
ADDENDUM NO. 1

The Contract Documents for this work are revised as noted herein. All such revisions become a part of the work and shall be included in your tender. No consideration will be allowed for extras due to the tenderer not being familiar with this addendum. Acknowledgement of this Addendum must be noted in your tender submission.

1. REFERENCE: ALL REFERENCES TO CLOSING DATE AND TIME

DELETE: 2:00:00 PM Pacific Standard Time (PST) February 17, 2022

REPLACE WITH: 2:00:00 PM Pacific Standard Time (PST) March 2, 2022

2. REFERENCE: SPECIFICATIONS SECTION 34 43 10 AIRFIELD LIGHTING GENERAL

REVISE: Item 1.7 – Qualifications

Sub-Item .2 is revised to read:

The airfield electrical contractor/sub-contractor's ~~and~~ assigned electrical site superintendent shall have a minimum 3 projects within last 5 years working on airport electrical system projects (construction, minimum electrical project values of \$100,000 each) and with the following airport lighting equipment / systems: constant current regulators, series circuit installation, navigational aids, elevated edge lighting, approach lighting. **Where a contractor/sub-contractor may not have personnel in house with the requested experience, they may retain the services of a qualified site superintendent, with relevant airfield lighting experience, who will be on-site at all times, and be responsible for all airfield lighting/electrical works on behalf of the contractor/sub-contractor.**

3. REFERENCE: SPECIFICATIONS SECTION 31 05 16 AGGREGATE MATERIALS

ADD: PART 2 – PRODUCTS

Item 2 – Materials

Add Sub-Item .2.7:

.7 Common fill shall conform to the following (equivalent to BC MOTI SGSB):

Metric Sieve Sizes	% Passing by Weight
75 mm	100
50 mm	–
25 mm	–
19 mm	15 – 100
9.5 mm	0 – 100
4.75 mm	–
2.36 mm	–
1.18 mm	–
0.600 mm	0 – 100
0.300 mm	0 – 15
0.075 mm	0 – 5

.1 To be well-graded granular material, substantially free from clay lumps, organic matter, and other extraneous material, screened to remove all stones in excess of maximum diameter specified in material description.

4. REFERENCE: SECTION 00300, APPENDICES TO TENDER FORM

DELETE: APPENDIX "C" TO TENDER FORM in its entirety

REPLACE WITH: APPENDIX "C" TO TENDER FORM ADDENDUM No. 1 (attached)

5. REFERENCE: SECTION 00300, APPENDICES TO TENDER FORM

DELETE: APPENDIX "D" TO TENDER FORM in its entirety

REPLACE WITH: APPENDIX "D" TO TENDER FORM ADDENDUM No. 1 (attached)

6. REFERENCE: CONTRACT DRAWING EDE1 - ELECTRICAL DETAILS SHEET 1 OF 6

REVISE: Drawing notes for PARKING RECEPTACLES KIOSK ENCLOSURE detail to read the following:

1. KIOSK TO BE NEMA 4, ALUMINUM, INSULATED, C/W GASKETTED DOORS. THE STRUCTURE SHALL BE FREESTANDING AND CAPABLE OF WITHSTANDING WIND, SNOW AND ICE LOADING IN ACCORDANCE WITH BUILDING CODE. ARRANGEMENT OF DOORS AND JAMB SHALL ALLOW UNOBSTRUCTED ACCESS TO ELECTRICAL EQUIPMENT IN THE ENCLOSURE. DOOR JAMB MUST NOT PREVENT OPENING OF THE HINGED DOORS OF THE ELECTRICAL EQUIPMENT.
2. ~~THE KIOSK SHALL INCLUDE INTERNAL THERMOSTAT(S) AND HEATER(S) TO MAINTAIN AN ADEQUATE OPERATING TEMPERATURE FOR INTERNAL ELECTRONICS AND TO KEEP THE INTERNAL ENVIRONMENT DRY.~~
3. ~~THE KIOSK SHALL INCLUDE INTERNAL LIGHTING AND CONVENIENCE RECEPTACLES.~~
4. ~~THE KIOSK IS TO BE DOUBLE SIDED AND HAS SEPARATE SECTIONS /SIDES (FRONT AND BACK) FOR 347 / 600V AND 120 / 208V.~~
5. ~~PROVIDE NAME PLATES ON EACH SIDE FOR 347 / 600V AND 120 / 208V SERVICE. REVIEW NAME PLATES WITH OWNER / CONSULTANT PRIOR TO INSTALLATION.~~
6. ~~PROVIDE MINIMUM 4 - 50mm RPVC CONDUIT STUBS (SPARE - FOR FUTURE USE). FROM 120 / 208V SIDE, AND 2 - 50mm RPVC CONDUIT STUBS (SPARE - FOR FUTURE USE) FROM 347 / 600V SIDE.~~
7. KIOSK BASE DESIGN IS SCHEMATIC.

