

ADDENDUM NO. 7  
SANDWICH STREET SEWER REHABILITATION PROJECT  
RFP NO. 74-20

July 3, 2020

This addendum amends and forms part of the Proposal Documents. The Proponent shall insert the addendum behind the cover page of the Proposal Documents.

**QUESTIONS AND ANSWERS/CLARIFICATIONS**

1. We would like to propose Warren 301-14 Manhole Epoxy Lining System for Item # 53 for the above RFP.

*Answer: Warren Environmental Inc. 100% Solids Epoxy Lining System for Structural Rehabilitation is an accepted approved alternate for manhole rehabilitation with the following required testing: ASTM D4414 - Standard Practice for Measurement of Wet Film Thickness, ASTM D4541 Bond Strength, Tear Resistance (ASTM D 624), Abrasion Resistance (ASTM D 4060), Tensile Strength (ASTM D 638, mod. ), Flexural Modulus (ASTM D 790), Water Vapor Transmission (ASTM E 96) and including pre condition assessment report and pull test data sheet. Must use a certified installer of the product.*

2. We wish to submit the following alternative methods for pipeline rehabilitation. We are seeking approval for potential use on this contract.

***CIPP – Fold and Form method***

This method involves a process of form fitting a PVC pipe inside the existing deteriorated pipe. The host pipe is prepared the same way it would be to receive a resin impregnated CIPP liner, by reaming out encrustation, and chemical grouting as needed to stop leaks and fill voids. Then a PVC pipe, that is the same size as the host pipe, is softened and folded into itself along its length in such a way as to allow it to be pulled into the existing host pipe. Once the PVC pipe is in position, it is pumped full of steam, softening the PVC pipe once again and causing it to return to its original shape. The steam is used to soften the PVC pipe and return it to its original round shape. Then compressed air is introduced to press the softened PVC pipe firmly against the host pipe interior. Once the folded and formed PVC insert has cooled, it becomes a new one-piece PVC pipe inside the existing host pipe tightly adhered to every bend and contour of the host pipe. Please review the attached product literature for additional information and product specs.

*Answer: Fold and form PVC would be an accepted approved alternate for pipeline rehabilitation of circular pipes only and provided it meets the same requirements and specifications as CIPP.*

3. We wish to submit the following alternative product for approval for use on this contract.

***CIPP – UV cured method***

This process is very similar to traditional ambient or steam cured CIPP installation methods. All steps of the pipe preparation process are the same as in ambient/steam cure CIPP and the felt liner material used is essentially the same also, but the main difference is that the resin used in this process is designed to cure when exposed to UV

light. An advantage to this method is that the resin itself provides a more structurally sound final product, several times stronger than an ambient cure resin. Please review the attached product literature for additional details.

*Answer: CIPP – UV Cured would be an accepted approved alternate for pipeline rehabilitation provided it meets the same requirements and specifications as CIPP outlined in this RFP.*

4. We wish to submit the following alternative methods for pipeline rehabilitation. We are seeking approval for potential use on this contract.

***Spray/brush-on coatings and structure stabilizing mortars – Manhole Rehab***

Please review product info attached on a line of various products we seek approval to use for manhole rehabilitation as required on this contract.

*Answer:*

*ENVIROLASTIC® AR530 BRUSH GRADE is NOT an accepted approved alternate for manhole rehab. DURA-PLATE® 6000 REINFORCED EPOXY would be an accepted approved alternate for manhole rehabilitation with the following required testing: Tear Resistance (ASTM D 624), Abrasion Resistance (ASTM D 4060), Tensile Strength (ASTM D 638, mod. ), Flexural Modulus (ASTM D 790), Water Vapor Transmission (ASTM E 96) and including pre condition assessment report and pull test data sheet. Must use a certified installer of the product.*

5. Further to the clarification provided in **Addendum 5 question 7**, regarding wye's in the laterals... If the lateral wye's before the property line, it is understood that the proponent must line the lateral from the wye to the property line. In this circumstance, we could potentially need to line 2 separate pipes from the wye to the property line, that both tie into the same connection at the main. This would essentially mean double the cost for proponents to complete lining on both sides of the wye up to the property line. Can the City provide information on how many laterals contain wye's on the public side (before the property line) where this scenario might apply? We will need to know how many there are like this so we can carry for the increased costs.

