

# APPENDIX J



**Parkside Drive Improvements Class EA  
Preliminary Quantities and Cost Estimate**

<b>ROAD NAME:</b> Parkside Drive		Imp. Type:			
<b>From:</b> HWY #6		<b>To:</b> Main Street			
Road Length (m): 2900m		ROW Width (m): Varies (20-28m)			
Number of Lanes: 2/3		Lane Width (m): 3.5			
Flush Median Width (m): 0		Raised Median Width (m): 0			
<b>CROSS-SECTION FOR LEFT SIDE:</b>		<b>CROSS-SECTION FOR RIGHT SIDE:</b>			
Cross-Section (Rural/Urban): URBAN		Cross-Section (Rural/Urban): URBAN			
Paved Road Width (m): 7		Paved Road Width (m): 7			
Boulevard Width (m): 2m		Boulevard Width (m): 2m			
Sidewalk Width (m): 2.0		Sidewalk Width (m): 2.0			
Bike Path Width (m): 1.5		Bike Path Width (m): 1.5			
Street Lighting (Y/N): Y		Street Lighting (Y/N): Y			
No.	Item	Unit	Estimated Quantity	Unit Price	Total
<b>1 ROAD ITEMS</b>					
<b>A ROADWORKS &amp; DRAINAGE</b>					
1	Clearing and Grubbing	ha	3	\$ 10,000.00	\$ 29,000.00
2	Remove Ex. Asphalt (Full Depth)	m2	24,650	\$ 7.00	\$ 172,550.00
3	Removal of Pipe Culverts	m		\$ 25.00	\$ -
4	Earth Excavation	m3		\$ 20.00	\$ -
5	Earth Borrow	m3		\$ 10.00	\$ -
6	Granular A (150 mm depth)	tonnes	15,225	\$ 25.00	\$ 380,625.00
7	Granular B (450 mm depth)	tonnes	45,675	\$ 20.00	\$ 913,500.00
8	Surface Course Asphalt (50 mm depth)	tonnes	5,075	\$ 100.00	\$ 507,500.00
9	Base Course Asphalt (100 mm depth)	tonnes	10,150	\$ 95.00	\$ 964,250.00
10	Concrete Curb and Gutter (All types)	m	6,380	\$ 60.00	\$ 382,800.00
11	Concrete Sidewalk	m2	11,600	\$ 65.00	\$ 754,000.00
12	300mm Dia. Rigid Pipe Sewers with Granular backfill	m	812	\$ 275.00	\$ 223,300.00
13	375-600mm Dia. Rigid Pipe Sewers with Granular backfill	m	1,303	\$ 400.00	\$ 521,200.00
14	675-900mm Dia. Rigid Pipe Sewers with Granular backfill	m	635	\$ 500.00	\$ 317,500.00
15	975-1350mm Dia. Rigid Pipe Sewers with Granular backfill	m	-	\$ 550.00	\$ -
16	150 mm Subdrain	m	5,800	\$ 30.00	\$ 174,000.00
17	Catchbasins	ea.	116	\$ 2,200.00	\$ 255,200.00
18	Storm Maintenance Holes/MHCBS	ea.	25	\$ 5,500.00	\$ 137,500.00
18	Precast Concrete Box Culvert	m	30	\$ 2,500.00	\$ 75,000.00
19	Oil/Grit Separator	ea.	1	\$ 75,000.00	\$ 75,000.00
20	Stormwater Outfall Structure (Headwall)	ea.	1	\$ 20,000.00	\$ 20,000.00
	<b>Subtotal Roadworks &amp; Drainage</b>				<b>\$ 5,902,925.00</b>
<b>B LANDSCAPING</b>					
21	Deciduous Trees (30 m spacing)	ea.	193	\$ 550.00	\$ 106,227.00
22	Sod c/w 100 mm Topsoil	m2	17,400	\$ 7.50	\$ 130,500.00
23	Seeding c/w 100 mm Topsoil	m2	5,800	\$ 6.00	\$ 34,800.00
	<b>Subtotal Landscaping/Mitigation</b>				<b>\$ 271,527.00</b>
<b>C ELECTRICAL</b>					
24	Traffic Signalization (per intersection)	ea.	0	\$ 250,000.00	\$ -
25	Modifications to Ex. Traffic Signalization (per intersection)	ea.	2	\$ 125,000.00	\$ 250,000.00
26	Street Lighting (per pole)	ea.	116	\$ 5,500.00	\$ 638,000.00
	<b>Subtotal Electrical</b>				<b>\$ 888,000.00</b>
<b>SUB TOTAL ALL ITEMS</b>					<b>\$ 7,062,452.00</b>
25% Overhead and Contingency					\$ 1,765,613.00
<b>SUBTOTAL</b>					<b>\$ 8,828,065.00</b>
15% Engineering					\$ 1,324,209.75
<b>GRAND TOTAL FOR CONSTRUCTION</b>					<b>\$ 10,152,274.75</b>
<b>D PROPERTY</b>					
27	Agricultural	m2	577	\$ 35.00	\$ 20,195.00
28	Residential	m2	1125	\$ 200.00	\$ 225,000.00
29	Commercial	m2	33	\$ 200.00	\$ 6,600.00
30	Institutional	m2	1045	\$ 200.00	\$ 209,000.00
	<b>Subtotal Property</b>				<b>\$ 460,795.00</b>
<b>TOTAL ESTIMATED PROJECT COST (excl. GST)</b>					<b>\$ 10,613,069.75</b>