7. REFERENCE: CONTRACT LINE ITEM 9.13 – NEW AIRCRAFT RECEPTABLE KIOSK

ADD: Requirements for the aircraft receptacle kiosk are amended as follows:

The existing power feed for the existing receptacle panel is a 3C#6 TECK cable fed from the main terminal building general power panel, Tub B, circuits 60/62, 2P-60A breaker, 120/208V. The existing feed extends to a pullpit in the field, which the existing receptacle panel is mounted on. The existing power feed is to be re-used. The new aircraft receptacle kiosk is to be mounted adjacent to the existing pullpit, with the existing power cable extended to the new panel. The new kiosk shall include a distribution panel with 2P-60A Main breaker, and branch breakers for each duplex receptacle. Allow for minimum four (4) spaces in distribution panel for addition of future circuits.

8. REFERENCE: GENERAL

ADD: Question and Answer No. 1 (attached)

9. REFERENCE: GENERAL

ADD: Pre-Tender Meeting Attendance Sheet (attached)

END OF ADDENDUM NO. 1

QUESTION AND ANSWER NO. 1

Q.1	Is there sufficient space in the FEC should an additional regulator or two be required based on the approach lighting system selected by the Owner?
A.1	The existing regulators in the FEC will be reused and there is sufficient space in the FEC for an additional one or two regulators if required.
Q.2	Section 34 43 10 1.7.2 states that: " The airfield electrical contractor/sub-contractor and assigned electrical site superintendent shall have a minimum 3 projects within last 5 years working on airport electrical system projects (construction, minimum electrical project values of \$100,000 each) and with the following airport lighting equipment / systems: constant current regulators, series circuit installation, navigational aids, elevated edge lighting, approach lighting." Would an electrical contractor who does not meet the qualification requirements be disqualified?
A.2	Qualification requirements have been modified, refer to Addendum No. 1.
Q.3	Is there a list of plan takers for the tender?
A.3	There is no plan taker list for this tender. However, the Pre-Tender Meeting Attendance Sheet is attached in Addendum No. 1.
Q.4	What is the gradation/material requirements for the common fill? Would a material equivalent to BC MOTI SGSB be acceptable?
A.4	Please refer to Addendum No. 1. A material equivalent to BC MOTI SGSB would be acceptable.
Q.5	Will the Consultant consider 98% Standard Proctor for the shoulder compaction instead of 98% Modified Proctor?
A.5	98% Standard Proctor for the shoulder compaction instead of 98% Modified Proctor is acceptable.
Q.6	Is there an existing water (If yes, what is the estimated gallons per minute) & power supply available for use to the successful contractor?
A.6	There is a fire hydrant located near the maintenance shop. There are some electrical receptacles located on the exterior of the maintenance shop, however it is anticipated that the successful proponent would also bring their own generators.
Q.7	Based on a google earth image, the existing runway/taxiway shows signs of significant cracking. Some delineation of the cracks to be repaired is required to get an accurate cost/production rate. (i.e., are there many short cracks (0-10m) or fewer but longer ones (30 to 45m).
A.7	Only the worst cracks identified on site to be repaired, up to the tender quantity limits. It is our assumption that the majority of these cracks will be transverse, spanning across the entire 45m wide runway width and 23m wide taxiway width.
Q.8	Please provide feedback for the reason behind the successful proponent not being able to work past midnight. Will the Consultant allow the successful

