

## Ashmont / Lottie Lake Water Transmission Line

## CHANGE ORDER #4

date: November 21, 2012  
to: Rob Mepham, Beretta Pipeline Construction Ltd.  
from: Mohammed Elenany, Ph.D., P.Eng. Urban Systems Ltd.  
file #: 3144.0003.03-F  
project: **ASHMONT/LOTTIE LAKE TRANSMISSION LINE**

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Refers to Contemplated Change Order # n/a

### Description of Change to Contract:

Additional work to complete the Tower installation at both the Ashmont and Lottie Lake Water Treatment Plants including:

- Antenna System
- Polyphasor
- MDS SD4 Radio
- Power Supply
- Tower (48 feet self support with anti-climb shield)

The work also includes the RF SCADA link between Ashmont and Lottie Lake and the SCADA equipment. The work will be performed as per the Contract Specifications and Conditions and as per the attached quote from Glentel.

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Unit Rate</u>	<u>Est. Qty</u>	<u>Est. Amt</u>
Add A18	Cash allowance to be used by Nason and Glentel to supply and install the RF SCADA link between the Ashmont and Lottie Lake, SCADA equipment, and Tower installation with base, including a 10% overhead and 10% contingency	l.s.	\$45,000.00	1	\$45,000.00

Change in Price (Increase): \$ 45,000.00

Change to Contract Schedule: none



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Rob Mepham  
Beretta Pipeline Construction Ltd.

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Mohammed Elenany, Ph.D., P.Eng.  
Contract Administrator

Title: Ashmont/Lottie Lake Water Transmission Line – CO#4  
Date: November 21, 2012  
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Sheila Kitz  
Owner

**This Change Order is not in effect until signed by the Contractor,  
the Contract Administrator and the Owner.**

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Nov. 14, 2012

Glentel Inc.  
10230 – 176 St.  
Edmonton, AB  
T5S 1L2

Canadian Consulting Group  
25 Corriveau Avenue  
St. Albert, AB T8N 5A3

Attention: Mr. Andrew Hingston

Re: Lottie Lake – Ashmont SCADA System

Dear Sir:

Please find detailed below pricing for the RF SCADA link between Ashmont and Lottie Lake. This includes the SCADA equipment, tower installation with base and Industry Canada.

## I SCADA System

<u>Site</u>	<u>Item</u>
Ashmont WTP	1 – Antenna System <ul style="list-style-type: none"><li>• Yagi Antenna</li><li>• 30 m Low Loss RF Cable</li></ul>
	1 – Polyphasor
	1 – MDS SD4 Radio
	1 – Power Supply
	1 – Tower <ul style="list-style-type: none"><li>• 48 Feet Self Support</li><li>• Anticlimb Shield</li></ul>
Lottie Lake WTP	1 – Antenna System <ul style="list-style-type: none"><li>• Yagi Antenna</li><li>• 30 m Low Loss RF Cable</li></ul>
	1 – Polyphasor
	1 – MDS SD4 Radio
	1 – Power Supply
	1 – GN Tower <ul style="list-style-type: none"><li>• 48 Feet Self Support</li><li>• Anticlimb Shield</li></ul>

Equipment	\$7,000.00
Radio Installation	\$4,300.00
Tower Installation	\$10,000.00
Tower Bases & Drawings	\$15,900.00
Engineering Fee	\$300.00
<b>Total</b>	<b>\$37,500.00</b>

## Notes and Considerations

1. Taxes are additional.
2. The customer will be responsible for the following:
  - a. All Radio Licence fees.
  - b. All associated permits and fees.
  - c. The installation of the Glentel equipment in the associated PLC cabinet.
  - d. Suitable power, space and building entry ports.
3. The demarcation point for the SCADA system will be deemed to be the serial or Ethernet port on the supplied Glentel Radio.
4. Glentel will provide assistance in obtaining Radio Licences and Aeronautical approvals. All fees associated with this are the client's responsibilities. Should Transport Canada require that the towers to be painted and/or lit, the customer will be responsible for these costs.
5. The customer will be responsible for any and all delays caused directly or indirectly by the customer or its agents.
6. Glentel will provide Anticlimb shields on the recommended towers.
7. Glentel will assist the customer in the implementation of the SCADA system.
8. Certain assumptions have been made with regards to the distance between the sites' tower/mast. If the indicated amount of cable is not adequate, additional charges may apply to provide additional cable.
9. Screw piles will be used for the tower base.

The attached Terms and Conditions also apply.

## II Industry Canada Licencing

Radio Licencing associated with the SCADA system and includes:

- Preparing and submitting the radio licence applications
- Preparing and submitting the Transport Canada applications (if applicable)
- Preparing and submitting the Nav Canada applications (if applicable)
- Industry Canada negotiations

<u>Item</u>	<u>Price</u>
Industry Canada Radio Licence Submission	\$350.00

Industry Canada Annual Fees	\$96.00 - \$136.00
<ul style="list-style-type: none"><li>• Two stations</li><li>• Rates are prorated</li><li>• Renewal Fee is \$68.00/site</li></ul>	

## Notes and Considerations

1. Taxes are additional.
2. Should Transport Canada require any painting or lighting of the radio tower(s), these associated costs are additional.
3. Industry Canada radio licence fee are annual with the first year being prorated by the remaining months in the federal fiscal year.
4. Industry Canada may take 4 – 6 weeks to process the radio licence applications.

If any questions arise, please do not hesitate to contact the undersigned at 780-732-3400 X2012.

*Gary Foster*

Gary Foster  
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