



Walkley Rd.



Russell Rd.

Walkley Rail Corridor

LEGEND:



EXISTING TRAFFIC SIGNALS



AREA OF PROPOSED ROADWAY MODIFICATION



EXISTING BRIDGE



PROPOSED DEVELOPMENT

KEY PLAN

RUSSELL ROAD BETWEEN WALKLEY ROAD AND RUSSELL ROAD/ HAWTHORNE ROAD

Transportation Engineering Services Branch

Approved By: N. PAUDEL

Drawing No.:

Completed By: PARSONS

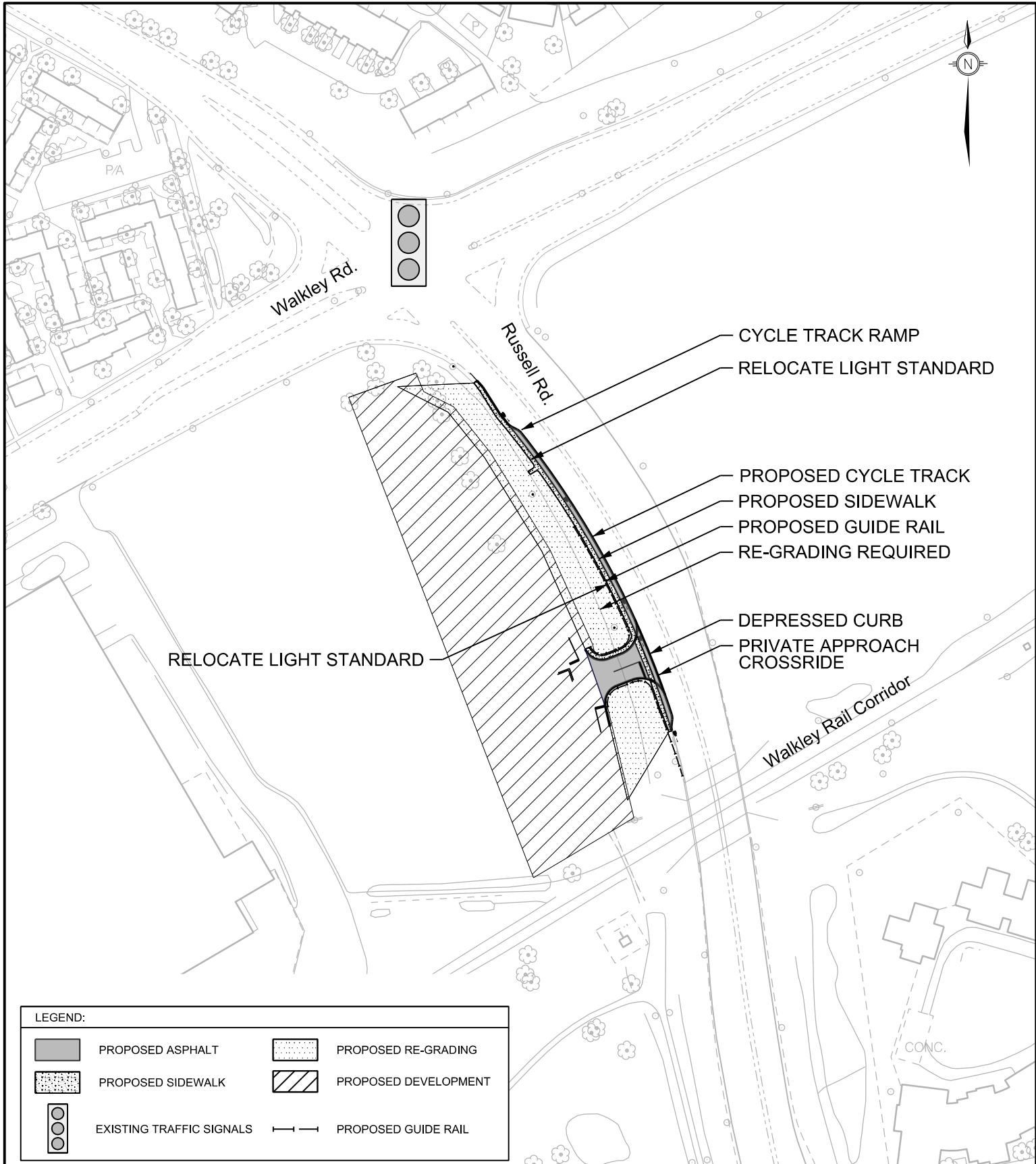
RMA-2018-TPD-###-A







Scale: N.T.S.

Date: MAR 2018



TRANSPORTATION SERVICES DEPARTMENT



LEGEND:			
	PROPOSED ASPHALT		PROPOSED RE-GRADING
	PROPOSED SIDEWALK		PROPOSED DEVELOPMENT
	EXISTING TRAFFIC SIGNALS		PROPOSED GUIDE RAIL



TRANSPORTATION SERVICES DEPARTMENT

PROPOSED ROADWAY MODIFICATIONS

RUSSELL ROAD BETWEEN WALKLEY ROAD AND RUSSELL ROAD/ HAWTHORNE ROAD

Transportation Engineering Services Branch	
Approved By: N. PAUDEL	Drawing No.:
Completed By: PARSONS	RMA-2018-TPD-###-B
Scale: N.T.S.	

