed Route	0.1	\$ 368	3-5
Erikson Dr	Elizabeth Cres N	William Stephenson Dr	Signed Route	0.4	\$ 1,310	3-5
Euclid St	Dundas St W	Beech St W	Signed Route	0.9	\$ 2,764	0-3
Evergreen Dr	Hazelwood Dr	Canadian Oaks Dr	Signed Route	0.2	\$ 450	3-5
Florence Dr	Proposed Off-Road Trail	Canary St	Signed Route	0.3	\$ 976	10+
Forest Heights St	Willowbrook Dr	Stonemanor Ave	Signed Route	0.9	\$ 2,626	3-5
Gadsby Dr	Garrard Dr	Evergreen Rd	Signed Route	0.1	\$ 323	3-5
Garden St	Robert Attersley Dr E	Mid-Block Arterial Road	In-Boulevard Trail	2.4	\$ 901,995	5-10
Garden St	Dryden Blvd	Taunton Rd E	In-Boulevard Trail	1.4	\$ 522,377	0-3
Garden St	Dundas St E	Mary St E	In-Boulevard Trail	0.2	\$ 80,572	0-3
Garden St	Mary St E	175 metres north of Mary St E	In-Boulevard Trail	0.2	\$ 65,190	0-3
Garden St	Promenade Dr	Robert Attersley Dr E	In-Boulevard Trail	0.1	\$ 45,967	5-10
Garden St	100 metres south of Dundas St E	Dundas St E	In-Boulevard Trail	0.1	\$ 36,949	3-5
Garrard Rd	Meadoway Alignment	Conlin Rd	Bike Lane	1.6	\$ 33,520	0-3
Garrard Rd	Meadoway Alignment	Conlin Rd	In-Boulevard Trail	1.6	\$ 600,000	5-10
Garrard Rd	Conlin Rd	Taunton Rd E	Bike Lane	2.1	\$ 43,995	5-10
Garrard Rd	Conlin Rd	Taunton Rd E	In-Boulevard Trail	2.1	\$ 787,500	5-10
Garrard Rd	Taunton Rd E	Dryden Blvd	Bike Lane	1.0	\$ 21,788	5-10
Garrard Rd	Dryden Blvd	Rossland Rd E	Bike Lane	1.2	\$ 25,559	5-10
Garrard Rd	Rossland Rd E	Manning Rd	Bike Lane	1.1	\$ 21,998	5-10
Garrard Rd	Manning Rd	Dundas St E	Bike Lane	1.0	\$ 21,369	5-10
Gas Pipeline Trail connection	Ashburn Rd	Gas Pipeline Trail	Off Road Trail	0.6	\$ 226,154	5-10
Giffard St	Cochrane St	Raglan St	Signed Route	0.5	\$ 1,649	3-5
Glenayr Gate	William Stephenson Dr	Anderson St	Signed Route	0.1	\$ 413	3-5
Golders Green Ct	Roadway terminus	Willowbrook Dr	Signed Route	0.1	\$ 290	0-3
Gordon St (Hwy 401 overpass)	Annes St	Gordon St	In-Boulevard Trail	0.5	\$ 30,000,000	10+
Halls Rd S	Waterfront Trail	Victoria St	Signed Route	1.8	\$ 5,400	0-3