**Parkside Drive Improvements Class EA  
Preliminary Quantities and Cost Estimate**

<b>ROAD NAME:</b> Parkside Drive		<b>Imp. Type:</b>			
<b>From:</b> Main Street		<b>To:</b> 500m East of Churchill Avenue			
Road Length (m): 850m		ROW Width (m): Varies (20-28m)			
Number of Lanes: 2/3		Lane Width (m): 3.5			
Flush Median Width (m): 0		Raised Median Width (m): 0			
<b>CROSS-SECTION FOR LEFT SIDE:</b>			<b>CROSS-SECTION FOR RIGHT SIDE:</b>		
Cross-Section (Rural/Urban): URBAN			Cross-Section (Rural/Urban): URBAN		
Paved Road Width (m): 5-7			Paved Road Width (m): 5-7		
Boulevard Width (m): 0m			Boulevard Width (m): 0m		
Sidewalk Width (m): 2.0			Sidewalk Width (m): 2.0		
Bike Path Width (m): 1.5			Bike Path Width (m): 1.5		
Street Lighting (Y/N): Y			Street Lighting (Y/N): Y		
No.	Item	Unit	Estimated Quantity	Unit Price	Total
<b>1 ROAD ITEMS</b>					
<b>A ROADWORKS &amp; DRAINAGE</b>					
1	Clearing and Grubbing	ha	1	\$ 10,000.00	\$ 8,500.00
2	Remove Ex. Asphalt (Full Depth)	m2	5,100	\$ 7.00	\$ 35,700.00
3	Removal of Pipe Culverts	m		\$ 25.00	\$ -
4	Earth Excavation	m3		\$ 20.00	\$ -
5	Earth Borrow	m3		\$ 10.00	\$ -
6	Granular A (150 mm depth)	tonnes	3,506	\$ 25.00	\$ 87,656.25
7	Granular B (450 mm depth)	tonnes	10,519	\$ 20.00	\$ 210,375.00
8	Surface Course Asphalt (50 mm depth)	tonnes	1,169	\$ 100.00	\$ 116,875.00
9	Base Course Asphalt (100 mm depth)	tonnes	2,338	\$ 95.00	\$ 222,062.50
10	Concrete Curb and Gutter (All types)	m	1,870	\$ 60.00	\$ 112,200.00
11	Concrete Sidewalk	m2	3,400	\$ 65.00	\$ 221,000.00
12	300mm Dia. Rigid Pipe Sewers with Granular backfill	m	204	\$ 275.00	\$ 56,100.00
13	375-600mm Dia. Rigid Pipe Sewers with Granular backfill	m	721	\$ 400.00	\$ 288,400.00
14	675-900mm Dia. Rigid Pipe Sewers with Granular backfill	m	-	\$ 500.00	\$ -
15	975-1350mm Dia. Rigid Pipe Sewers with Granular backfill	m	-	\$ 550.00	\$ -
16	150 mm Subdrain	m	1,700	\$ 30.00	\$ 51,000.00
17	Catchbasins	ea.	34	\$ 2,200.00	\$ 74,800.00
18	Storm Maintenance Holes/MHCBS	ea.	18	\$ 5,500.00	\$ 99,000.00
18	Precast Concrete Box Culvert	m	-	\$ 2,500.00	\$ -
19	Oil/Grit Separator	ea.	1	\$ 75,000.00	\$ 75,000.00
20	Stormwater Outfall Structure (Headwall)	ea.	1	\$ 20,000.00	\$ 20,000.00
	<b>Subtotal Roadworks &amp; Drainage</b>				<b>\$ 1,678,668.75</b>
<b>B LANDSCAPING</b>					
21	Deciduous Trees (30 m spacing)	ea.	1	\$ 550.00	\$ 550.00
22	Sod c/w 100 mm Topsoil	m2	3,400	\$ 7.50	\$ 25,500.00
23	Seeding c/w 100 mm Topsoil	m2	1,700	\$ 6.00	\$ 10,200.00
	<b>Subtotal Landscaping/Mitigation</b>				<b>\$ 36,250.00</b>
<b>C ELECTRICAL</b>					
24	Traffic Signalization (per intersection)	ea.	0	\$ 250,000.00	\$ -
25	Modifications to Ex. Traffic Signalization (per intersection)	ea.	1	\$ 125,000.00	\$ 125,000.00
26	Street Lighting (per pole)	ea.	34	\$ 5,500.00	\$ 187,000.00
	<b>Subtotal Electrical</b>				<b>\$ 312,000.00</b>
<b>SUB TOTAL ALL ITEMS</b>					<b>\$ 2,026,918.75</b>
25% Overhead and Contingency					\$ 506,729.69
<b>SUBTOTAL</b>					<b>\$ 2,533,648.44</b>
15% Engineering					\$ 380,047.27
<b>GRAND TOTAL FOR CONSTRUCTION</b>					<b>\$ 2,913,695.70</b>
<b>D PROPERTY</b>					
27	Agricultural	m2	0	\$ 35.00	\$ -
28	Residential	m2	9	\$ 200.00	\$ 1,800.00
29	Commercial	m2	0	\$ 200.00	\$ -
30	Institutional	m2	0	\$ 200.00	\$ -
	<b>Subtotal Property</b>				<b>\$ 1,800.00</b>
<b>TOTAL ESTIMATED PROJECT COST (excl. GST)</b>					<b>\$ 2,915,495.70</b>