Subject: **2510 Walkley Road**

Functional Plan Cost Estimate - Southbound Cycle Track and Sidewalk

By: MM

Date: 3/5/2018

Checked:

Date:

Item No.	Item	Description	Unit	Estimated Quantity	Unit Price	Amount	
A-001	Traffic Control Plan	Assume 3 weeks	LS	1.0	\$ 9,000.00	\$ 9,000.00	
A-002	Police Assistance at Intersection		hr	60.0	\$ 208.54	\$ 12,512.40	
A-003	Construction Site Pedestrian Control Plan		LS	1.0	\$ 2,250.00	\$ 2,250.00	
A-004	Erosion and sediment control plan and monitoring		LS	1.0	\$ 1,500.00	\$ 1,500.00	
Section A Total						\$ 25,262.40	6.7%
Section B - Storm Sewers							
B-001	150mm Perforated pipe subdrain		m	120.0	\$ 40.00	\$ 4,800.00	
B-002	Culvert		m	20.0	\$ 500.00	\$ 10,000.00	
B-003	Catch basins (including lead pipe)	Assume CB every 30m	ea	4.0	\$ 5,000.00	\$ 20,000.00	
Section B Total						\$ 34,800.00	9.2%
Section C - Roadway							
C-001	Saw-cutting of asphalt		m	120.0	\$ 10.00	\$ 1,200.00	
C-002	Guiderail Removal		m	130.0	\$ 15.00	\$ 1,950.00	
C-003	Removal of asphalt pavement by dry grinding		m2	131.0	\$ 42.00	\$ 5,502.00	
C-004	Remove Asphalt Pavement - Full Depth (Stripping)		m2	63.0	\$ 22.00	\$ 1,386.00	
C-005	Earth excavation - grading		m3	293.0	\$ 25.00	\$ 7,325.00	
C-006	Select subgrade material		t	6,080.0	\$ 15.00	\$ 91,200.00	
C-007	Granular 'A'	swlk-150mm depth, Road - 150mm depth	t	245.0	\$ 35.00	\$ 8,575.00	
C-008	Granular 'B' Type II	550mm depth	t	417.0	\$ 30.00	\$ 12,510.00	
C-009	Concrete sidewalks, boulevards and islands		m2	278.0	\$ 75.00	\$ 20,850.00	
C-010	Asphalt Cycle Track		m2	234.0	\$ 58.00	\$ 13,572.00	
C-011	Concrete barrier curb as per SC1.1		m	180.0	\$ 90.00	\$ 16,200.00	
C-012	Guiderail		m	150.0	\$ 120.00	\$ 18,000.00	
C-013	Eccentric loader end treatment		ea	1.0	\$ 5,000.00	\$ 5,000.00	
C-014	Performance Graded Superpave 12.5mm FC1 Level D (PG 64-34)	50mm depth	t	57.0	\$ 225.00	\$ 12,825.00	
C-015	Performance Graded Superpave 19mm Level D (PG 64-34)	100mm depth	t	82.0	\$ 200.00	\$ 16,400.00	
C-016	Topsoil, imported (100 mm thick)		m3	270.0	\$ 60.00	\$ 16,200.00	
C-017	Sodding including watering		m2	2,700.0	\$ 13.00	\$ 35,100.00	
C-018	Signage		LS	1.0	\$ 4,000.00	\$ 4,000.00	
C-019	Ditching		m	175.0	\$ 23.00	\$ 4,025.00	
C-020	Pavement markings		m	120.0	\$ 2.00	\$ 240.00	
Section C Total						\$ 292,060.00	77.5%
Section C - Streetlighting							
D-001	Relocate street light poles	LS assumed per pole in lieu of streetlight design	ea	2.0	\$ 12,000.00	\$ 24,000.00	
Section D Total						\$ 24,000.00	6.4%
Project Costs							
	Subtotal Construction Costs (Sections A-D)	Rounded				\$ 377,000	100.0%
	Engineering, design, project management	15%-25%		25%		\$ 94,250	
	Property costs	REPDO estimate - see Note 2		0%		\$ -	
	Hydro pole relocations			LS		\$ -	
	Utilities	5%-20%		20%		\$ 75,400	
	Miscellaneous soft costs (permits, in-house costs, etc.)	5%-10%		5%		\$ 18,850	
	Project Contingency	Applied to construction & other costs above		30%		\$ 169,650	
Total Project Cost (Rounded)						\$ 736,000	
General Notes:							
1. This Class 'C' cost estimate is provided for information purposes only and should not be considered as a final cost estimate for construction.							
2. Property acquisition costs are assumed to be zero for this project.							
3. Costs are in 2017 dollars and exclude HST							