

K

Appendix K Cost Estimates



124 Street / Wihkwêntôwin Area**109 Street / 100 Avenue**

	Qty	Unit Cost	Total Cost
Reconstruct Curb Ramps	4	\$ 5,000	\$ 20,000
TWSIs	4	\$ 800	\$ 3,200
Add No RTOR Signage	4	\$ 500	\$ 2,000
Design	15%		\$ 3,780
Contingency	50%		\$ 14,490
Total (Rounded)			\$ 45,000

109 Street / Jasper Avenue

Add No RTOR Signage	4	\$ 500	\$ 2,000
Design	15%		\$ 300
Contingency	50%		\$ 1,150
Total (Rounded)			\$ 5,000

109 Street / 104 Avenue

Add No RTOR Signage	4	\$ 500	\$ 2,000
Design	15%		\$ 300
Contingency	50%		\$ 1,150
Total (Rounded)			\$ 5,000

124 Street / 102 Avenue

Add No RTOR Signage	1	\$ 500	\$ 500
Design	15%		\$ 75
Contingency	50%		\$ 288
Total (Rounded)			\$ 1,000

Reconstruction / reconfiguration of 102 Avenue East of 124 Street is assumed to be included as part of the neighbourhood renewal and has not been estimated.

124 Street / Stony Plain Road

Add No RTOR Signage	4	\$ 500	\$ 2,000
Design	15%		\$ 300
Contingency	50%		\$ 1,150
Total (Rounded)			\$ 5,000

124 Street / 107 Avenue

Add No RTOR Signage	4	\$ 500	\$ 2,000
Design	15%		\$ 300
Contingency	50%		\$ 1,150
Total (Rounded)			\$ 5,000

124 Street / Wihkwêntôwin Area

124 Street / 111 Avenue

Add No RTOR Signage	4	\$	500	\$	2,000
Design	15%			\$	300
Contingency	50%			\$	1,150
Total (Rounded)				\$	5,000

124 Street / 118 Avenue

No changes recommended					
Design	15%			\$	-
Contingency	50%			\$	-
Total (Rounded)				\$	-

121 Street / Stony Plain Road

Add No LT On Red Signage	1	\$	500	\$	500
Add No RTOR Signage	4	\$	500	\$	2,000
Design	15%			\$	375
Contingency	50%			\$	1,438
Total (Rounded)				\$	5,000

Reconstruction / reconfiguration of 121 Street painted bike lanes is assumed to be included as part of the neighbourhood renewal and has not been estimated.

121 Street / Jasper Avenue

Add No RTOR Signage	4	\$	500	\$	2,000
Design	15%			\$	300
Contingency	50%			\$	1,150
Total (Rounded)				\$	5,000

116 Street / Stony Plain Road

Add No LT On Red Signage	2	\$	500	\$	1,000
Add No RTOR Signage	4	\$	500	\$	2,000
Design	15%			\$	450
Contingency	50%			\$	1,725
Total (Rounded)				\$	6,000

116 Street / Jasper Avenue

Add No RTOR Signage	4	\$	500	\$	2,000
Design	15%			\$	300
Contingency	50%			\$	1,150
Total (Rounded)				\$	5,000

124 Street / Wihkwêntôwin Area

116 Street / 100 Avenue

	Qty	Unit Cost	Total Cost
Reconstruct Curb Ramps	4	\$ 5,000	\$ 20,000
TWSIs	4	\$ 800	\$ 3,200
Add No RTOR Signage	4	\$ 500	\$ 2,000
Design	15%		\$ 3,780
Contingency	50%		\$ 14,490
Total (Rounded)			\$ 45,000

112 Street / Stony Plain Road

Add No LT On Red Signage	2	\$ 500	\$ 1,000
Add No RTOR Signage	4	\$ 500	\$ 2,000
Design	15%		\$ 450
Contingency	50%		\$ 1,725
Total (Rounded)			\$ 6,000

Missing Pedestrian Links

	Qty	Unit Cost	Total Cost
119 Street S 104 Ave	85	**	\$ -
118 Street S 104 Ave	155	**	\$ -
109 Avenue E 124 St	55	\$ 300	\$ 16,500
110 Avenue E 124 St	55	\$ 300	\$ 16,500
Design	15%		\$ 4,950
Contingency	50%		\$ 18,975
Total (Rounded)			\$ 60,000

Construction of the missing sidewalk links along 118 Street and 119 Street is assumed to be included as part of the neighbourhood renewal and has not been estimated.

