



TENDER 19-08

HWY 19A PHASE III WATERMAIN & FORCEMAIN

ADDENDUM NO. 4

April 8th, 2019

This addendum forms part of the Tender Documents and shall be read, interpreted, and coordinated with all other parts. The costs of all elements contained herein shall be included in the submission. The following revisions, changes, corrections, additions, and or deletions supersede the information contained in the original Documents to the extent referenced and shall become part thereof.

Addendum Item 1 - Questions and Answers

1. Proponent Question:

Reading Addendum 3 – Supplementary Specification 33 34 01 SEWAGE FORCEMAIN, 1.8 Measurement and Payment clause, which includes the wording "...except permanent pavement restoration...", In conjunction with Addendum 3, item 14, which defines areas of Temporary pavement restoration as well as Permanent pavement restoration.

Leads to the question: Is the Temporary Asphalt Restoration Detail on Sheet C-7 to be included in the contractor's costs for the various trenching items located south of sta 101+320, or can we assume that all asphalt restoration (whether temporary or permanent) will be carried out by the Owner's Asphalt Contractor, at the Owner's cost?

Response:

The contractor is required to prepare the base for the asphalt and to coordinate Tayco's efforts in installing. Payment for supply and placement of all asphalt will be under Owner's contract with Tayco.

2. Proponent Question:

At the north end of the project, the 750mm HDPE will be approx. 3m deep. Can the 150mm FM that is teed into the 750mm and then crosses the hwy, be raised to a shallower depth?

Response:

The invert elevation of the 150mm HDPE forcemain can be brought across the road at an elevation of approximately 2.5m.

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3. Proponent Question:

The Waterworks notes on sheet 1, item 4 states that cathodic protection is optional work as determined by the CA, however there is no optional pay item for cathodic protection anodes. Is this to be dealt with as a change order if directed by the CA?

Response:

Yes, this can be handled by force account.

4. Proponent Question:

Could you confirm that water services will not be extended to the west side of Hwy19A under this contract? I believe that the westside services will be stubbed 0.5m away from the new main (as per detail 2 on C-7). Eastside services will be completed (as per detail 1 on C-7). Is this correct?

Response:

This is correct.

5. Proponent Question:

Could you comment further on what the contractor can expect from the Owner in regards to the decommissioning and dewatering of the 1300 LM section of existing 450mm FM that will be put out of operation?

- a. Where is the valve north of sta 101+710 located?
- b. How long might it take to stop the flow in this system?
- c. Will the Owner be responsible for the emptying of this 1300 LM section?
- d. If emptying this section is the responsibility of the Contractor, where are the contents to be disposed?

Response:

- a. There are no control valves on the existing forcemain north of Sta. 101+710. For clarification there are Manway Access Points at +/- Sta 101+316 and +/- 101+695 (Tender 19-08 Drawings) as well as approximately 570 metres to the north of the north tie-in point (Tender 1907 Drawings). These hatches can be used to access the 450 for plugging and pumping purposes.
- b. To switch flow over from the old forcemain to the new one would take approximately 30 minutes. A minimum of 3 business days advanced notice is required to plan and schedule for it.
- c. The Contractor, working with the Owner, is responsible for emptying the 1300 LM of pipe. The Owner will operate all pumping systems and in line valves to assist the Contractor. There are also a number of access hatches to the existing 450mm pipe, which can be used to insert plugs and/or pumps as may be required. Per the specifications (33 34 01) the Contractor is to submit a "Forcemain Tie-In Plan".

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- d. Disposal of collected effluent needs to be disposed of at the Norm Wood Environmental Centre, or as otherwise approved by the Contract Administrator, as it may be possible to discharge to the sanitary sewer downstream where sewage can flow by gravity away from the forcemain site.

6. Proponent Question:

In Detail 1 on C-7, there is a note pointing at the HDPE service tubing that is brought to the surface (inside the property line, it appears), that reads: "Crimp end after Bacteriological testing is complete or tie to existing service".

