

**Harbour Infrastructure Repairs**  
**The Corporation of the Town of Cobourg**



**Contract No. CO-22-22 CSD**  
**Addendum No. 2**

This Addendum issued July 29, 2022 forms part of the Contract Documents and Specifications for the above-noted Contract and shall be read in conjunction therewith. This addendum shall take precedence over all requirements of the original plans and tender documents issued previously. The Tenderer must acknowledge receipt of this Addendum on Page FT-2 of the Form of Tender.

No. of Addendum Pages: 10

No. of Attachments: 5

- Outlet 57, 85, 36 and 94 Drainage Areas
  - 57: Third Street Storm Sewer Outlet, 1050mm dia.
  - 85: Division Street Pump Station Overflow, 600mm dia.
  - 36: Division Street Storm Sewer Outlet, 1200mm dia.
- Storm Sewer Analysis (Yarnell, 5 Year Storm) for Outlets 57, 85, 36 and 94
- Town of Cobourg Division Street Pumping Station Flows (2015-2020)
- Updated drawing package
- Updated Form of Tender – Schedule of Items and Prices

The Tenderer shall sign this Addendum in the space provided below and shall submit this Addendum in the same envelope as the tender.

Except as and to the extent that they are amended by the foregoing, all terms and conditions of the tender documents remain in full force and effect.

**New Closing Date:**

Please note the new closing date:

**2:00:00 P.M., Local Time, Thursday, August 11, 2022**



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**Clarifications:**

1. Liquidated Damages: Special Provisions General Item #5 is updated for consistency to reflect a liquidated damages amount of **“One Thousand, Two Hundred Dollars (\$1,200.00) as liquidated damages for each and every calendar days delay...”**
2. Access to centre pier: Drawing has been updated to show access to the centre pier.
3. Railing restoration: Railings on north and east walls are to be abrasive blast cleaned and painted per OPSS 911.
4. Storage Space with Town:

**Question:**

Is there additional storage space that the Town can provide in addition that the lay down area shown on the drawings.

**Answer:**

The Town can provide approximately 200 square meters of off-site outdoor storage for town assets such as light poles, signs, etc. at 95 Normar Rd, open Mon-Fri 8am-4pm.

5. Maintaining access for Coast Guard Building Construction and coordinating work with Coast Guard:

Additionally, work being completed by DFO to reconstruct the coast guard building is ongoing. This work is expected to be completed by 2023. The contractor shall coordinate work with this ongoing contract. Access will need to be provided at times to accommodate construction equipment and personnel accessing the building work area.

6. Bike Path width update: The width of the bike path to be re-instated is updated to 3m. Drawings R1 and R2 have been updated to reflect this width. Harbour signage at each end of the bike path has been re-located on the restoration plans to allow for the additional width of the bike path.
7. Soils Testing: The town has retained a QP to provide soils testing in accordance with O.Reg. 406/19. Their scope of work includes:
  - Assessment of Past Use
  - Sampling and Analysis Plan
  - Soil Characterization Report
  - Excess Soil Destination Assessment Report
  - Development and Application of a Tracking System

Information will be provided to successful bidder upon award.



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8. Paving Requirements: Clarification added to the drawings on sheet R2 and in the specifications as to the repaving requirements for the bike path and the east parking lot.
9. Critical Timing Issues: Bidder will consider the following marina operational timelines while preparing their bids. Any perceived conflicts should be noted and efforts taken to schedule construction work to allow for continued operations.