	proponent beyond midnight in times where commercial air traffic is not present?
A.8	Work past midnight is acceptable given that the work is performed according to the contract specifications.
Q.9	Will EP2000 be allowed as an equivalent product for Asphalt Tack?
A.9	Yes, this product is acceptable.
Q.10	Please show on the drawings areas/layout of the fencing that needs to be removed, and new fencing that needs to be installed.
A.10	Approximately 60m of existing 4' fencing removals (Options B, C, or D). Please refer to electrical drawings for the number of groundside lights which will required for each approach lighting option. Option B – MALS: 4 groundside light locations / gates Option C – MALSF: 4 groundside light locations / gates Option D – MALSR: 9 groundside light locations / gates
Q.11	RAIL Height A.F.G and Ground Elevation is currently marked as TBD on the Electrical Drawings. Can you please confirm these measurements as this will affect the mounting support and the material package. If RAIL positions are short, the power convertor cannot be mounted on the uprights. In this case, please confirm the location of the power convertor and how it is to be mounted (concrete, transition plate and pile).
A.11	For the 13 RAILS and 31 RAILS, for pricing purposes please assume that RAIL#1 to #5 will be tower mounted units 1.2-1.5m high. Final ground elevations and actual heights will be confirmed after the contract has been awarded, and the contractor has supplied the approach survey info.
Q.12	The Electrical Drawings do not show a detailed drawing for MALS/MALSF/MALSR "Co-Mounted" Steady Burn Lights. Please confirm if the lights are to be individually pipe mounted, on a short 2 or 3-legged crossarm and depending on these options, whether they are to be stake mounted (2" RGS or angle mount) or on transition plate and steel helical pile (or other).
A.12	For the co-mounted steady burning lights, please price these as being mounted on a short 2 or 3 leg crossarm, with transition plate and helical pile foundation.
Q.13	Position 5C, 6 and 7 are very short. The power convertor cannot be mounted on the uprights. Please confirm the location of the power convertor and how it is to be mounted (concrete, transition plate and pile).
A.13	The strobe power converter can be mounted adjacent to the light bars (to the right or left of the bar). Please include for mounting the power converter on a transition plate with helical pile.
Q.14	Has the existing edge light cabling been replaced with #8 3kV cable or #8 5kV cable?
A.14	The "#8 3kV" shown (and on any other instances on the drawings) is a typo. All airfield lighting cable for this project shall be "#8 5kV".

END OF QUESTION AND ANSWER NO 1.

APPENDIX "C" to Tender Form

Tender Submitted by: _____

Schedule of Contract Unit Prices

1.00	NMS REF.	General Construction Items	Unit	Quantity	Unit Price	Total
1.01	01 35 13.13 1.4.1	Mobilization / Demobilization / Permits / Facilities / Bonding / Insurance / Reflective Low Barricades & Red Lights / Access Control Guard / Quality Control / Project Sign / Night Lighting / Protect Existing Manholes / New Retroreflective Road Holding Position Sign	LS	1		
1.02	01 71 00 1.2.1	Construction & As-built Surveys, Locates, New Survey Monuments, and Operations & Maintenance Manuals	LS	1		
1.03	01 21 00 1.1.8.1	Allowance for Airside Security Escort	ALLOW	1	\$50,000	\$50,000
1.04	01 21 00 1.1.8.2	Rejuvenating Agent	ALLOW	1	\$75,000	\$75,000
1.05	01 21 00 1.1.8.3	Standby Time	ALLOW	1	\$75,000	\$75,000
1.06	01 21 00 1.1.8.4	Repair of Existing Collapsed Manhole	ALLOW	1	\$10,000	\$10,000
1.07	01 21 00 1.1.8.5	Tree Clearing	ALLOW	1	\$15,000	\$15,000
Sub-Total Section 1.0						
2.00	NMS REF.	Runway 13-31 Rehabilitation: HIPR and HMAC Overlay	Unit	Quantity	Unit Price	Total
2.01	02 41 13.14 1.3.2	PROVISIONAL WORK: Crack Treatments Before HIPR	LM	1,900		

2.02	02 41 13.14 1.3.1	Remove Existing Runway Asphalt by Cold Milling Full Depth and Stockpile Millings at Stockpile Location On-Site - Approximately 175mm Thick	M2	25,360		
2.03	02 41 13.14 1.3.1	Remove Existing Asphalt Blastpads by Cold Milling Full Depth and Stockpile Millings at Stockpile Location On-Site - Approximately 65mm Thick	M2	1,740		
2.04	32 12 16.03 1.3.1	HIPR - 55mm Depth 45m Runway Width	M2	74,570		
2.05	32 12 16.03 1.3.3	Admix (20%) 45m Runway Width	Tonne	1,940		
2.06	32 12 13.16 1.4.1	Asphalt Tack Coat	M2	77,000		
2.07	32 12 16 1.4.2	HMAC Base Course Mix for Asphalt Fill Location	M3	137		
2.08	32 12 16 1.4.1	HMAC Surface Course Mix - 60mm Compacted Thickness for 45m Runway Width	M2	74,570		
2.09	31 22 14 1.2.1	Supply and Install Compacted Common Fill 7.98m Width - Average 146mm Thick	M3	3,700		
2.10	32 91 19.13 1.3.1	Supply and Install Topsoil (Average 100mm Thick)	M2	29,350		
2.11	32 91 19.13 1.3.1	Supply and Install Topsoil (20-70mm Thick) to Tie to Existing Ground	M2	150		
2.12	32 92 19.16 1.3.1	Hydroseeding	M2	29,500		

