

April 11, 2019

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(18 Pages)

ADDENDUM No. 6
REQUEST FOR PROPOSAL No. 9117-18-7752
REVISED CLOSING DATE: 12:00 NOON (LOCAL TIME), APRIL 23, 2019

For: Basement Flooding Protection Program (BFPP) Capacity Assessment Studies
Study Areas 46-61, and 63-67

Please refer to the above Request for Proposal (RFP) document in your possession and be advised of the following:

I. DATE EXTENSIONS

1. The closing date has been extended from April 17, 2019, to April 23, 2019, at 12:00 noon (local time).

II. REVISIONS

1. Section 3.4.6

Replace the first sentence of Section 3.4.6.j with the following:

"Provide a minimum of two (2) references for each key team member identified in Table 3.2 for evaluating the experience and past performance."

2. Section 3.4.9

Delete Section 3.4.9.c, Section 3.4.9.d, and Section 3.4.9.e in their entirety.

3. Pricing Tables

Replace in their entirety, Tables 5.2A to 5.2F and Tables 5.3A to 5.3F of the original call documents with the revised Tables 5.2A to 5.2F and Tables 5.3A to 5.3F (Addendum 6, 12 pages) provided herein this Addendum.

4. Replace in its entirety, Table 4.1 Proposal Evaluation Form with the revised Table 4.1 Proposal Evaluation (Addendum 6, 1 page) provided herein this Addendum. Revised Table 4.1 (available points have been modified for two categories).

III. QUESTIONS AND ANSWERS

Q1. The WEAO event for this year is in Toronto and is from April 14-16, 2019. Can the City extend the deadline to April 19, 2019 since a lot of the consultants will be attending the WEAO?

A1. Yes, see Section II above.

Q2. Section 2.3.7 c 6 requires field investigation of Outfalls. Can the City confirm if this is all for Outfalls within each bundle or 50% of the Outfalls within each bundle?

A2. Storm outfalls within flood clusters and associated watersheds or sewersheds shall be surveyed. As stated in Section 2.3.7.a of the RFP, the Proponent shall assume that 50% or each Study Area will be within a Flood Cluster.

Q3. For Tables 5.3 A-F, item D2 requires Cost for local Calibration during PDR. Does the City envision a separate draft and final TM associated with this component to be part of the fees for this component?

A3. Documentation associated with undertaking local calibration shall be documented in the Preliminary Design Report (see Section 2.6.5.e of the RFP).

Q4. For purpose of costing, Can the City provide GIS information for basement flooding reports for Figures 2.23 through 2.43?

A4. No, this information will be provided to the successful Proponent. Note that basement flooding data is available on a per-Ward basis on the City's Open Data portal.

Q5. Page 78 (j) of the RFP indicates each team member is to provide a minimum of two references... Please confirm if it is all team members, or just key staff from Table 3.2. If it is all staff, can we append this information to the appendix?

A5. A minimum of two (2) references shall be provided for Key Team Members listed in Table 3.2. See Section II above.

Q6. Note F for Tables 5.1A to 5.1F (which refers to the base scope of services) indicates that the costs associated with the Archaeological and Cultural Heritage Assessment are to be included in the costs for TM #3 while Item F.5 of Table 5.4A to 5.4F includes an allowance for Cultural Heritage Assessments. Can you please confirm whether cultural heritage assessments are to be included as part of the base scope of the project or whether they will be covered as a provisional allowance for the preliminary design?

A6. Stage 1 archaeological assessment and a cultural heritage assessment shall be undertaken as part of TM#3 (base scope). In the event that project extents change during the preliminary design or a Stage 2 archaeological assessment is required, as identified during Stage 1 assessment, the provisional allowance under line item F.5 in Table 5.4A-F will be used.

