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SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise
indicated, all other terms and conditions of the Solicitation
remain the same.

Ce document est par la présente révisé; sauf indication contraire,
les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
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fournisseur/de l'entrepreneur

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Pacific Region
800 Burrard Street, Room 219
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V6Z 0B9

Title - Sujet Palace Grand Theatre Foundation Rep	
Solicitation No. - N° de l'invitation EZ899-152418/A	Amendment No. - N° modif. 012
Client Reference No. - N° de référence du client	Date 2015-07-29
GETS Reference No. - N° de référence de SEAG PW-\$PWY-022-7522	
File No. - N° de dossier PWY-5-38030 (022)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-08-04	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Arthur (PWY), Carolyn	Buyer Id - Id de l'acheteur pwy022
Telephone No. - N° de téléphone (604) 775-6667 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Parks Canada - Palace Grand Theatre - Dawson City, YT	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Les documents français seront disponibles sur demande.

Amendment 12

This Amendment 12 is raised to :

- 1) Incorporate addendum 7
- 2) Extend the bid closing date of this solicitation.

1) Please see attached addendum 7

2) **Extension of time**

Extension of Time for Tenderers

Palace Grand Theatre Foundation Replacement
Palace Grand Theatre, Dawson City, YT

Solicitation No: EZ899-152418/A

Notice is hereby given that the time for reception of tenders previously due at 2:00 p.m. P.D.S.T. on 31 July 2015 is hereby extended to **2:00 p.m. P.D.S.T. on 04 August 2015.**

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED

Solicitation No. - N° de l'invitation

EZ899-152418/A

Client Ref. No. - N° de réf. du client

Amd. No. - N° de la modif.

012

File No. - N° du dossier

PWY-5-38030

Buyer ID - Id de l'acheteur

pw022

CCC No./N° CCC - FMS No/ N° VME

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**Marchés immobiliers
Travaux publics et Services gouvernementaux Canada
800, rue Burrard, bureau 219
Vancouver (C.-B.) V6Z 0B9**

Offre n°: EZ899-152418/A

Date et heure limites de réception des soumissions: 04 AOÛT 2015, 1400 h

Sujet: Remplacement de la fondation du Théâtre Palace Grand, Dawson City, Yukon

CA

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

This Addendum contains eight (8) pages including these five (5) pages, one (1) addendum sketch AD-S01 Rev A, Electrical addendum No. E04 (1) page, and the end cover page.

SPECIFICATION

1. 01 11 55 – General Instructions

- .1 **Revise** Item 1.5.1 c) to be read as “All other works can be performed during the specified period of the development of the adfreeze capacity for new piles, e.g., concrete pile cap construction structural steel frame installation, crawl space floor grading, etc. **except as noted in item 1.5.1 d)**, provided that the existing theatre building are supported by existing piles and/or temporary shoring so that the new piles are not loaded to carry the theatre building until the development of the adfreeze capacity. **The pile cap concrete construction shall not start until after 10 days following pile installation unless directed by the Departmental Representative.”**
- .2 **Add** Item 1.5.1 d) The concrete pile cap construction on top of the test piles (2 for steel pipe piles and 6 for micropiles as per tender specifications) selected by the Departmental Representative shall not start until the completion of satisfactory pile load test confirmed by the Departmental Representative.

2. 31 63 00 – Micropiles

- .1 **Revise** Item 9 Performance Test to be static axial tension load test.

3. 31 62 18 – Steel Pipe Piling

- .1 **Add** item 3.1.21 – The annulus outside of the pipe should be filled with Sika grout first, prior to placing concrete in the pile interior.

DRAWINGS

1. Drawing S1

- .1 **Add** item 4 under “EXISTING STRUCTURE”:

Contractor shall verify on-site the existing building condition with the existing building plans attached in the specification appendix C prior to their detailed design for their temporary works, including lifting or moving the building if applicable.

2. Drawing S5

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

- .1 **Clarify** the rebar cage depth for the steel pipe pile as per attached addendum sheet AD-S01 Revision A.

3. Drawings S1 to S9

Clarify that the all existing timber piles, except the ones supporting the mechanical room as indicated on plan, are to be decommissioned & cut off **at the top of** the new insulation and dispose them off site. **The insulation can be placed around the pile so that a heaving pile does not damage the insulation.** Contractor shall consider and make allowance that existing timber piles were creosote treated and shall follow health and safety requirements as well as waste management and disposal requirements as per tender documents as well as other requirements as specified by Code and local authority having jurisdiction for handling and disposal of those piles.