Missing Cycling Links

	Qty	Unit Cost	Total Cost
123 Street LRT Connection - Shared Street Facility	710	\$ 400	\$ 284,000
Victoria Promenade Bike Lane Upgrades	660	**	\$ -
121 Street Bike Lane Upgrades	1000	**	\$ -
100 Avenue Bike Lane - Protected Separate Facility	870	**	\$ -
Ped Signal Bike Actuation Retrofit - 124 St / 106 Ave	1	\$ 100,000	\$ 100,000
Ped Signal Bike Actuation Retrofit - 124 St / 109A Ave	1	\$ 100,000	\$ 100,000
Design	15%		\$ 72,600
Contingency	50%		\$ 278,300
Total (Rounded)			\$ 840,000

Reconstruction / reconfiguration of 121 Street painted bike lanes and Victoria Promenade bike lanes is assumed to be included as part of the neighbourhood renewal and has not been estimated.

156 Street / Stony Plain Road**Stony Plain Road / 102 Avenue**

	Qty	Unit Cost	Total Cost
Cycling Wayfinding	4	\$ 500	\$ 2,000
Design	15%		\$ 300
Contingency	50%		\$ 1,150
Total (Rounded)			\$ 5,000

Stony Plain Road / 142 Street

Add No RTOR Signage	3	\$ 500	\$ 1,500
Add SB Bus Queue Jump Signal	1	\$ 35,000	\$ 35,000
Channelized Crossing RRFB	1	\$ 50,000	\$ 50,000
Design	15%		\$ 12,975
Contingency	50%		\$ 49,738
Total (Rounded)			\$ 150,000

Stony Plain Road / 149 Street

Remove Right Turn Channelization	3	\$ 400,000	\$ 1,200,000
Design	15%		\$ 180,000
Contingency	50%		\$ 690,000
Total (Rounded)			\$ 3,000,000

Stony Plain Road / 156 Street

Add No LT On Red Signage	1	\$ 500	\$ 500
Add No RTOR Signage	4	\$ 500	\$ 2,000
Design	15%		\$ 375
Contingency	50%		\$ 1,438
Total (Rounded)			\$ 5,000

Stony Plain Road / 158 Street

Add Curb Ramps on West Side	1	\$ 5,000	\$ 5,000
Add Ped Signal Heads + Button on West Side	1	\$ 100,000	\$ 100,000
Design	15%		\$ 15,750
Contingency	50%		\$ 60,375
Total (Rounded)			\$ 185,000

156 Street / Stony Plain Road

Stony Plain Road 163 Street

Rebuild Curb Ramps & Curb Radii	4	\$	19,200	\$	76,800
TWSIs	4	\$	800	\$	3,200
Add No LT On Red Signage	4	\$	500	\$	2,000
Add No RTOR Signage	3	\$	500	\$	1,500
Design	15%			\$	12,525
Contingency	50%			\$	48,013
Total (Rounded)				\$	145,000

156 Street / 95 Avenue

Add No RTOR Signage	4	\$	500	\$	2,000
Design	15%			\$	300
Contingency	50%			\$	1,150
Total (Rounded)				\$	5,000

Meadowlark Road / 87 Avenue

Add No RTOR Signage	4	\$	500	\$	2,000
Design	15%			\$	300
Contingency	50%			\$	1,150
Total (Rounded)				\$	5,000

Implementation of EB and WB bus priority measures, including lane reassignment, assumed to be part of future B2 BRT corridor improvements and have not been estimated

156 Street / Stony Plain Road

Missing Pedestrian Links

	Qty	Unit Cost	Total Cost
103 Avenue (137 St - 140 St)	350	\$ 300	\$ 105,000
103 Avenue (142 St - 144 St)	180	\$ 300	\$ 54,000
143 Street (SPR - 103 Ave)	110	\$ 300	\$ 33,000
144 Street S of SPR	75	\$ 300	\$ 22,500
102 Avenue (149 St to 163 St)	1600	\$ 300	\$ 480,000
158 Street N. 100 Avenue	100	\$ 300	\$ 30,000
160 Street N. 100 Avenue	100	\$ 300	\$ 30,000
99 Avenue E 156 Street	100	\$ 300	\$ 30,000
99 Avenue W 156 Street	100	\$ 300	\$ 30,000
98 Avenue W 156 Street	100	\$ 300	\$ 30,000
97 Avenue E 156 Street	100	\$ 300	\$ 30,000
97 Avenue W 156 Street	100	\$ 300	\$ 30,000
96 Avenue E 156 Street	100	\$ 300	\$ 30,000
93a Avenue E 156 Street	100	\$ 300	\$ 30,000
93a Avenue W 156 Street	100	\$ 300	\$ 30,000
92a Avenue E 156 Street	100	\$ 300	\$ 30,000
91 Avenue (154 St - 156 St)	210	\$ 300	\$ 63,000
90 Ave E Meadowlark Rd	100	\$ 300	\$ 30,000
156 Street S. Meadowlark Rd	120	\$ 300	\$ 36,000
Design	15%		\$ 175,000
Contingency	50%		\$ 704,000.00
Total (Rounded)			\$ 2,100,000