- Q7. Can the City confirm whether item 2.6.5.b on page 61 of the RFP is to be included as part of the base scope of work or will this activity be paid from the provisional allowance? If it is to be considered base scope, can the City provide a basis to estimate the level of involved (e.g. assumption on the length of sewers downstream of proposed solutions that will need to be replaced due to condition)?**
- A7. Task outlined under item 2.6.5.b in the RFP shall be considered base scope of work. The City does not have a basis of estimate for the total length of downstream sewers that will need to be considered. Since such downstream sewers are expected to be primarily replaced in a like-for-like fashion, the effort associated with additional modelling is not expected to be significant.
- Q8. Does the financial auditor need to be named at the proposal stage?**
- A8. No.
- Q9. Can the executive summary be excluded from the total count of pages?**
- A9. Yes. The executive summary is excluded from the page limit identified in the RFP, but the executive summary should be no longer than 2 pages.
- Q10. Since for team F, subsection 1 is to be included in the main body of the proposal, can the City increase the limit of pages from 30 to 31 for proponents who submit for bundle F?**
- A10. Yes.
- Q11. Can you please confirm whether the flow monitoring plan will involve sewer flow only or does the City envision stream/surface flow data will be required as well? If stream flow is deemed to be required, can you please provide clarification on the breakdown of flow v/s level monitoring with respect to sewer and surface flow (i.e. how many level locations are intended for stream v/s sewer or outflow locations). Monitoring stream flow using only water levels will require a consultant developed rating curve at each location which will change the level of effort and cost compared to sewer monitoring only.**
- A11. The flow monitoring plan will involve sewer flow only.
- Q12. Please refer to Addendum 2, Att 2 Revised Tables, Table 5.2A to Table 5.2F (Addendum No.2): Unit Price Provisional Items – Study, should the multiple notation “(A)” be placed in columns 4 instead of Column 3? Please confirm.**
- A12. Correct. Please see the revised Tables 5.2A to 5.2F attached with this addendum. See Section III above.
- Q13. Please refer to Addendum 2, Att 2 Revised Tables, Table 5.2F (Addendum No.2): Unit Price Provisional Items –, should the estimated quantity for Item no B.5 be 14/20 instead of 14/280? Please confirm.**
- A13. Correct. Please see the revised Table 5.2F attached with this addendum. See Section III above.
- Q14. Please refer to Addendum 2, Att 2 Revised Tables, Table 5.3A to Table 5.3F (Addendum No.2): Maximum Limit of Percentage Fee and Provisional Items – Preliminary Design, Note B (all Tables) – it appears that the amount stated is short of one “0”? Please correct.**
- A14. Correct. Please see the revised Tables 5.3A to 5.3F attached with this addendum. See Section III above.

Q15. In section 3.4.5 f.1 it states “Projects completed by other firms (for example, while your key team members were working for these other firms) cannot be used for your corporate experience in subsection 1 of your proposal”. We assume that projects completed by staff that are with our firm but were undertaken as our firm participated as a subconsultant on the project can be used in Subsection 1 of our proposal. Please confirm.

A15. Subsection 1 of the proposal should address the corporate experience of the firm that is submitting the proposal (not the experience of the individual team members). The City will accept reference projects completed by the firm submitting the proposal as a subconsultant. It is up to the proponent to decide if the project meets the requirements listed in the RFP. Also, please consider that when the City checks references for the project, the reference must be familiar with the firm.

Q16. In section 3.4.5 f.1 it states “Projects completed by firms that are consortium members under your proposal can be used as experience in this subsection, as long as that consortium member was the prime/lead for that effort”. We assume that the word effort relates to a task, for example, the consortium member could use the experience for a project if they led (say) the hydraulic modelling component of a project.

A16. Yes the word effort can also be taken to mean a particular task of a project such as hydraulic modelling.

Q17. Will the City be identifying and providing accessible locations for installation of additional rain gauges?

A17. The Consultant will identify locations of proposed rain gauges as part of the Rainfall and Flow Monitoring Plan in TM#1. Referring to RFP Section 3.4.6.a.5., ability to access the proposed site is to be considered as part of site selection. The Consultant is responsible for making arrangements with site owners for access required to implement the monitoring plan. The City can assist, if necessary, in facilitating such arrangements with the appropriate City Division if the selected site is owned by the City.

Q18. In reference to Addendum 3, a sample time-task breakdown for the preliminary design phase is required for only Cluster A. Q20/A20 in Addendum three seems to suggest that a time-task breakdown is required for both the study phase and preliminary design services. Please confirm that the for preliminary design phase, a time-task is required for only Cluster A.