- a. Who make the decision which of these two tasks will be carried out? You can appreciate that one is far more expensive than the other.
- b. The end of the new service tubing is clearly indicated as installed on the private property side of the PL. Has the Owner obtained permission from these landowners for this intrusion? Otherwise, I would question the contractor responsibility for working outside your R.O.W.

Response:

- a. The detail is shown as a standard detail. All services that exist today are to be replaced with new services and re-connected as required. Only the new 50mm irrigation service at +/- Sta 100+785 is to be left as a crimped service for future work in 2020. Contractors should price the installation and re-connection of services accordingly.
- b. There should be no installation on private property. Installation should be limited to road ROW.

7. Proponent Question:

Regarding Detail 2 on C-7. Does the contractor need to pressure test through these corp stops and the 500mm stub of service tubing? Or can they be installed with the corp in the "off" position, knowing that they can be turned "on" at some future time when the service is completed?

Response:

Contractors will be allowed to pressure test with the corporation stops closed. Corporation stops can be re-opened when the future work occurs in 2020.

8. Proponent Question:

Sheet 1 of the attached drawings states "TRAFFIC IS TO BE MAINTAINED IN BOTH DIRECTIONS AT ALL TIMES". Can you confirm that two way alternating traffic will be acceptable? There is a number of road crossings that are required as well as a reduced running surface due to the force main corridor.

Response:

The Contractor is to prepare and submit a Traffic Management Plan for approval by the Owner. The intent of the work through this section is to maintain two-way traffic as best can be managed at all times. The Contractor is to propose their methodology for managing traffic

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interruptions due to crossings, etcetera, and request exceptions to the above rule as may be warranted and unavoidable.

9. Proponent Question:

Will the existing 450mm force main be abandoned and isolated for the duration of the works? The proposed force main cannot be completed without removal of the existing 450mm force main in a number of areas.

Response:

The existing 450mm diameter forcemain is to remain in service until the final connections of the new 600 or 750mm diameter forcemain are made. No work to decommission the existing forcemain is to commence until written approval to do so has been provided by the Contract Administrator. On this basis, no work on the watermain can commence until the City has accepted the new 600 or 750mm diameter forcemain and provided written approval to proceed with watermain work.

10. Proponent Question:

Does item #8 include base prep for paving?

Response:

Base prep for paving is included in the requirements for the work to complete the installation for water works and forcemain piping for each item which is to be installed below temporary or permanent asphalt restoration areas and is by reference included in the scope of work for MMCD Section 31 23 01 – Excavating, Trenching and Backfilling

11. Proponent Question:

Can permanent asphalt reinstatement with the City's paving contractor be scheduled for 2019 immediately upon completion of this contract, or will further utility upgrades planned for next year impact permanent surface reinstatement?

Response:

Per Item 14 of Addendum No. 3, Contractors are instructed that portions of the work will be paid for as temporary asphalt restoration (no grinding required) and portions to be paid for as permanent asphalt restoration (grinding required). Regardless, all asphalt paving as indicated on the drawings is required to be completed as part of this project and within the allowable period for Substantial Completion.

12. Proponent Question:

In addendum 3, the item (#35) for 50mm water service connections, has a quantity of 2ea but only identifies the connection at sta 100+785. The other appears to be ~ sta 101+120 and would re-connect the 50mm service to the Dog Park irrigation. Could you confirm that both installations are as per the Detail 2, C-7 mentioned in the Schedule of Quantities?

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Response:

Confirmed: both installations are as per the Detail 2, C-7 mentioned in the Schedule of Quantities.

13. Proponent Question:

The 750 mm HDPE has a 4 week delivery date and the 600 mm SDR has a 4 month delivery date. For the 600 mm can we possibly substitute something else for it?

Response:

No.

Addendum Item 2 – Question & Answer Period

The question and answer period is now closed and no further questions, clarifications, or requests will be considered due to the tender closing on Wednesday April 10th, at 3:00pm (local time).

No further addendums shall be issued

End of Addendum

Acknowledgement of this Addendum in your Tender submission is required.

Clinton J. Crook, SCMP, CPSM
Purchasing & Risk Management Officer