

CITY OF TRAIL

TRAIL REGIONAL AIRPORT FEES BYLAW

NO. 2773, 2014

Comprising a consolidation of the Trail Regional Airport Fees Bylaw No. 2773, 2014 and the following amendments thereto:

Effective Date

Bylaw No. 2810

June 27, 2016

Consolidated for convenience purposes.

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THE CITY OF TRAIL

BYLAW NO. 2773

A BYLAW TO IMPOSE FEES AND CHARGES AT THE TRAIL REGIONAL AIRPORT

WHEREAS the Council of the City of Trail deems it desirable to provide for the operation, maintenance and management of the Trail Regional Airport; and

WHEREAS pursuant to the *Community Charter*, the Council of the City of Trail may, by bylaw, set fees or charges in respect to all or part of a service of the City of Trail, or for the use of property of the City of Trail;

NOW THEREFORE, Council of the City of Trail, in open meeting assembled, ENACTS AS FOLLOWS:

- That this Bylaw may be cited as the "Trail Regional Airport Fees Bylaw No. 2773, 2014".
- 2. The fees and charges for use of the Trail Regional Airport property shall be as shown on Schedule "A" attached to and forming part of this bylaw.
- 3. This bylaw shall come into full force and take effect and be binding on all persons as of the date of adoption.

READ the FIRST, SECOND and THIRD time the 24th day of February, 2014.

ADOPTED the 10^{th} day of March , 2014.

MAYOR

CORPORATE ADMINISTRATOR

Certified a true copy of Bylaw No. <u>2773</u>, 2014.

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SCHEDULE "A"

NOTE: Fees do not include applicable taxes unless otherwise shown.

1. AIRCRAFT LANDING FEES

- 1.1 Landing fees for Jet and Turbine aircraft will be \$5.00 per 1,000 kgs or fraction thereof, of maximum take-off weight.
- 1.2 The Airport Manager may approve, at his/her discretion, a temporary reduction in aircraft landing fees for or during the inauguration of a new commercial air service.
- 1.3 Aircraft used for regularly scheduled commercial flights with a pre-existing or separate agreement with the City of Trail are exempt from these fees.
- 1.4 Aircraft that have a maximum take-off weight of 2,500 kgs (5,500 lbs) or less are exempt from these fees.
- 1.5 Aircraft used for medical emergency situations are exempt from these fees.
- 1.6 Landing Fees for Helicopters will be as follows:

Size	Landing Fee
Light	\$20.00
Medium	\$25.00
Heavy	\$40.00
Helicopter Size	Overall Length of Helicopter
Light	Less than 44 Feet
Medium	From 44 to 58 Feet
Heavy	Over 58 Feet

- 1.7 Helicopters based at the Trail Regional Airport are exempt from these fees.
- 1.8 The Airport Manager may, at his/her discretion, waive airport landing fees for any aircraft carrying non-revenue passengers on behalf of Trail-based, not for profit organizations.

2. AIRCRAFT PARKING FEES

The charges for all aircraft parking are as follows:

- 2.1 AIRCRAFT PARKING SHORT TERM
- (a) Apron Parking (1 or 2) \$5.00 per night or \$20.00 per week.
- (b) Any other designated and/or un-serviced parking area \$5.00 per night or \$20.00 per week.

2.2 AIRCRAFT PARKING - LONG TERM

- (a) Apron Parking (1 or 2) \$25.00 per month or \$250.00 per year (prorated based on calendar year).
- (b) Any other designated and/or un-serviced parking area \$25.00 per month or \$250.00 per year (prorated based on calendar year)

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4. AFTER HOURS SERVICES FEES

For every landing or take-off requiring service coverage outside of the Airport's normal published operating hours, a fee of \$75.00 will be charged for every 1 hour, or portion thereof.

5. AUTOMOBILE PARKING FEES

5.1 PARKING LOT FEES:

- (a) Short Term Parking Lot \$5.00 per day, inclusive of applicable taxes, with maximum of one day stay (i.e. no overnight parking).
- (b) Long Term Parking Lot \$3.00 per day, inclusive of applicable taxes, with no maximum stay (i.e. overnight parking permitted); \$15.00 per week, inclusive of applicable taxes, with no maximum stay (i.e. overnight parking permitted).

APPENDIX E

COST ESTIMATES



Bella Coola Airport Master Plan Highest and Best Land Use - Overall Capital Plan Development Concepts - Class 'D' Estimate of Probable Costs

	Phase	1 (2017-2027)	Phase	2 (2027-2037)	Phase 3 (Fu	ture)	
Airside Commercial Phase I							
		Contractor States of					Reconstruct the asphalt concrete road leading into th
Access Road Reconstruction (Phoenix Road west of Lot 7)	S	149,141					Area.
Water and Electrical Service - Lots 5, 6, 11, and 14A	S	76,300					Water and electrical service to the 4 lots in the Airside
Taxiway Bravo Extension and Commercial Lot Stubs	S	277,350					AGN II taxiway extension including stubs into tenant I
Southwest Development Area (Phase II)							
Taxiway Bravo Extension Across Phoenix Road			S	151,850			AGN II taxiway extension to the Southwest Developm
Lot Clearing (SW1-SW6)			S	113,940			Tree removal, clearing, grubbing, and stripping of the
Common Apron			S	281,945			Apron area to service development lots SW1-SW6.
Water and Electrical Service - Lots SW1-SW6			S	192,400			Water and electrical service to the 6 lots in the South
East Development Area (Future)							
Taxiway Extension from Main Apron					S 17	5,445	Construct an AGN II taxiway, including stubs, to serving
Lot Clearing (E1-E3)					\$ 9	1,463	Tree removal, clearing, grubbing, and stripping of the
Access Road Construction (South of Lots E1-E3)							Construct the asphalt concrete road to service lots E1
Water and Electrical Service - Lots E1-E3					\$ 12	1,500	Water and electrical service to the 3 lots in the East D
Groundside Commercial Phase 1							
Lot Clearing G1 and G2	\$	154,778					Tree removal, clearing, grubbing, and stripping of the
Water and Electrical Service - Lots G1 and G2	\$	40,500					Water and electrical service to the 2 lots in the Ground
Parking and Access Improvements					14		
Groundside Access Road Rehabilitation (TAR, TFR, TER)	\$	147,454					Mill and pave the existing airport access roads. Termi road, and Terminal-exit-road.
Provincial - Groundside Access Road Rehabilitation	+	111,101					Mill and pave the existing airport access roads. These
(West Access Road and Access Road to Highway 20)	\$	209,250					Province.
Parking Lot Rehabilitation Phase 1 (50 Stalls)	\$	145,530			a		Rehabilitation of the existing parking facilities. Mill and curb and islands, and expand parking capacity.
Parking Lot Rehabilitation Phase 2 (58 Stalls)			s	124,841			Rehabilitation of the existing parking facilities. Mill and curb and islands, and expand parking capacity.
Total Costs Per Phase	\$	1,200,303		864,976	\$ 49	9,413	
Total Cost			\$2,	564,691			
Notes: All estimated costs include a 35% engineering and contingency	-		-				

Revised Estimate of Probable Costs - Bella Coola Development Concepts.xlsx

Airside Commercial Phase I

Access Road Reconstruction (Phoenix Road west of Lot 7)