A18. In Addendum No. 3 the response to Q20 refers to Section I of the Addendum which states that a sample time-task breakdown for the preliminary design phase is required based on Bundle A and the scope of work associated with the Maximum Construction Cost as outlined in Table 5.3A.

Q19. In reference to Addendum 5, Section I – clarification was provided regarding company information for sub-consultants, specifically the information requirements outlined in RFP Section 3.4.5.e.1-5. Can this information be presented in an exhibit format (forming part of the proposal appendices) and excluded from the proposal page count?

A19. Yes.

- Q20. Can the City confirm whether the Constructability Report described in items 2.3.1.c.3.c and 2.3.12.m is to be completed for all alternatives identified or just for the preferred alternatives? Similarly, is cost estimation using the City's Cost Estimating Tool (as described in items 2.3.1.c.3.e and 2.3.12.p) to be completed for all alternatives or just for the preferred alternatives?**
- A20. The City expects that the Consultant considers alternatives for scenarios outlined in 2.3.12.k at a minimum, and presents them at a workshop with the City. In cases where both alternatives are considered viable, the City expects both constructability report and cost estimates to be prepared for both alternatives to determine the preferred.

Should you have any questions regarding this addendum contact Aimee Yang by email at aimee.yang@toronto.ca.

Please attach this addendum to your RFP document and be governed accordingly. Proponents must acknowledge receipt of all addenda in their Proposal as per Appendix A section 4, of the RFP document. All other aspects of the RFP remain the same.

Thank you,



Leanne Dacosta
Acting Manager, Professional Services
Purchasing and Materials Management Division

Table 4.1 (Addendum No. 6) – Proposal Evaluation Form

Stage 1. MANDATORY SUBMISSION REQUIREMENTS PASS/FAIL		
Mandatory Proposal Requirements (S 3.2)	PASS _____	FAIL _____
Stage 2. TECHNICAL PROPOSAL EVALUATION (Refer to S 3.4)		
Evaluation Criteria	Available Points	Proponent's Points
A. Proponent's Profile & Corporate Experience	10	
B. Organization Chart and Project Team	25	
C. Project Understanding and Approach	25	
D. Schedule and Time-Task Breakdown	15	
E. Innovation and Value Added	5	
F. Proposal Organization and Quality	5	
Stage 3. INTERVIEW (If applicable)		
Should an interview be scheduled, the interview will be used to clarify potential issues and adjust, if necessary, Proponent's scores assigned under the Stage above.		
Sub-total	85.0	
Stage 4. COST OF SERVICES PROPOSAL EVALUATION (Refer to S. 5)		
Formula: [lowest Bundles A-E average proposal cost divided by Proponent's Bundles A-E average proposal cost] x 15	15.0	
Total	100.0	

**Table 5.2A (Addendum No. 6): Unit Price Provisional Items - Study
Bundle A: Study Areas 48, 51 and 61**

Item No.	Description	Unit	Estimated Quantity (a)	Unit Price (b)	Cost (\$) (a x b)
B.1	Supply, install and remove flow monitoring equipment (See Note A)	Location	50	\$	\$
B.2	Supply, install and remove level monitoring equipment (See Note A)	Location	25	\$	\$
B.3	Flow monitoring and level monitoring equipment maintenance, data acquisition and QA/QC (See Note A & B)	Month/ Location	14/75 (1050)	\$	\$
B.4	Supply, install and remove rain gauge	Location	10	\$	\$
B.5	Rain gauge maintenance, data acquisition and QA/QC (See Note B)	Month/ Location	14/10 (140)	\$	\$
SUBTOTAL UNIT PRICE PROVISIONAL ITEMS (B) (To be carried forward to Table 5.5)					\$
HST @13%					\$
TOTAL UNIT PRICE PROVISIONAL ITEMS (including HST)					\$

Notes:

- A. Cost shall include monitoring sites located on Local, Collector, Arterial roads and river valleys. Cost shall factor in night time installation/removal/access.
- B. The monitoring period is not necessarily consecutive months. Cost shall factor in rental equipment for the monitoring period.