2.13	33 05 13 1.3.1	Raise Existing Manhole Rim to Match New Grades	EA	3		
2.14	32 17 23 1.5.1	Temporary and New Permanent Pavement Markings	LS	1		
Sub-Total Section 2.0						
3.00	NMS REF.	Runway 31 PCC Rehabilitation and HMAC Overlay	Unit	Quantity	Unit Price	Total
3.01	02 41 13 1.3.1	Sawcut and Remove Existing Reinforced PCC Panels Full Depth and Dispose Off Site - Approximately 230mm Thick	M2	760		
3.02	03 30 00 1.3.1	Sawcut, Partial Depth Concrete Panel Repairs	M2	95		
3.03	32 12 13.16 1.4.1	Asphalt Tack Coat	M2	7,600		
3.04	32 12 16 1.4.1	HMAC Surface Course Mix - 71mm Compacted Thickness	M2	7,600		
3.05	32 01 18 1.2.1	Sawcut, Rout and Seal Above PCC Cracks	LM	3,300		
3.06	31 22 14 1.2.1	Supply and Install Compacted Common Fill 7.98m Width - Average 200mm Thick	M3	150		
Sub-Total Section 3.0						
4.00	NMS REF.	Mill/Pave Taxiway A	Unit	Quantity	Unit Price	Total
4.01	02 41 13.14 1.3.1	Cold Milling Variable Depth (10mm - 65mm) and Stockpile Millings at Stockpile Location On-Site	M2	360		
4.02	02 41 13.14 1.3.1	Cold Milling 10mm Depth and Stockpile Millings at Stockpile Location On-Site	M2	4,390		

4.03	02 41 13.14 1.3.2	PROVISIONAL WORK: Taxiway A Crack Treatments After Milling	LM	200			
4.04	32 12 13.16 1.4.1	Asphalt Tack	M2	4,900			
4.05	32 12 16 1.4.2	HMAC Base Course Mix for Variable Depth Paving Areas	M3	4			
4.06	32 12 16 1.4.1	HMAC Surface Course Mix - 65mm Compacted Thickness	M2	4,740			
4.07	32 91 19.13 1.3.1	Supply and Install Topsoil (20-55mm Thick) to Tie to Existing Ground	M2	670			
4.08	32 92 19.16 1.3.1	Hydroseeding	M2	670			
4.09	33 05 13 1.3.1	Raise Existing Manhole Rim to Match New Grades	EA	6			
4.10	32 17 23 1.5.1	Temporary and New Permanent Pavement Markings	LS	1			
		Sub-Total Section 4.0					
5.00	NMS REF.	Mill/Pave Apron I Asphalt	Unit	Quantity	Unit Price	Total	
5.01	02 41 13.14 1.3.1	Remove Existing Apron Asphalt by Cold Milling Full Depth and Stockpile Millings at Stockpile Location On- Site - Approximately 100mm Thick	M2	2,140			
5.02	32 11 23 1.3.3	Water and Compact Existing Granular Base	M2	2,140			
5.03	32 12 13.16 1.4.1	Asphalt Tack	M2	2,140			
5.04	32 12 16 1.4.1	HMAC Surface Course Mix - 100mm Compacted Thickness (Placed in 2-50mm Lifts)	M2	2,140			

		Sub-Total Section 5.0				
6.00	NMS REF.	Apron I PCC Rehabilitation	Unit	Quantity	Unit Price	Total
6.01	03 30 00 1.3.2	Sawcut, Partial Depth Concrete Panel Repairs	M2	40		
6.02	03 30 20 1.4.1	Remove Existing Joint Sealant, Sawcut and Seal PCC/PCC and PCC/HMAC Joints	LM	1,400		
6.03	32 17 23 1.5.1	New Permanent Pavement Marking	LS	1		
		Sub-Total Section 6.0				
7.00A	NMS REF.	Civil PROVISIONAL Items Option A: ODALS	Unit	Quantity	Unit Price	Total
7.01A	32 11 23 1.3.1	Supply and Install Granular Base for Blastpads - 70mm Thick	M3	90		
7.02A	32 12 16 1.4.1	HMAC Surface Course Mix - 65mm Compacted Thickness for Blastpads	M2	1,280		
		Sub-Total Section 7.0A				
7.00B	NMS REF.	Civil PROVISIONAL Items Option B: MALS	Unit	Quantity	Unit Price	Total
7.01B	32 91 19.13 1.3.1	Supply and Install Topsoil (100mm - 136mm Thick) for Removed Blastpad Areas	M2	1,280		
7.02B	32 92 19.16 1.3.1	Hydroseeding	M2	1,280		
7.03B	02 41 13 1.3.2	Remove Existing Chain Link Security Fence Surrounding Existing Runway 13 Groundside ODALS and Dispose Off Site	LS	1		