	Estimate of Probable Costs Summary		the second second	-	10.82 Tot	1000	Total
Item			1	1			
1.00	General Requirements					S	10,000
2.00	Access Road Reconstruction (Phoenix Road west of Lot 7)					\$	100,475
	Estimated Engineering Costs - Design and Construction Management				10%	\$	11,048
	Project Contingencies				25%	\$	27,619
	Total Estimate of Probable Costs					\$	149,141
Item	Description	Unit	Est Quantity	Ur	nit Price		Total Price
1.00	General Requirements						
1.01	Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As- Built Survey, Utility Locates, Temporary Fencing etc.	LS	1	S	10,000	s	10,000
2.00	Access Road Reconstruction (Phoenix Road west of Lot 7)		tal General R	Ē			
	General		_				
2.01	General Asphalt Removal Full Depth	m²	1,575	\$	10		
2.01 2.02		m ³	1,575 840	S	15	s	12,60
	Asphalt Removal Full Depth	m ³ m ²			15		12,60
2.02	Asphalt Removal Full Depth Common Excavation, Dispose/Re-use On-Site	m ³	840	S	15 5 1	s s s	12,600 2,000 1,575
2.02 2.03	Asphalt Removal Full Depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (pavement perimeter) Supply and Install Prime Coat Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick	m ³ m ²	840 400 1,575 250	S	15 5 1 125.00	\$ \$ \$ \$	12,600 2,000 1,57 31,250
2.02 2.03 2.04	Asphalt Removal Full Depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (pavement perimeter) Supply and Install Prime Coat Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick Supply and Install Granular Base Course - 150mm thick	m ³ m ² m ² T m ³	840 400 1,575 250 245	\$ \$ \$ \$ \$	15 5 1 125.00 60	s s s s	12,600 2,000 1,575 31,250 14,700
2.02 2.03 2.04 2.05 2.06 2.07	Asphalt Removal Full Depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (pavement perimeter) Supply and Install Prime Coat Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick Supply and Install Granular Base Course - 150mm thick Supply and Install Granular Subbase Course - 300 mm thick	m ³ m ² m ² T m ³ m ³	840 400 1,575 250 245 490	\$ \$ \$ \$ \$ \$ \$ \$	15 5 1 125.00 60 40	\$ \$ \$ \$ \$	12,600 2,000 1,575 31,250 14,700 19,600
2.02 2.03 2.04 2.05 2.06	Asphalt Removal Full Depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (pavement perimeter) Supply and Install Prime Coat Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick Supply and Install Granular Base Course - 150mm thick	m ³ m ² m ² T m ³	840 400 1,575 250 245	\$ \$ \$ \$ \$	15 5 1 125.00 60	\$ \$ \$ \$ \$	12,600 2,000 1,575 31,250 14,700 19,600
2.02 2.03 2.04 2.05 2.06 2.07	Asphalt Removal Full Depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (pavement perimeter) Supply and Install Prime Coat Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick Supply and Install Granular Base Course - 150mm thick Supply and Install Granular Subbase Course - 300 mm thick New Pavement Markings	m ³ m ² T m ³ LS	840 400 1,575 250 245 490 1 Subtota	S S S S S S S S S	15 5 125.00 60 40 3,000	\$ \$ \$ \$ \$	12,600 2,000 1,57 31,250 14,700 19,600 3,000
2.02 2.03 2.04 2.05 2.06 2.07	Asphalt Removal Full Depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (pavement perimeter) Supply and Install Prime Coat Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick Supply and Install Granular Base Course - 150mm thick Supply and Install Granular Subbase Course - 300 mm thick	m ³ m ² T m ³ LS	840 400 1,575 250 245 490 1 Subtota	S S S S S S S S S	15 5 125.00 60 40 3,000	\$ \$ \$ \$ \$ \$	15,750 12,600 2,000 1,575 31,250 14,700 19,600 3,000 100,475 Revised: 2017/02/1
2.02 2.03 2.04 2.05 2.06 2.07	Asphalt Removal Full Depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (pavement perimeter) Supply and Install Prime Coat Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick Supply and Install Granular Base Course - 150mm thick Supply and Install Granular Subbase Course - 300 mm thick New Pavement Markings	m ³ m ² T m ³ LS	840 400 1,575 250 245 490 1 Subtota	S S S S S S S S S	15 5 125.00 60 40 3,000	\$ \$ \$ \$ \$ \$	12,600 2,000 1,575 31,250 14,700 19,600 3,000
2.02 2.03 2.04 2.05 2.06 2.07 2.08	Asphalt Removal Full Depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (pavement perimeter) Supply and Install Prime Coat Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick Supply and Install Granular Base Course - 150mm thick Supply and Install Granular Subbase Course - 300 mm thick New Pavement Markings Water and Electrical Service - Lot	m ³ m ² T m ³ LS	840 400 1,575 250 245 490 1 Subtota	S S S S S S S S S	15 5 125.00 60 40 3,000	\$ \$ \$ \$ \$ \$	12,600 2,000 1,573 31,250 14,700 19,600 3,000 100,47 Revised: 2017/02/1

1.00	General Requirements				\$ 5,000
2.00	Water and Electrical Service - Lots 5, 6, 11, and 14A				\$ 51,500
	Subtotal General Rehabilitation Costs				\$ 56,500
	Engineering Fees and Project Contingencies (rounded)			35%	\$ 19,800
	Total Estimate of Probable Costs				\$ 76,300
Item	Description	Unit	Est Quantity	Unit Price	Total Price
1.00	General Requirements				
1.01	Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary Facilities etc.	Lump sum	1	\$ 5,000	\$ 5,000
		Subtota	I General R	equirements	\$ 5,000
	Water and Electrical Service - Lots 5, 6, 11, and 14A				
2.00	Site Works				
2.01	Watermain c.w. Water Services, Connections, Valves	LM	68	\$ 350	\$ 23,800
2.02	Electrical - Feed to Lease Lots c.w. Junction Boxes, Cable etc. (7m / Lot)	LM	68	\$ 150	\$ 10,200
2.03	Transformers	Each	2	\$ 5,000	\$ 10,000
2.04	Topsoil and Finish Grading	LS	1	\$ 7,500	\$ 7,500
			Subtota	I Site Works	\$ 51,500

