DISTRICT OF SUMMERLAND

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ADDENDUM NO. 1

to the

Contract Documents

for

Bentley Road Conductor Upgrade

To all Bidders: April 12, 2017

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the District of Summerland, Bentley Road Conductor Upgrade:

1. Change 3.1 Tender Closing Date:
   - from April 13, 2017
   - to April 20, 2017

2. Replace the Form of **Tender Schedule of Quantities and Prices** with the attached Schedule. Items EOI1 through EOI7 replace Labour only with Labour and Materials.

3. Questions and Answers attached.

All Bidders shall acknowledge receipt and acceptance of this Addendum by initialing each page in the space provided and submitting the initialed addendum with the bid. Bids submitted without this Addendum may be considered incomplete.

Yours truly,

Devon van der Meulen
Manager of Utilities

Bidders Initial: _____

FORM OF TENDER - APPENDIX 1

Bentley Road Conductor Upgrade

SCHEDULE OF QUANTITIES AND PRICES
(See paragraph 5.3.1 of the Instructions to Tender - Part II)

(All prices and Quotations including the Contract Price shall include all Taxes, but shall not include GST. GST shall be shown separately.)

District of Summerland - Bentley Road Upgrade (HR-2203)

Schedule of Quantities

Item #	Description	Unit of Measure	Estimated Quantity	(L) Labour (M) Materials	Unit Rate	Amount
CIVIL						
INSTALL						
CI1	Trench, backfill, restoration in boulevard	m	16	L & M		
CI2	Trench, backfill, restoration in asphalt	m	2	L & M		
CI3	4x75mm Power Primary Duct (DB2)	m	8	L & M		
CI4	5x75mm Power Primary Duct (DB2)	m	8	L & M		
CI5	1x75mm Shaw Duct	m	16	L & M		
CI6	3x100mm Telus Duct	m	8	L & M		

Tenderer's Initials _____

CI7	ES54 M1-01 BC Hydro Style Large Pilaster for Primary Duct	each	2	L & M		
CI8	ES54 M1-01 BC Hydro Style Small Pilaster for Secondary Duct	each	3	L & M		
CI9	1590-1 Concrete Service Box	each	1	L & M		
Sub-Total						

ELECTRICAL UNDERGROUND

SALVAGE

EUS1	3x#2CU PRIMARY CABLES	PULL	3	L		
EUS2	4/0 AL TRIPLEX CABLE	PULL	2	L		
EUS3	4 POINT 200A JUNCTION BARS	EA	6	L		
EUS4	200A ELBOWS	EA	12	L		
EUS5	SECONDARY CONDUCTOR FROM NEW SERVICE BOX TO EXISTING POLE 5-35	EA	1	L		

INSTALL

EUI1	5343104 350MCM AL 15kV CONCENTRIC NEUTRAL PRIMARY CABLES	M	220	M		
EUI2	3x350MCM AL 15KV CONCENTRIC NEUTRAL PRIMARY CABLES IN 3 DUCTS	PULL	3	L		
EUI3	5340208 4/0 AL TRIPLEX SECONDARY CABLE	M	52	M		
EUI4	1x4/0 AL TRIPLEX SECONDARY CABLE	PULL	1	L		
EUI5	5740411 PATTON & COOKE JUNCTION RACKS (2X200A & 2X600A)	EA	6	L & M		
EUI6	5740330 200A BUSHING INSERTS	EA	12	L & M		
EUI7	1500-4 T-BODY, 350MCM AL	EA	12	L & M		
EUI8	4835013 INSULATING CAPS	EA	10	L & M		
EUI9	1501-1 SECONDARY CABLE CONNECTORS	EA	1	L & M		

Tenderer's Initials _____

EUI10	SECONDARY CONDUCTOR IN DUCT FROM NEW SERVICE BOX TO NEW POLE 5-35	EA	1	L & M		
Sub-Total						

ELECTRICAL OVERHEAD

SALVAGE

EOS1	3PH POLE (INCLUDES POLE AND ALL CROSSARMS, TAPS, SWITCHES, NEUTRAL ATTACHMENTS, SECONDARY ATTACHMENTS, DIPS, GROUNDING)	EA	14	L		
EOS2	3PH TAP	EA	1	L		
EOS3	3PH DDE	EA	1	L		
EOS4	3PH ANGLE	EA	1	L		
EOS5	3PH TANGENT	EA	5	L		
EOS6	1PH FUSED CUTOUTS	EA	1	L		
EOS7	NEUTRAL TAP	EA	1	L		
EOS8	NEUTRAL DDE	EA	1	L		
EOS9	NEUTRAL TANGENT	EA	4	L		
EOS10	SECONDARY CLEVIS	EA	1	L		
EOS11	1PH TRANSFORMER W/ CUTOUT (TRANSFER TRANSFORMER)	EA	4	L		
EOS12	3PH TRANSFORMER BANK W/ CUTOUTS (TRANSFER TRANSFORMERS)	EA	2	L		
EOS13	POLE GROUND	EA	1	L		
EOS14	GUY AND ANCHOR	EA	9	L		
EOS15	O/H GUY AND ANCHOR	EA	1	L		
EOS16	PUSHBRACE	EA	1	L		
EOS17	STREET LIGHT	EA	1	L		
EOS18	OPEN WIRE SECONDARY	SPAN	2	L		