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Hazelwood Dr	Manning Rd	Dymond Dr	Signed Route	0.8	\$ 2,425	3-5
Henry St	Dundas St W	Burns St W	Bike Lane	0.9	\$ 19,714	0-3
Henry St	Burns St W	Whitby GO North Entrance	In-Boulevard Trail	0.6	\$ 208,875	5-10
Henry St	Whitby GO North Entrance	Iroquois Park Sports Centre	In-Boulevard Trail	0.3	\$ 122,376	5-10
HEPC Trail	Conlin Rd	North of Hwy 407	Off Road Trail	0.4	\$ 550,000	0-3
HEPC Trail	Winchester Rd	South of Hwy 407	Off Road Trail	1.0	\$ 550,000	0-3
Regency St	Maple St E	Mary St E	Bike Lane	0.2	\$ 3,937	3-5
High St	Mary St W	Walnut St W	Signed Route	0.3	\$ 845	10+
Holiday Dr	Habitant Cres	30 metres north of Barrow Ct	Signed Route	0.2	\$ 708	10+
Holiday Dr	Bonacord Ave	Habitant Cres	Signed Route	0.1	\$ 203	10+
Hopkins St	Burns St E	Nichol Ave	Bike Lane	0.8	\$ 17,726	5-10
Hopkins St	Victoria St E	Consumers Dr	Bike Lane	0.7	\$ 13,899	10+
Hopkins St	Consumers Dr	Burns St E	Bike Lane	0.6	\$ 13,166	5-10
Hopkins St	Victoria St E	Champlain Ct	In-Boulevard Trail	0.4	\$ 137,625	10+
Hopkins St	Nichol Ave	Dundas St E	Bike Lane	0.2	\$ 3,644	5-10
Hopkins St	Champlain Ct	Consumers Dr	In-Boulevard Trail	0.1	\$ 39,528	10+
Jeffrey St	Michael Blvd	Dundas St W	Bike Lane	0.4	\$ 7,734	3-5
Kathleen St	Dundas St E	Crawforth St	Signed Route	0.2	\$ 691	0-3
Kendalwood Rd	Nichol Ave	Burns St E	Bike Lane	0.9	\$ 18,497	5-10
Kendalwood Rd	Dundas St E	Nichol Ave	Bike Lane	0.3	\$ 6,174	5-10
Kilbride Dr	Anderson St	Fallingbrook St	Signed Route	0.7	\$ 2,070	5-10
Lake Ridge Rd N	Victoria St W	Dundas St W	In-Boulevard Trail	2.0	\$ 768,698	10+
Lloyd St	Garrard Rd	Kathleen St	Signed Route	0.5	\$ 1,598	5-10
Manning Rd	Thickson Rd N	Brock St N	In-Boulevard Trail	2.6	\$ 986,241	10+
Manning Rd	Garrard Rd	Thickson Rd N	In-Boulevard Trail	0.8	\$ 308,907	10+
Manning Rd	Oshawa City Limits	Garrard Rd	In-Boulevard Trail	0.6	\$ 209,823	10+
Maple St E	Centre St N	Ash St	Signed Route	0.4	\$ 1,343	3-5
Marta Rd	Thickson Rd N	Elizabeth Cres N	Signed Route	0.2	\$ 455	3-5
Mary St	Garden St	Brock St N	Bike Lane	0.8	\$ 17,272	0-3
Mary St	Brock St N	Euclid St	Bike Lane	0.4	\$ 8,595	0-3
Mary St	Euclid St	High St	Signed Route	0.2	\$ 630	0-3
McKinney Dr	Taunton Rd E	Robert Attersley Dr E	In-Boulevard Trail	0.7	\$ 272,071	10+
McQuay Blvd	Dundas St W	Rossland Rd W	Bike Lane	2.6	\$ 54,524	5-10
Meadowglen Dr	Garden St	Forest Heights St	Signed Route	0.2	\$ 469	3-5
Mid-Block Arterial Road	Oshawa City Limits	Anderson St	In-Boulevard Trail	2.0	\$ 750,000	5-10
Mid-Block Arterial Road	Anderson St	Ashburn Rd	In-Boulevard Trail	1.9	\$ 712,500	3-5
Mid-Block Arterial Road	Asburn Rd	Winchester Rd.	In-Boulevard Trail	1.7	\$ 637,500	5-10
Montgomery Ave	Carnwith Ave	Columbus Rd W	Signed Route	1.4	\$ 4,115	3-5
Montgomery Ave	Heber Down Cres	Vipond Rd	Signed Route	0.4	\$ 1,090	3-5
Nichol Ave	Kendalwood Rd	100 metres west of Wood Dr	In-Boulevard Trail	1.2	\$ 439,565	10+
Pearl St	Cassels Rd E	Baldwin St	Signed Route	0.3	\$ 785	5-10