Airside Commercial Phase I

Taxiway Bravo Extension and Commercial Lot Stubs

Item	Cost Summary	n - Allanda I. Arada . Arad		N. STATES			Total
1.00	General Requirements					\$	20,00
2.00	Taxiway Bravo Extension and Commercial Lot Stubs					\$	185,45
	Subtotal General Rehabilitation Costs					\$	205,45
	Engineering Fees and Project Contingencies (rounded)			35%	6	\$	71,90
	Total Estimate of Probable Costs					\$	277,35
Item			Est			1000	
	Description	Unit	Quantity	Unit P	Price		Total Price
1.00	General Requirements						
1.01	Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary Facilities etc.	LS	1	\$ 20	0,000	s	20,00
	racinues etc.						
	racinues etc.	Subto	tal General R	l lequirem	nents	\$	20,00
	radinues etc.	Subto	tal General R	l lequirem	nents	\$	20,00
2.00	Taxiway Bravo Extension and Commercial Lot Stubs	Subto	tal General R	l Requirem	nents	\$	20,00
2.00 2.00		Subto	tal General R	l tequirem	nents	\$	20,00
100010100	Taxiway Bravo Extension and Commercial Lot Stubs	Subto	tal General R	l tequirem	nents	\$	20,00
2.00	Taxiway Bravo Extension and Commercial Lot Stubs New Construction	Subto	4,100	kequirem		\$ \$	
2.00 2.01	Taxiway Bravo Extension and Commercial Lot Stubs New Construction Civil Works	1					41,00
100010100	Taxiway Bravo Extension and Commercial Lot Stubs New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth	m²	4,100	\$	10	s	20,00 41,00 14,25 19,25
2.00 2.01 2.02 2.03	Taxiway Bravo Extension and Commercial Lot Stubs New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Common Excavation, Dispose/Re-use On-Site	 	4,100 953	\$	10 15	s s	41,00
2.00 2.01 2.02	Taxiway Bravo Extension and Commercial Lot Stubs New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (Taxiway Strip)	m ² m ³ m ²	4,100 953 1,925	\$ \$ \$	10 15 10	s s s	41,00 14,21 19,22
2.01 2.02 2.03 2.04 2.05	Taxiway Bravo Extension and Commercial Lot Stubs New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth	m ² m ³ m ² Im	4,100 953 1,925 70	\$ \$ \$ \$	10 15 10 20	\$ \$ \$	41,00 14,29 19,29 1,40
2.01 2.02 2.03 2.04 2.05 2.06	Taxiway Bravo Extension and Commercial Lot Stubs New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Supply and Install Granular Subbase Course - 300 mm thick	m ² m ³ m ² im m ³	4,100 953 1,925 70 655	\$ \$ \$ \$ \$	10 15 10 20 40	\$ \$ \$ \$	41,00 14,21 19,21 1,41 26,20
2.00 2.01 2.02 2.03 2.04 2.05 2.06 2.07	Taxiway Bravo Extension and Commercial Lot Stubs New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Supply and Install Granular Subbase Course - 300 mm thick Supply and Install Granular Base Course - 150mm thick	m ² m ³ m ² Im m ³ m ³	4,100 953 1,925 70 655 325	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10 15 10 20 40 60 1 25.00	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	41,00 14,22 19,22 1,44 26,21 19,55 2,11 43,12
2.01 2.02 2.03 2.04 2.05 2.06 2.07 2.08	Taxiway Bravo Extension and Commercial Lot Stubs New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Supply and Install Granular Subbase Course - 300 mm thick Supply and Install Granular Base Course - 150mm thick Supply and Install Prime Coat	m ² m ³ m ² m ³ m ³ m ³ m ² T LS	4,100 953 1,925 70 655 325 2,180	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10 15 10 20 40 60 1 25.00 2,500	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	41,00 14,22 19,22 1,44 26,22 19,50 2,11 43,12 2,50
2.00 2.01 2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09 2.10	Taxiway Bravo Extension and Commercial Lot Stubs New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Supply and Install Granular Subbase Course - 300 mm thick Supply and Install Granular Base Course - 150mm thick Supply and Install Prime Coat Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick New Pavement Markings New Signs	m ² m ³ m ² m ³ m ³ m ³ T	4,100 953 1,925 70 655 325 2,180 345 1 1	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10 15 10 20 40 60 1 25.00 2,500 0,000	~~~~~	41,0 14,2 19,2 1,4 26,2 19,5 2,1 43,1 43,1 2,5 10,0
2.00 2.01 2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09 2.10	Taxiway Bravo Extension and Commercial Lot Stubs New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Common Excavation, Dispose/Re-use On-Site Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Supply and Install Granular Subbase Course - 300 mm thick Supply and Install Granular Base Course - 150mm thick Supply and Install Prime Coat Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick New Pavement Markings	m ² m ³ m ² m ³ m ³ m ³ m ² T LS	4,100 953 1,925 70 655 325 2,180 345 1	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10 15 10 20 40 60 1 25.00 2,500	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	41,00 14,22 19,22 1,44 26,21 19,55 2,11 43,12

Notes:

1.00 The above estimates are based on conceptual layout and design information. Quantities and costs are subject to change during preliminary and detailed design phases.

2.00 The pavement structures shown above are based on conceptual design information. The design aircraft and pavement structure are subject to change during preliminary and detailed design phases.

3.00 Water and Electrical Services are assumed to be brought one (1) metre within the lot boundary.

4.00 Temporary Facilities are based on an estimate of 10% of the Subtotal Site Works (i.e. Items 2.00-5.00)

5.00 This estimate of probable costs is provided for budgetary purposes only. It is not to be interpreted as a guarantee by Tetra Tech of the actual project costs. The actual project cost shall be determined by the tender and construction process.

Southwest Development Area (Phase II)

Taxiway Bravo Extension Across Phoenix Road

Item	Cost Summary		State of the state of the state		10000	Tatal
	Cost Summary	Wind a straight		1-1-1-1	In the second	Total
1.00	General Requirements		-		s	10.00
2.00	Taxiway Bravo Extension Across Phoenix Road				s	102,45
2.00	Subtotal General Rehabilitation Costs				s	112,45
					-	112,40
	Engineering Fees and Project Contingencies (rounded)			35%	\$	39,40
	Total Estimate of Probable Costs				\$	151,85
tem			Est		1071-076	
	Description	Unit	Quantity	Unit Price		Total Price
1.00	General Requirements					
1.01	Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary	LS	1	\$ 10,000	\$	10,00
_	Facilities etc.	Subtot	al General R	equirements	\$	10,00
2.00	Taxiway Bravo Extension Across Phoenix Road		1			
2.00	New Construction					
	Civil Works		240 m			
2.01	Clearing, Grubbing, and Stripping to 150mm depth Taxiway	m²	2,300	\$ 10	\$	23,00
2.02	Common Excavation, Dispose/Re-use On-Site Taxiway	m³	535	\$ 15	\$	8,02
2.03	Site Grading, Topsoil and Hydroseed (Taxiway Strip)	m ²	1,050	\$ 10	\$	10,50
2.04	Sawcutting Existing Asphalt Full Depth Taxiway B	Im	11	\$ 20	S	22
2.05	Supply and Install Granular Subbase Course - 300 mm thick Taxiway	m³	370	\$ 50	S	18,50
2.06		m ³	185	\$ 60	\$	11,10
2.07	Supply and Install Prime Coat taxiway	m ²	1,230	\$ 1	S	1.23
2.08	Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick taxiway	т	195	\$ 125	s	24,37
2.09	New Pavement Markings	LS	1	\$ 2,500	S	2,50
2.10		Each	6	\$ 500	S	3,00
	Coppi) and motal new relieve 2030 manere				S	102,45
2.10			Subtota	I Site Works	\$	102,40
2.10	Lot Clearing (SW1-	SW6)	Subtota	I Site Works	\$	
		SW6)	Subiota	I Site Works	\$	Revised: 2017/02/
	Lot Clearing (SW1-	SW6)		I Site Works	\$	
tem	Estimate of Probable Costs Summary	SW6)		I Site Works	\$	Revised: 2017/02/ Total
tem	Estimate of Probable Costs Summary General Requirements	SW6)		I Site Works		Revised: 2017/02/ Total
tem	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6)	SW6)		1 Site Works	\$	Revised: 2017/02/ Total 10,00 74,40
1.00 2.00	Estimate of Probable Costs Summary General Requirements	SW6)			\$	Revised: 2017/02/
1.00 2.00	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6) Estimated Engineering Costs - Design and Construction Management Project Contingencies	SW6)		10%	\$ \$ \$ \$	Revised: 2017/02/ Total 10,00 74,40 8,44 21,10
1.00 2.00	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6) Estimated Engineering Costs - Design and Construction Management	SW6)		10%	s s s	Revised: 2017/02/ Total 10,00 74,40 8,44
tem 1.00 2.00	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6) Estimated Engineering Costs - Design and Construction Management Project Contingencies	SW6) Unit	Est Quantity	10%	\$ \$ \$ \$	Revised: 2017/02/ Total 10,00 74,40 8,44 21,10
tem 1.00 2.00 	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6) Estimated Engineering Costs - Design and Construction Management Project Contingencies Total Estimate of Probable Costs Description		Est	10% 25%	\$ \$ \$ \$	Revised: 2017/02/ Total 10,00 74,40 8,44 21,10 113,94
tem 1.00 tem	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6) Estimated Engineering Costs - Design and Construction Management Project Contingencies Total Estimate of Probable Costs Description General Requirements Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As-		Est	10% 25%	\$ \$ \$ \$	Revised: 2017/02/ Total 10,00 74,40 8,44 21,10 113,94
tem 1.00 2.00	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6) Estimated Engineering Costs - Design and Construction Management Project Contingencies Total Estimate of Probable Costs Description General Requirements	Unit	Est Quantity 1	10% 25% Unit Price \$ 10,000	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Revised: 2017/02/ Total 10,00 74,40 8,44 21,10 113,94 Total Price 10,00
tem 1.00 tem	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6) Estimated Engineering Costs - Design and Construction Management Project Contingencies Total Estimate of Probable Costs Description General Requirements Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As-	Unit	Est Quantity 1	10% 25% Unit Price	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Revised: 2017/02/ Total 10,00 74,40 8,44 21,10 113,94 Total Price
tem 1.00 tem	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6) Estimated Engineering Costs - Design and Construction Management Project Contingencies Total Estimate of Probable Costs Description General Requirements Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As-Built Survey, Utility Locates, Temporary Fencing etc. Lot Clearing (SW1-SW6)	Unit	Est Quantity 1	10% 25% Unit Price \$ 10,000	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Revised: 2017/02/ Total 10,00 74,40 8,44 21,10 113,94 Total Price 10,00
tem 1.00 2.00 	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6) Estimated Engineering Costs - Design and Construction Management Project Contingencies Total Estimate of Probable Costs Description General Requirements Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As-Built Survey, Utility Locates, Temporary Fencing etc. Lot Clearing (SW1-SW6) General	Unit LS Subtot	Est Quantity 1 tal General R	10% 25% Unit Price \$ 10,000	\$ \$ \$ \$	Revised: 2017/02/ Total 10,00 74,40 8,44 21,10 113,94 Total Price 10,00 10,00
tem 1.00 2.00 	Estimate of Probable Costs Summary General Requirements Lot Clearing (SW1-SW6) Estimated Engineering Costs - Design and Construction Management Project Contingencies Total Estimate of Probable Costs Description General Requirements Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As-Built Survey, Utility Locates, Temporary Fencing etc. Lot Clearing (SW1-SW6)	Unit	Est Quantity 1	10% 25% Unit Price \$ 10,000	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Revised: 2017/02 Total 10,00 74,44 8,4 21,11 113,9 Total Price 10,0

