



**RETURN BIDS TO:  
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC**  
ATB Place North Tower  
10025 Jasper Ave NW  
Edmonton  
Alberta  
T5J 1S6  
Bid Fax: (780) 497-3510

**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**  
Raison sociale et adresse du  
fournisseur/de l'entrepreneur

**Issuing Office - Bureau de distribution**  
Public Works and Government Services Canada/Travaux  
publics et Services gouvernementaux Canada  
Suite 1650  
635 - 8th Ave. S.W.  
Bureau 1650  
635 - 8e avenue, SO  
Calgary  
Calgary  
Alberta  
T2P 3M3

<b>Title - Sujet</b> C5-09 Stope Stabilization	
<b>Solicitation No. - N° de l'invitation</b> EW702-173131/B	<b>Amendment No. - N° modif.</b> 007
<b>Client Reference No. - N° de référence du client</b> INAC-EW702-173131	<b>Date</b> 2017-12-04
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$GMP-015-6655	
<b>File No. - N° de dossier</b> GMP-7-40055 (015)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2017-12-15</b>	<b>Time Zone</b> Fuseau horaire Mountain Standard Time MST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Bilous, Isabelle	<b>Buyer Id - Id de l'acheteur</b> gmp015
<b>Telephone No. - N° de téléphone</b> (780) 782-8714 ( )	<b>FAX No. - N° de FAX</b> (780) 497-3510
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

**This amendment 007 is raised to modify solicitation EW702-173131/B as follows:**

1. **REVISED CLOSING DATE OF:**  
**02:00 PM MST on 2017-12-15**

2. **Questions and Answers**

Question 55 was posed during the Bidders' Conference but was not addressed in amendment 006.

**Question 55:** Where does the Contractor's Design fall into the Order of Precedence?

**Answer 55:** Refer to "DELETE" and "INSERT" below. Note, the Contractor's design forms part of the Construction Documents; refer to the definition found in the Request for Proposal.

**Question 56:** Can the crown please explain the purpose of the C3-22 mid incline breakthrough paste blockage point (where migration is expected from) and provide X,Y, and Z coordinates for the surpac model of this barricade location?

**Answer 56:** This barricade is required (at an elevation of 54m GMRP coordinate system) as the C3-12 North stope paste will be filled up to approximately 72.6m. The C3-22 mid incline breakthrough is hydraulically connected to the C3-12 North stope.

The coordinates of this paste blockage point is below. Also note that this blockage point is at the location of the borehole PD\_C509\_04B which we drove to during the underground tour.

Northing (GMRP)	Easting (GMRP)	Elevation (GMRP)
32653.565	35883.487	58.126

**Question 57:** We request that the resumes not be included in the overall page count.

**Answer 57:** Refer to "INSERT" below.

**Question 58:** We would like to request .dtm development files separated by level.

**Answer 58:** Refer to the attachment *c5-09\_levels.zip*; these layers are separated by level. The ramps are in 3D and connect the levels.

**Question 59:** Based on Borehole definition in specification section 31 02 00 1.3.1, boreholes may be required to be drilled by the contractor for paste material delivery, investigation, monitoring and ventilation. Measurement of payment for this section indicates that drilling will be paid on number of linear metres of Drilling Material Delivery Boreholes. For payment purposes, should all boreholes drilled by contractor be assumed to be Material Delivery Boreholes, regardless of designated purpose of Paste Material Delivery or Investigation/Monitoring?

**Answer 59:** For payment purposes, all successful boreholes drilled will be paid as per the Measurement of Payment section. A successful borehole is one that met the design criteria, was on target at break through and can be used for its intended purpose.

**Question 60:** Drilling contractors may be required to complete underground drilling, how will this be measured for payment? It is unlikely underground boreholes will be designated as Material Delivery Boreholes?

**Answer 60:** Refer to Answer 59.

**Question 61:** Since contractor is required to define the design parameters of borehole, please define what linear metres will be accepted for payment? Examples include if situations arise where boreholes are abandoned during drilling, Boreholes completed by contractor but not used, boreholes completed by contractor that do not meet contractor's design requirements etc.

**Answer 61:** Only successful boreholes will be accepted for payment. Boreholes that were abandoned because they did not hit the intended target or abandoned before breakthrough will not be paid.

A borehole design will be accepted with a specific deviation tolerance associated with that borehole.

In some circumstances, if a borehole does not intersect the intended void at the intended depth (length of hole) the proponent may extend the borehole an additional set number of metres:

- 1) The borehole has deviated beyond the design criteria and the proponent wants to extend the borehole in an attempt to bring it back into tolerance. In this instance, a review of the mine model would be conducted to determine the risk of drilling beyond the original specified depth. If the risk is acceptable the contractor can extend the borehole to the new design depth. In the event that the borehole is salvaged at this time, the contractor would be paid for the borehole. If the borehole is not salvageable at this extended depth then the borehole would be abandoned and the contractor would not be paid for the hole.
- 2) The borehole has been drilled to design deviation tolerance and depth but has not interested the intended target. In this instance, PSPC may request the proponent to extend the borehole an additional distance to determine if the void can be intersected. In this instance, the proponent would be paid for the complete number of linear metres drilled.

**Question 62:** A precedent was previously set in UG stabilization solicitations made by PSPC in 2013 and 2014, that the UG projects needed to be derisked from the drilling scopes due to the risks and uncertainties inherent in that work, and a separate contract was issued in 2015 to complete the drilling separately from the interim UG stabilization project.

What has changed since then to ensure that no undue unknown risks are being taken on by the Stope C509 proponents this time around?