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Pringle Dr	Crawforth St	120 metres north of Crawforth St	Signed Route	0.1	\$ 364	5-10
Promenade Dr	Anderson St	Garden St	Signed Route	0.9	\$ 2,587	10+
Des Newman Blvd South extension	Off-Road Trail	Dundas St W	In-Boulevard Trail	1.2	\$ 442,272	5-10
Raglan St	Dundas St W	Giffard St	Signed Route	0.2	\$ 625	3-5
Resolute Cres	337 metres south of Bonacord Ave	Bonacord Ave	Signed Route	0.3	\$ 1,012	3-5
Riverwood St	Stonemanor Ave	Taunton Rd E	Signed Route	0.2	\$ 748	0-3
Robert Attersley Dr E	Garden St	Tormina Blvd	Signed Route	1.0	\$ 3,000	5-10
Rosland Rd E	Anderson St	Thickson Rd	In-Boulevard Trail	0.8	\$ 310,406	10+
Rosland Rd E	Garden St	Anderson St	In-Boulevard Trail	0.8	\$ 307,755	10+
Rosland Rd E	Thickson Rd	Garrard Rd	In-Boulevard Trail	0.8	\$ 306,848	10+
Rosland Rd E	Garrard Rd	Oshawa City Limits	In-Boulevard Trail	0.4	\$ 160,493	10+
Rosland Rd W	Brock St N	Coronation Rd	In-Boulevard Trail	1.9	\$ 708,750	0-3
Rosland Rd W	Coronation Rd	Country Ln	In-Boulevard Trail	0.6	\$ 212,595	3-5
Rosland Rd W	Country Ln	Cochrane St	In-Boulevard Trail	0.5	\$ 188,190	3-5
Selkirk Dr Extension (BNMREA)	Columbus Rd	BNMREA - Street C	In-Boulevard Trail	0.5	\$ 187,500	5-10
South Blair St	Roadway terminus	Victoria St W	Paved Shoulder	1.7	\$ 257,043	10+
Springwood St	Nichol Ave	Dundas St E	Signed Route	0.4	\$ 1,165	5-10
Starr Ave	Brock St N	Centre St N	Signed Route	0.2	\$ 647	5-10
Stonemanor Ave	Forest Heights St	Willowbrook Dr	Signed Route	0.5	\$ 1,400	3-5
Taunton Rd E	Des Newman Blvd	Lake Ridge Road	In-Boulevard Trail	0.8	\$ 307,125	10+
Taunton Rd E	Baycliffe Dr	Coronation Rd	In-Boulevard Trail	0.5	\$ 185,625	3-5
Thickson Rd	Consumers Dr	Burns St E	In-Boulevard Trail	0.8	\$ 289,294	5-10
Thickson Rd	Victoria St E	Consumers Dr	In-Boulevard Trail	0.7	\$ 251,940	10+
Thickson Rd N	Winchester Rd E	Conlin Rd	In-Boulevard Trail	2.1	\$ 783,750	5-10
Thickson Rd N	Columbus Rd E	Brawley Rd W	In-Boulevard Trail	2.0	\$ 761,762	10+
Thickson Rd N	Winchester Rd E	Carnwith Dr W	In-Boulevard Trail	1.3	\$ 472,159	5-10
Thickson Rd N	Conlin Rd	Glengowan St	In-Boulevard Trail	1.3	\$ 468,750	5-10
Thickson Rd N	Glengowan St	Taunton Rd E	In-Boulevard Trail	0.8	\$ 297,668	5-10
Thickson Rd N	Carnwith Dr E	Columbus Rd E	In-Boulevard Trail	0.6	\$ 226,826	5-10
Thickson Rd S	Wentworth St	Victoria St E	In-Boulevard Trail	0.8	\$ 310,677	0-3
Thickson Rd	Burns St	Rosland Rd	In-Boulevard Trail	3.0	\$ 1,135,125	10+
Thickson Rd	Dryden Blvd	Taunton Rd	In-Boulevard Trail	0.9	\$ 335,625	10+
Thickson Rd S	Waterfront Trail	Wentworth St	In-Boulevard Trail	0.6	\$ 225,201	10+
Tormina Blvd	Off-Road Trail	Robert Attersley Dr W	Signed Route	0.5	\$ 1,600	10+
Townline Rd E	Oshawa City Limits	Duffs Rd	Paved Shoulder	2.1	\$ 311,862	10+
Townline Rd W	Ashburn Rd	Duffs Rd	Paved Shoulder	1.7	\$ 249,000	10+
Townline Rd W	Dagmar Rd	Grouse Ct	Paved Shoulder	1.7	\$ 247,500	10+
Townline Rd W	Heron Rd	Ashburn Rd	Paved Shoulder	0.8	\$ 124,787	10+
Townline Rd W	Grouse Ct	Heron Rd	Paved Shoulder	0.8	\$ 123,402	10+
Townline Rd W	Lake Ridge Rd N	Dagmar Rd	Paved Shoulder	0.4	\$ 60,204	10+
Trent St E	Peel St	Brock St S	Signed Route	0.3	\$ 915	5-10