Tenderer's Initials _____

EOS19	PRIMARY CONDUCTOR (3PH + NEUTRAL)	SPAN	21	L		

INSTALL

EOI1	5010303 30' CLASS 3 POLE	EA	1	L & M		
EOI2	5010303 35' CLASS 3 POLE	EA	1	L & M		
EOI3	5010402 40' CLASS 3 POLE	EA	1	L & M		
EOI4	5010402 40' CLASS 2 POLE	EA	11	L & M		
EOI5	5010452 45' CLASS 2 POLE	EA	1	L & M		
EOI7	5010552 50' CLASS 2 POLE	EA	1	L & M		
EOI8	2778-1 3PH DDE #2 ACSR	EA	1	L & M		
EOI9	2778-2 3PH PRIMARY DDE 266 ACSR	EA	3	L & M		
EOI10	2710-2 3PH CORNER 266 ACSR	EA	1	L & M		
EOI11	2709-2 3PH DE 266 ACSR	EA	3	L & M		
EOI12	2705-2 3PH LIGHT ANGLE 266 ACSR	EA	1	L & M		
EOI13	2707-2 3PH MED ANGLE 266 ACSR	EA	1	L & M		
EOI14	2700-2 3PH TANGENT 266 ACSR	EA	11	L & M		
EOI15	2414-5 3PH PRIMARY TAP 266 ACSR	EA	1	L & M		
EOI16	2400-5 1PH TAP #2 ACSR W/ 100A LOADBREAK CUTOUT	EA	3	L & M		
EOI17	2100-3 SKYPIN WITH INSULATOR	EA	2	L & M		
EOI18	5710404 INSULATOR, PIN TYPE	EA	1	L & M		
EOI19	5110102 PIN, 6" TOP	EA	1	L & M		
EOI20	5531021 STIRRUPS	EA	6	L & M		
EOI21	2424-3 3PH SECTIONALIZING SWITCH STRUCTURE 266 ACSR	EA	1	L & M		
EOI22	2424-8 3PH SECTIONALIZING SWITCH STRUCTURE W/ 900 A SWITCHES 266 ACSR	EA	1	L & M		
EOI23	1324-5(MOD) 15KV 350AL MCM RISER WITH 200A LOADBREAK CUTOUTS	EA	2	L & M		
EOI24	2525-3 3PH TRANSFORMER BANK FRAMING	EA	2	L & M		
EOI25	2523-3 1PH TRANSFORMER FRAMING	EA	3	L & M		

Tenderer's Initials _____

EOI26	2523-2 1PH TRANSFORMER FRAMING	EA	1	L & M		
EOI27	OVERHEAD TRANSFORMER 50kVA 4800-120/240V (DISTRICT OF SUMMERLAND STANDARD)	EA	1	L & M		
EOI28	2660-4 NEUTRAL CLEVIS (TANGENT)	EA	11	L & M		
EOI29	2660-4 NEUTRAL CLEVIS (DE)	EA	19	L & M		
EOI30	2660-4 SECONDARY CLEVIS (DE)	EA	11	L & M		
EOI31	2660-4 SECONDARY CLEVIS (TANGENT)	EA	7	L & M		
EOI32	ES53 M1-01 BC HYDRO STYLE LARGE CABLE GUARD FOR PRIMARY DUCT	EA	2	L & M		
EOI33	ES53 M1-01 BC HYDRO STYLE SMALL CABLE GUARD FOR SECONDARY DUCT	EA	1	L & M		
EOI34	2592-3 POLE GROUND	EA	15	L & M		
EOI35	2852-6 GUY AND ANCHOR	EA	4	L & M		
EOI36	2854-3 DOUBLE DOWN HAUL GUY AND ANCHOR	EA	6	L & M		
EOI37	2858-3 O/H GUY AND ANCHOR	EA	3	L & M		
EOI38	2820-1 PUSH BRACE	EA	1	L & M		
EOI39	TRANSFER AND SPLICE (IF REQUIRED) PRIMARY CONDUCTOR (1PH + NEUTRAL)	SPAN	3	L & M		
EOI40	TRANSFER AND SPLICE (IF REQUIRED) PRIMARY CONDUCTOR (3PH + NEUTRAL)	SPAN	3	L & M		
EOI41	EXTEND O/H TRIPLEX SERVICE FROM POLE 8-26 TO 8-29	EA	2	L & M		
EOI42	TRANSFER O/H TRIPLEX SERVICE	EA	9	L & M		
EOI43	TRANSFER OPEN WIRE SECONDARY (3 WIRES)	EA	3	L & M		
EOI44	TRANSFER SECONDARY DIP	EA	2	L & M		
EOI45	1469-1MOD 150W LUMINAIRE	EA	1	L & M		
EOI46	1440-1 STREET LIGHT ATTACHMENT (REPLACE ARM W/ SHORT SUMMERLAND BRACKET)	EA	1	L & M		
EOI47	TRANSFER SL	EA	1	L & M		
EOI48	5320114 266.8 ACSR PRIMARY	M	2559	M		
EOI49	1/0 ACSR NEUTRAL	M	853	M		