This is underscored by Golder's own strong caveats warning contractors as to the accuracy therein from using any of the information provided in the RFP technical packages and disk as to the quality of the UG mine model

Any re-drilling costs can be prohibitively expensive (\$100 k per hole), and we have already have a precedent with one of the few local drilling contractors that has the equipment refusing to bid any more on any Giant mine drilling work as a result, as the risk was deemed too great by the drilling contractor for the reward due to cost of any regret work.

Getting external contractors to bid on this work and incur higher mob costs as a result will potentially skew bid results vs any past incumbent. Bid skewing can also occur as some proponents may be oblivious to the true risks and as result uninformed proponents may unduly put themselves in harm's way.

We suggest that Stope C509 be awarded and evaluated without the drilling scope not unlike the previous 2014 solicitation, and Golder undertake the drilling of remaining stopes between January and March 2018 with an appropriate drilling contractor. There is more than enough time to do that and make progress on awarding the stope backfill work for C509.

**Answer 62:** There were multiple factors which contributed to the tendering of the drilling and stabilization activities separately in 2013 and 2014. Risk associated with drilling accuracy and mine model accuracy did not play into these considerations.

In addition, supplemental document #09 within the technical specifications (*Quality Assurance Report: Interim Underground Stability and Geotechnical Stability Drilling September 28, 2013 to October 25, 2014*) provides a summary of the drilling conducted during the 2013 and 2014 drilling programs mentioned in this question. This document specifies the achieved drilling rates, accuracy for the various drilling methodologies used during this drilling program and specific drilling and survey challenges encountered.

The successful contractor will be evaluated on accuracy of the borehole during drilling, as detailed in the drilling specification 31 02 00. The risk associated with the accuracy of the mine model is held solely by PSPC. For example, if the borehole is drilled to the design accuracy provided by the proponent and does not intersect the mine workings at the intended point, the contractor will be paid for that borehole. Boreholes which do not meet the design accuracy provided by the proponent will not be paid.

**Question 63:** Page limit restriction at 60 pages seems unduly restrictive for what you are asking for. Suggest you either relax the page counts or relax the requirements, otherwise you are putting proponents in an impossible position to answer the requirement and meet the page counts without violating min font size.

**Answer 63:** Resumes and the 11"x17" Schedule sheet are no longer part of the page limitation, per amendments 006 and 007 (current).

**Question 64:** Can the same project be used for the Underground Mine Access Refurbishment and Development Project and the Underground Mine Backfilling Project criteria?

**Answer 64:** Yes.

**Question 65:** The *SSSP\_2017.zip* attachment contains quite a few empty folders in the file, as follows:

Section 2 – Scarlet ROT – Security ROT is empty  
Sections 3 through 9, and Sections 21 and 22 are empty  
Section 16 – 2015 Reports folders 01, 02, 04 & 07 are empty  
Section 18 - Paste fill file is .wmv and it's not uploading

**Answer 65:** Can you please take another look at the zip file and advise us if these folders were intended to be empty? The file *SSSP\_2017.zip* is provided for information only and is not required for bidding purposes. The successful contractor will receive a complete and up-to-date copy of the Site Specific Safety Plan after contract award. Bidders seeking specific information related to the current Site Specific Safety Plan should contact the Contracting Authority.

**Question 66:** We are requesting an extension of the closing date by at least a week

**Answer 66:** Refer to "REVISED CLOSING DATE" above.

## **2. Changes to Solicitation Document**

### **INSERT Under SRE Section 1 Bid Form and Content Requirements**

The following are not part of the page limitation mentioned herein:

Resumes (up to 3 pages in length)

#### **DELETE:**

**A1 CONTRACT DOCUMENTS AND ORDER OF PRECEDENCE** in its entirety

#### **INSERT:**

**A1 CONTRACT DOCUMENTS AND ORDER OF PRECEDENCE**

1. The following are the contract documents. In the event of any discrepancy or conflict in the contents of the following documents, such documents shall take precedence and govern in the following order:

- a. any amendment or variation of the contract documents that is made in accordance with the General Conditions or Instructions
- b. any amendment issued prior to tender closing;
- c. Contract Page when signed by Canada;
- d. the terms, conditions, and clauses as amended, identified as:
  - i. the Supplementary Conditions, if any;
  - ii. the General Conditions;
  - iii. documents incorporated by reference as follows:
    - R2840D (2008-05-12) - (GC4) Protective Measures
    - R2882D (2016-01-28) - (GC8) Dispute Resolution
    - R2890D (2014-06-26) - (GC9) Contract Security
    - R2900D (2008-05-12) - (GC10) Insurance
    - R2950D (2015-02-25) - Allowable costs for contract changes under GC6.4.1
- e. the duly completed Bid Price Form & Proposal when accepted and Appendices 1 through 4 attached thereto;
- f. Specification including Appendices A through E
- g. Construction Documents

h. Successful Proponent's proposal;

later dates shall govern within each of the above categories of documents.

2. In the event of any discrepancy or conflict in the information contained in the *Construction Documents*, the following rules shall apply:
  - a. Specifications shall govern over drawings;
  - b. Dimensions shown in figures on a plan shall govern where they differ from dimensions scaled from the same drawing; and
  - c. Drawings of larger scale shall govern over those of smaller scale.
3. The documents identified by title, number and date above are incorporated by reference and are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site: <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>
4. The language of the contract documents is the language of the Bid Form submitted.

### **3. Changes to Specification**

See Addendum No. 1 – attached as ATT002.

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.**