7.04B	32 31 13 1.3.1	Supply and Install New 1.22m High Chain Link Fence c/w Barbed Wire and 1.83m Wide Gate Around Each New MALS Groundside Light	LM	120		
Sub-Total Section 7.0B						
7.00C	NMS REF.	Civil PROVISIONAL Items Option C: MALSF	Unit	Quantity	Unit Price	Total
7.01C	32 91 19.13 1.3.1	Supply and Install Topsoil (100mm - 136mm Thick) for Removed Blastpad Areas	M2	1,280		
7.02C	32 92 19.16 1.3.1	Hydroseeding	M2	1,280		
7.03C	02 41 13 1.3.2	Remove Existing Chain Link Security Fence Surrounding Existing Runway 13 Groundside ODALS and Dispose Off Site	LS	1		
7.04C	32 31 13 1.3.1	Supply and Install New 1.22m High Chain Link Fence c/w Barbed Wire and 1.83m Wide Gate Around Each New MALSF Groundside Light	LM	120		
Sub-Total Section 7.0C						
7.00D	NMS REF.	Civil PROVISIONAL Items Option D: MALS R	Unit	Quantity	Unit Price	Total
7.01D	32 91 19.13 1.3.1	Supply and Install Topsoil (100mm - 136mm Thick) for Removed Blastpad Areas	M2	1,280		
7.02D	32 92 19.16 1.3.1	Hydroseeding	M2	1,280		

7.03D	02 41 13 1.3.2	Remove Existing Chain Link Security Fence Surrounding Existing Runway 13 Groundside ODALS and Dispose Off Site	LS	1		
7.04D	32 31 13 1.3.1	Supply and Install New 1.22m High Chain Link Fence c/w Barbed Wire and 1.83m Wide Gate Around Each New MALSR Groundside Light	LM	170		
Sub-Total Section 7.0D						
8.00	NMS REF.	Electrical General Items	Unit	Quantity	Unit Price	Total
8.01	26 05 00 1.6.2	Electrical Mobilization / Demobilization / General Conditions / Etc.	LS	1		
8.02	34 43 10 1.6.5	Locate, mark on site, and record location of all existing underground cables / utilities that could be disturbed during construction.	LS	1		
8.03	26 05 00 1.6.4	Site clean-up/restoration.	LS	1		
8.04	34 43 10 1.6.3	Conduct testing & commissioning.	LS	1		
8.05	26 05 00 1.6.3	Submit Record Drawings and O&M Manuals	LS	1		
8.06	26 05 00 1.6.5	Spare Parts (Allowance)	LS	1		
Sub-Total Section 8.0						
9.00	NMS REF.	Airfield Lighting Rehabilitation	Unit	Quantity	Unit Price	Total
9.01	34 43 13.19 1.2.1	Remove and Re-install existing elevated runway edge light on new stake c/w sawcut/trenching (as required), and	EA	50		

		extended secondary cable/conduit.				
9.02	34 43 13.19 1.2.1	Remove and Re-install existing threshold/end light on new stake c/w sawcut/trenching (as required), and extended secondary cable.	EA	16		
9.03	34 43 16.36 1.5.1	Relocate, reinstall, and reconnect Runway 13 PAPI System	LS	1		
9.04	34 43 16.36 1.5.1	Relocate, reinstall, and reconnect Runway 31 PAPI System	LS	1		
9.05	34 43 10 1.6.2	Supply, install, and connect new pullpit lid (no hub).	EA	51		
9.06	26 05 43.01 1.3.1	Supply, install, and connect 1-1/C, #8, 5kV ASLC in existing or new duct.	LM	10,800		
9.07	34 43 10.01 1.3.1	Supply, install, and connect new illuminated airfield sign.	EA	6		
9.08	34 43 13.19 1.2.2	Supply, install, and connect new elevated taxiway edge light on stake c/w new secondary conduit/cabling and series isolating transformer. (Runway/Taxiway Intersection or Turning Bay)	EA	13		
9.09	34 43 13.19 1.2.2	Supply, install, and connect new elevated taxiway edge light on stake c/w new secondary conduit/cabling and series isolating transformer. (Apron)	EA	6		
9.10	34 43 10 1.6.7	Supply, install, and connect new Illuminated Windsock.	LS	3		