Tenderer's Initials _____

EOI50	5320204 #2 ACSR	M	296	M		
EOI51	STRING PRIMARY CONDUCTOR (3PH + NEUTRAL)	SPAN	21	L		
Sub-Total						

Tender Price	
GST	
Total Tender Price	

Tenderer's Initials _____

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Bentley Road Conductor Upgrade

Questions and Answers **April 6, 2017**

Q1. Where are the conductor lengths?
A1. These are listed in the tender form (Overhead is EOI48 through EOI50) (Underground is EUI1 and EUI3). Note 8 says that "cable and conductor lengths are direct distances and do not include loops, terminations, riser heights or waste". Those are to be determined by the contractor and included in their rates.

Q2. The tender document says all materials are to be supplied by the contractor but the tender form says some materials will be provided by the DOS.
A2. This is a remnant from our discussions on how to release the tender. The tender document (not the tender form) takes precedence. In other words, the contractor is to include all materials in their quote. The only exception is the single transformer required will be provided by the DOS.

Q3. Is the contractor responsible for all street lighting, precast concrete vaults and all ducting?
A3. Yes.

Q4. Is there a chance that the closing date could be extended by a week?
A4. Yes. The new closing date will be 2017-04-20

Q5. Please confirm the size of the primary conductors on Bentley Road. If sections of the wire are #6Cu., is there an expectation that the work involving this conductor be done energized?
A5. The primary conductor on Bentley Road is 1x#2 ACSR and 2xCopper (undetermined size). The contractor is expected to follow best practices when it comes to working with copper as it can become brittle over time. Safety should be the first priority.

Q6. In reference to Note 1 on the Form of Tender – Appendix 1; Schedule of Quantities, please clarify what “other” materials the contractor should include, other than those included in the Units that are noted to be L&M or M?
A6. Any material the contractor thinks may be required to complete the job should be included in the unit rates such as cable waste, duct bends, pull rope, etc. Note that the trench, conduit, conductor and cable unit rates will be paid based on length between structures. The cable unit price should include cable for risers, coils, terminations and waste.

Q7. What material if any will be provided by the Owner?
A7. None.

Q8. Tagging for underground cable?
A8. The District of Summerland will supply and install.

Q9. Tagging on line switches?
A9. The District of Summerland will supply and install.

Q10. Will the District of Summerland provide survey?
A10. The District of Summerland will survey and confirm property and pole locations.

Q11. Will the contractor have to come back to remove joint use poles once communications have relocated their infrastructure?
A11. No.

Q12. Is there bedrock in the area?
A12. Rock may be encountered in the Bentley Place area and where trenching is required along Bentley Road. Rock removal will be considered an extra if encountered.

Q13. Can we get voltages on 3-phase banks on businesses?
A13. All transformer secondary voltages are 120/240V single phase or 120/208V three phase.

Q14. Has the District of Summerland communicated with the property owners for access to two poles at the end of Bentley Place?
A14. The District of Summerland will communicate with property owners to let them know that this will occur. The contractor will be responsible for working out the details of access with the owners.

Q15. What supplier are we to use for transformers that will be replaced?
A15. The District of Summerland will supply any replacement transformers.

Q16. How long will it take for budget approval?
A16. The DOS will know when tenders are received.

Q17. Is there an alternate feed across the highway to help minimize outages?
A17. Yes, for temporary service.

Q18. Will the District of Summerland do all the switching?
A18. Yes.

Q19. Is there any District of Summerland specific training required to work on the system?
A19. No.

Q20. Is excavation required for the underground between the two riser poles?
A20. Trenching is required to extend the ducting from the existing riser poles to the new riser pole locations as noted on the drawings.

Q21. How should the poles be treated?
A21. CCA

Q22. Will the contractor be required to attend any meetings?
A22. Yes. The contractor will need to attend a pre-construction meeting, a weekly coordination meeting and a post-construction walkthrough and hand-off.

Q23. Who will provide flagging?
A23. The contractor is responsible to provide any required flagging for construction.

Q24. What should be done with salvaged materials?
A24. All cable and wire should be returned to the District of Summerland. All other materials should be disposed of by the contractor.

Q25. Pole 5-33
A25. One transformer to be transferred for the existing service, one transformer to be salvaged. This is a legacy from an open delta setup.