



**South Cariboo Regional Airport
Airfield Pavement Rehabilitation**

Preliminary Cost Estimate

Item	Description	Total
1.0	Runway Pavement Rehabilitation	\$3,928,270.50
2.0	Taxiway/Apron Pavement Rehabilitation	\$1,404,315.00
3.0	Electrical Replacement	
Sub Total Construction		\$5,332,585.50
4.0	Project Soft Costs 8%	\$427,000.00
5.0	Contingency 15.0%	\$800,000.00
Total		\$6,559,585.50

1.0	Runway Pavement Rehabilitation	Quantity	Unit	Unit Price	Total
1.1	General Construction Items	1	LS	\$357,115.50	\$357,115.50
1.2	Pulverization	44,770	m2	\$16.50	\$738,705.00
1.3	New 100mm Granular Base	11,590	tonnes	\$55.00	\$637,450.00
1.4	New 100mm Asphalt Paving	11,280	tonnes	\$187.50	\$2,115,000.00
1.5	Line Painting	1	ls	\$80,000.00	\$80,000.00
Sub Total Section 2.0					\$3,928,270.50

2.0	Taxiway/Apron Pavement Rehabilitation	Quantity	Unit	Unit Price	Total
2.1	General Construction Items	1	LS	\$127,665.00	\$127,665.00
2.2	Pulverization	15,450	m2	\$16.50	\$254,925.00
2.3	New 100mm Granular Base	4,020	tonnes	\$55.00	\$221,100.00
2.4	New 100mm Asphalt Paving	4,190	tonnes	\$187.50	\$785,625.00
2.5	Line Painting	1	ls	\$15,000.00	\$15,000.00
Sub Total Section 3.0					\$1,404,315.00

3.0	Electrical Replacement	Quantity	Unit	Unit Price	Total
3.1	Accurately locate, mark on site and record locations of existing buried cables and utilities which could be disturbed during construction	1	each	\$6,500.00	\$6,500.00
3.2	Supply of spare parts	1	each	\$20,000.00	\$20,000.00
3.3	Supply of operation and maintenance manuals	1	each	\$3,500.00	\$3,500.00
3.4	Supply and installation of remaining miscellaneous material and labour to complete the work as described in the Specifications and shown on the Drawings.	1	each	\$10,000.00	\$10,000.00
3.5	Trench up to 1300mm deep c/w excavation, backfill, compaction and warning tape for conduit crossings under finished surfaces	130	each	\$80.00	\$10,400.00
3.6	Trench up to 600mm deep c/w excavation, backfill, compaction and warning tape for buried cables or raceways	4,000	lm	\$40.00	\$160,000.00
3.7	Supply and install 1-103mm rigid PVC conduit direct buried	130	each	\$16.00	\$2,080.00

3.8	Provide a 75mm layer of sand above and below all duct buried cables or raceways	4,000	each	\$6.00	\$24,000.00
3.9	Supply and install 4-1/C, #8, 5 KV ASLC cables direct buried	280	each	\$24.00	\$6,720.00
3.10	Supply and install 3-1/C, #8, 5 KV ASLC cables direct buried	1,260	each	\$18.00	\$22,680.00
3.10	Supply and install 2-1/C, #8, 5 KV ASLC cables direct buried	470	lm	\$12.00	\$5,640.00
3.11	Supply and install 1-1/C, #8, 5 KV ASLC cables direct buried	2,250	each	\$6.00	\$13,500.00
3.12	Supply and install 1-#8 SDBC ground counterpoise above all direct buried airfield series lighting cables	8,090	each	\$3.00	\$24,270.00
3.13	Supply and install LED runway edgelight c/w fixture, mounting stake, frangible coupling, marker rod, isolating transformer, grounding and all connections (white, white/yellow or red/yellow)	50	each	\$1,300.00	\$65,000.00
3.14	Supply and install LED runway end light c/w fixture, mounting stake, frangible coupling, marker rod, isolating transformer, grounding and all connections (red uni-directional)	6	each	\$1,300.00	\$7,800.00
3.15	Supply and install LED displaced threshold wing bar light c/w fixture, mounting stake, frangible coupling, marker rod, isolating transformer, grounding and all connections (green uni-directional)	6	lm	\$1,300.00	\$7,800.00
3.16	Supply and install LED runway threshold light c/w fixture, mounting stake, frangible coupling, marker rod, isolating transformer, grounding and all connections (red/green)	6	ls	\$1,300.00	\$7,800.00
3.17	Supply and install LED taxiway edgelight c/w fixture, mounting stake, frangible coupling, marker rod, isolating transformer, grounding and all connections (blue)	29	each	\$900.00	\$26,100.00
3.18	Supply and install LED apron junction light c/w fixture, mounting stake, frangible coupling, marker rod, isolating transformer, grounding and all connections (yellow)	8	each	\$900.00	\$7,200.00
3.19	Supply and install LED PAPI system (4 light boxes) c/w concrete footings, transition plates, mounting hardware, interconnecting comm conduits/cables, isolating transformers, all connection and grounding	2	each	\$50,000.00	\$100,000.00
3.20	Supply and install LED windcone c/w concrete footing, frangible fuse bolts, isolating transformer, all connections and grounding	2	each	\$13,000.00	\$26,000.00
3.21	Supply and install 450mm diameter pullpit	107	lm	\$1,200.00	\$128,400.00
3.22	Supply and install rotating aerodrome beacon	1	each	\$9,600.00	\$9,600.00

3.23	Supply and install floodlight c/w pole concrete footing, LED fixtures, poletop hardware, wiring, all connection and grounding	1	each	\$41,000.00	\$41,000.00
3.24	Supply and install 7.5KW ferro-resonant CCR in existing FEC (edgelighting)	1	each	\$26,000.00	\$26,000.00
3.25	Supply and install 4KW ferro-resonant CCR in existing FEC (PAPI's)	1	each	\$25,000.00	\$25,000.00
3.26	Supply and install airfield lighting control system c/w operator panel	1	lm	\$17,500.00	\$17,500.00
3.27	Removals	1	each	\$19,000.00	\$19,000.00
Sub Total Section 4.0					\$823,490.00

Notes:

1. The estimate of construction costs is provided for budgetary purposes only. This is not to be interpreted as a guarantee by Avia NG Inc. of the actual project cost. The final cost of the project will be determined by the tendering and construction phases.
2. These prices do not include applicable taxes.