*Answer: The total number of wyes are unknown. Proponent shall use the quantities available as per the Schedule of Unit Prices for their Cost Proposal. Additional lateral lining identified and approved by the City, will be considered a change. This additional lateral lining work cost shall be based upon the Schedule of Unit Prices.*

6. Regarding Prep and lining/tophat installation for the laterals. The pricing sheets indicate 425 laterals to be serviced. In **addendum 5, question 14** it was confirmed that the 425 count includes both sanitary and storm laterals. Can the City provide a breakdown of the number of sanitary laterals vs storm laterals? Storm sewer laterals are typically a larger diameter than their sanitary lateral counterparts, and as such could be more costly and time consuming to clean, prep and rehab. Proponents will be able to provide more accurate estimated costs for these services, if we knew how many storm vs sani... or better yet if we had the individual lateral sizes.

*Answer: A breakdown of the sanitary vs storm laterals and applicable sizes cannot be obtained at this time. The Proponent shall base their bid upon information within the RFP including the CCTV files and the "SANDWICH STREET - CCTV SEWER REVIEW" sheet to average out the cost.*

7. In the tender documents, under instructions to bidder, appendix B, item #6 "Preliminary Design Calculations, Plans, Methodology and Schedules" there is a list of things to be submitted with our proposals... However, under special provisions, item #15 Submission Requirements, there is a similar list of items that must be submitted by the successful bidder to the City Engineer 7 days prior to commencing work. Some of the items on these lists seem to overlap, and in some cases would typically not be submitted until a contractor is chosen as information required to provide such documents would likely not be available until the time of service. Below I have included copies of those lists, and some comments about each item in question. These lists include:

**From Special Provisions, Item #15:**

a) A work plan outlining the schedule, procedures, and work site. – *Planning and scheduling will depend greatly on the timing of delivery of impregnated liners and various items from our supplier. We cannot know when the liners will be delivered until we order them, and therefor providing a schedule and workplan at the initial submission stage is very difficult and will likely not be accurate anyways.*

*Answer: All Proponent's will be in the same situation and are expected to provide the required information as per the RFP to the best of their ability at this time.*

b) A list of personnel, including backup personnel, with their qualifications and experience.

c) A traffic control plan. – *Traffic control plans are tailored to existing site conditions at time of service, and therefor should not be prepared in advance. We could provide the Book 7 TCP# we might employ for a given location, but the actual detailed drawing and traffic plan document should always be completed on site and based on traffic conditions in real time.*

*Answer: All Proponent's will be in the same situation and are expected to provide the required information as per the RFP to the best of their ability at this time.*

d) Safety plan, including the company safety manual and emergency procedures. – *We can provide our safety manual and generic procedures, however writing a safety plan without first knowing the site conditions and schedule is not advisable. Safety plan must be tailored to site conditions at time of service.*

*Answer: All Proponent's will be in the same situation and are expected to provide the required information as per the RFP to the best of their ability at this time.*

e) Product by-pass or temporary supply system plans, including methods, with a list of equipment to be used. – *We are not sure what you are asking for with this request. Does this refer to sewer by-pass? And the equipment required to accomplish said by-pass?*

*Answer: Yes.*

f) Manufacturer's technical data containing complete information on:

i. Material composition, physical properties, and dimensions of the new product.

ii. Recommendations for transportation, handling, and storage.

iii. Repair of product damaged during installation.

iv. Installation and connection details.

v. Inversion pressures.

vi. Product curing procedures listing the curing temperature and duration, including cool down time for the product.

g) Contingency plans for the following potential conditions:

i. Damage to the existing service connections.

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ii. Improper placement of the CIPP.

iii. Damage to the host pipe.

A sample letter to residents impacted by the work shall be submitted to the City Engineer for approval 7 days prior to commencing the work.

