



City of Niagara Falls

Contract 2020-515-20 City Wide CIPP Sewer Rehabilitation Program

ADDENDUM # 2

This Addendum shall form an integral part of the contract document for the above noted project and shall be read in conjunction therewith. This Addendum shall, however, take precedence over all requirements of the previously issued contract documents, including plans, with which it may prove to be at variance, unless otherwise clarified by the Engineer.

This Addendum must be signed by the Tenderer in the appropriate space and must be attached to the Form of Tender for submission at the time of tendering. **Tenders not including this Addendum, signed as required, may be rejected as informal.**

1. Can you please provide the CCTV videos for the sewer to be lined and/or rehabilitated listed under SPCS-31 item 6.2, this will enable us estimate the amount of prepping and cleaning involved.
 - **CCTV video reports have been couriered to all bidders.**
2. In the spot repair chart (SPCS-34) section SGM_05756 on Harleyford Cr, the distance for the void filling or spot repair is not provided.
 - **The repair is located at 6.89 metres from SMH_04987.**
3. Should item B5 service connection repairs include V1, V3 and V4 or an additional item will be added similar to P1a and P2a.
 - **This information has been updated on the Schedule of Quantities and Unit Prices included in this addendum.**
4. How can we assume the required level of effort for traffic control as stated in addendum 1? Can we assume that year 2 and year 3 will require the same level of traffic for the defined scope for year 1.
 - **Bidders shall assume that Years 2 and 3 will require the same level of traffic control as Year 1.**
5. Are we expected to provide a V1 & V2 for the 7 Maintenance hole repairs (Item B4). If so, where are we to build in these costs into?
 - **We do not require a V1 inspection for maintenance holes, V2 inspections are to be included in Item B4. This information has been updated on the Schedule of Quantities and Unit Prices included in this addendum.**
6. So is it the intention to inspect all of laterals to property line (V1) in all of the mainline cipp sections outlined in 6.2 repair list and then decide what each specific lateral requires? I.e. a connection repair (Item B5) or a Service lateral repair (Item P2)? For example, What if the V1 inspections show roots and calcite in 50% of the laterals inspected? How will this handled?
 - **It is not intended to inspect all laterals to property line. Lateral inspections to property line and repairs will be completed on a provisional basis.**

- 7. In the Special Provisions Section 6.7 CIPP Liner subsection 2. (page SPCS-36) "Contractors shall submit with their tender, detailed specifications, methodology, design and construction details, and data complying with ASTM Standards.
 - **Only the awarded bidder will be required to provide this information prior to construction commencing.**
- 8. The video inspection for item B1 g),h),i) for all years shall extend 1 (one) metre into the service lateral.
- 9. Form of Tender – Schedule of Quantities and Unit Priced – **Remove page FT4-1 to FT4-9 and replace with "FT4-1 rev2 to FT4-9 rev2" attached.**

Date Issued: December 04, 2020

Issued By: 

Kurtis Bottrell, C.E.T.
 Infrastructure Services Supervisor,
 Municipal Works

The Tenderer shall take due notice of all revisions/clarifications and make allowance to his/her unit prices.

Signature of Company Representative:	
Name (Please Print):	
Company Name:	
Date:	

All Bidders are to note that the Special Provisions - Contract Items Supplementary are regularly revised and in some cases modified to a specific project.
 The City will not be responsible for any Bidder not being aware of the changes from previous tender documents.

SCHEDULE OF QUANTITIES AND UNIT PRICES - YEAR 1

CONTRACT NO. 2020-515-20

CITY WIDE SEWER REHABILITATION PROGRAM

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'A' - GENERAL						
A1	A1	Bonding	1	L.S.	\$ _____	\$ _____
A2	SPCS	Mobilization and Demobilization	1	L.S.	\$ _____	\$ _____
A3	SPCS	Construction Signs, Traffic Control & Traffic Management Plan	1	L.S.	\$ _____	\$ _____
A4	SPCS	Contingency Allowance	1	L.S.	\$180,000.00	\$180,000.00
TOTAL SECTION 'A' - GENERAL \$						<u> </u>