Subtotal Site Works \$

74,400

Southwest Development Area (Phase II)

Common Apron

Item	Cost Summary		NEW YORK		1000	Total
1.00	General Requirements				s	20.000
2.00	Common Apron				S	188,845
	Subtotal General Rehabilitation Costs				\$	208,845
	Engineering Fees and Project Contingencies (rounded)			35%	\$	73,10
	Total Estimate of Probable Costs				\$	281,94
Item	Description	Unit	Est Quantity	Unit Price		Total Price
1.00	General Requirements					
1.01	Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary Facilities etc.	LS	1	\$ 20,000	\$	20,000
		Subto	tal General R	equirements	S	20,00
		Jupto	al ocherai i	oquironionio		20,00
2.00	Common Apron				1	20,00
2.00 2.00	New Construction					20,00
					1	20,00
2.00	New Construction		2,800	\$ 10	\$	
2.00 2.01	New Construction Civil Works				1	28,00
2.00 2.01 2.02	New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Apron	m ²	2,800	\$ 10	\$	
2.00 2.01	New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Apron Common Excavation, Dispose/Re-use On-Site Apron	m ² m ³	2,800 1,015	\$ 10 \$ 15	\$ \$	28,00 15,22 1,90
2.00 2.01 2.02 2.03	New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Apron Common Excavation, Dispose/Re-use On-Site Apron Site Grading, Topsoil and Hydroseed (Apron Edge)	m ² m ³ m ²	2,800 1,015 190	\$ 10 \$ 15 \$ 10	\$ \$ \$	28,00 15,22 1,90 32 43,00
2.01 2.02 2.03 2.04	New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Apron Common Excavation, Dispose/Re-use On-Site Apron Site Grading, Topsoil and Hydroseed (Apron Edge) Sawcutting Existing Asphalt Full Depth Apron Stub	m ² m ³ m ² Im	2,800 1,015 190 16	\$ 10 \$ 15 \$ 10 \$ 20	\$ \$ \$	28,00 15,22 1,90 32
2.01 2.02 2.03 2.04 2.05	New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Apron Common Excavation, Dispose/Re-use On-Site Apron Site Grading, Topsoil and Hydroseed (Apron Edge) Sawcutting Existing Asphalt Full Depth Apron Stub Supply and Install Granular Subbase Course - 300 mm thick Apron	m ² m ³ m ² Im m ³	2,800 1,015 190 16 860	\$ 10 \$ 15 \$ 10 \$ 20 \$ 50	\$ \$ \$ \$	28,00 15,22 1,90 32 43,00
2.00 2.01 2.02 2.03 2.04 2.05 2.06	New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Apron Common Excavation, Dispose/Re-use On-Site Apron Site Grading, Topsoil and Hydroseed (Apron Edge) Sawcutting Existing Asphalt Full Depth Apron Stub Supply and Install Granular Subbase Course - 300 mm thick Apron Supply and Install Granular Base Course - 150mm thick apron	m ² m ³ m ² Im m ³ m ³	2,800 1,015 190 16 860 430	\$ 10 \$ 15 \$ 10 \$ 20 \$ 50 \$ 60	\$ \$ \$ \$ \$ \$	28,00 15,22 1,90 32 43,00 25,80 2,85
2.00 2.01 2.02 2.03 2.04 2.05 2.06 2.07 2.08	New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Apron Common Excavation, Dispose/Re-use On-Site Apron Site Grading, Topsoil and Hydroseed (Apron Edge) Sawcutting Existing Asphalt Full Depth Apron Stub Supply and Install Granular Subbase Course - 300 mm thick Apron Supply and Install Granular Base Course - 150mm thick apron Supply and Install Prime Coat apron	m ² m ³ m ² im m ³ m ³ m ²	2,800 1,015 190 16 860 430 2,850	\$ 10 \$ 15 \$ 10 \$ 20 \$ 50 \$ 60 \$ 1	\$ \$ \$ \$ \$ \$ \$ \$	28,00 15,22 1,90 32 43,00 25,80
2.00 2.01 2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09	New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Apron Common Excavation, Dispose/Re-use On-Site Apron Site Grading, Topsoil and Hydroseed (Apron Edge) Sawcutting Existing Asphalt Full Depth Apron Stub Supply and Install Granular Subbase Course - 300 mm thick Apron Supply and Install Granular Base Course - 150mm thick apron Supply and Install Prime Coat apron Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick apron	m ² m ³ m ² m ³ m ³ m ³ m ² T	2,800 1,015 190 16 860 430 2,850 450	\$ 10 \$ 15 \$ 10 \$ 20 \$ 50 \$ 60 \$ 1 \$ 125	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	28,00 15,22 1,90 32 43,00 25,80 2,85 56,25 2,50
2.00 2.01 2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09 2.10	New Construction Civil Works Clearing, Grubbing, and Stripping to 150mm depth Apron Common Excavation, Dispose/Re-use On-Site Apron Site Grading, Topsoil and Hydroseed (Apron Edge) Sawcutting Existing Asphalt Full Depth Apron Stub Supply and Install Granular Subbase Course - 300 mm thick Apron Supply and Install Granular Base Course - 150mm thick apron Supply and Install Prime Coat apron Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick apron New Pavement Markings	m ² m ³ m ² Im m ³ m ³ m ² T LS	2,800 1,015 190 16 860 430 2,850 450 1	\$ 10 \$ 15 \$ 10 \$ 20 \$ 50 \$ 60 \$ 1 \$ 125 \$ 2,500	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	28,00 15,22 1,90 32 43,00 25,80 2,85 56,25

Item	Cost Summary		- Salara	Sector Sector	125.23	Total
1.00	General Requirements				\$	15,000
2.00	Water and Electrical Service - Lots SW1-SW6				\$	127,500
	Subtotal General Rehabilitation Costs				\$	142,500
	Engineering Fees and Project Contingencies (rounded)			35%	\$	49,900
j.	Total Estimate of Probable Costs				\$	192,400
ltem	Description	Unit	Est Quantity	Unit Price		Total Price
1.00	General Requirements					
1.01	Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary Facilities etc.	Lump sum	1	\$ 15,000	\$	15,000
		Subtota	I General R	equirements	\$	15,000
	Water and Electrical Service - Lots SW1-SW6				1	
2.00	Site Works					
2.01	Watermain c.w. Water Services, Connections, Valves	LM	215	\$ 350	\$	75,250
2.02	Electrical - Feed to Lease Lots c.w. Junction Boxes, Cable etc.	LM	215	\$ 150	\$	32,250
2.03	Transformers	Each	2	\$ 5,000	\$	10,000
2.04	Topsoil and Finish Grading	LS	1	\$ 10,000	\$	10,000
			Subtota	Site Works	15	127,500

Notes:

1.00 The above estimates are based on conceptual layout and design information. Quantities and costs are subject to change during preliminary and detailed design phases.