QUESTIONS AND RESPONSES TO BIDDER'S QUERIES:

QUESTION:

With the issue of Amendment No 008, we understand the demolition of the sprinkler pipes is by others. Since the contractor is responsible for the fire safety and care and custody of the theatre building, can you please clearly update the as-built condition/status of the building fire alarm/sprinkler systems within the building the contractor will be responsible for?

With Amendment 008, there is not a complete or adequate description of the "new" found condition for fire safety systems within the Palace Grand Theatre. The status of the fire protection system for this building will be different than what we reviewed during our site visit and there is no description of what work will be completed on the fire alarm and sprinkler system prior to the start of this contract. Please provide a description of the operational capacity of the fire alarm and fire sprinkler systems that will be in place at the start of this contract. This is mandatory for the contractor to comply with the requirements identified in Amendment No 004 under "Drawings" Item 1. Drawing S1 and in Amendment No 008 Specification 01 35 33 "...whenever the fire protection and alarm systems of the building are not operational".

RESPONSE:

The existing fire alarm system has not been tested or verified for a few years.

It is the responsibility of the contractor to reconnect the fire alarm system, as disconnected. When the contractor is ready, the fire alarm system shall be verified according to CAN/ULC-S537 standards. It is not the responsibility of the contractor to bring the system up to code or pass verification.

When complete the fire alarm system shall be operational and able to dial out a fire alarm signal to the local fire hall.

All sprinkler system renovations identified on the now-deleted M2 will be complete by others at the commencement of the contract, including re-filling of the now modified sprinkler system.

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

QUESTION:

Can the 900 mm offset from the face of the building for the steel pipe piles be increased to 1700mm?

RESPONSE:

The specified 900mm maximum offset can not be increased due to heritage guideline, property line issue and appearance of the building, etc. The tender submission shall be based on the specified maximum offset of 900mm.

QUESTION:

If our interpretation of the limited access for the drill rigs on the east wall of the theatre is accurate and the only option for installing the steel pipe piles as per plans/specifications is to move the building and if there is no increase to the 900 mm offset from the face of the building for the steel pipe piles, we are requesting the Owner to:

- a) Identify the integral moving of the entire building including the mechanical room (Construction Methodology 4) as the only "*Construction Methodology*" for this project.
- b) Provide an engineering design, detailed procedure and detailing for the preparation and moving of the entire theatre building and mechanical room as an integral and single building.

RESPONSE:

- a) It is up to the contractor to choose one of the specified four (4) construction methodologies to complete the work. Contractor shall follow the requirements specified in tender documents for each construction methodology.
- b) If construction methodology 4 is chosen, contractor shall provide an engineering design, detailed procedure and detailing for the temporary moving of the building as specified in the tender documents.

QUESTION:

If the owner will not consider an increase to the offset distance, can you please share the information as to what model and size of drill is considered suitable to accommodate the drilling as per plan?

RESPONSE:

It is contractor's responsibility to choose their own proper equipments and working procedures to work within the site constraint.

QUESTION:

Related to specification 31 62 18

- At what stage of the work is it allowable for the contractor responsible for the construction of the concrete pile caps to make the "final cut" as per Item 3.2.2?

□

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

- When and for how long does the contract require the contractor to measure each pile for “heave and displacement” as per Item 3.2.3?
- When is the contractor no longer responsible for any “heave and displacement” that meets or exceeds 6 mm for any pile?

RESPONSE:

The contractor should monitor for heave and displacement on a daily basis for a period of at least 10 days following installation of each pile or as directed by the Departmental Representative. Construction at pile tops can proceed 10 days following installation, provided that there is no measurable movement of the piles, subject to the approval of the Departmental Representative. The contractor will no longer be responsible for heave and displacement in excess of 6 mm following approval of the piles by the Departmental Representative upon success of the load tests.

QUESTION:

What is the acceptable method for completing the pile load test?