**2022 Approximate Timeline:**

- Boat Lift out Operations:     First Lift – October 1<sup>st</sup>  
  Second Lift – October 22<sup>nd</sup>
- Blow lines & winterize docks – October 24<sup>th</sup> to 28<sup>th</sup>
- Remove launch ramps – October 28<sup>th</sup> to November 1<sup>st</sup>
- Close fuel dock – December 12<sup>th</sup> – Coast Guard leaves December 16<sup>th</sup>

**2023 Approximate Timeline:**

- Coast Guard returns – March 20<sup>th</sup>
- Fuel dock opens – March 25<sup>th</sup>
- Pull dock chains – March 27<sup>th</sup> begin seasonal prep
- Move dredge back and launch from east pier – April 11<sup>th</sup>
- Attach dock ramps – April 17<sup>th</sup>
- Hook up water – April 20<sup>th</sup>
- Contractor on site for power – April 21<sup>st</sup> to 24<sup>th</sup>
- Boat Lift In – Last week of April first week of May at latest

10. Updates to Form of Tender – Schedule of Items and Prices  
Item B8 - Fuel Line Removal and Reinstatement: Price Added

Provisional Items update:

Items E1 to E5: Removed from Tender

Item E1 – Miscellaneous Works Allowance added

Items E6 renumbered as E2

Item E7 Sun Shades: Removed from Tender

Form of tender has been updated to include Miscellaneous Works Allowance and the following clarification for Testing Allowance..

**Miscellaneous Works Allowance – Item No. E1**

Payment shall be made under this Item on an approved time and material basis, not included elsewhere in the Contract and where agreed with the Contract Administrator. Time and material shall be paid using OPSS Table 127 rates and following GC.08 of OPSS.MUNI 100. Contractor to provide labour rates as part of their tender bid submission.



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Where additional materials are needed, these shall be purchased by the Contractor and reimbursement shall be on the basis of invoicing.

No work shall be done under this Item without the authorization of the Contract Administrator.

**Testing Allowance – Item No. E2**

Payment for testing will be made following satisfactory results and a copy of invoice from the testing company. Testing under this item must be requested by the Contract Administrator. No mark up by the Contractor will be allowed on this item.

11. Supplementary Specifications: SECTION 02070 Item 2.2 FIELD OFFICE: This item has been removed

12. Flow Rate Information

Question:

Is there data available for Midtown Creek flows at the outlet to Lake Ontario and the Cobourg Harbour?

Answer:

Midtown Creek Tributary Flows (*Ganaraska Region Conservation Authority and Town of Cobourg, Midtown Creek Hydrology Report, March 2007*)

**Please note that these flow summaries pre-date the construction of the Kerr Street Midtown Creek Reduction Pond. Therefore, design flows (2-year through 100-year) at the outlet of Midtown Creek will be less than indicated.**

**Table 5.2 Comparison of Flows for 6-hour SCS Storm**

Flow Node	Greenland model flows vs. GRCA model flows									
	5-year		10-year		25-year		50-year		100-year	
	GrInd	GRCA	GrInd	GRCA	GrInd	GRCA	GrInd	GRCA	GrInd	GRCA
1105 (golf course)	2.01	1.54	2.48	2.03	3.13	2.82	3.74	3.52	4.37	4.39
1106 (west branch @ 401)	1.99	1.79	2.48	2.35	3.17	3.20	3.79	3.92	4.47	4.63
1107 (west confluence)	1.94	1.78	2.44	2.32	3.15	3.12	3.76	3.78	4.42	4.44
1109 (main stream)	2.33	2.68	3.04	3.55	4.05	4.83	4.90	5.89	5.82	6.97
1110 (U/S of Elgin)	2.56	2.73	3.4	3.57	4.58	4.78	5.53	5.77	6.57	6.80
1112 (U/S of Division)	2.84	3.58	3.75	4.46	5.01	5.55	5.99	6.37	7.09	7.20
1113 (@ train tracks)	4.22	5.30	5.37	6.33	6.90	7.62	8.08	8.59	9.33	9.57
<b>1114 (outlet @ Lake)</b>	5.46	<b>12.66</b>	7.29	<b>15.83</b>	9.49	<b>19.06</b>	11.24	<b>21.48</b>	13.12	<b>23.93</b>



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Question:

Is there data available for storm sewer and pumping station flows at the outlet to Lake Ontario and the Cobourg Harbour?

Answer:

Historical volumes for the Division Street pumping station have been provided (2015-2020), as well as the storm drainage areas and design sheets for the storm sewer outlets.