2.00 The pavement structures shown above are based on conceptual design information. The design aircraft and pavement structure are subject to change during preliminary and detailed design phases.

3.00 Water and Electrical Services are assumed to be brought one (1) metre within the lot boundary.

4.00 Temporary Facilities are based on an estimate of 10% of the Subtotal Site Works (i.e. Items 2.00-5.00)

5.00 This estimate of probable costs is provided for budgetary purposes only. It is not to be interpreted as a guarantee by Tetra Tech of the actual project costs. The actual project cost shall be determined by the tender and construction process.

East Development Area (Future)

Taxiway Extension from Main Apron

	Cost Summary	State To				Total
		1				
1.00	General Requirements				\$	15,000
2.00	Taxiway Extension from Main Apron				S	114,945
	Subtotal General Rehabilitation Costs				\$	129,945
	Engineering Fees and Project Contingencies (rounded)			35%	\$	45,500
	Total Estimate of Probable Costs				\$	175,445
Item			Est		118	
1311	Description	Unit	Quantity	Unit Price		Total Price
1.00	General Requirements					
1.01	Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary Facilities etc.	LS	1	\$ 15,000	\$	15,000
	T domines etc.	Subto	tal General F	equirements	\$	15,000
2.00	Taxiway Extension from Main Apron	1				
2.00	New Construction	4				
	Civil Works					
2.01	Tree Removal	m ²	1,900	\$ 5	\$	9,500
		m ²	1,900	\$ 5 \$ 10	\$	
2.02	Clearing, Grubbing, and Stripping to 150mm depth Taxiway			\$ 10		20,000
2.02 2.03	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway	m ²	2,000	\$ 10	\$	20,000 7,875
2.02 2.03 2.04	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway Site Grading, Topsoil and Hydroseed (Taxiway Strip)	m ² m ³	2,000 525	\$ 10 \$ 15	\$ \$	20,000 7,875 10,500
2.02 2.03	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway	m ² m ³ m ²	2,000 525 1,050	\$ 10 \$ 15 \$ 10	\$ \$ \$	20,000 7,875 10,500 220
2.02 2.03 2.04 2.05	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Taxiway B	m ² m ³ m ² Im	2,000 525 1,050 11	\$ 10 \$ 15 \$ 10 \$ 20	\$ \$ \$ \$	20,000 7,875 10,500 220 15,000
2.02 2.03 2.04 2.05 2.06 2.07	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Taxiway B Supply and Install Granular Subbase Course - 300 mm thick Taxiway Supply and Install Granular Base Course - 150mm thick taxiway	m ² m ³ m ² Im m ³	2,000 525 1,050 11 375 185	\$ 10 \$ 15 \$ 10 \$ 20 \$ 40 \$ 60	\$ \$ \$ \$ \$ \$	20,000 7,875 10,500 220 15,000 11,100
2.02 2.03 2.04 2.05 2.06 2.07 2.08	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Taxiway B Supply and Install Granular Subbase Course - 300 mm thick Taxiway Supply and Install Granular Base Course - 150mm thick taxiway Supply and Install Prime Coat taxiway	m ² m ³ m ² Im m ³ m ³	2,000 525 1,050 11 375 185 1,250	\$ 10 \$ 15 \$ 10 \$ 20 \$ 40 \$ 60 \$ 1	\$ \$ \$ \$	20,000 7,875 10,500 220 15,000 11,100 1,250
2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Taxiway B Supply and Install Granular Subbase Course - 300 mm thick Taxiway Supply and Install Granular Base Course - 150mm thick taxiway Supply and Install Prime Coat taxiway Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick taxiway	m ² m ³ lm m ³ m ³ m ³	2,000 525 1,050 11 375 185	\$ 10 \$ 15 \$ 10 \$ 20 \$ 40 \$ 60 \$ 1	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 7,875 10,500 220 15,000 11,100 1,250 25,000
2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09 2.10	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Taxiway B Supply and Install Granular Subbase Course - 300 mm thick Taxiway Supply and Install Granular Base Course - 150mm thick taxiway Supply and Install Prime Coat taxiway Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick taxiway New Pavement Markings	m ² m ³ lm m ³ m ³ m ³ T	2,000 525 1,050 11 375 185 1,250 200	\$ 10 \$ 15 \$ 10 \$ 20 \$ 40 \$ 60 \$ 1 \$ 125	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 7,875 10,500 220 15,000 11,100 1,250 25,000 2,500
2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Taxiway B Supply and Install Granular Subbase Course - 300 mm thick Taxiway Supply and Install Granular Base Course - 150mm thick taxiway Supply and Install Prime Coat taxiway Supply and Install Prime Coat taxiway Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick taxiway New Pavement Markings New Signs	m ² m ³ m ² m ³ m ³ m ³ m ² T LS	2,000 525 1,050 11 375 185 1,250 200 1	\$ 10 \$ 15 \$ 10 \$ 20 \$ 40 \$ 60 \$ 1 \$ 125 \$ 2,500	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 7,875 10,500 220 15,000 11,100 1,250 25,000 2,500 10,000
2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09 2.10 2.11	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Taxiway B Supply and Install Granular Subbase Course - 300 mm thick Taxiway Supply and Install Granular Base Course - 150mm thick taxiway Supply and Install Prime Coat taxiway Supply and Install Prime Coat taxiway Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick taxiway New Pavement Markings New Signs	m ² m ³ m ² m ³ m ³ m ³ T LS LS	2,000 525 1,050 11 375 185 1,250 200 1 1 4	\$ 10 \$ 15 \$ 10 \$ 20 \$ 40 \$ 60 \$ 125 \$ 2,500 \$ 10,000	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 7,875 10,500 15,000 11,100 1,250 25,000 2,500 10,000 2,000
2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09 2.10 2.11	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Taxiway B Supply and Install Granular Subbase Course - 300 mm thick Taxiway Supply and Install Granular Base Course - 150mm thick taxiway Supply and Install Prime Coat taxiway Supply and Install Prime Coat taxiway Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick taxiway New Pavement Markings New Signs	m ² m ³ lm m ³ m ³ m ² T LS LS Each	2,000 525 1,050 11 375 185 1,250 200 1 1 4	\$ 10 \$ 15 \$ 10 \$ 20 \$ 40 \$ 60 \$ 10 \$ 125 \$ 2,500 \$ 10,000 \$ 500	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 7,875 10,500 220 15,000 11,100 1,250 25,000 2,500 10,000 2,000
2.02 2.03 2.04 2.05 2.06 2.07 2.08 2.09 2.10 2.11	Clearing, Grubbing, and Stripping to 150mm depth Taxiway Common Excavation, Dispose/Re-use On-Site Taxiway Site Grading, Topsoil and Hydroseed (Taxiway Strip) Sawcutting Existing Asphalt Full Depth Taxiway B Supply and Install Granular Subbase Course - 300 mm thick Taxiway Supply and Install Granular Base Course - 150mm thick taxiway Supply and Install Prime Coat taxiway Supply and Install Prime Coat taxiway Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick taxiway New Pavement Markings New Signs Supply and Install New Reflective Edge Markers	m ² m ³ lm m ³ m ³ m ² T LS LS Each	2,000 525 1,050 11 375 185 1,250 200 1 1 4	\$ 10 \$ 15 \$ 10 \$ 20 \$ 40 \$ 60 \$ 10 \$ 125 \$ 2,500 \$ 10,000 \$ 500	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,500 20,000 7,875 10,500 220 15,000 11,100 1,250 25,000 2,500 10,000 2,500 114,945 Revised: 2017/02/11