Route Description	From	To	Facility Type	Length (km)	Estimated Cost	Construction Horizon (ATP)
Trent St W	Brock St S	Henry St	Signed Route	0.4	\$ 1,232	5-10
Twin Streams Rd	Baycliffe Dr	Cochrane St	In-Boulevard Trail	1.0	\$ 381,652	10+
Twin Streams Rd	Des Newman Blvd	Baycliffe Dr	Bike Lane	1.0	\$ 21,296	10+
Twin Streams Rd	Des Newman Blvd	Baycliffe Dr	In-Boulevard Trail	1.0	\$ 381,202	10+
Victoria St E	Thickson Rd S	South Blair St	In-Boulevard Trail	1.8	\$ 660,060	0-3
Victoria St E	Oshawa City Limits	Home Depot Entrance	In-Boulevard Trail	0.9	\$ 330,632	3-5
Victoria St E	South Blair St	Brock St S	In-Boulevard Trail	0.8	\$ 310,374	3-5
Walnut St W	Brock St N	Cochrane St	Signed Route	0.8	\$ 2,466	10+
Walton Blvd	Roadway terminus	Rossland Rd W	Signed Route	0.7	\$ 2,001	10+
Way St	Price St	Columbus Rd W	Signed Route	1.3	\$ 3,904	0-3
Way St	Baldwin St N	Price St	Signed Route	0.1	\$ 354	0-3
Whitburn St	Brock St N	Off-Road Trail	Signed Route	0.6	\$ 1,679	10+
William Stephenson Dr	Erickson Dr	Overlord St	Signed Route	0.4	\$ 1,217	10+
Willis Ave	Byron St N	Centre St N	Signed Route	0.1	\$ 333	3-5
Willowbrook Dr	Forest Heights St	Stonemanor Ave	Signed Route	1.4	\$ 4,055	10+
Winchester Rd E	Baldwin St S	Anderson St	In-Boulevard Trail	1.3	\$ 476,565	0-3
Winchester Rd E	Oshawa City Limits	Cachet Blvd	In-Boulevard Trail	0.7	\$ 264,741	10+
Winchester Rd W	Ashburn Rd	Baldwin St S	In-Boulevard Trail	0.9	\$ 325,185	3-5
Winchester Rd W	Cochrane St	Ashburn Rd	In-Boulevard Trail	0.9	\$ 322,729	5-10
Woodlands Ave	Willowbrook Dr	Brock St N	Signed Route	0.3	\$ 855	0-3
Oil/gas line trail	Lake Ridge Rd N	Existing trail in Heber Down	Off Road Trail	2.6	\$ 906,673	5-10
Proposed Off-Road Trail	Thickson Rd N	Florence Dr	Off Road Trail	2.2	\$ 775,269	10+
Gas Pipeline Trail	Gas Pipeline Trail connection	Columbus Rd W	Off Road Trail	1.9	\$ 654,978	10+
Proposed Off-Road Trail	Proposed Off-Road Trail	Dundas St W	Off Road Trail	1.7	\$ 581,094	3-5
Lynde Creek Trail (Bonacord to Dundas)	Dundas St W	Bonacord Ave Extension	Off Road Trail	1.7	\$ 580,044	0-3
Trail in Lynde Creek Valley Open Space	Taunton Rd W	Cochrane St	Off Road Trail	1.6	\$ 569,940	5-10
Lynde Creek Trail (Rossland to Twin Streams)	Rossland Rd W	Twin Streams Rd	Off Road Trail	1.6	\$ 568,357	0-3
Proposed Off Road Trail	Town of Whitby Border	Future MUP west of Thickson Rd	Off Road Trail	1.6	\$ 564,748	10+
Lynde Creek Trail (Bonacord to Rossland)	Bonacord Ave Extension	Rossland Rd W	Off Road Trail	1.2	\$ 418,069	0-3
Off-road Trail Mid-block Arterial to St Thomas St	St Thomas St	Mid-Block Rd	Off Road Trail	1.1	\$ 368,136	0-3
Meadoway Alignment	Taunton Rd w	Country Ln	Off Road Trail	1.0	\$ 272,550	3-5
Proposed off-road trail	Columbus Rd W	Lake Ridge Rd N	Off Road Trail	1.0	\$ 354,535	10+
Off road trail along railway south of Burns	Thickson Rd S	Burns St E	Off Road Trail	1.0	\$ 353,864	10+
Lynde Creek Trail (Twin Streams Rd to Taunton Rd)	Twin Streams Rd	Coronation Rd	Off Road Trail	0.9	\$ 161,115	0-3
Lynde Creek Trail	Burns St W	Michael Blvd	Off Road Trail	0.5	\$ 132,250	0-3
HEPC NS Trail Crawforth St to Manning Rd	Crawforth St	Dundas St	Off Road Trail	0.4	\$ 93,150	0-3
Rosedale Park to Longwood SWM Pond			Off Road Trail	0.5	\$ 100,000	0-3
Burns St to Rosedale Park	Rosedale Park	Burns St E	Off Road Trail	0.7	\$ 180,000	0-3