**13.** Drawings have been updated with additional details and clarifications and are appended to this addendum.

**14.** The following items are added to Special Provisions General

**42. DATUM AND WATER LEVELS**

.1 Elevations shown on Contract Drawings are in metres with respect to Geodetic Survey of Canada (GSC).

.2 Chart Datum for Lake Ontario is 74.2 metres GSC.

.3 Water levels shown on the Contract Drawings for general information and convenience of Contractor, and are based on published reports. Notwithstanding, the Contractor's attention is drawn to the fact that water level oscillations of various durations and amplitudes are common inside the harbour and on Lake Ontario due to different natural causes. The Contractor will obtain all the information on water levels they deem necessary for their proper assessment of the effect the water levels may have on the work, its progress, and completion.

**43. BATHYMETRY**

.1 Lake bottom elevations shown on the Contract Drawings are approximate only. The Contractor shall perform their own survey of the lake bottom if they wish to have detailed information.

**15. Additions: Index to Supplementary Specifications - SP 1 Civil Works**

**Concrete Box Culvert (2400 mm x 1500 mm) – Item No. A26**

**Addition of the following paragraphs to the start of the section:**

*In regards to the schedule for the installation of the concrete box culvert and the connections, the Contractor shall take into consideration fluctuating seasonal Midtown Creek flows, storm water contributing flows and seasonal water levels in Lake Ontario. It is a requirement of the Contractor to give careful consideration to the aforementioned and to schedule work accordingly so that it is completed under optimal conditions when*



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*creek flows and water levels are least impactful on construction activities and in accordance with permit requirements.*

*Additionally, the Contractor shall be solely responsible to determine the methodology of the box culvert installation. The Contractor may elect to install the box culvert and connections either by in “the dry” method with diverting or pumping of creek water or by in “the wet” method while constructing the culvert in creek flows and Lake Ontario water level. An installation plan shall be submitted for approval by the Contract Administrator. By-pass Pumping and Flow Control of Midtown Creek shall be paid under its respective Item.*

### **Remove the following bullet point:**

- Connection of new box culvert to existing precast with manufactured or field fit collar, as per suppliers recommendation and approval by Contract Administrator.

### **Replace with:**

- Connection of new box culvert to existing precast box culvert with a manufactured or field fit collar, as per suppliers recommendation and approval by Contract Administrator. The connection to the existing precast box culvert shall be a watertight seal. There is a high probability that a portion of this connection will be completed under the lake water levels.

### **Abandon, Cap and Grout Existing Storm Sewer – Item No. A28 and A29**

#### **Paragraph to be removed:**

The Contractor shall supply and place 15 MPa concrete to plug the ends of abandoned storm sewer pipes subsequent to removal of catch basins and/or maintenance holes, if required. This also includes grouting the entire length of the 1200mm outlet in the northeast corner of the harbour, as well as the 600mm overflow outlet from the Division Street pumping station.

#### **Paragraph to be inserted:**

The Contractor shall supply and place 15 MPa concrete to plug the ends of abandoned storm sewer pipes **with a watertight bulkhead**, subsequent to removal of catch basins and/or maintenance holes, **as** required. This also includes grouting the entire length of the 1200mm outlet in the northeast corner of the harbour, as well as the 600mm overflow outlet from the Division Street pumping station.

### **PVC, Concrete, and Reinforced Concrete Storm Sewers and PVC Laterals – Items No. A36, A37, A38, A39**

#### **Addition of the following bullet point to the list**





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- Installation of bentonite (or approved equal) trench plugs and temporary pipe plugs (inflatable or otherwise), as required to accommodate the work.

**Removal of Existing Storm Sewer and Reinforced CIP Box Culvert – Item No. A23, A31**

- Addition of item A43 (Provisional)

**16. Additional Details For Supplementary Specifications Section 02070**  
**Item 3.3 Pre-Condition Survey**

A pre and post condition survey of the fuel tanks located in the fuel dock area shall be conducted by a qualified individual. This pre-condition survey shall be conducted prior to start of any excavation or piling work. The post-condition survey shall be conducted upon completion of all work in the area and prior to reconnection of the fuel lines. Payment for this item shall be included under payment item A2.

