

Project KIRBY ROAD (JANE STREET TO DUFFERIN STREET)  
 Subject CLASS EA, OPINION OF PROBABLE COST  
 Task Kirby Road

Sheet 1 of 3

From: Jane Street To: Keele Street

Component/ Category	Item Description	Units	2021 Unit Price	Quantity	Total
Hydro	Supply and Install Hydro Pole	each	\$20,700	94	\$1,945,800
	Contingency (20%)				\$389,160
	<b>Sub Total</b>				<b>\$2,334,960</b>
Removals	Removal of Asphalt Pavement - Full Depth	m2	\$6	22033	\$139,469
	Curb and gutter removal	m	\$19	260	\$5,026
	Removal of Catch Basin	each	\$535	5	\$2,675
	Existing traffic signals	each	\$25,300	14	\$354,200
	Removal of Hydro Poles	each	\$2,100	49	\$102,900
	Removal of Luminaire Poles (LSW)	each	\$3,200	3	\$9,600
	Removal of Sidewalks	m2	\$18	260	\$4,631
	Removal of Maintenance Holes	each	\$464	8	\$3,709
	Removal of Steel Beam Guide Rail	m	\$26	200	\$5,278
	Removal of Fire Hydrant	each	\$2,061	1	\$2,061
	Removal of Water Valves	each	\$896	5	\$4,482
	Removal of Fence	m	\$7	950	\$6,783
	Contingency (20%)				\$128,163
<b>Sub Total</b>				<b>\$768,976</b>	
Road Work	Excavation/Earthworks	m3	\$20	23561	\$471,220
	Granular A	tonne	\$23	14738	\$338,969
	Granular B Type II	tonne	\$20	46152	\$923,040
	Top Course Asphalt HL1	tonne	\$95	4961	\$471,322
	Base Course Asphalt HD/BC	tonne	\$100	13108	\$1,310,848
	Install Curb and Gutter (Roadway)	m	\$70	5100	\$357,000
	Install raised median (concrete island)	m2	\$85	1125	\$95,625
	Install Sidewalk	m2	\$85	8840	\$751,388
	Install Cycle Track	m2	\$45	7884	\$354,801
	Install Storm Sewer	m	\$500	2400	\$1,200,000
	Install Subdrains	m	\$28	5100	\$142,800
	Install Catch Basin	each	\$3,000	63	\$188,000
	Install Manhole	each	\$8,850	21	\$189,068
	Install Catch Basin Leads	m	\$350	454	\$159,017
	Install Steel Beam Guide Rail	m	\$224	200	\$44,892
	Install Fire Hydrant	each	\$9,780	1	\$9,780
	Install Valves	each	\$6,260	5	\$31,301
	Permanent Pavement Marking	m	\$9	6638	\$69,746
	Permanent Pavement Marking - Zebra Markings	m	\$46	215	\$9,903
	Permanent Pavement Marking - Symbols	each	\$153	87	\$13,319
Permanent Pavement Marking - Elephant Feet	each	\$6	390	\$2,145	
Contingency (20%)				\$1,424,837	
<b>Sub Total</b>				<b>\$8,549,019</b>	
Streetlights	Supply and Install Luminaire Poles	each	\$20,700	47	\$972,900
	Contingency (20%)				\$194,580
<b>Sub Total</b>				<b>\$1,167,480</b>	
Traffic Signals	Permanent (intersection)	each	\$310,400	2	\$620,800
	Temporary (intersection)	each	\$129,300	2	\$258,600
	Contingency (20%)				\$175,880
<b>Sub Total</b>				<b>\$1,055,280</b>	
Structures and Culverts	Tributary to Don River West Branch	LS	\$250,000	1	\$644,000
	Contingency (20%)				\$128,800
	Design and CA (15%)				\$96,600
<b>Sub Total</b>				<b>\$869,400</b>	
Landscape	Landscape (4% of road work cost)	LS	\$290,000	1	\$290,000
	Contingency (20%)				\$58,000
<b>Sub Total</b>				<b>\$348,000</b>	
Traffic control	Traffic Control and Staging Plan (10% of construction cost)	LS	\$1,250,000	1	\$1,250,000
Engineering	Design and Contract Administration (12% of construction cost)	LS	\$1,500,000	1	\$1,500,000
<b>TOTAL</b>					<b>\$17,850,000</b>

Project KIRBY ROAD (JANE STREET TO DUFFERIN STREET)  
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 Underpass