Item	Estimate of Probable Costs Summary	490.8-33				Total
1.00	General Requirements				\$	10,000
2.00	Lot Clearing (E1-E3)		2		\$	57,750
	Estimated Engineering Costs - Design and Construction Management			10%	\$	6,775
	Project Contingencies			25%	\$	16,938
	Total Estimate of Probable Costs				\$	91,463
ltem	Description	Unit	Est Quantity	Unit Price		Total Price
1.00	General Requirements					
1.01	Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As- Built Survey, Utility Locates, Temporary Fencing etc.	LS	1	\$ 10,000	\$	10,000
		Subto	tal General F	Requirements	\$	10,000
2.00	Lot Clearing (E1-E3)					
	General					
2.01	Tree Removal	m ²	3,850	\$ 5	\$	19,250
2.02	Clearing, Grubbing, and Stripping to 150mm depth Apron	m²	3,850	\$ 10	s	38,500
			Subtotal	Site Works	s	57,750

East Development Area (Future)

Access Road Construction (South of Lots E1-E3)

-	Cost Summary		and the second		HE S	Total
		1			110000	
1.00	General Requirements				\$	10,00
2.00	Access Road Construction (South of Lots E1-E3)				\$	72,20
	Subtotal General Construction Costs				\$	82,20
	Engineering Fees and Project Contingencies (rounded)			35%	\$	28,80
	Total Estimate of Probable Costs				\$	111.00
ltem	Description	Unit	Est Quantity	Unit Price		Total Price
1.00	General Requirements	-				
	Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary	LS	1	\$ 10,000	\$	10,00
	Facilities etc.	Subtota	I General R	l equirements	\$	10,000
2.00	Access Road Construction (South of Lots E1-E3)					
2.00	New Construction					
	Civil Works					
2.01	Tree Removal	m ²	975	\$ 5	S	4,87
	Clearing, Grubbing, and Stripping to 150mm depth Taxiway	m ²	1.000	\$ 10	_	10,00
2.03	Common Excavation, Dispose/Re-use On-Site Taxiway	m ³	375	S 15		5.62
2.04	Site Grading, Topsoil and Hydroseed	m ²	200	\$ 10	-	2,00
2.05	Sawcutting Existing Asphalt Full Depth Access Road	Im	9	\$ 20	s	18
2.05	Supply and Install Granular Subbase Course - 300 mm thick	m³	300	\$ 40		12,00
2.00	Supply and Install Granular Base Course - 150mm thick	m ³	150	\$ 60		9.00
2.08	Supply and Install Prime Coat	m ²	1,025	\$ 1	s	1,02
	Supply and instant time obat					
	Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick		200		S	25.00
2.09	Supply and Install Hot-Mix Asphalt Concrete - 65 mm thick New Pavement Markings	T LS	200	\$ 125 \$ 2,500		
2.09	New Pavement Markings	T LS	1 Subtota	\$ 125	\$	2,50
2.09		T LS	1 Subtota	\$ 125 \$ 2,500	\$	25,00 2,50 72,20
2.09	New Pavement Markings Water and Electrical Servi	T LS	1 Subtota	\$ 125 \$ 2,500	\$	2,50
2.09	New Pavement Markings	T LS	1 Subtota	\$ 125 \$ 2,500	\$	2,50 72,20 Revised: 2017/02/*
2.09 2.10	New Pavement Markings Water and Electrical Servi	T LS	1 Subtota	\$ 125 \$ 2,500	\$ \$	2,50 72,20 Revised: 2017/02/* Total 10,00
2.09 2.10 Item 1.00	New Pavement Markings Water and Electrical Servi Cost Summary General Requirements Water and Electrical Service - Lots E1-E3	T LS	1 Subtota	\$ 125 \$ 2,500	\$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00
2.09 2.10 Item 1.00	New Pavement Markings Water and Electrical Servi General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs	T LS	1 Subtota	\$ 125 \$ 2,500 I Site Works	\$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00 90,00
2.09	New Pavement Markings Water and Electrical Servi General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded)	T LS	1 Subtota	\$ 125 \$ 2,500	\$ \$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00 90,00 31,50
2.09 2.10 Item 1.00	New Pavement Markings Water and Electrical Servi General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs	T LS	1 Subtota	\$ 125 \$ 2,500 I Site Works	\$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00 90,00 31,50
2.09 2.10 Item 1.00	New Pavement Markings Water and Electrical Servi General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded) Total Estimate of Probable Costs	T LS	1 Subtota E1-E3 Est	\$ 125 \$ 2,500 I Site Works	\$ \$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/1 Total 10,00 80,00 90,00 31,50 121,50
2.09 2.10 Item 1.00 2.00	New Pavement Markings Water and Electrical Servi General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded)	T LS	1 Subtota E1-E3	\$ 125 \$ 2,500 I Site Works	\$ \$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ ⁷ Total 10,00 80,00 90,00 31,50
2.09 2.10 Item 1.00 2.00	New Pavement Markings Water and Electrical Service General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded) Total Estimate of Probable Costs Description General Requirements	T LS Ce - Lots E	1 Subtota E1-E3 Est Quantity	\$ 125 \$ 2,500 I Site Works 35% Unit Price	\$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00 90,00 31,50 121,50 Total Price
2.09 2.10 Item 1.00 2.00	New Pavement Markings Water and Electrical Service General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded) Total Estimate of Probable Costs Description	T LS Ce - Lots E Unit	1 Subtota E1-E3 Est Quantity	\$ 125 \$ 2,500 Site Works 35% Unit Price \$ 10,000	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00 90,00 31,50 121,50 Total Price
2.09 2.10 Item 1.00 2.00	New Pavement Markings Water and Electrical Service Cost Summary General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded) Total Estimate of Probable Costs Description General Requirements Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary	T LS Ce - Lots E Unit	1 Subtota E1-E3 Est Quantity	\$ 125 \$ 2,500 I Site Works 35% Unit Price	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00 90,00 31,50 121,50 Total Price 10,00
2.09 2.10 Item 1.00 2.00	New Pavement Markings Water and Electrical Service Cost Summary General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded) Total Estimate of Probable Costs Description General Requirements Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary	T LS Ce - Lots E Unit	1 Subtota E1-E3 Est Quantity	\$ 125 \$ 2,500 Site Works 35% Unit Price \$ 10,000	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00 90,00 31,50 121,50 Total Price
2.09 2.10 Item 1.00 2.00 Item 1.01	New Pavement Markings Water and Electrical Service Cost Summary General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded) Total Estimate of Probable Costs Description General Requirements Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary Facilities etc.	T LS Ce - Lots E Unit	1 Subtota E1-E3 Est Quantity	\$ 125 \$ 2,500 Site Works 35% Unit Price \$ 10,000	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00 90,00 31,50 121,50 Total Price
2.09 2.10 Item 1.00 2.00 Item 1.01 2.00	New Pavement Markings Water and Electrical Servic General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded) Total Estimate of Probable Costs Description General Requirements Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary Facilities etc. Water and Electrical Service - Lots E1-E3	T LS Ce - Lots E Unit	1 Subtota E1-E3 Est Quantity	\$ 125 \$ 2,500 I Site Works 35% Unit Price \$ 10,000 tequirements \$ 350	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00 90,00 31,55 121,50 Total Price 10,00 10,00 45,50
2.09 2.10 Item 1.00 2.00 Item 1.01 2.00	New Pavement Markings Water and Electrical Service Cost Summary General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded) Total Estimate of Probable Costs Description General Requirements Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary Facilities etc. Water and Electrical Service - Lots E1-E3 Site Works	T LS Ce - Lots E Unit Lump sum Subtota	1 Subtota E1-E3 Est Quantity 1 I General R	\$ 125 \$ 2,500 I Site Works 35% Unit Price \$ 10,000 equirements \$ 350 \$ 150	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 90,00 31,50 121,50 Total Price 10,00 10,00 45,50 19,50
2.09 2.10 Item 1.00 2.00 Item 1.01 2.00 2.01	New Pavement Markings Water and Electrical Servic Cost Summary General Requirements Water and Electrical Service - Lots E1-E3 Subtotal General Construction Costs Engineering Fees and Project Contingencies (rounded) Total Estimate of Probable Costs Description General Requirements Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary Facilities etc. Water and Electrical Service - Lots E1-E3 Site Works Watermain c.w. Water Services, Connections, Valves	T LS ice - Lots E Unit Lump sum Subtota	1 Subtota E1-E3 Est Quantity 1 al General R 130	\$ 125 \$ 2,500 I Site Works 35% Unit Price \$ 10,000 tequirements \$ 350	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,50 72,20 Revised: 2017/02/ Total 10,00 80,00 90,00 31,50 121,50