RESPONSE:

The contractor shall provide a load frame and other test apparatus. Adjacent piles can be used as reaction piles. The load test set up is to be submitted to the Departmental Representative for approval. The test configuration and procedure should be in general conformance with ASTM D1143. The test procedure should be as follows:

Selected piles shall be proof tested to 120% of design load, P_d

An alignment load (AL), equivalent to 10% of the design load shall be applied to remove the slack from the pile and to engage the equipment. At this time, the dial gauge for elongation measurement shall be set to zero. The pile shall then be loaded by a hydraulic jack in a single operation to $0.5P_d$ and maintained at that load for 30 minutes for creep measurement. The creep measurement shall be recorded at 1, 3, 5, 10, 15, 20, and 30 minutes. The pile shall then be unloaded to AL and the residual displacement recorded.

Repeat the test at $1.0P_d$ and $1.2P_d$. Hold load at $1.0P_d$ and $1.2P_d$ for 30 minutes for creep measurement. Unload the pile to AL and record the residual displacement. Acceptance criteria are met when the slope of the free displacement versus log time plot is less than 1.5 mm per log cycle at the test load level of $1.2P_d$.

The load test procedure above may be altered by the Departmental Representative depending on the results of the pile installation and thermistor data.

QUESTION:

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

At what time period will the contract allow for the load test to take place after the steel pipe piles have been completed with concrete and grout infill?

RESPONSE:

As stated previously, we expect that the load test can be conducted after a period of two months following pile installation, subject to the results of thermistor readings and approval by the Departmental Representative.

QUESTION:

How long after the concrete pile cap is installed on top of the pile is the load test permitted to take place if the construction of the concrete pile cap can proceed prior to load test?

RESPONSE:

For test and reaction piles, pile caps should be cast following the load tests.

QUESTION:

How long a period of time will the contract allow the Departmental Representative to review the temperature data prior to any load test to be placed on the piles?

Where does the 2 month ad-freeze development waiting period occur in relation to the installation of the pile plug concrete and rebar and concrete pile caps? Item B (Amend. 4) indicates that this concrete work can proceed immediately after pile installation. The piles would be subject to movement prior the full freezing of the piles, this is an inherent part of the ad-freeze pile design. This movement is outside of the contractor's control however Item B instructs the contractor to proceed with work that would be affected by pile movement prior to the freezing capacity being reached. Will the Owner take responsibility for costs to redo work that is affected by pile movement that is outside of the contractor's control?

RESPONSE:

As per the response above, we expect that load tests can proceed after a period of two months. We do not expect that the light construction activities discussed above will cause the piles to heave or settle significantly during the freeze back period.

