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British Columbia
V6Z 0B9
Bid Fax: (604) 775-9381

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 - Pacific
Region
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British C
V6Z 0B9

Title - Sujet Steamboat Maintenance Camp Remed.	
Solicitation No. - N° de l'invitation EZ113-191032/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client	Date 2018-08-22
GETS Reference No. - N° de référence de SEAG PW-\$PWY-019-8401	
File No. - N° de dossier PWY-8-41074 (019)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-08-28	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
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: Ngan, Ken (PWY)	Buyer Id - Id de l'acheteur pwy019
Telephone No. - N° de téléphone (604) 671-0219 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PWGSC - Steamboat Maintenance Camp, km 537.9 - Alaska Highway, BC	

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

Solicitation No. - N° de l'invitation
EZ113-191032/A
Client Ref. No. - N° de réf. du client

Amd. No. - N° de la modif.
004
File No. - N° du dossier
pwy-8-41074

Buyer ID - Id de l'acheteur
pwy019
CCC No./N° CCC - FMS No/ N° VME

Amendment 004

This Solicitation Amendment is raised to Incorporate Addendum 002 to:

1. Address questions from prospective bidders, and
2. Amend the Specifications and Drawings, and

See attached Addendum 002

All other terms and conditions remain unchanged.

This Addendum forms part of the Contract Documents and must be read, interpreted and coordinated with all other parts.

1.0 QUESTIONS AND ANSWERS

1. Can the weigh scale be set up at the Mill Creek Gravel Pit?

Yes: The contractor can set the weigh scale up at the Mill Creek Gravel Pit or the Steamboat Maintenance Camp.

2. Can 25mm be produced from material at the Mill Creek Gravel Pit?

Yes: As long as this is approved by the geotechnical engineer.

2.0 AMENDMENT TO SPECIFICATIONS AND DRAWINGS

1) Plans

Drawing revised for clarification on backfill section 4.0 materials to be used.

Section 4.0 Materials

.2 "removed subbase SGSB to BC MoTI 2012 Standard Specifications, gradation as per Tale 202 C. This no longer applies.

.3 becomes .2 Replaced text with the following "Subgrade Fill" - to be well graded granular material, substantially free from clay lumps, organic matter and other extraneous material, crushed to remove rounded cobbles in excess of maximum 75mm diameter. Rounded cobbles are a significant portion of the material available at the Mill Creek Gravel Pit (Km 552) which will require crushing.

Modified subgrade fill gradation table.

Section 7.0 Backfilling

.4, .2 Replace text with the following "Place surface aggregate material in lifts not exceeding a compacted thickness of 150mm"

.5, .1 Replace text with the following "Subgrade Fill – to 300mm below surfacing aggregate: 95%"

.5, .2 Replace text with the following "Subgrade Fill – 300mm below surfacing aggregate to underside of surface aggregate: 100%"

Updated Sketch to be followed for Typical Excavation Backfill Detail

1. Drawing 18-00338-07-02

Replace with attached Drawing 18-0038-07-Rev03.

END OF ADDENDUM 002

10 REFERENCES

1. American Society for Testing and Materials International (ASTM)
2. ASTM D696 12-02, Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12.400N blows), (600N min.)
3. 2016 Standard Specifications for Highway Construction, British Columbia Ministry of Transportation and Infrastructure (BC MOT 2016)

20 TESTS AND INSPECTIONS

1. Quality Assurance testing of materials and compaction of backfill will be carried out by testing laboratory designated by Department Representative.
2. Not later than one week before backfilling or filling, provide to the designated testing agency, 23 kg sample of backfill material proposed for use.
3. Do not begin backfilling or filling operations until material has been approved for use by Department Representative.
4. Not later than 48 hours before backfilling or filling with approved material, notify Department Representative so that Quality Assurance compaction tests can be carried out by designated testing agency.
5. Before commencing work, conduct, with Department Representative, condition survey of existing structures, trees and other plants, fencing, services poles, survey bench marks and monuments which may be affected by work.

30 SAMPLES

1. Provide grain size analysis testing results for all proposed backfill material types including material source identification a minimum of two weeks prior to placement.
2. Allow continual sampling by Department Representative during aggregate production.
3. Pay cost of sampling and testing of aggregates which fail to meet specified requirements.

40 MATERIALS

1. Surfacing Aggregate - HPSA to BC MOT 2012 Standard Specifications, gradation as per Table 202-C.
2. Subgrade Fill - to be well graded granular material, substantially free from clay lumps, organic matter and other extraneous material, crushed to remove rounded cobbles in excess of maximum 75mm diameter. Rounded cobbles are a significant portion of the material available at the Mill Creek Pit (Km 520), which will require crushing.