**Table 5.2B (Addendum No. 6): Unit Price Provisional Items - Study
Bundle B: Study Areas 49, 50, 53, and 54**

Item No.	Description	Unit	Estimated Quantity (a)	Unit Price (b)	Cost (\$) (a x b)
B.1	Supply, install and remove flow monitoring equipment (See Note A)	Location	65	\$	\$
B.2	Supply, install and remove level monitoring equipment (See Note A)	Location	30	\$	\$
B.3	Flow monitoring and level monitoring equipment maintenance, data acquisition and QA/QC (See Note A & B)	Month/ Location	14/95 (1330)	\$	\$
B.4	Supply, install and remove rain gauge	Location	10	\$	\$
B.5	Rain gauge maintenance, data acquisition and QA/QC (See Note B)	Month/ Location	14/10 (140)	\$	\$
SUBTOTAL UNIT PRICE PROVISIONAL ITEMS (B) (To be carried forward to Table 5.5)					\$
HST @13%					\$
TOTAL UNIT PRICE PROVISIONAL ITEMS (including HST)					\$

Notes:

- A. Cost shall include monitoring sites located on Local, Collector, Arterial roads and river valleys. Cost shall factor in night time installation/removal/access.
- B. The monitoring period is not necessarily consecutive months. Cost shall factor in rental equipment for the monitoring period.

**Table 5.2C (Addendum No. 6): Unit Price Provisional Items - Study
Bundle C: Study Areas 55, 58, 65 and 66**

Item No.	Description	Unit	Estimated Quantity (a)	Unit Price (b)	Cost (\$) (a x b)
B.1	Supply, install and remove flow monitoring equipment (See Note A)	Location	40	\$	\$
B.2	Supply, install and remove level monitoring equipment (See Note A)	Location	20	\$	\$
B.3	Flow monitoring and level monitoring equipment maintenance, data acquisition and QA/QC (See Note A & B)	Month/ Location	14/60 (840)	\$	\$
B.4	Supply, install and remove rain gauge	Location	15	\$	\$
B.5	Rain gauge maintenance, data acquisition and QA/QC (See Note B)	Month/ Location	14/15 (210)	\$	\$
SUBTOTAL UNIT PRICE PROVISIONAL ITEMS (B) (To be carried forward to Table 5.5)					\$
HST @13%					\$
TOTAL UNIT PRICE PROVISIONAL ITEMS (including HST)					\$

Notes:

- A. Cost shall include monitoring sites located on Local, Collector, Arterial roads and river valleys. Cost shall factor in night time installation/removal/access.
- B. The monitoring period is not necessarily consecutive months. Cost shall factor in rental equipment for the monitoring period.

**Table 5.2D (Addendum No. 6): Unit Price Provisional Items - Study
Bundle D: Study Areas 46 and 47**

Item No.	Description	Unit	Estimated Quantity (a)	Unit Price (b)	Cost (\$) (a x b)
B.1	Supply, install and remove flow monitoring equipment (See Note A)	Location	30	\$	\$
B.2	Supply, install and remove level monitoring equipment (See Note A)	Location	15	\$	\$
B.3	Flow monitoring and level monitoring equipment maintenance, data acquisition and QA/QC (See Note A & B)	Month/ Location	14/45 (630)	\$	\$
B.4	Supply, install and remove rain gauge	Location	10	\$	\$
B.5	Rain gauge maintenance, data acquisition and QA/QC (See Note B)	Month/ Location	14/10 (140)	\$	\$
SUBTOTAL UNIT PRICE PROVISIONAL ITEMS (B) (To be carried forward to Table 5.5)					\$
HST @13%					\$
TOTAL UNIT PRICE PROVISIONAL ITEMS (including HST)					\$

Notes:

- A. Cost shall include monitoring sites located on Local, Collector, Arterial roads and river valleys. Cost shall factor in night time installation/removal/access.
- B. The monitoring period is not necessarily consecutive months. Cost shall factor in rental equipment for the monitoring period.