Missing Cycling Links

	Qty	Unit Cost	Total Cost
158 Street Shared Street Facility	2000	\$ 400	\$ 800,000
158 Street Bike Signals	3	\$ 100,000	\$ 300,000
Design	15%		\$ 165,000
Contingency	50%		\$ 632,500
Total (Rounded)			\$ 1,900,000

Garneau

82 Avenue / 114 Street

Add Ped Crossing West of LRT Tracks	2	\$	5,000	\$	10,000
TWSIs	2	\$	800	\$	1,600
Add Pedestrian Signal Heads for Crossing	2	\$	15,000	\$	30,000
Add No LT On Red Signage	2	\$	500	\$	1,000
Reconfigure NB to EB RT to Simple Radius	1	\$	400,000	\$	400,000
Widen South Side Curb Ramps	2	\$	5,000	\$	10,000
TWSIs	2	\$	800	\$	1,600
Design	15%			\$	68,130
Contingency	50%			\$	261,165
Total (Rounded)				\$	335,000

82 Avenue / 114 Street

Add Curb Ramp in NW Corner	1	\$	500	\$	500
Revise Curb Approaches in SE and NE Corners	2	\$	400,000	\$	800,000
Shared Pathway 82 to 83 Ave	120	\$	1,000	\$	120,000
Add No RTOR Signage	4	\$	500	\$	2,000
Design	15%			\$	138,375
Contingency	50%			\$	530,438
Total (Rounded)				\$	675,000

82 Avenue / 109 Street

Add No LT On Red Signage	4	\$	500	\$	2,000
Design	15%			\$	300
Contingency	50%			\$	1,150
Total (Rounded)				\$	5,000

109 Street / 83 Avenue

No Changes Recommended				\$	-
Design	15%			\$	-
Contingency	50%			\$	-
Total (Rounded)				\$	-

Garneau

109 Street / 86 Avenue

Convert to RI/RO Operations - Extend Median	30	\$	900	\$	27,000
Curb Ramps	4	\$	5,000	\$	20,000
TWSI	4	\$	800	\$	3,200
Continuous Corssing on East Leg	1	\$	65,000	\$	65,000
RRFB (with Median Light)	1	\$	75,000	\$	75,000
<hr/>					
Design	15%			\$	28,530
Contingency	50%			\$	109,365
<hr/>					
Total (Rounded)				\$	330,000

109 Street / 87 Avenue

Add North Crossing Curb Ramps	2	\$	5,000	\$	10,000
TWSIs	2	\$	800	\$	1,600
Convert to Scramble (Additional Ped Heads)	6	\$	5,000	\$	30,000
Add No RTOR Signage	3	\$	500	\$	1,500
<hr/>					
Design	15%			\$	6,465
Contingency	50%			\$	24,783
<hr/>					
Total (Rounded)				\$	80,000

109 Street / Saskatchewan Drive / 88 Avenue / Walterdale Hill Road

Reconstruct Islands & Curb Ramps	10	\$	20,000	\$	200,000
Wayfinding Signage	4	\$	500	\$	2,000
<hr/>					
Design	15%			\$	30,300
Contingency	50%			\$	116,150
<hr/>					
Total (Rounded)				\$	350,000

87 Avenue / 110 Street

No Changes Recommended				\$	-
<hr/>					
Design	15%			\$	-
Contingency	50%			\$	-
<hr/>					
Total (Rounded)				\$	-

Garneau

87 Avenue / 114 Street

Rebuild Curb Ramps	4	\$	5,000	\$	20,000
TWSIs	4	\$	800	\$	3,200
Add Audible Signals and Call Buttons	4	\$	2,500	\$	10,000
Add No LT On Red Signage	4	\$	500	\$	2,000
Add No RTOR Signage	4	\$	500	\$	2,000
Design	15%			\$	5,580
Contingency	50%			\$	21,390
Total (Rounded)				\$	65,000

Missing Pedestrian Links	Qty	Unit Cost	Total Cost
None identified.			
Design	15%		\$ -
Contingency	50%		\$ -
Total (Rounded)			\$ -

Missing Cycling Links	Qty	Unit Cost	Total Cost
None identified.			
Design	15%		\$ -
Contingency	50%		\$ -
Total (Rounded)			\$ -