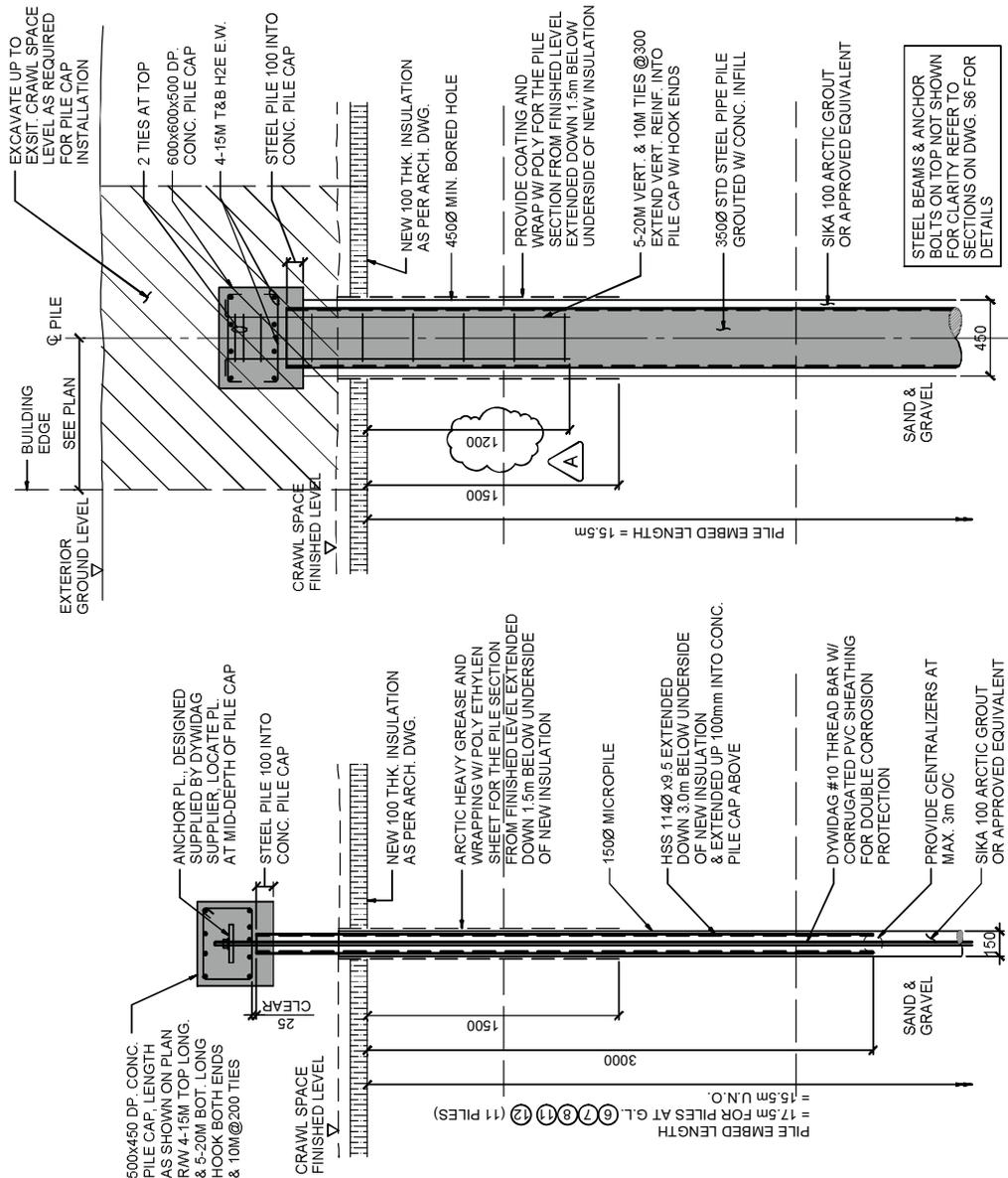


Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

REAL PROPERTY SERVICES
Pacifique Region

SERVICES IMMOBILIERS
Région de Pacifique



TYPICAL DETAIL FOR EXTERIOR BORED/DRILLED STEEL PIPE PILE

1:25

TYPICAL DETAIL FOR INTERIOR MICROPILE

1:25

Project title/Titre du projet PALACE GRAND THEATRE FOUNDATION REPLACEMENT DAWSON CITY YUKON TERRITORY	Drawing title/Titre du dessin TYP. DETAIL FOR INTERIOR MICROPILE REVISED AND INTERIOR PILE CAP DETAIL ADDED	Consultant Signature Only Designed by/Conception par SZ Drawn by/Dessiné par Bilt	PWSCC Project Manager/Administrateur de Projets TPSCC TOM DUNPHY <small>Tom Dunphy, Ingénieur en génie civil, est membre de l'Ordre des ingénieurs de l'Alberta (OIA) et de l'Ordre des ingénieurs du Québec (OIQ).</small>	Scale/Echelle N.T.S.	Date/Date JUN. 30, 2015	Revision/ Révision A
Project No./No. du projet R.06885.001	Street/Faible AD-S01	REVISION-A 2015-07-27				



PROJECT (No.)	Palace Grand Theatre Foundation Replacement (15014)	ISSUED DATE	July 28, 2015
ISSUED BY	Martin Slama	Dorward Engineering	

This addendum forms part of the contract documents. The information included herein supersedes information previously issued in the contract documents. Where inconsistent with information previously issued, this addendum shall govern. No increases in costs will be allowed for items included in this addendum, or by failure to interpret these instructions correctly.

ITEM	DESCRIPTION
E1.	Contractor shall add to the scope of work the removal and reinstallation of: The main electrical metering and disconnect; well heat trace (along the exterior north east mechanical wall) as required for the installation of new piles beams or foundation work. This item reinstates Addendum No. E03-E1.
E2.	Contractor to mark all changes on the as-built drawings.

Attachments	
1	N/A

END OF ADDENDUM

PROJECT NO. R.068835.001
PALACE GRAND THEATRE FOUNDATION REPLACEMENT
DAWSON CITY, YUKON TERRITORY

ADDENDUM No. 7
July 28, 2015

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

End of ADDENDUM No. 7