**Table 5.2E (Addendum No. 6): Unit Price Provisional Items - Study
Bundle E: Study Areas 52, 57 and 59**

Item No.	Description	Unit	Estimated Quantity (a)	Unit Price (b)	Cost (\$) (a x b)
B.1	Supply, install and remove flow monitoring equipment (See Note A)	Location	80	\$	\$
B.2	Supply, install and remove level monitoring equipment (See Note A)	Location	40	\$	\$
B.3	Flow monitoring and level monitoring equipment maintenance, data acquisition and QA/QC (See Note A & B)	Month/ Location	14/120 (1680)	\$	\$
B.4	Supply, install and remove rain gauge	Location	20	\$	\$
B.5	Rain gauge maintenance, data acquisition and QA/QC (See Note B)	Month/ Location	14/20 (280)	\$	\$
SUBTOTAL UNIT PRICE PROVISIONAL ITEMS (B) (To be carried forward to Table 5.5)					\$
HST @13%					\$
TOTAL UNIT PRICE PROVISIONAL ITEMS (including HST)					\$

Notes:

- A. Cost shall include monitoring sites located on Local, Collector, Arterial roads and river valleys. Cost shall factor in night time installation/removal/access.
- B. The monitoring period is not necessarily consecutive months. Cost shall factor in rental equipment for the monitoring period.

**Table 5.2F (Addendum No. 6): Unit Price Provisional Items - Study
Bundle F: Study Areas 56, 60, 63, 64 and 67**

Item No.	Description	Unit	Estimated Quantity (a)	Unit Price (b)	Cost (\$) (a x b)
B.1	Supply, install and remove flow monitoring equipment (See Note B)	Location	70	\$	\$
B.2	Supply, install and remove level monitoring equipment (See Note B)	Location	35	\$	\$
B.3	Flow monitoring and level monitoring equipment maintenance, data acquisition and QA/QC (See Note B & C)	Month/ Location	14/105 (1470)	\$	\$
B.4	Supply, install and remove rain gauge	Location	20	\$	\$
B.5	Rain gauge maintenance, data acquisition and QA/QC (See Note C)	Month/ Location	14/20 (280)	\$	\$
SUBTOTAL UNIT PRICE PROVISIONAL ITEMS - STUDY (B) (To be carried forward to Table 5.5)					\$
HST @13%					\$
TOTAL UNIT PRICE PROVISIONAL ITEMS (including HST)					\$

Notes:

- A. Table 5.2F (Bundle F) only to be submitted by Proponents opting for a second Bundle.
- B. Cost shall include monitoring sites located on Local, Collector, Arterial roads and river valleys. Cost shall factor in night time installation/removal/access.
- C. The monitoring period is not necessarily consecutive months. Cost shall factor in rental equipment for the monitoring period.

Table 5.3A (Addendum No. 6): Maximum Limit of Percentage Fee and Provisional Items - Preliminary Design**Bundle A: Study Areas 48, 51 and 61**

Item	MCC (\$) (a)	Percentage of MCC (%) (b)	Maximum Percentage Fee (\$) (a x b)
C – PROVISIONAL ALLOWANCE PERCENTAGE FEE - PRELIMINARY DESIGN			
(See Notes A - E):			
C.1 Preliminary Design Services – Linear Works (sewers, watermain, box culverts, road reconstruction/ resurfacing)	\$33,750,000.00	%	\$
C.2 Preliminary Design Services - Storage Facilities (storage tanks, wet/dry ponds/wetlands)	\$11,250,000.00	%	\$
C.3 Preliminary Design Services – Green Infrastructure (e.g., bio-retention in the right-of-way)	\$2,250,000.00	%	\$
Total MCC (\$)	\$47,250,000.00		
SUBTOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (To be carried forward to Table 5.5A)			\$
			HST @13% \$
TOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (including HST)			\$
Item	Cost (\$)		
D – PROVISIONAL ITEMS – PRELIMINARY DESIGN			
D.1 TM#5 - Rainfall And Flow Monitoring Program Data Review and Analysis	\$		
D.2 Local Calibration During Preliminary Design	\$		
SUBTOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (D) (To be carried forward to Table 5.5A)			\$
			HST @13% \$
TOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (including HST)			\$

Notes:

- Percentage of MCC includes City approved disbursements as described in Section 5.2.
- The estimated MCC for all preliminary design services is \$47,250,000.00. The preliminary design fees will be based on a percentage of the Engineer's Estimate determined by the Consultant. This fee percentage shall be valid for a construction cost range of - 25% of the MCC to 100% of the MCC
- Payment for preliminary design services is on a lump sum basis following a fee payment schedule developed for the duration of the preliminary design for that Project/Study Area by the Vendor and approved by the City. The fee payment schedule must consider that payment for these items will be limited to a maximum of 80% of the total task value until receipt of the draft submission and to 100% upon acceptance of the final deliverable
- For costing purposes assume that three (3) preliminary design reports will be prepared for each Study Area.
- Maximum Percentage Fee adjustment for preliminary design services may be required as outlined in Section 5.8.2.

Table 5.3B (Addendum No. 6): Maximum Limit of Percentage Fee and Provisional Items - Preliminary Design**Bundle B: Study Areas 49, 50, 53, and 54**

Item	MCC (\$) (a)	Percentage of MCC (%) (b)	Maximum Percentage Fee (\$) (a x b)
C – PROVISIONAL ALLOWANCE PERCENTAGE FEE - PRELIMINARY DESIGN			
(See Notes A - E):			
C.1 Preliminary Design Services – Linear Works (sewers, watermain, box culverts, road reconstruction/ resurfacing)	\$33,750,000.00	%	\$
C.2 Preliminary Design Services - Storage Facilities (storage tanks, wet/dry ponds/wetlands)	\$11,250,000.00	%	\$
C.3 Preliminary Design Services – Green Infrastructure (e.g., bio-retention in the right-of-way)	\$2,250,000.00	%	\$
Total MCC (\$)	\$47,250,000.00		
SUBTOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (To be carried forward to Table 5.5B)			\$
HST @13%			\$
TOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (including HST)			\$
Item	Cost (\$)		
D – PROVISIONAL ITEMS – PRELIMINARY DESIGN			
D.1 TM#5 - Rainfall And Flow Monitoring Program Data Review and Analysis	\$		
D.2 Local Calibration During Preliminary Design	\$		
SUBTOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (D) (To be carried forward to Table 5.5B)			\$
HST @13%			\$
TOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (including HST)			\$

Notes:

- A Percentage of MCC includes City approved disbursements as described in Section 5.2.
- B The estimated MCC for all preliminary design Services is \$47,250,000.00. The preliminary design fees will be based on a percentage of the Engineer's Estimate determined by the Consultant. This fee percentage shall be valid for a construction cost range of - 25% of the MCC to 100% of the MCC
- C Payment for preliminary design services is on a lump sum basis following a fee payment schedule developed for the duration of the preliminary design for that Project/Study Area by the Vendor and approved by the City. The fee payment schedule must consider that payment for these items will be limited to a maximum of 80% of the total task value until receipt of the draft submission and to 100% upon acceptance of the final deliverable
- D For costing purposes assume that three (3) preliminary design reports will be prepared for each Study Area.
- E Maximum Percentage Fee adjustment for preliminary design services may be required as outlined in Section 5.8.2.

Table 5.3C (Addendum No. 6): Maximum Limit of Percentage Fee and Provisional Items - Preliminary Design

Bundle C: Study Areas 55, 58, 65 and 66

Item	MCC (\$) (a)	Percentage of MCC (%) (b)	Maximum Percentage Fee (\$) (a x b)
C – PROVISIONAL ALLOWANCE PERCENTAGE FEE - PRELIMINARY DESIGN			
(See Notes A - E):			
C.1 Preliminary Design Services – Linear Works (sewers, watermains, box culverts, road reconstruction/ resurfacing)	\$33,750,000.00	%	\$
C.2 Preliminary Design Services - Storage Facilities (storage tanks, wet/dry ponds/wetlands)	\$11,250,000.00	%	\$
C.3 Preliminary Design Services – Green Infrastructure (e.g., bio-retention in the right-of-way)	\$2,250,000.00	%	\$
Total MCC (\$)	\$47,250,000.00		
SUBTOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (To be carried forward to Table 5.5C)			\$
HST @13%			\$
TOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (including HST)			\$
Item	Cost (\$)		
D – PROVISIONAL ITEMS – PRELIMINARY DESIGN			
D.1 TM#5 - Rainfall And Flow Monitoring Program Data Review and Analysis	\$		
D.2 Local Calibration During Preliminary Design	\$		
SUBTOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (D) (To be carried forward to Table 5.5C)			\$
HST @13%			\$
TOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (including HST)			\$