SCHEDULE OF QUANTITIES AND UNIT PRICES - YEAR 1

CONTRACT NO. 2020-515-20

CITY WIDE SEWER REHABILITATION PROGRAM

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'B' - SEWER REHABILITATION						
B1	SPCS	Flushing and Inspection				
		a) Flushing and Mainline V1 Inspection	4,125	m	\$ _____	\$ _____
		b) Flushing and Mainline V3 Inspection	4,125	m	\$ _____	\$ _____
		c) Flushing and Mainline V4 Inspection	4,125	m	\$ _____	\$ _____
		e) Maintenance Hole V3 Inspection	7	ea.	\$ _____	\$ _____
		f) Maintenance Hole V4 Inspection	7	ea.	\$ _____	\$ _____
		g) Flushing and Service Connection V1 Inspection (1m into lateral)	250	ea.	\$ _____	\$ _____
		h) Flushing and Service Connection V3 Inspection (1m into lateral)	250	ea.	\$ _____	\$ _____
		i) Flushing and Service Connection V4 Inspection (1m into lateral)	250	ea.	\$ _____	\$ _____
B2	SPCS	CIPP Lining - Including Flow Control, Pipe Preparation and V2 Inspection				
		a) 200 mm Diameter Sewers	1384	m	\$ _____	\$ _____
		b) 225 mm Diameter Sewers	105	m	\$ _____	\$ _____
		c) 250 mm Diameter Sewers	828	m	\$ _____	\$ _____
		d) 300 mm Diameter Sewers	55	m	\$ _____	\$ _____
		e) 375 mm Diameter Sewers	477	m	\$ _____	\$ _____
		f) 600 mm Diameter Sewers	350	m	\$ _____	\$ _____
B3	SPCS	CIPP Spot Repair - Including Flow Control, Pipe Preparation and V2 Inspection				
		a) 250	10	ea.	\$ _____	\$ _____
		b) 450	1	ea.	\$ _____	\$ _____
		c) 600	3	ea.	\$ _____	\$ _____
B4	SPCS	Maintenance Hole Repairs - Including Flow Control, Maintenance Hole Preparation and V2 Inspection	7	ea.	\$ _____	\$ _____
B5	SPCS	Service Connection Repairs - Including Flow Control, Pipe Preparation and V2 Inspection	250	ea.	\$ _____	\$ _____
TOTAL SECTION 'B' - SEWER REHABILITATION						\$ _____

SCHEDULE OF QUANTITIES AND UNIT PRICES - YEAR 1

CONTRACT NO. 2020-515-20

CITY WIDE SEWER REHABILITATION PROGRAM

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'P' - PROVISIONAL ITEMS						
P1	SPCS	Inspection (Mainline to Property Line)				
		a) Service Lateral V1 Inspection	20	ea.	\$ _____	\$ _____
		b) Service Lateral V3 Inspection	20	ea.	\$ _____	\$ _____
		c) Service Lateral V4 Inspection (Prior to Expiry of 2 Year Warranty)	20	ea.	\$ _____	\$ _____
P2	SPCS	125mm Diameter Service Lateral CIPP Repair - Including Flow Control, Pipe Preparation and V2 Inspection				
		a) Service Lateral Repair	20	ea.	\$ _____	\$ _____
		b) New Cleanout Installation	20	ea.	\$ _____	\$ _____
TOTAL SECTION 'P' - PROVISIONAL \$						_____

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SCHEDULE OF QUANTITIES AND UNIT PRICES - YEAR 2

CONTRACT NO. 2020-515-20

CITY WIDE SEWER REHABILITATION PROGRAM

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'A' - GENERAL						
A1	A1	Bonding	1	L.S.	\$ _____	\$ _____
A2	SPCS	Mobilization and Demobilization	1	L.S.	\$ _____	\$ _____
A3	SPCS	Construction Signs, Traffic Control & Traffic Management Plan	1	L.S.	\$ _____	\$ _____
A4	SPCS	Contingency Allowance	1	L.S.	\$180,000.00	\$180,000.00
TOTAL SECTION 'A' - GENERAL						\$ _____

SCHEDULE OF QUANTITIES AND UNIT PRICES - YEAR 2

CONTRACT NO. 2020-515-20

CITY WIDE SEWER REHABILITATION PROGRAM

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'B' - SEWER REHABILITATION						
B1	SPCS	Flushing and Inspection				
		a) Flushing and Mainline V1 Inspection	4,070	m	\$ _____	\$ _____
		b) Flushing and Mainline V3 Inspection	4,070	m	\$ _____	\$ _____
		c) Flushing and Mainline V4 Inspection	4,070	m	\$ _____	\$ _____
		d) Maintenance Hole V3 Inspection	10	ea.	\$ _____	\$ _____
		e) Maintenance Hole V4 Inspection	10	ea.	\$ _____	\$ _____
		f) Flushing and Service Connection V1 Inspection (1m into lateral)	100	ea.	\$ _____	\$ _____
		g) Flushing and Service Connection V3 Inspection (1m into lateral)	100	ea.	\$ _____	\$ _____
		h) Flushing and Service Connection V4 Inspection (1m into lateral)	100	ea.	\$ _____	\$ _____
B2	SPCS	CIPP Lining - Including Flow Control, Pipe Preparation and V2 Inspection				
		a) 200mm Diameter Sewers	400	m	\$ _____	\$ _____
		b) 225mm Diameter Sewers	400	m	\$ _____	\$ _____
		c) 250mm Diameter Sewers	400	m	\$ _____	\$ _____
		d) 300mm Diameter Sewers	400	m	\$ _____	\$ _____
		e) 375mm Diameter Sewers	200	m	\$ _____	\$ _____
		f) 450mm Diameter Sewers	200	m	\$ _____	\$ _____
		g) 525mm Diameter Sewers	100	m	\$ _____	\$ _____
		h) 600mm Diameter Sewers	100	m	\$ _____	\$ _____
B3	SPCS	CIPP Spot Repair - Including Flow Control, Pipe Preparation and V2 Inspection				
		a) 200mm Diameter Sewers	2	ea.	\$ _____	\$ _____
		b) 225mm Diameter Sewers	2	ea.	\$ _____	\$ _____
		c) 250mm Diameter Sewers	5	ea.	\$ _____	\$ _____
		d) 300mm Diameter Sewers	5	ea.	\$ _____	\$ _____
		e) 375mm Diameter Sewers	5	ea.	\$ _____	\$ _____
		f) 450mm Diameter Sewers	1	ea.	\$ _____	\$ _____
		g) 525mm Diameter Sewers	1	ea.	\$ _____	\$ _____
		h) 600mm Diameter Sewers	1	ea.	\$ _____	\$ _____
B4	SPCS	Maintenance Hole Repairs - Including Flow Control, Maintenance Hole Preparation and V2 Inspection	10	ea.	\$ _____	\$ _____
B5	SPCS	Service Connection Repairs - Including Flow Control, Pipe Preparation and V2 Inspection	100	ea.	\$ _____	\$ _____
TOTAL SECTION 'B' - SEWER REHABILITATION						\$ _____