Sheet 2 of 3

From: Underpass To: Keele Street

Component/ Category	Item Description	Units	2021 Unit Price	Quantity	Total
<b>Road Work</b>	Excavation/Earthworks	m3	\$20	53904	<b>\$1,078,080</b>
	Contingency (20%)				<b>\$215,616</b>
	<b>Sub Total</b>				<b>\$1,293,696</b>
<b>Structures and Rail Bridge</b>	Structure of Underpass	LS	\$31,700,000	1	<b>\$31,700,000</b>
	Rail Bridge	LS	\$11,400,000	1	<b>\$11,400,000</b>
	Contingency (30%)				<b>\$12,930,000</b>
	<b>Sub Total</b>				<b>\$56,030,000</b>
<b>Traffic control</b>	Traffic Control and Staging Plan (20% of construction cost)	LS	\$8,840,000	1	<b>\$8,840,000</b>
<b>Engineering</b>	Design and Contract Administration (15% of construction cost)	LS	\$7,960,000	1	<b>\$7,960,000</b>

TOTAL

**\$74,130,000**

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Sheet 3 of 3

From: Keele Street To: Dufferin Street

Component/ Category	Item Description	Units	2021 Unit Price	Quantity	Total
<b>Hydro</b>	Supply and Install Hydro Pole	each	\$20,700	94	\$1,937,520
	Contingency (20%)				\$387,504
	<b>Sub Total</b>				<b>\$2,325,024</b>
<b>Removals</b>	Removal of Asphalt Pavement - Full Depth	m2	\$6	20386	\$129,043
	Curb and gutter removal	m	\$19	364	\$7,040
	Removal of Catch Basin	each	\$535	6	\$3,210
	Existing traffic signals	each	\$25,300	7	\$177,100
	Removal of Hydro Poles	each	\$2,100	45	\$94,500
	Removal of Luminaire Poles (LSW)	each	\$3,200	9	\$28,800
	Removal of Sidewalks	m2	\$18	2725	\$48,532
	Removal of Maintenance Holes	each	\$464	12	\$5,563
	Removal of Steel Beam Guide Rail & Handrail	m	\$26	580	\$15,306
	Removal of Fire Hydrant	each	\$2,061	6	\$12,363
	Removal of Water Valves	each	\$896	9	\$8,068
	Removal of Fence	m	\$7	1975	\$14,102
	Contingency (20%)				\$108,726
	<b>Sub Total</b>				<b>\$652,353</b>
<b>Road Work</b>	Excavation/Earthworks	m3	\$20	53570	\$1,071,400
	Granular A	tonne	\$23	11147	\$256,390
	Granular B Type II	tonne	\$20	36248	\$724,960
	Top Course Asphalt HL1	tonne	\$95	3950	\$375,258
	Base Course Asphalt HD/BC	tonne	\$100	10584	\$1,058,400
	Install Curb and Gutter (Roadway)	m	\$70	4820	\$337,400
	Install raised median (concrete island)	m2	\$85	303	\$25,755
	Install Sidewalk	m2	\$85	8973	\$762,722
	Install Cycle Track	m2	\$45	7907	\$355,814
	Install Storm Sewer	m	\$500	2100	\$1,050,000
	Install Subdrains	m	\$28	4820	\$134,960
	Install Catch Basin	each	\$3,000	62	\$187,200
	Install Manhole	each	\$8,850	21	\$188,264
	Install Catch Basin Leads	m	\$350	452	\$158,340
	Install Steel Beam Guide Rail	m	\$224	425	\$95,396
	Install Fire Hydrant	each	\$9,780	6	\$58,677
	Install Valves	each	\$6,260	9	\$56,341
	Permanent Pavement Marking	m	\$9	6514	\$58,630
	Permanent Pavement Marking - Zebra Markings	m	\$46	137	\$6,288
	Permanent Pavement Marking - Symbols	each	\$153	76	\$11,635
	Permanent Pavement Marking - Elephant Feet	each	\$6	397	\$2,184
	Contingency (20%)				\$1,395,202
	<b>Sub Total</b>				<b>\$8,371,215</b>
<b>Streetslights</b>	Supply and Install Luminaire Poles	each	\$20,700	47	\$968,760
	Contingency (20%)				\$193,752
	<b>Sub Total</b>				<b>\$1,162,512</b>
<b>Traffic Signals</b>	Permanent (intersection)	each	\$310,400	1	\$310,400
	Temporary (intersection)	each	\$129,300	1	\$129,300
	Contingency (20%)				\$87,940
	<b>Sub Total</b>				<b>\$527,640</b>
<b>Landscape</b>	Landscape (4% of road work cost)	LS	\$280,000	1	\$280,000
	Contingency (20%)				\$56,000
	<b>Sub Total</b>				<b>\$336,000</b>
<b>Traffic control</b>	Traffic Control and Staging Plan (10% of construction cost)	LS	\$1,120,000	1	\$1,120,000
<b>Engineering</b>	Design and Contract Administration (12% of construction cost)	LS	\$1,310,000	1	\$1,310,000
<b>TOTAL</b>					<b>\$15,810,000</b>