9.11	34 43 10 1.6.6	Provisions for maintaining airfield lighting systems operational during construction.	LS	1		
9.12	34 43 10 1.6.4	Electrical removals	LS	1		
9.13	34 43 10 1.6.8	Supply, install, and connect new Aircraft Receptacle Kiosk.	LS	1		
9.14	34 43 13.19 1.2.3	Replace existing runway edge light lens with white/yellow lens.	EA	35		
9.15	34 43 10 1.6.1	Supply, install, and connect new pullpit.	EA	34		
Sub-Total Section 9.0						
10.00A	NMS REF.	PROVISIONAL Runway Approach Lighting System Rehabilitation Option A: ODALS	Unit	Quantity	Unit Price	Total
Runway 13 ODALS (Option A)						
10.01A	33 65 76 1.4.1	Trenching c/w 2-50mm RPVC Ducts (1 Power, 1 Comm), c/w ground counterpoise for ODALS Approaches Only	LM	525		
10.02A	26 05 43.01 1.3.1	Supply, install, and connect 1-1/C, #8, 5kV ASLC in existing or new duct.	LM	3,000		
10.03A	26 05 43.01 1.3.1	Supply, install, and connect 2C#14 Sync Cable for ODALS in new duct.	LM	525		
10.04A	34 43 16.26 1.4.1	Supply, install, and connect new Runway 13 ODALS System	LS	1		
10.05A	34 43 10 1.6.1	Supply, install, and connect new pullpit.	EA	14		
Runway 31 ODALS (Option A)						
10.06A	33 65 76 1.4.1	Trenching c/w 2-50mm RPVC Ducts (1 Power,	LM	525		

		1 Comm), c/w ground counterpoise for ODALS Approaches Only					
10.07A	26 05 43.01 1.3.1	Supply, install, and connect 1-1/C, #8, 5kV ASLC in existing or new duct.	LM	3,200			
10.08A	26 05 43.01 1.3.1	Supply, install, and connect 2C#14 Sync Cable for ODALS in new duct.	LM	525			
10.09A	34 43 16.26 1.4.1	Supply, install, and connect new Runway 31 ODALS System	LS	1			
10.10A	34 43 10 1.6.1	Supply, install, and connect new pullpit.	EA	14			
		Sub-Total Section 10.0A					
10.00B	NMS REF.	PROVISIONAL Runway Approach Lighting System Rehabilitation Option B: MALS	Unit	Quantity	Unit Price	Total	
		Runway 13 MALS (Option B)					
10.01B	34 43 16.34 1.2.1	Supply, install, and connect new Runway 13 MALS System	LS	1			
10.02B	33 65 76 1.4.1	Trenching c/w 1-50mm RPVC Ducts (1 Power), c/w ground counterpoise	LM	450			
10.03B	26 05 43.01 1.3.1	Supply, install, and connect 1-1/C, #8, 5kV ASLC in existing or new duct.	LM	2,940			
10.04B	34 43 10 1.6.1	Supply, install, and connect new pullpit.	EA	21			
		Runway 31 MALS (Option B)					
10.05B	34 43 16.34 1.2.1	Supply, install, and connect new Runway 31 MALS System	LS	1			
10.06B	33 65 76 1.4.1	Trenching c/w 1-50mm RPVC Ducts (1 Power), c/w ground	LM	450			

		counterpoise				
10.07B	26 05 43.01 1.3.1	Supply, install, and connect 1-1/C, #8, 5kV ASLC in existing or new duct.	LM	3,140		
10.08B	34 43 10 1.6.1	Supply, install, and connect new pullpit.	EA	21		
Sub-Total Section 10.0B						
10.00C	NMS REF.	PROVISIONAL Runway Approach Lighting System Rehabilitation Option C: MALSF	Unit	Quantity	Unit Price	Total
Runway 13 MALSF (Option C)						
10.01C	34 43 16.34 1.2.1	Supply, install, and connect new Runway 13 MALS Steady Burn System	LS	1		
10.02C	33 65 76 1.4.1	Trenching c/w 1-50mm RPVC Ducts (1 Power), c/w ground counterpoise	LM	320		
10.03C	33 65 76 1.4.1	Trenching c/w 2-50mm RPVC Ducts (1 Power, 1 Comm), c/w ground counterpoise for MALSF	LM	130		
10.04C	26 05 43.01 1.3.1	Supply, install, and connect 1-1/C, #8, 5kV ASLC in existing or new duct.	LM	5,880		
10.05C	26 05 43.01 1.3.1	Supply, install, and connect 2C#14 Sync Cable for Strobes in new duct.	LM	130		
10.06C	34 43 16.34 1.2.1	Supply, install, and connect Runway 13 strobes (3) for MALSF approach lighting.	LS	1		
10.07C	34 43 26.23 1.7.1	Supply, install, and connect new CCR in FEC	EA	1		
10.08C	34 43 10 1.6.1	Supply, install, and connect new pullpit.	EA	24		