Route Description	From	To	Facility Type	Length (km)	Estimated Cost	Construction Horizon (ATP)
HEPC Trail - Heber Down Lyndebrook to Halls Rd	Heber Down Existing trail	Halls Rd N	Off Road Trail	2.0	\$ 524,975	5-10
Proposed Off Road Trail	Future MUP west of St. Thomas Rd	Future MUP west of Thickson Rd	Off Road Trail	0.6	\$ 220,520	10+
Manning Trail Open Space (Basset to Anderson)	Anderson St	Off-Road Trail	Off Road Trail	0.6	\$ 217,350	0-3
Proposed Off-Road Trail	Brock St N	70 metres west of Starr Ave	Off Road Trail	0.6	\$ 215,521	5-10
Off Road Trail	Taunton Rd E	Off-Road Trail	Off Road Trail	0.1	\$ 38,526	5-10
Brookvalley East	Oshawa City Limits	Existing Off-Road Trail	Off Road Trail	0.6	\$ 216,487	5-10
Off Road Trail east of Holiday Dr	Beech St	Existing trail north of Bonacord Ave	Off Road Trail	0.6	\$ 194,060	10+
Proposed Off Road Trail	Roadway terminus	Chelmsford Dr	Off Road Trail	0.6	\$ 193,624	3-5
Off Road Trail	New Rd / Roybrook Ave	Ashburn Rd	Off Road Trail	0.5	\$ 190,203	0-3
Off Road Trail	Garden St	Proposed trail along railway	Off Road Trail	0.5	\$ 190,080	5-10
Off Road Trail	Rossland Rd W	Rail	Off Road Trail	0.5	\$ 183,729	5-10
Off Road Trail along railway north of Maple	Hickory St N	Garden St	Off Road Trail	0.5	\$ 183,322	10+
Proposed Off Road Trail	Taunton Rd W	Existing trail in Cullen Central Park	Off Road Trail	0.5	\$ 327,750	0-3
Proposed Off Road Trail	Ken Mills Heritage Site	Proposed trail in utility corridor	Off Road Trail	0.5	\$ 169,228	0-3
McClintock Trail	McClintock Ct	Existing path south of Resolute Cres	Off Road Trail	0.5	\$ 163,300	0-3
Pringle Creek OS (Bradley Dr to Pringle Pk)	Bradley Dr	Off-Road Trail	Off Road Trail	0.4	\$ 108,100	0-3
Proposed Off Road Trail	Proposed Off-Road Trail	Consumers Dr	Off Road Trail	0.4	\$ 135,638	5-10
Lynde Trail Cullen Heber Down	Existing off-road trail	Existing park pathway	Off Road Trail	0.5	\$ 327,250	0-3
Proposed Off-Road Trail	Beech St W	355 metres north to Beech St W	Off Road Trail	0.4	\$ 123,585	5-10
HEPC Trail Glen Dhu Dr to William Stephenson Dr	William Stephenson Dr	Glen Dhu Dr	Off Road Trail	0.4	\$ 123,293	10+
HEPC Crawforth to Dundas	Dundas St E	Crawforth St	Off Road Trail	0.4	\$ 93,150	0-3
Palmerston Open Space (Palmerston Pk to Cochrane St)	Existing off-road trail	Cochrane St	Off Road Trail	0.4	\$ 68,425	5-10
Deverell Park to Thickson Rd	Thickson Rd N	Existing pathway in Deverell Park	Off Road Trail	0.3	\$ 123,395	0-3
Proposed Off-Road Trail	Cochrane St	322 metres west of Cochrane St	Off Road Trail	0.3	\$ 112,733	5-10
Proposed Off-Road Trail	Baldwin St S	Ashburn Rd	Off Road Trail	0.3	\$ 108,985	0-3
Off Road Trail in Hopkins St open space	Longwood Open Space Trail	Hopkins St	Off Road Trail	0.3	\$ 105,974	5-10
HEPC Trail (Longwood Park to Thickson Rd)	Burns St E	Off-Road Trail	Off Road Trail	0.3	\$ 147,775	0-3
Pringle Creek OS (Wynfield Pk to Garden St)	Crawforth St	Garden St	Off Road Trail	0.5	\$ 155,250	0-3
Hannam Trail (Solmar Ave to Brooklin)	Samandria Ave	Brooklin	Off Road Trail	2.4	\$ 640,550	5-10
Off Road Trail near D'Hillier Park	Fairview Dr	253 metres west	Off Road Trail	0.3	\$ 88,797	3-5
Walkway in Lupin Park	Lupin Park walkway	Hopkins St	Off Road Trail	0.2	\$ 82,933	5-10
Off Road Trail	Anderson St	Anderson St	Off Road Trail	0.2	\$ 81,340	5-10
Off-Road Trail (Williamsburg Open Space)	Tidewater Cres	Proposed Off-Road Trail	Off Road Trail	0.2	\$ 80,464	10+
Proposed Off-Road Trail (Pipeline Open Space)	Bayberry Ct	Columbus Rd E	Off Road Trail	0.2	\$ 24,725	5-10
HEPC Trail (Heber Down to Spencers Rd)	Existing off-road trail	Lyndebrook Rd	Off Road Trail	0.2	\$ 287,500	5-10
Proposed Off-Road Trail	Champlain Court Terminus	Consumers Dr	Off Road Trail	0.2	\$ 62,280	5-10

