



ADDENDUM # 1OF 1

Project Name: Supply Arrangement Terms and Conditions - Structural Engineering Services
Project No.: N/A
Solicitation No.: AWT-AESVC-STRCUCT-15129
Date: 30 July 2018

The following supplements and/or supersedes the request for proposals documents issued on 11 July 2018. This addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. Any change to the cost of the work as a result of this addendum is to be included in the price proposal. The following revisions supersede the information contained in the original Request for Proposals Package for the above-mentioned project to the extent referenced and shall become part thereof.

1. **A7** is amended as follows:

DELETE: In order for a Proposal to be valid, it must be received no later than 1400 h on 21 August 2018 (Ottawa, Ontario time).
REPLACE BY: In order for a Proposal to be valid, it must be received no later than 1400 h on 11 September 2018 (Ottawa, Ontario time).

2. **SR1 DEFINITIONS** is amended as follows:

ADD:

Physical Security Engineer A Physical Security Engineer is a Professional Engineer, licensed to practice in Canada, who specialises in the design of systems using the application of engineering principles (physical, personnel, and security measures) to protect Realty Assets and operations against malicious attacks.

3. **SR4.2** is amended as follows:

DELETE: SR4.2 in its entirety.
REPLACE BY: SR4.2 as follows:

SR4.2 Experience of Personnel (50 points)

Intent:

To evaluate the recent experience of each proposed team member on projects of similar scope to the Description of Services.

Proponents MUST propose all Personnel Types listed in the table below.

- A. It is a mandatory requirement that the Personnel Types in Grid 1 are **in-house staff**.
- B. Up to thirty-three (33) points will be awarded as follows:
 - 1. Additional points for each project completed by the Personnel Types listed in Grid 1, in addition to those already required to meet SR4.2.A (up to a maximum of eleven (11) points);
 - 2. Additional points for each personnel type listed in Grid 2 that meets the Years of Experience and # of Recent Projects of Similar Scope required for that resource, as specified in Grid 2 (up to a maximum of twenty-two (22) points);

Proponents may gain the additional 4 points by meeting any combination of the criteria in SR3.2.B.



Grid 1			
Personnel Type	Years of Experience	# of Recent Projects of Similar Scope	Points
Senior Structural Engineer – Licensed Professional Engineer	15	5	6
Intermediate Structural Engineer – Licensed Professional Engineer	10	3	5

Grid 2			
Personnel Type	Years of Experience	# of Recent Projects of Similar Scope	Points
Architect – Licensed Professional Architect	7	3	1
Mechanical Engineer – Licensed Professional Engineer	7	3	1
Electrical Engineer – Licensed Professional Engineer	7	3	1
CAD Operator/Draftsperson	2	2	1
Site Engineer/Technician	3	3	2
Junior Structural Engineer	5	3	2
Civil Engineer – Licensed Professional Engineer	10	5	4
Geotechnical Engineer – Licensed Professional Engineer	10	5	3
Seismologist	10	5	3
Physical Security Engineer – Licensed Professional Engineer	10	5	3
Structural Technical Support	1	2	1

To obtain additional points (up to a maximum of seventeen (17) additional points), Proponents must demonstrate project experience more closely related to the required work in the Description of Services (e.g. International projects/experience, innovative seismic retrofit designs, seismic upgrades to heritage structures, blast and security related, cost and scope of project).



Information to be submitted:

The information to be provided here can consist of existing material (résumés, brochures, corporate profiles, reference letters, etc.). To facilitate evaluation, information for each proposed team member **MUST** include:

- a. area(s) of expertise of individuals being proposed who would be involved with the project and the role for which they will be responsible;
- b. individuals' years of experience;
- c. individuals' years with the Proponent entity;
- d. responsibilities held, by the individuals being proposed, for projects they have completed;
- e. identify certification and licensing of personnel, as may be appropriate;
- f. location of project;
- g. dates of participation in the project; and
- h. Dollar value in CAD.