Runway 31 MALSF (Option C)						
10.09C	34 43 16.34 1.2.1	Supply, install, and connect new Runway 31 MALS Steady Burn System	LS	1		
10.10C	33 65 76 1.4.1	Trenching c/w 1-50mm RPVC Ducts (1 Power), c/w ground counterpoise	LM	320		
10.11C	33 65 76 1.4.1	Trenching c/w 2-50mm RPVC Ducts (1 Power, 1 Comm), c/w ground counterpoise for MALSF	LM	130		
10.12C	26 05 43.01 1.3.1	Supply, install, and connect 1-1/C, #8, 5kV ASLC in existing or new duct.	LM	6,280		
10.13C	26 05 43.01 1.3.1	Supply, install, and connect 2C#14 Sync Cable for Strobes in new duct.	LM	130		
10.14C	34 43 16.34 1.2.1	Supply, install, and connect Runway 31 strobes (3) for MALSF approach lighting.	LS	1		
10.15C	34 43 26.23 1.7.1	Supply, install, and connect new CCR in FEC	EA	1		
10.16C	34 43 10 1.6.1	Supply, install, and connect new pullpit.	EA	24		
Sub-Total Section 10.0C						
10.00D	NMS REF.	PROVISIONAL Runway Approach Lighting System Rehabilitation Option D: MALSR	Unit	Quantity	Unit Price	Total
Runway 13 MALSR (Option D)						
10.01D	34 43 16.34 1.2.1	Supply, install, and connect new Runway 13 MALS Steady Burn System	LS	1		
10.02D	33 65 76 1.4.1	Trenching c/w 1-50mm RPVC Ducts (1	LM	500		

		Power), c/w ground counterpoise				
10.03D	33 65 76 1.4.1	Trenching c/w 2-50mm RPVC Ducts (1 Power, 1 Comm), c/w ground counterpoise for MALSF	LM	260		
10.04D	26 05 43.01 1.3.1	Supply, install, and connect 1-1/C, #8, 5kV ASLC in existing or new duct.	LM	7,480		
10.05D	26 05 43.01 1.3.1	Supply, install, and connect 2C#14 Sync Cable for Strobes in new duct.	LM	260		
10.06D	34 43 16.34 1.2.1	Supply, install, and connect Runway 13 RAIL Strobes (5) for MALS approach lighting.	LS	1		
10.07D	34 43 26.23 1.7.1	Supply, install, and connect new CCR in FEC	EA	1		
10.08D	34 43 10 1.6.1	Supply, install, and connect new pullpit.	EA	31		
Runway 31 MALS (Option D)						
10.09D	34 43 16.34 1.2.1	Supply, install, and connect new Runway 31 MALS Steady Burn System	LS	1		
10.10D	33 65 76 1.4.1	Trenching c/w 1-50mm RPVC Ducts (1 Power), c/w ground counterpoise	LM	500		
10.11D	33 65 76 1.4.1	Trenching c/w 2-50mm RPVC Ducts (1 Power, 1 Comm), c/w ground counterpoise for MALSF	LM	260		
10.12D	26 05 43.01 1.3.1	Supply, install, and connect 1-1/C, #8, 5kV ASLC in existing or new duct.	LM	7,880		
10.13D	26 05 43.01 1.3.1	Supply, install, and connect 2C#14 Sync Cable for Strobes in	LM	260		

		new duct.				
10.14D	34 43 16.34 1.2.1	Supply, install, and connect Runway 31 RAIL Strobes (5) for MALSR approach lighting.	LS	1		
10.15D	34 43 26.23 1.7.1	Supply, install, and connect new CCR in FEC	EA	1		
10.16D	34 43 10 1.6.1	Supply, install, and connect new pullpit.	EA	31		
Sub-Total Section 10.0D						
11.00	NMS REF.	PROVISIONAL Electrical Items	Unit	Quantity	Unit Price	Total
11.01	34 43 10.01 1.3.1	Supply, install, and connect new illuminated airfield sign. (Taxiway B)	EA	2		
11.02	34 43 10 1.6.9	Supply, install, and connect new RGL Unit.	EA	2		
11.03	34 43 10 1.6.1	Supply, install, and connect new pullpit.	EA	4		
11.04	34 43 13.19 1.2.4	Supply and install retro-reflective taxiway edge marker.	EA	8		
Sub-Total Section 11.0						