Notes:

1.00 The above estimates are based on conceptual layout and design information. Quantities and costs are subject to change during preliminary and detailed design phases.

2.00 The pavement structures shown above are based on conceptual design information. The design aircraft and pavement structure are subject to change during preliminary and detailed design phases.

3.00 Water and Electrical Services are assumed to be brought one (1) metre within the lot boundary.

4.00 Temporary Facilities are based on an estimate of 10% of the Subtotal Site Works (i.e. Items 2.00-5.00)

5.00 This estimate of probable costs is provided for budgetary purposes only. It is not to be interpreted as a guarantee by Tetra Tech of the actual project costs. The actual project cost shall be determined by the tender and construction process.



Groundside Commercial Phase 1 Lot Clearing G1 and G2

Item	Estimate of Probable Costs Summary			-	1	12576	Total
1.00	General Requirements			-		s	10.000
2.00	Lot Clearing (G1-G2)			-		S	104,650
	Estimated Engineering Costs - Design and Construction Management				10%	\$	11,465
	Project Contingencies		_		25%	S	28,663
	Total Estimate of Probable Costs					\$	154,778
ltem	Description	Unit	Est Quantity	U	nit Price	1995	Total Price
1.00	General Requirements						
1.01	Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As- Built Survey, Utility Locates, Temporary Fencing etc.	LS	1	\$	10,000	\$	10,000
		Subto	tal General F	lequ	irements	\$	10,000
2.00	Lot Clearing (G1-G2)						
	General				-		
2.01	Tree Removal	m ²	8,050	\$	3	S	24,150
2.02	Clearing, Grubbing, and Stripping to 150mm depth Apron	m²	8,050	s	10	\$	80,500
			Subtotal	Site	Worke	s	104,650

Water and Electrical Service - Lots G1 and G2

Item	Cost Summary	Total				
1.00	General Requirements				s	5,000
1.00	Water and Electrical Service - Lots E1-E3				s	25,000
2.00	Subtotal General Construction Costs				S	30,000
	Engineering Fees and Project Contingencies (rounded)			35%	S	10,500
	Total Estimate of Probable Costs			5576	\$	40,500
ltem	Description	Unit	Est Quantity	Unit Price		Total Price
1.00	General Requirements					
	Mob / Demob, Survey Layout, As-Built Survey, Utility Locates, Temporary Facilities etc.	Lump sum	1	\$ 5,000	\$	5,000
		\$	5,000			
	Water and Electrical Service - Lots E1-E3					
2.00	Site Works					
2.01	Watermain c.w. Water Services, Connections, Valves	LM	20	\$ 350	\$	7,000
2.02	Electrical - Feed to Lease Lots c.w. Junction Boxes, Cable etc.	LM	20	\$ 150	S	3,000
2.03	Transformers	Each	2	\$ 5,000	\$	10,000
2.04	Topsoil and Finish Grading	LS	1	\$ 5,000	S	5,000
		S	25,000			

Notes:

1.00 The above estimates are based on conceptual layout and design information. Quantities and costs are subject to change during preliminary and detailed design phases.

2.00 The pavement structures shown above are based on conceptual design information. The design aircraft and pavement structure are subject to change during preliminary and detailed design phases.

3.00 Water and Electrical Services are assumed to be brought one (1) metre within the lot boundary.

4.00 Temporary Facilities are based on an estimate of 10% of the Subtotal Site Works (i.e. Items 2.00-5.00)

5.00 This estimate of probable costs is provided for budgetary purposes only. It is not to be interpreted as a guarantee by Tetra Tech of the actual project costs. The actual project cost shall be determined by the tender and construction process.

Bella Coola Airport Master Plan Development Concepts - Class 'D' Estimate of Probable Costs

Parking and Access Improvements

Groundside Access Road Rehabilitation (TAR, TFR, TER)

ltem	Estimate of Probable Costs Summary				10-010	Sar	Total
1.00	General Requirements			-		s	10,00
2.00	Groundside Access Road Rehabilitation (TAR, TFR, TER)					\$	99,22
	Estimated Engineering Costs - Design and Construction Management				10%	\$	10,922.5
	Project Contingencies				25%	s	27,306.2
	Total Estimate of Probable Costs					\$	147,45
ltem	Description	Unit	Est Quantity	U	nit Price	1	Total Price
1.00	General Requirements						
1.01	Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As-Built Survey, Utility Locates, Temporary Fencing etc.	Lump Sum	1	\$	10,000	s	10,00
-		Sul	ototal Genera	al Rec	uirements	\$	10,00
2.00	Groundside Access Road Rehabilitation (TAR, TFR, TER)						
2.01	Cold Milling including Butt Joints c/w Disposal of Millings On-Site - 50mm	m²	3,800	\$	6	\$	22,80
2.02	Asphalt Tack Coat	m²	3,800	\$	1	\$	3,80
2.03	Hot Mix Asphalt Paving - 50 mm thick	Т	445	\$	125.00	\$	55,62
2.04	Asphalt Crack Treatment/Localized Repairs	LM	600	\$	20	\$	12,00
2.05	New Pavement Markings	LS	1	\$	5,000	\$	5,00