Route Description	From	To	Facility Type	Length (km)	Estimated Cost	Construction Horizon (ATP)
Proposed Off-Road Trail (South of CPR)	Existing off-road trail	Existing Off-Road Trail	Off Road Trail	0.2	\$ 61,884	10+
Off Road Trail	Thickson Rd N	Proposed road west of Thickson Rd	Off Road Trail	0.2	\$ 61,545	5-10
Pringle Creek OS (Wynfield Pk to Garden St)	Ash Creek Channel Open Space	Mary St E	Off Road Trail	0.2	\$ 55,873	0-3
Off Road Trail in open space south of Evergreen Dr	Evergreen Dr	Existing off road trail	Off Road Trail	0.1	\$ 42,601	10+
Trail in Cullen Central Park	Existing off-road trail	Park pathway in Cullen Central Park	Off Road Trail	0.2	\$ 53,036	5-10
Proposed Off-Road Trail	SE of Coronation Rd & Taunton Rd	112 metres north to proposed trail	Off Road Trail	0.1	\$ 39,297	3-5
Proposed Off-Road Trail (parallel to CPR)	Existing off-road trail	Brock St N	Off Road Trail	0.2	\$ 52,925	5-10
Off Road Trail	Winchester Rd E	Off-Road Trail	Off Road Trail	0.1	\$ 34,377	5-10
Athol St	Clemence Ave	Consumers Dr	Off Road Trail	0.1	\$ 26,763	5-10
Proposed Off-Road Trail	Existing off-road trail	Golders Green Ct	Off Road Trail	0.1	\$ 25,213	5-10
Gas Pipeline Trail	Columbus Rd W	Lake Ridge Rd N	Off Road Trail	4.7	\$ 1,650,865	10+
Proposed Off-Road Trail	Dryden Blvd Extension	Proposed Walkway	Off Road Trail	0.1	\$ 52,481	10+
Walkway	Existing walkway in Kirby Park	Existing walkway in Kirby Park	Off Road Trail	0.1	\$ 51,854	5-10
Off Road Trail	Cochrane St	Briargreen Cres	Off Road Trail	0.1	\$ 22,576	3-5
Proposed Off-Road Trail	Existing off-road trail	Proposed Off-Road Trail	Off Road Trail	0.1	\$ 20,777	5-10
Proposed Off-Road Trail	Proposed Off-Road Trail	Mary St E	Off Road Trail	0.0	\$ 13,627	3-5
Unnamed trail in Birches Open Space	Thickson Road	Garrard Rd	Off Road Trail	0.9	\$ 204,125	5-10
Unnamed trail in Fallingbrook Open Space	Dryden Blvd	Rossland Rd	Off Road Trail	1.2	\$ 243,340	5-10
Lynde Creek Trail	Monarch Trail (Bonacord Ave)	Dundas St.	Off Road Trail	1.3	\$ 219,535	0-3
Lynde Creek Trail	Bonacord Ave	Rossland Rd.	Off Road Trail	1.0	\$ 276,000	0-3
Unnamed trail	Lynde Creek	Brawley Rd	Off Road Trail	1.8	\$ 260,000	5-10
Brooklin SP Boundary	West of Duffs Rd	Lynde Creek	Off Road Trail	1.1	\$ 189,060	5-10
Lynde Creek	Columbus Rd.	Cochrane St.	Off Road Trail	0.9	\$ 154,560	5-10
Unnamed trail	East of Ashburn Rd	Cedarbrook Trail	Off Road Trail	1.2	\$ 237,705	5-10
Unnamed trail	Thickson Road	Lynde Creek	Off Road Trail	0.6	\$ 86,100	5-10
Unnamed trail	Cedarbrook Trail	West of Baldwin Street	Off Road Trail	2.1	\$ 324,900	5-10
Unnamed trail	Brawley Rd	Columbus Rd/Lynde Creek	Off Road Trail	2.1	\$ 366,735	5-10
Unnamed trail	E of Thickson Rd	North of Columbus Rd	Off Road Trail	1.2	\$ 79,100	5-10
Unnamed trail	Rossland Rd	Morningstar Ave	Off Road Trail	1.5	\$ 399,050	0-3
Unnamed trail	Thickson Rd/Brawley Rd	Columbus Rd	Off Road Trail	2.4	\$ 392,265	5-10
Unnamed trail	Winchester Rd	Conlin Rd	Off Road Trail	2.2	\$ 440,105	5-10
Unnamed trail	Garrard Rd	Pringle Creek	Off Road Trail	2.5	\$ 366,500	5-10
Brooklin Lions Trail	Storm Pond	St Thomas St	Off Road Trail	0.3	\$ 388,700	0-3
Unnamed trail	South of Winchester Rd	Ashburn Rd	Off Road Trail	3.1	\$ 749,915	5-10
Unnamed trail	Brooklin SP Boundary	Lynde Creek	Off Road Trail	3.0	\$ 368,115	5-10
Ash Creek Channel Trail	Bradley Park	Brock St	Off Road Trail	0.2	\$ 44,850	0-3

10 Year Priority Project

Appendix B

Table B2 – 10 Year Priority Projects (Refer to Map A4 and A5)