17. No additional site meetings will be held.

**Questions:**

**Q1.**

As per SECTION 02070 - SITE PREPARATION, DEMOLITION AND RESTORATION Items: A1, A2, A3, A12 B1, B2, B9, C1, C2, D1

1.2.2 Work Included: Removal of any obstructions to accommodate construction of the sheet pile wall, storing or stockpiling of materials, installation and maintenance of construction access route, tree and brush removal required to complete the work, supply, installation and maintenance of safety fences and/ or turbidity controls, site isolation from fish, traffic control, dust and mud control on site and along access and miscellaneous other site preparation tasks within the limit of contract noted on the drawings, removals of snow and ice, installation of top soil and sod, and the restoration of the site and access route(s) to existing conditions or better unless specified otherwise in the Contract and the provision of office trailer for the exclusive use of the Engineer.

What kind of obstructions are we dealing with. Is this shown somewhere in the geotechnical report or contract documents? How do you think a contractor can price unknowns? Is there any health and safety risk due to these obstructions to the contractor's workers? Is the shoreline native lands or have they been backfilled in the past. Do you have any information regarding this? Has this contract design works gone through an EA process?



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Can you please add these to the addendum. Or if there is a different email to send questions for addendum please let us know.

**A1:** Answers to each question are broken down below:

- a) What kind of obstructions are we dealing with.  
*The details of potential obstructions are unknown. The site has a long history of industrial use including marine terminals and railway. Information regarding the uses can be obtained on various web sites related to Cobourg Harbour history.*
- b) Is this shown somewhere in the geotechnical report or contract documents?  
*Geotechnical report completed by Terraprobe is included in the tender documents*
- c) How do you think a contractor can price unknowns?  
*The contractor is responsible for pricing its bid for the work.*
- d) Is there any health and safety risk due to these obstructions to the contractor's workers?  
*Sections IT clause #22 and SPG clause #18 address health and safety.*
- e) Is the shoreline native lands or have they been backfilled in the past.  
*The site has been filled over the past 150 years or more.*
- f) Do you have any information regarding this?  
*No specific details of past activities were found. As noted, information is available about the shoreline in public records.*
- g) Has this contract design works gone through an EA process?  
*No.*
- h) Can you please add these to the addendum?  
*An addendum will be issued*
- i) Or if there is a different email to send questions for addendum please let us know.  
*All question must be directed to "the Contract Administrator, Shoreplan Engineering Ltd. Telephone: 416-487-4576, Email: blane@shoreplan.com Attn: Bridget Lane, P.Eng." As noted in section IT clause #4 of the tender documents.*



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- Q2:** Soil report for the area around the fuel tanks (Have the tanks leaked, is the soil contaminated?)  
**A2:** There is no soils report beyond what has been provided.
- Q3:** Water flow rate from the outfalls to determine required volumes to pump.  
**A3:** Provided as an attachment to this addendum.
- Q4:** On the drawings it states both #10 and #11 tie rods to be used, please clarify.  
**A4:** Drawing has been updated to reflect #11 ties rods.
- Q5:** States tie rods to be installed by directional drilling, is this accurate?  
**A5:** There is no instruction within the contract to install tie rods via directional drilling.
- Q6:** Can you please extend the closing date by two weeks?  
**A6:** No, not at this time.
- Q7:** How many parking space has to be allotted during the construction work on the North wall?  
**A7:** The contractor should allow for the entire north row of parking spaces in both lots to be used by the client during construction, as shown on drawing R1 and clarified in section SPG item #15.
- Q8:** Instructions to Tenderers Item 29 notes the requirement to submit specific WSIB reports (i.e. NEER, CAD-7, MAP). These reports are no longer issued by WSIB however, the Workplace Injury Summary Report (WISR) can be generated and submitted. Please advise.  
**A8:** Please submit the WISR instead of the NEER, CAD-7 or MAP.

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

\_\_\_\_\_  
Signature of Tenderer