Notes:

- A Percentage of MCC includes City approved disbursements as described in Section 5.2.
- B The estimated MCC for all preliminary design Services is \$47,250,000.00. The preliminary design fees will be based on a percentage of the Engineer's Estimate determined by the Consultant. This fee percentage shall be valid for a construction cost range of - 25% of the MCC to 100% of the MCC
- C Payment for preliminary design services is on a lump sum basis following a fee payment schedule developed for the duration of the preliminary design for that Project/Study Area by the Vendor and approved by the City. The fee payment schedule must consider that payment for these items will be limited to a maximum of 80% of the total task value until receipt of the draft submission and to 100% upon acceptance of the final deliverable
- D For costing purposes assume that three (3) preliminary design reports will be prepared for each Study Area.
- E Maximum Percentage Fee adjustment for preliminary design services may be required as outlined in Section 5.8.2.

Table 5.3D (Addendum No. 6): Maximum Limit of Percentage Fee and Provisional Items - Preliminary Design**Bundle D: Study Areas 46 and 47**

Item	MCC (\$) (a)	Percentage of MCC (%) (b)	Maximum Percentage Fee (\$) (a x b)
C – PROVISIONAL ALLOWANCE PERCENTAGE FEE - PRELIMINARY DESIGN			
(See Notes A - E):			
C.1 Preliminary Design Services – Linear Works (sewers, watermains, box culverts, road reconstruction/ resurfacing)	\$22,500,000.00	%	\$
C.2 Preliminary Design Services - Storage Facilities (storage tanks, wet/dry ponds/wetlands)	\$7,500,000.00	%	\$
C.3 Preliminary Design Services – Green Infrastructure (e.g., bio-retention in the right-of-way)	\$1,500,000.00	%	\$
Total MCC (\$)	\$31,500,000.00		
SUBTOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (To be carried forward to Table 5.5D)			\$
			HST @13% \$
TOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (including HST)			\$
Item	Cost (\$)		
D – PROVISIONAL ITEMS – PRELIMINARY DESIGN			
D.1 TM#5 - Rainfall And Flow Monitoring Program Data Review and Analysis	\$		
D.2 Local Calibration During Preliminary Design	\$		
SUBTOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (D) (To be carried forward to Table 5.5D)			\$
			HST @13% \$
TOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (including HST)			\$

Notes:

- A Percentage of MCC includes City approved disbursements as described in Section 5.2.
- B The estimated MCC for all preliminary design Services is \$31,500,000.00. The preliminary design fees will be based on a percentage of the Engineer's Estimate determined by the Consultant. This fee percentage shall be valid for a construction cost range of - 25% of the MCC to 100% of the MCC
- C Payment for preliminary design services is on a lump sum basis following a fee payment schedule developed for the duration of the preliminary design for that Project/Study Area by the Vendor and approved by the City. The fee payment schedule must consider that payment for these items will be limited to a maximum of 80% of the total task value until receipt of the draft submission and to 100% upon acceptance of the final deliverable
- D For costing purposes assume that three (3) preliminary design reports will be prepared for each Study Area.
- E Maximum Percentage Fee adjustment for preliminary design services may be required as outlined in Section 5.8.2.

Table 5.3E (Addendum No. 6): Maximum Limit of Percentage Fee and Provisional Items - Preliminary Design**Bundle E: Study Areas 52, 57 and 59**