Rating:

Significantly exceeds the requirement 45-50	Exceeds the requirement 23-44	Adequate 1-22	Does not meet the requirement 0
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Note: Simply reprinting excerpts from the Description of Services does **NOT** demonstrate an appropriate level of roles and responsibilities as required in SR4.1 and SR4.2.

Note: Simply stating that personnel have work experience identical to the requirements in the Description of Services does **NOT** demonstrate an equivalent level of experience as required in SR4.1 and SR4.2.

4. **Section “IV” – Price Proposal** is amended as follows:

DELETE: Section “IV”, Price Proposal, Personnel Type Table.

REPLACE BY: Section “IV”, Price Proposal, Personnel Type Table as follows:

Personnel Type	Initial 2-Year SA Term (a)	Option Year 1 (b)	Option Year 2 (c)	Option Year 3 (d)	Total (2a+b+c+d) (e)	Average (e/5) (f)	Weighting for Evaluation (g)	Weighted Average (f x e) (h)
Senior Structural Engineer – Licensed Professional Engineer							.14	
Intermediate Structural Engineer – Licensed Professional Engineer							.20	
Junior Structural Engineer							.06	
Structural Technical Support							.06	
Civil Engineer – (blended rate)							.10	
Geotechnical Engineer – (blended rate)							.10	
CAD Operator/Draftsperson							.06	



Site Engineer/Technician							.06	
Seismologist							.10	
Physical Security Engineer - (blended rate)							.05	
Architect - (blended rate)							.04	
Mechanical Engineer - (blended rate)							.04	
Electrical Engineer - (blended rate)							.04	
TOTAL								

5. The **Description of Services** is amended as follows

ADD: Article 1.3.4 as follows.

1.3.4 The Description of Services defines Professional Services requirements which may or may not need to be subcontracted to deliver the services under this Supply Arrangement.

DELETE: Article 2.1.12 in its entirety.

REPLACE BY: Article 2.1.12 as follows.

2.1.12 Physical Security Related Studies

2.1.12.1 Blast Studies

2.1.12.1.1 The Consultant will be required to use structural and architectural drawings, in order to either:

2.1.12.1.1.1 Determine the blast load capacity of the overall structure, and its specific elements, at a prescribed stand-off distance; or,

2.1.12.1.1.2 Determine the performance of the overall structure, and its specific elements, under a prescribed charge size and stand-off distance.

2.1.12.1.2 Should drawings not be available and/or insufficient information be provided, then the Consultant must undertake a site survey to obtain the required data to complete a blast load study.

2.1.12.1.3 All blast analyses must be completed using the analysis methods described in CSA/S850-12 “Design and assessment of building subjected to blast loads”, Section 8.3 Analysis Methods. The consultant must clearly state which method was employed and provide justification as to why this method was appropriate for the particular structure and/or threat scenario. Response limits and acceptable hazard levels for all structural elements will be defined by DFATD.

2.1.12.1.4 Results of the assessment must be summarized and must include a matrix of threat scenarios and damage levels for all components analysed.



2.1.12.2 Perimeter Security Related Studies

2.1.12.2.1 The Consultant will be required to assess potential threats and vulnerabilities to the Mission, such as vehicle-borne threats, ballistic threats, and forced-entry threats. The consultant will then, determine the existing capacity of the overall perimeter and building envelope to resist identified threats and develop strategies to provide appropriate mitigation measures. Security requirements for the aforementioned threats will be provided by DFATD. As this is a very specific expertise, the Consultant may be required to subcontract this work.

2.1.12.2.2 Should documentation not be available and/or insufficient information be provided, then the Consultant must undertake a site survey to obtain the required data to complete an assessment.

6. Question #1

This RFSA requires a seismologist be listed as a subconsultant. Please confirm if an alternate seismic hazard and risk expert/specialist is acceptable if they are qualified to perform the required services, analyses and studies identified for a seismologist listed under 2.1 Investigation and Study Services.

Answer

We define a seismologist in our definitions. Anyone who determines seismic hazard (i.e. PGA, S_a , etc.) for different probabilities of exceedance in 50 years, in a global context, as part of their regular duties, could be considered qualified. They must be able to provide credentials.

End of Addendum # 1