Provincial - Groundside Access Road Rehabilitation (West Access Road and Access Road to Highway 20)

ltem	Estimate of Probable Costs Summary	and the second states			A Carlo - Marco		Total
1.00	General Requirements					\$	15,00
2.00	Provincial - Groundside Access Road Rehabilitation (West Access Road and Access Road to Highway 20)					\$	140,00
	Estimated Engineering Costs - Design and Construction Management				10%	\$	15,500.0
	Project Contingencies				25%	\$	38,750.0
	Total Estimate of Probable Costs					\$	209,25
ltem	Description	Unit	Est Quantity	U	nit Price		Total Price
1.00	General Requirements						
1.01	As-Built Survey, Utility Locates, Temporary Fencing etc.	Lump Sum	1	\$	15,000	\$	15,00
		Sul	ototal Genera	al Rec	uirements	\$	15,00
2.00	Provincial - Groundside Access Road Rehabilitation (West Access Road and Access Road to Highway 20)						
2.01	Cold Milling including Butt Joints c/w Disposal of Millings On-Site - 50mm	m²	5,500	\$	6	\$	33,00
2.02	Asphalt Tack Coat	m ²	5,500	\$	1	\$	5,50
2.03	Hot Mix Asphalt Paving - 50 mm thick	Т	640	S	125.00	\$	80,00
2.04	Asphalt Crack Treatment/Localized Repairs	LM	825	\$	20	\$	16,50
2.05	New Pavement Markings	LS	1	\$	5,000	\$	5,00
			Subt	atal Si	ite Works	s	140,00

Parking Lot Rehabilitation Phase 1 (50 Stalls)

Item	Estimate of Probable Costs Summary			1993			Total
1.00	General Requirements					\$	10,000
2.00	Civil Works					\$	72,55
3.00	Electrical Works					\$	25,25
	Estimated Engineering Costs - Design and Construction Management				10%	\$	10,780.0
-	Project Contingencies				25%	\$	26,950.0
	Total Estimate of Probable Costs					\$	145,53
Item	Description	Unit	Est Quantity	U	Init Price		Total Price
1.00	General Requirements						
1.01	Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As-Built Survey, Utility Locates, Temporary Fencing etc.	Lump Sum	1	s	10,000	\$	10,00
		Sul	ototal Gener	al Rec	quirements	\$	10,00
	Parking Lot Rehabilitation Phase 1 (50 Stalls)			1			
2.00	Civil Works						
2.01	Cold Milling including Butt Joints c/w Disposal of Millings On-Site - 50mm	m ²	1,700	S	6	\$	10,20
2.02	Asphalt Tack Coat	m²	1,700	\$	1	\$	1,70
2.03	Hot Mix Asphalt Paving - 50 mm thick	Т	210	\$	125.00	\$	26,25
2.04	Asphalt Crack Treatment/Localized Repairs	LM	275	S	20	\$	5,50
2.05	Supply and Install Concrete 250mm Standard Curb and Gutter	LM	120	\$	120	\$	14,40
2.06	Supply and Install Concrete Islands	LS	1	\$	9,500	\$	9,50
2.00	New Pavement Markings	LS	1	\$	5,000	\$	5,00
2.00				-		-	
	Electrical Works						
2.07	Electrical Works Electrical - Feed to Light Standards c.w. Junction Boxes, Cable etc.	LM	35	s	150	\$	5,25
2.07 3.00		LM EA	35 2	s s	150 10,000	\$ \$	5,25 20,00

Parking Lot Rehabilitation Phase 2 (58 Stalls)

Total		-			Estimate of Probable Costs Summary	Item
10,00	\$				General Requirements	1.00
57,22	\$				Civil Works	2.00
25,25	\$				Electrical Works	3.00
9,247.5	\$ 10%				Estimated Engineering Costs - Design and Construction Management	
23,118.7	\$ 25%				Project Contingencies	
124,84	\$				Total Estimate of Probable Costs	
Total Price	nit Price	Ur	Est Quantity	Unit	Description	Item
				2	General Requirements	1.00
10,00	\$ 10,000	\$	1	Lump Sum	Temporary Facilities - Mobilization, Demobilization, Trailers, Survey Layout, As-Built Survey, Utility Locates, Temporary Fencing etc.	1.01
10,00	\$ uirements	al Req	total Genera	Sub		
					Parking Lot Rehabilitation Phase 2 (58 Stalls)	
					Civil Works	2.00
10,50	\$ 6	\$	1,750	m²	Cold Milling including Butt Joints c/w Disposal of Millings On-Site - 50mm	2.01
1,75	\$ 1	\$	1,750	m²	Asphalt Tack Coat	2.02
26,87	\$ 125.00	\$	215	т	Hot Mix Asphalt Paving - 50 mm thick	2.03
5,60	\$ 20	S	280	LM	Asphalt Crack Treatment/Localized Repairs	2.04
3,00	\$ 120	\$	25	LM	Supply and Install Concrete 250mm Standard Curb and Gutter	2.05
4,50	\$ 4,500	\$	1	LS	Supply and Install Concrete Islands	2.06
5,00	\$ 5,000	\$	1	LS	New Pavement Markings	2.07
					Electrical Works	3.00
5,25	\$ 150	S	35	LM	Electrical - Feed to Light Standards c.w. Junction Boxes, Cable etc.	3.01
20,00	\$ 10,000	\$	2	EA	Light Pole, Light Fixtures, and Base	3.02
82,47	\$ ite Works	tal Si	Subto			

1.0 The above estimates are based on conceptual layout and design information. Quantities and costs are subject to change during preliminary and detailed design phases.

2.0 The access road and parking lot rehabilitation are based on the pavement assessment recommendation of an asphalt overlay. The pavement structure is subject to change during preliminary and detailed design phases.

3.0 Temporary Facilities are based on an estimate of 10% of the 'Subtotal Site Works'.

4.0 This estimate of probable costs is provided for budgetary purposes only. It is not to be interpreted as a guarantee by Tetra Tech of the actual project costs. The actual project cost shall be determined by the tender and construction process.

Term	Coola Airport Master Plan nal Building Expansion Costs							
Construction Costs	Area (ft2)	Unit Cost/ft2						
Building Expansion (1,250 ft2 (116 m2)), ope	1,250	\$250	\$312,500	Higher un public are				
Open area on west end enclosed (1,109 ft2 (103 m2))	1,109	\$150		Assume a basic finis				
Building IT	1	LS	\$10,000					
Baggage Handling Equipment	1	LS	\$10,000					
Total Construction			\$498,850					
General Requirements								
Contractors General Requirements (12%)			\$59,862					
Contractors Fee (4%)			\$19,954					
Design Evolution and Pricing (10%)			\$49,885					
Change order Allowance (5%)			\$24,943					
Architectural/Engineering Fees (15%)			\$74,828					
Survey			\$2,000					
Geotechnical			\$5,000					
Total General Requirements			\$236,471					
Related Costs								
Moving furniture, fittings, equipment			\$12,000					
Commissioning Costs (1.5% of construction)			\$8,500					
Total Related Costs			\$20,500					
Total Terminal Expansion Related Costs			\$755,821					
			\$756,000					

Terminal Costs2 xlsx

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Bella Coola Airport Master Plan Berm Removal Estimate

Item	Description	Quantity	Unit Cost (\$)		Total Cost
1	Strip Top Soil - D6 Dozer	30	\$160.00	AF	\$4,800
2	Remove Barb Wire Fencing - 2 man crew for 2 days	40	\$30	AF	\$1,200
3	Hoe Chuck Coarse Rock from Top of Berm - Excavator	50	\$150	AF	\$7,500
4	Knock down trees, grubbing 800m - Excavator	100	\$150	AF	\$15,000
5	Push Berm (4984m3 or 800mx10m) - D6 Dozer 40m/day	200	\$160	AF	\$32,000
6	Spread Top Soil - D6 Dozer	20	\$160	AF	\$3,200
7	Rock Picking with Skid Steer	50	\$100.00	AF	\$5,000
8	Seed and roll - tractor	16	\$140.00	AF	\$2,240
9	Project Supervision - D.F. 20 half days+Truck	80	\$60.00	AF	\$4,800
10	Biologist Assessment and recommendations 2 days	1	\$1,500.00	AF	\$1,500
		0		AF	\$0
	Subtotal				\$77,240
	Mobilization & Demobilization&Shipping	0	0		\$0
	Contingency and other items	20%			\$15,448
	Engineering and construction management	0%			\$0
	Grand Total				\$92,688