Need and Justification	Project Location and Scope	Cost
<p>Facility Gaps</p> <ul style="list-style-type: none"> ✓ Smaller gaps missing from the urban mobility network ✓ Connecting existing facilities where there is a missing linkage ✓ Generally under 1 kilometer 	<p>1. Henry Street paved shoulder and multi-use path between:</p> <ul style="list-style-type: none"> • Iroquois Park Sport Centre/Whitby GO Station Driveway and Highway 401 bridge 	<p>\$125,000</p>
	<p>2. Hydro-Electric Power Commission (HEPC) Trail between:</p> <ul style="list-style-type: none"> • Manning Road and Optimist Park • Crawforth Street and Dundas Street • Burns Street and southern trail terminus 	
	<p>3. Anderson Street paved shoulder between:</p> <ul style="list-style-type: none"> • Winchester Road and Clair Avenue • Taunton Road and Solmar Avenue 	<p>\$595,000</p>
	<p>4. Garden Street multi-use path between:</p> <ul style="list-style-type: none"> • Mary Street and south of Dundas Street 	<p>\$80,000</p>
	<p>5. Kendalwood Road paved shoulder between:</p> <ul style="list-style-type: none"> • Dundas Street and Nichol Avenue 	<p>\$10,000</p>
	<p>6. Cochrane Street paved shoulder between:</p> <ul style="list-style-type: none"> • Dundas Street and Bonacord Avenue 	<p>\$25,000</p>
	<p>7. Taunton Road Multi-use path between:</p> <ul style="list-style-type: none"> • Lake Ridge Road and Des Newman Boulevard • Baycliffe Drive and Coronation Street 	<p>\$500,000</p>
<p>Network Gaps</p> <ul style="list-style-type: none"> ✓ Larger linkages missing from the urban mobility network ✓ Network connections to expand function of the existing network ✓ Generally over a kilometer long 	<p>8. Halls Road sharrows and signage between:</p> <ul style="list-style-type: none"> • Victoria Street and Waterfront Trail. 	<p>\$5,400</p>
	<p>9. Annes Street urban paved shoulder and sidewalk between:</p> <ul style="list-style-type: none"> • Dundas Street and south terminus of Annes Street 	<p>\$20,000</p>
	<p>10. Garden Street multi-use path between:</p> <ul style="list-style-type: none"> • Dryden Boulevard and Taunton Road 	<p>\$525,000</p>
	<p>11. Consumers Drive multi-use path between:</p> <ul style="list-style-type: none"> • Thickson Road and Hopkins Street • Hopkins Street and Garden Street • Garden Street and Brock Street 	<p>\$950,000</p>
	<p>12. Carnwith Drive on-road cycling between:</p> <ul style="list-style-type: none"> • Downey Drive and Baldwin Street • Baldwin Street and Ashburn Road 	<p>\$40,000</p>
	<p>13. Rossland Road multi-use path between:</p> <ul style="list-style-type: none"> • CP Rail Bridge and Cochrane Street • Cochrane Street and Brock Street 	<p>\$710,000</p>
	<p>14. Dundas Street multi-use path between:</p> <ul style="list-style-type: none"> • Des Newman Boulevard and Jeffrey Street • Jeffrey Street and Henry Street 	<p>\$770,000</p>
<p>Network Growth</p>	<p>15. Rossland Road multi-use path between:</p>	<p>\$1,085,000</p>

Need and Justification	Project Location and Scope	Cost
<ul style="list-style-type: none"> ✓ Strategic expansion of the urban mobility network ✓ Connect the existing network to unconnected neighbourhoods, business areas, and destinations ✓ Expand function of the existing network ✓ Lengths may vary 	<ul style="list-style-type: none"> • Garden Street and Oshawa border 16. Thickson Road multi-use path between: <ul style="list-style-type: none"> • Burns Street and Wentworth Street 17. Lynde Creek Trail between: <ul style="list-style-type: none"> • Burns Road terminus and Michael Boulevard. 18. Mid-Block Arterial Road: <ul style="list-style-type: none"> • Pedestrian and cycling realm to be designed in keeping with EA Recommendations. 	<p style="text-align: right;">\$850,000</p> <p style="text-align: right;">\$310,000</p> <p style="text-align: right;">\$1,875,000</p>
<p>Facility Renewal</p> <ul style="list-style-type: none"> ✓ Improvements to existing facilities ✓ Asset management and lifecycle renewal projects ✓ Expand function of the existing network. ✓ Lengths may vary 	<ul style="list-style-type: none"> 19. Mary Street paved shoulders: <ul style="list-style-type: none"> • Paved shoulder to bike lane conversion • Gap rectification at Brock Street • Connection to adjacent networks on Giffard Street and Crawford Street 20. Dryden Boulevard bike route: <ul style="list-style-type: none"> • Paved shoulder to bike lane conversion • Multi-use path connection at HEPC 21. Waterfront Trail renewal: <ul style="list-style-type: none"> • Widen trail in busiest sections. 22. Provide wayfinding assistance 	<p style="text-align: right;">\$30,000</p> <p style="text-align: right;">\$500,000</p>
<p>Complete Street Initiatives</p> <ul style="list-style-type: none"> ✓ Improvements to existing or proposed streetscapes ✓ Conversion of autocentric corridors to urban mobility nodes ✓ Expand function of the existing network. ✓ Enhanced interaction and public movement function 	<ul style="list-style-type: none"> 23. Brock Street between Mary Street and Burns Street: <ul style="list-style-type: none"> • Redesign right of way to provide pedestrian realm enhancements. • Enhance overall user experience and public realm on Brock Street. • Direct access to downtown businesses and transit service. • A part of the Downtown Whitby Pedestrian Action Plan found in Appendix E 24. Dundas Street between Henry Street and Hickory Street: <ul style="list-style-type: none"> • Consideration of bus rapid transit, and high order cycling and walkability. • Include improved pedestrian crossing opportunities. 25. A part of the Downtown Whitby Pedestrian Action Plan found in Appendix E 	