Option A Total (Sections 1 – 6, 7A, 8, 9, 10A, 11)	\$
GST (5%)	\$
Option A Total Estimated Contract Price with GST	\$
Option B Total (Sections 1 – 6, 7B, 8, 9, 10B, 11)	\$
GST (5%)	\$
Option B Total Estimated Contract Price with GST	\$
Option C Total (Sections 1 – 6, 7C, 8, 9, 10C, 11)	\$
GST (5%)	\$
Option C Total Estimated Contract Price with GST	\$
Option D Total (Sections 1 – 6, 7D, 8, 9, 10D, 11)	\$
GST (5%)	\$
Option D Total Estimated Contract Price with GST	\$
Bidders Signature:	
Bidders Address:	
Bidders Telephone:	

APPENDIX "D" to Tender Form

Tender
Submitted by: _____

GENERAL CONTRACTOR'S QUALIFICATIONS

The Contractor states that the following is a true account of its qualifications and experience on Work similar to the Work in this project.

<u>Construction</u> <u>Project</u>	<u>Year</u>	<u>Cost</u>	<u>Consulting</u> <u>Engineer</u>
---------------------------------------	-------------	-------------	--------------------------------------

**Name of Site
Superintendent:** _____

Experience:

Dates: _____

Project Name: _____

Responsibility: _____

References: _____

Dates: _____

Project Name: _____

Responsibility: _____

References: _____

Dates: _____

Project Name: _____

Responsibility: _____

References: _____

ELECTRICAL CONTRACTOR'S QUALIFICATIONS

The airfield electrical contractor/sub-contractor's assigned electrical site superintendent shall have a minimum 3 projects within last 5 years working on airport electrical system projects (construction, minimum electrical project values of \$100,000 each) and with the following airport lighting equipment / systems: constant current regulators, series circuit installation, navigational aids, elevated edge lighting, approach lighting. Where a contractor/sub-contractor may not have personnel in house with the requested experience, they may retain the services of a qualified site superintendent, with relevant airfield lighting experience, who will be on-site at all times, and be responsible for all airfield lighting/electrical works on behalf of the contractor/sub-contractor.

The Contractor states that the following is a true account of its qualifications and experience on Work similar to the Work in this project.

Construction
Project

Year

Cost

Consulting
Engineer

**Name of
Electrical Site
Superintendent:**

Experience:

Dates:

Project Name:

Responsibility:

References:

Dates:

Project Name:

Responsibility:

References:

Dates:

Project Name:

Responsibility:

References:

Project: YQZ Runway 13-31, Taxiway A and Apron I Rehab

Location: Quesnel Regional Airport

Date: Jan 27, 2022

Time: 10:00 PST

Name	Company	Email
Luke Allinson	Terus Construction Ltd. (dba: Quesnel Paving)	luke.allinson@terusconstruction.ca
Fred Fortin	Terus Construction Ltd. (dba: Quesnel Paving)	fred.fortin@terusconstruction.ca
Doug Coletti	Terus Construction Ltd. (dba: Quesnel Paving)	doug.coletti@terusconstruction.ca
Chen Yang	Terus Construction Ltd. (dba: Quesnel Paving)	chen.yang@terusconstruction.ca
Sharon Berghout	Empower Airport Systems Inc.	Sharon.Berghout@empowerairportsystems.com
Mike Fisher	Service Electric Ltd.	mike.fisher@serviceelectric.ca
Neal Klassen	Service Electric Ltd.	neal.klassen@serviceelectric.ca
Dave Gray	Houle Electric	dgray@houle.ca
Linden Smith (Absent)	IDL Projects Inc.	lsmith@idlprojects.com

Project: YQZ Runway 13-31, Taxiway A and Apron I Rehab

Location: Quesnel Regional Airport

Date: Jan 27, 2022

Time: 10:00 PST

Del Goodlet	IDL Projects Inc.	dgoodlet@idlprojects.com
Robert Bigham	IDL Projects Inc.	rbigham@idlprojects.com
Jon Pucek	C-2000 Construction	jpucek@c2000construction.com
Ike Lackey	Pivot Electric	pivotelectric@gmail.com