Item	MCC (\$) (a)	Percentage of MCC (%) (b)	Maximum Percentage Fee (\$) (a x b)
C – PROVISIONAL ALLOWANCE PERCENTAGE FEE - PRELIMINARY DESIGN			
(See Notes A - E):			
C.1 Preliminary Design Services – Linear Works (sewers, watermain, box culverts, road reconstruction/ resurfacing)	\$33,750,000.00	%	\$
C.2 Preliminary Design Services - Storage Facilities (storage tanks, wet/dry ponds/wetlands)	\$11,250,000.00	%	\$
C.3 Preliminary Design Services – Green Infrastructure (e.g., bio-retention in the right-of-way)	\$2,250,000.00	%	\$
Total MCC (\$)	\$47,250,000.00		
SUBTOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (To be carried forward to Table 5.5E)			\$
			HST @13% \$
TOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (including HST)			\$
Item	Cost (\$)		
D – PROVISIONAL ITEMS – PRELIMINARY DESIGN			
D.1 TM#5 - Rainfall And Flow Monitoring Program Data Review and Analysis	\$		
D.2 Local Calibration During Preliminary Design	\$		
SUBTOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (D) (To be carried forward to Table 5.5E)			\$
			HST @13% \$
TOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (including HST)			\$

Notes:

- A Percentage of MCC includes City approved disbursements as described in Section 5.2.
- B The estimated MCC for all preliminary design Services is \$47,250,000.00. The preliminary design fees will be based on a percentage of the Engineer's Estimate determined by the Consultant. This fee percentage shall be valid for a construction cost range of - 25% of the MCC to 100% of the MCC
- C Payment for preliminary design services is on a lump sum basis following a fee payment schedule developed for the duration of the preliminary design for that Project/Study Area by the Vendor and approved by the City. The fee payment schedule must consider that payment for these items will be limited to a maximum of 80% of the total task value until receipt of the draft submission and to 100% upon acceptance of the final deliverable
- D For costing purposes assume that three (3) preliminary design reports will be prepared for each Study Area.
- E Maximum Percentage Fee adjustment for preliminary design services may be required as outlined in Section 5.8.2.

Table 5.3F (Addendum No. 6): Maximum Limit of Percentage Fee and Provisional Items - Preliminary Design**Bundle F: Study Areas 56, 60, 63, 64 and 67**

Item	MCC (\$) (a)	Percentage of MCC (%) (b)	Maximum Percentage Fee (\$) (a x b)
C – PROVISIONAL ALLOWANCE PERCENTAGE FEE - PRELIMINARY DESIGN			
(See Notes A - E):			
C.1 Preliminary Design Services – Linear Works (sewers, watermain, box culverts, road reconstruction/ resurfacing)	\$45,000,000.00	%	\$
C.2 Preliminary Design Services - Storage Facilities (storage tanks, wet/dry ponds/wetlands)	\$15,000,000.00	%	\$
C.3 Preliminary Design Services – Green Infrastructure (e.g., bio-retention in the right-of-way)	\$3,000,000.00	%	\$
Total MCC (\$)	\$63,000,000.00		
SUBTOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (To be carried forward to Table 5.5F)			\$
			HST @13% \$
TOTAL PROVISIONAL ALLOWANCE PERCENTAGE FEE PRELIMINARY DESIGN (C) (including HST)			\$
Item	Cost (\$)		
D – PROVISIONAL ITEMS – PRELIMINARY DESIGN			
D.1 TM#5 - Rainfall And Flow Monitoring Program Data Review and Analysis	\$		
D.2 Local Calibration During Preliminary Design	\$		
SUBTOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (D) (To be carried forward to Table 5.5F)			\$
			HST @13% \$
TOTAL PROVISIONAL ITEMS – PRELIMINARY DESIGN (including HST)			\$

Notes:

- A Percentage of MCC includes City approved disbursements as described in Section 5.2.
- B The estimated MCC for all preliminary design Services is \$63,000,000.00. The preliminary design fees will be based on a percentage of the Engineer's Estimate determined by the Consultant. This fee percentage shall be valid for a construction cost range of - 25% of the MCC to 100% of the MCC
- C Payment for preliminary design services is on a lump sum basis following a fee payment schedule developed for the duration of the preliminary design for that Project/Study Area by the Vendor and approved by the City. The fee payment schedule must consider that payment for these items will be limited to a maximum of 80% of the total task value until receipt of the draft submission and to 100% upon acceptance of the final deliverable
- D For costing purposes assume that three (3) preliminary design reports will be prepared for each Study Area.
- E Maximum Percentage Fee adjustment for preliminary design services may be required as outlined in Section 5.8.2.