Corporate Finance Department

*Materials Management Division*   **87-2017 ADDENDUM 1**

Winnipeg

REQUEST FOR PROPOSAL FOR WEB BASED DATA MANAGEMENT AND ANALYSIS SERVICE FOR RAINFALL MONITORING NETWORK

ISSUED: March 6, 2017
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## URGENT

**PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE REQUEST FOR PROPOSAL**

**THIS ADDENDUM SHALL BE INCORPORATED INTO THE REQUEST FOR PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS**
Template Version: Ar20160708

**Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Request for Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 9 of Form A: Proposal may render your Proposal non-responsive.**

## PART D-SUPPLIMENTARY CONDITIONS

Revise D9.1(a) to read:

D9.1(a) **If the Web Based Data Management Platform is off-line for more than one Working Day. The Contractor shall pay one hundred dollars ($100) per Working Day for each and every Working Day following the day fixed herein until the Work is completed.**

Delete D9.1(b)

ADD D12:

**D12      PAYMENT DEDUCTIONS**

**D12.1    The Contractor shall have the web based site ready for data hosting and able for the City of Winnipeg staff to download the data within three weeks of receipt of award, in accordance with D1.1, the contractor shall pay the City two hundred dollars ($200) per Working Day for each and every Working Day following the day fixed herein until the Work is completed.**

**D12.2    The Contractor has six weeks to complete the web based data management platform requirements. If the Contractor fails to complete the Web Based Data Management Platform within six weeks of receipt of award, in accordance with D1.1, the contractor shall pay the City two hundred dollars ($200) per Working Day for each and every Working Day following the day fixed herein until the Work is completed.**

**D12.3    Once repairs are completed the contractor shall contact the contract administrator and payment deductions will no longer be applied.**

## PART E – SPECIFICATIONS

Revise E2.1(a) to read:

**E2.1(a) The Contractor shall have the web based site ready for data hosting and able for the City of Winnipeg staff to download the data within three weeks of receipt of award;**

Revise E2.1(b) to read:

**E2.1(b) The Contractor has six weeks to complete the web based data management platform requirements as stated in E3.3(b); and**

Revise E3.1(f) to read:

E3.1(f)  The Contractor shall provide a plan that outlines the Contractor's procedure for dealing with website/server failure.  This should include how the Contractor plans to fix the problem, the timeframe for fixing the problem and how the Contractor will provide data in the interim.  **The Web Based Management Platform must not be off-line for more than one Working day stated in D9.1(c).**

Revise E3.3 to read:

E3.3  Data Display, Editing and Analysis

(a)  The Contractor shall have or be able to develop the following within three weeks of receipt of award.  For each item, state whether the item is already developed or needs to be developed:

**(i)  The Contractor shall have the web based site ready for data hosting and able for the City of Winnipeg staff to download the data.**

(b)  **The Contractor shall have or be able to develop the following within six weeks of receipt of award. For each item, state whether the item is already developed or needs to be developed:**

(ii)  The Service shall display rainfall information on a map based User interface. It should also display station information, such as current status, today's rainfall or the latest rainfall event and display general site information;

(iii)  The Service shall provide a display map of the City of Winnipeg that auto-generates rainfall isohyetal (accumulation) maps (see example in **Appendix A**) and intensity (including return periods) maps (see example in **Appendix B**);

(iv)  The Service shall include built-in features to allow graphs, maps and data for specified time periods to be downloaded directly into MS Excel spreadsheets, and/or comma separated value files on demand.  Also include built-in features to print graphs and maps directly from website;

(v)  The Service shall have the ability to create a rainfall static display from a map graphic supplied by the City of Winnipeg.  This map will allow the User to select specific dates to generate a static rainfall accumulation map.  This map will be available to the City of Winnipeg staff and to the public.  The Contractor shall not place any advertisements on the map or site other than approved City of Winnipeg branding;

(vi)  The Service shall provide an IDF analysis tool that can define rainfall events against City of Winnipeg defined IDF curves (see example in **Appendix C**) for periods from 15 minutes to 12 hours and provide a feature to produce IDF reports.  This tool should identify the station with the maximum intensity, and maximum accumulation and be able to define the intensity for all stations for a given time period;

(vii)  The service shall provide an HYETO chart capability to display the time and amount of rainfall (see example in **Appendix D**).

(viii)  The Service shall produce on demand rainfall data organized into daily, weekly, monthly and annual tabular data summary reports;

(ix)  The Service shall provide graphical data editing capabilities including the ability to select data directly on graphs or in tables, and edit the data including making changes to individual data points. This feature should have metadata associated with all changes;

(x)  The Service shall have the ability to display raw and final rainfall data, hydrograph format and hyetograph format for any specified time period;

(xi)  The Service shall allow multiple parameters from different sites to be displayed on the same graph or as a set of individual graphs by site with the same parameters selected; and

(xii)  The Service shall provide an analysis tool that can validate rainfall from historical and current events by allowing the User to plot the cumulative rainfall total from one station against another for a given time period.