SCHEDULE OF QUANTITIES AND UNIT PRICES - YEAR 2

CONTRACT NO. 2020-515-20

CITY WIDE SEWER REHABILITATION PROGRAM

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
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		c) Service Lateral V4 Inspection (Prior to Expiry of 2 Year Warranty)	20	ea.	\$ _____	\$ _____
P2	SPCS	125mm Diameter Service Lateral CIPP Repair - Including Flow Control, Pipe Preparation and V2 Inspection				
		a) Service Lateral Repair	20	ea.	\$ _____	\$ _____
		b) New Cleanout Installation	20	ea.	\$ _____	\$ _____
TOTAL SECTION 'P' - PROVISIONAL						\$ _____

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SCHEDULE OF QUANTITIES AND UNIT PRICES - YEAR 3

CONTRACT NO. 2020-515-20

CITY WIDE SEWER REHABILITATION PROGRAM

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
SECTION 'A' - GENERAL						
A1	A1	Bonding	1	L.S.	\$ _____	\$ _____
A2	SPCS	Mobilization and Demobilization	1	L.S.	\$ _____	\$ _____
A3	SPCS	Construction Signs, Traffic Control & Traffic Management Plan	1	L.S.	\$ _____	\$ _____
A4	SPCS	Contingency Allowance	1	L.S.	\$180,000.00	\$180,000.00
TOTAL SECTION 'A' - GENERAL						\$ _____

SCHEDULE OF QUANTITIES AND UNIT PRICES - YEAR 3

CONTRACT NO. 2020-515-20

CITY WIDE SEWER REHABILITATION PROGRAM

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		c) Flushing and Mainline V4 Inspection	4,070	m	\$ _____	\$ _____
		d) Maintenance Hole V3 Inspection	10	ea.	\$ _____	\$ _____
		e) Maintenance Hole V4 Inspection	10	ea.	\$ _____	\$ _____
		f) Flushing and Service Connection V1 Inspection (1m into lateral)	100	ea.	\$ _____	\$ _____
		g) Flushing and Service Connection V3 Inspection (1m into lateral)	100	ea.	\$ _____	\$ _____
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B2	SPCS	CIPP Lining - Including Flow Control, Pipe Preparation and V2 Inspection				
		a) 200mm Diameter Sewers	400	m	\$ _____	\$ _____
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		d) 300mm Diameter Sewers	400	m	\$ _____	\$ _____
		e) 375mm Diameter Sewers	200	m	\$ _____	\$ _____
		f) 450mm Diameter Sewers	200	m	\$ _____	\$ _____
		g) 525mm Diameter Sewers	100	m	\$ _____	\$ _____
		h) 600mm Diameter Sewers	100	m	\$ _____	\$ _____
B3	SPCS	CIPP Spot Repair - Including Flow Control, Pipe Preparation and V2 Inspection				
		a) 200mm Diameter Sewers	2	ea.	\$ _____	\$ _____
		b) 225mm Diameter Sewers	2	ea.	\$ _____	\$ _____
		c) 250mm Diameter Sewers	5	ea.	\$ _____	\$ _____
		d) 300mm Diameter Sewers	5	ea.	\$ _____	\$ _____
		e) 375mm Diameter Sewers	5	ea.	\$ _____	\$ _____
		f) 450mm Diameter Sewers	1	ea.	\$ _____	\$ _____
		g) 525mm Diameter Sewers	1	ea.	\$ _____	\$ _____
		h) 600mm Diameter Sewers	1	ea.	\$ _____	\$ _____
B4	SPCS	Maintenance Hole Repairs - Including Flow Control, Maintenance Hole Preparation and V2 Inspection	10	ea.	\$ _____	\$ _____
B5	SPCS	Service Connection Repairs - Including Flow Control, Pipe Preparation and V2 Inspection	100	ea.	\$ _____	\$ _____
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