***From Instructions to bidders, Appendix B, Item #6:***

1. Provide work plan outlining the schedule, procedures, and work site. Special consideration will be given for a shorter schedule. - *Planning and scheduling will depend greatly on the timing of delivery of impregnated liners and various items from our supplier. We cannot know when the liners will be delivered until we order them, and therefore providing a schedule and workplan at the initial submission stage is very difficult and will likely not be accurate anyways. Can a schedule be provided by the successful bidder only?*

*Answer: All Proponent's will be in the same situation and are expected to provide the required information as per the RFP to the best of their ability at this time.*

2. Capability to perform the work

3. Provide a Remedial Action for Damaged Outlets

4. Provide a traffic control plan. - *Traffic control plans are tailored to existing site conditions at time of service, and therefore should not be prepared in advance. We could provide the Book 7 TCP# we might employ for a given location, but the actual detailed drawing and traffic plan document should always be completed on site and based on traffic conditions in real time. Would the City remove this as an initial submission requirement?*

*Answer: All Proponent's will be in the same situation and are expected to provide the required information as per the RFP to the best of their ability at this time.*

4. Detailed Flow Control Plan – *In a previously submitted question, details on flow data for the sewer lines in question were requested. The City indicated that specific flow data for these sewers was not available. Some HGL data was shared, however we need specifics to create a flow control plan, such as Liters per minute/hour data so we can accurately size the pumps required for effective by-passing. We can take measurements at the time of service, while the prep work is taking place and during initial CCTV inspection to determine flow volumes, and then base our flow control plan on that data. Would it be acceptable to the City to remove this submission as a requirement at the time of initial proposal submission?*

*Answer: All Proponent's will be in the same situation and are expected to provide the required information as per the RFP to the best of their ability at this time.*

6. Provide a safety plan, including the company safety manual and emergency procedures. - *We can provide our safety manual and generic procedures, however writing a safety plan without first knowing the site conditions and work schedule is not advisable. Safety plan must be tailored to site conditions at time of service. Can this be submitted after initial CCTV and prior to CIPP installation by the successful bidder only?*

*Answer: All Proponent's will be in the same situation and are expected to provide the required information as per the RFP to the best of their ability at this time.*

7. Provide detailed plans as it relates to the project and all schedules in the form of a Gantt Chart. - *Planning and scheduling will depend greatly on the timing of delivery of impregnated liners and various items from our supplier. We cannot know when the liners will be delivered until we order them, and therefore providing a schedule and workplan at the initial submission stage is very difficult and will likely not be accurate anyways.*

*Answer: All Proponent's will be in the same situation and are expected to provide the required information as per the RFP to the best of their ability at this time.*

8. Provide a preliminary CIPP design calculations. The name of the professional engineer licensed in the province of Ontario who will prepare and stamp the CIPP liner engineering designs required according to the liner design requirements

9. Include information of the proposed resin manufacturer

10. Identify the location (address) where the CIPP tube will be impregnated.

11. Provide any other smaller technical items which should be considered.

12. Provide a narrative which details and demonstrates the contingency plans for potential conditions.

13. Provide for similar info as listed above should an alternate equivalent product to CIPP be requested by the Tender. Please note that alternative equivalent products must be approved before use by the City of Windsor.

Would the City perhaps reconsider the timing for submission of some of these items?

*Answer: There shall be no further extension to the closing date.*

Except for the contents of this addendum, all other terms and conditions of this proposal remain the same.

**END OF ADDENDUM NO. 7**

Yours truly,

**THE CORPORATION OF THE CITY OF WINDSOR**

*Elaine Castellan*

Elaine Castellan  
Purchasing Supervisor

EC/jm

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RFP NO. 74-20

July 3, 2020

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I hereby acknowledge receipt of Addendum No. 7 to the RFP No. 74-20 (6 pages).

The information contained therein is hereby noted and account of same will be taken in our proposal cost.

This information was received on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name (Printed)

\_\_\_\_\_  
Company Name

**\*NOTE: You are required to acknowledge this addendum with your proposal submission.**

**PLEASE E-MAIL @ [purchasing@citywindsor.ca](mailto:purchasing@citywindsor.ca) SIGNED ACKNOWLEDGEMENT SHEET  
ASAP**

**Attn: Purchasing Department**