Appendix B

Table B3 – Active Transportation Facility Estimated Unit Construction Costs

Facility type	Unit price	Assumption
Sidewalk	From \$300,000 per linear kilometre	Price for 1.5 – 1.8 metre concrete sidewalk. Include site prep., select utility relocation, minor drainage modifications / traffic control.
Signed Bike Route	From \$3,000 per linear kilometre	Price for both sides of the road, assumes one sign a minimum of every 330 metres / direction of travel (6 signs / kilometre).
Paved Shoulder (Rural)	From \$150,000 per linear kilometre	Price for both sides of the road, 1.5 – 1.8 metre paved shoulder. Assumes cycling project pays for additional granular base, asphalt and thermoplastic edge line. Price may vary from \$100,000 to \$200,000 depending on work needed.
Conventional Bike Lane	From \$20,950 per linear kilometre	Price for both sides of the road, includes signs, stencils and edge line. Price is for thermoplastic markings, (assumes painted lane line at \$5.5 per metres + \$250 / symbol x 26 + \$3,000 for bike lane signs + \$75/sign for no parking)
Buffered Bike Lane/Cycle Track	From \$37,450 per linear kilometre	1.5 – 1.8 metre bike lanes with 1 metre hatched buffer (5 metres) including: 4000 metres line paint, 1000 metres hatching paint, 26 symbols and 6 signs. (assumes painted lane line at \$5.5 / metre + \$250 / symbol x 26 + \$3,000 for bike lane signs + \$75/sign for no parking). Costing is for thermoplastic markings.
In-Boulevard Multi-Use Path	From \$500,000 to per linear kilometre	3.0 metre 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 (such as crushing of existing sidewalk and compacting for trail base).
Off-road Multi-Use Trail	From \$250,000 to per linear kilometre	3.0 metre wide hard surface pathway (asphalt) within park setting (normal conditions) 90mm asphalt depth. Price depends of scale / complexity of project.

Notes:

- Intended to be used for functional design purposes as they only include the installation of facilities and do not include contingency, design and approvals costs;
- Do not include the cost of property acquisitions, signal modifications, utility relocations, major roadside draining works, or costs associated with site-specific projects such as bridges, railway crossings, retaining walls, and stairways, unless otherwise noted
- Assume typical environmental conditions, soils, and topography, and
- Do not include applicable taxes and permit fees – which are considered additional

Table B4 – Active Transportation Facility Estimated Unit Maintenance Costs

Item	Unit Price	Assumptions
Painted Line Markings	\$2.5 per metre	Unit price is for a single 100 mm wide painted line marking. Assume \$5 / metre for both sides of the road.
Cold Plastic Line Markings	\$5 per metre	Cold plastic is a two-component material that when mixed, hardens and bonds well to the road surface. It provides superior durability and functionality, compared to typical road paint. Unit price is for a single 100-millimetre-wide cold plastic line marking. Assume \$10 / metre for both sides of the road. Typically plastic line markings are replaced every 5 years (or 20% wear annually): ✓ \$5 per metre x 20% = \$1 per metre
Painted Stencils	\$50 each	Assumes stencils are placed every 75 metres. Therefore 26 stencils / kilometre on both sides of the road (13 on each side of the road). Typically 30% of painted stencils need to be replaced on an annual basis. This equates to \$400 per year: ✓ \$50 x 26 = \$1,300 ✓ \$1,300 x 30% = \$400
Cold Plastic Stencils	\$275 each	Assumes stencils are placed every 75 metres. Therefore 26 in 1 kilometre on both sides of the road (13 on each side of the road). Typically 20% of painted stencils may need to be replaced on an annual basis. This equates to \$2,200 per year: ✓ \$275 x 26 = \$7,150 ✓ \$7,150 x 20% = \$1,430
Route Signs	\$200 each	Assumes 26 signs per kilometre (13 on both sides of the road / route). Typically 5% of all signs need to be replaced annually. This equates to \$260 annually: ✓ \$200 x 26 = \$5,200 ✓ \$5,200 x 5% = \$260
Sweeping Costs	\$2,400 to \$4,000 per km	Assumes sweeping frequency of 6 times a year per roadway kilometre (uni-directional, one side of the road).

Appendix B

Table B5 – Estimated Maintenance and Replacement Life Cycle Costs

Facility Type	Total length (Existing and 10+ Year Ultimate)	Per Kilometer Cost	Cost per Year at Completion
Bike Lane	66	\$6,650 - \$7,280	\$438,900-\$480,480
In-Boulevard Multi-Use Path	139	\$4,235 - \$4,860	\$588,665-\$675,540
Buffer Bike Lane/Cycle Track	10	\$8,050-\$9,650	\$80,050-\$90,650
Off-Road Trail	131	\$1,060	\$138,860
Paved Shoulder	42	\$6,260 - \$7,660	\$262,920-\$321,720
Signed Route	80	\$260	\$20,800
Sidewalks	702	\$2,550	\$1,790,100
Total	1150	---	\$3,320,295-\$3,518,150

Note:

- The above is based on a review of various municipalities is for high level planning only. Specific costs for maintenance based on the current/planned level of service by the Town of Whitby will be required to be confirmed and updated as appropriate.
- The above does not include administrative costs associated with the oversight and management of the various maintenance programs.
- The above does not include equipment costs associated with the maintenance.