

Appendix J – Preliminary Cost Estimate

Schedule “C” Class Environmental Assessment for Airport
Road from Braydon Boulevard / Stonecrest Drive to
Countryside Drive



Project AIRPORT RD EA (BRAYDON/STONECREST TO COUNTRYSIDE)
 Subject CLASS EA, OPINION OF PROBABLE COST
 Task Airport Road

Computed Y. Mansour
 Checked A. Reitmeier
 Sheet 1

Date 7/10/2020
 Date 7/23/2020
 of 1

From: Braydon Blvd/Stonecrest Dr To: Countryside Dr

Component/ Category	Item Description	Units	2020 Unit Price	Quantity	Total
Utility Conflicts	Hydro Pole Relocation	each	\$35,000	32	\$1,120,000
	Contingency (20%)				\$224,000
	Sub Total				\$1,344,000
Removals	Full Depth Asphalt removal	m2	\$5	36000	\$180,000
	Asphalt in raised median	m2	\$5	3450	\$17,250
	Curb and gutter removal	m	\$15	3420	\$51,300
	Catch basin removal	each	\$300	85	\$25,500
	Subdrain removal	m	\$5	3200	\$16,000
	Existing traffic signals	each	\$25,000	3	\$75,000
	Contingency (20%)				\$73,010
Sub Total				\$438,060	
Road Work	Excavation/Earthworks	m3	\$16	47180	\$754,880
	Granular 'A'	tonne	\$46	38715	\$1,780,890
	Granular 'B'	tonne	\$36	16415	\$590,940
	Asphalt Base (SP 19)	tonne	\$84	17575	\$1,476,300
	Asphalt Top (SP 12.5)	tonne	\$125	5875	\$734,375
	Install curb and gutter (Roadway)	m	\$70	3200	\$224,000
	Install curb and gutter (Driveway)	m	\$70	55	\$3,850
	Permeable raised median	m2	\$70	3450	\$241,500
	Install MUP	m2	\$80	9900	\$792,000
	Install storm sewer	m	\$375	100	\$37,500
	Install subdrains	m	\$30	3200	\$96,000
	Install catch basin	each	\$2,500	85	\$212,500
	Install catch basin lead	m	\$280	300	\$84,000
	Install manhole	each	\$8,000	5	\$40,000
	Infiltration trench	m	\$500	2415	\$1,207,500
	Retaining Wall (up to 3m height)	m	\$1,200	495	\$594,000
	Permanent Pavement Marking	m	\$8	10785	\$86,280
	Contingency (20%)				\$1,791,303
	Sub Total				\$10,747,818
Streetlights	Independent streetlight pole (assume 50m spacing)	each	\$7,500	37	\$277,500
	Mounted on relocated hydro pole	each	\$2,500	32	\$80,000
	Contingency (20%)				\$71,500
Sub Total				\$429,000	
Traffic Signals	Permanent (intersection)	each	\$300,000	3	\$900,000
	Temporary (intersection)	each	\$150,000	3	\$450,000
	Contingency (20%)				\$270,000
Sub Total				\$1,620,000	
Culverts	Rehabilitation	each	\$20,000	2	\$40,000
	Contingency (20%)				\$8,000
Sub Total				\$48,000	
Noise Walls	Removal of Existing Noise Wall	m	\$175	1680	\$294,000
	New Noise Wall	m	\$1,680	1862.6	\$3,129,168
	Contingency (20%)				\$684,634
Sub Total				\$4,107,802	
Landscape	Landscape (4% of road work cost)	LS	\$360,000	1	\$360,000
	Contingency (20%)				\$72,000
	Sub Total				\$432,000
Traffic control	Traffic Control and Staging Plan (10% of construction cost)	LS	\$1,570,000	1	\$1,570,000
Engineering	Design and Contract Administration (17.5% of construction cost)	LS	\$2,750,000	1	\$2,750,000

TOTAL

\$23,490,000