SIEVE DESIGNATION	PERCENT PASSING
75mm	100
50mm	70-100
25mm	50-100
4.75mm	22-100
2.0mm	10-65
0.075mm	2-8

3. Aggregate quality to be sound, hard, durable material free from soft, thin, elongated or laminated particles, organic material, clay lumps or minerals, or other substances that would act in deleterious manner for use intended.
4. Impacted fill materials produced by the crushing of rocks or pit run materials that contain cobbles sized or larger (75mm) rock particles must be tested by the Contractor for Acid Rock Drainage (ARD) and Metal Leaching (ML) potential prior to being brought onsite. Testing shall be carried out using the following test methods:
 1. Treat materials by JCP AAS for assessment of metal content (solid phase rock material)
 2. Treat materials by JCP AAS for assessment of metal content (solid phase rock material)
 3. Static Point Extraction (SPE) for assessment of metal leaching potential (SPE test batches)
 4. Details on the above test methods and interpretation of test results are outlined in the guidance document titled "Provision Manual for Drainage Chemistry from Static Geochemical Materials MEAD Report 1, 2011, Natural Resources Canada, 2009
5. Imported fill materials must originate from a clean source.

50 AGGREGATE SOURCE

1. The contractor may use material from the PSCC Mill Creek Gravel Pit on the Alouette Highway (Km 520) for designated types of aggregates to be placed.
2. If material must be screened/processed by the contractor to meet the designated gradation.
3. If approved by Department Representative, materials from proposed source do not meet, or cannot reasonably be processed to meet, specified requirements, located an alternative source of aggregate material and submit a written report to the Department Representative for approval.
4. Before commencing work, conduct, with Department Representative, condition survey of existing structures, trees and other plants, fencing, services poles, survey bench marks and monuments which may be affected by work.
5. Acceptance of material at source does not provide future rejection if it fails to conform the requirements specified. Tests uniformly, or if its field performance is found to be unsatisfactory.

60 MATERIALS HANDLING

1. Handle and transport aggregates to avoid segregation, contamination and degradation.
2. Do not use contaminated or contaminated materials. Remove and dispose rejected materials within 48 hours of rejection.

70 BACKFILLING

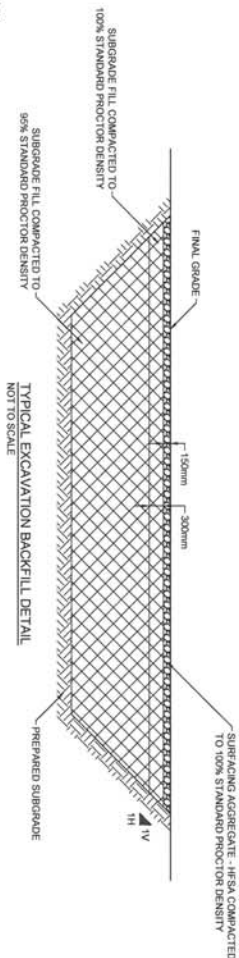
1. Inspection: do not commence backfilling until fill material and spaces to be filled have been inspected and approved by Department Representative.
2. Remove snow, ice, construction debris, organic soil and standing water from spaces to be filled.
3. Subgrade Preparation: Shape subgrade surface to avoid surface ponding and provide drainage. Roll subgrade as directed by Department Representative to provide a relatively smooth, even and uniformly compacted subgrade surface.
4. Backfill:
 1. Place Subgrade Fill in lifts not exceeding a loose thickness of 300 mm.
 2. Place Surfacing Aggregate material in lifts not exceeding a compacted thickness of 150 mm.
 3. Application of ORC: prior to the placement of the first lift of subgrade fill, see Section 9.0.
 4. Compaction: compact each layer of material to following densities for material to ASTM D698:
 1. Subgrade Fill - to 300mm below surfacing aggregate: 95%
 2. Subgrade Fill - from 300mm below surfacing aggregate to underside of surfacing aggregate: 100%
 3. Surfacing Aggregate: 100%.
 5. Wet and dry the backfill material as required to achieve specified density.
 6. If material is excessively moist, aerate by scarifying with suitable equipment until moisture content is corrected to values not greater than 2 to 3% moisture above optimum values for compaction in accordance with ASTM D698.
 7. Reshape compacted surfaces to within 25 mm of elevations as indicated.

80 GRADING

1. Grade so that water will drain away from buildings, walls and paved areas, to catch basins and other disposal areas approved by Department Representative. Grade to be gradual between finished spot elevations shown on drawings.
2. Grade and backfill establishing natural contours and eliminating uneven areas and low spots, ensuring positive drainage.
3. Verify that grades are correct and notify Department Representative if discrepancies occur.

90 APPLICATION OF ORC

1. ORC application to be determined with first lift of backfill material placed at the base of the excavation area (i.e. F, G and other areas as needed). The location and quantity of ORC application will be as directed by the Department Representative.



NOTES

1. BASED ON POF OF GOLDERS 1659199_200_11

2. THIS DRAWING IS FOR GENERAL INFORMATION ONLY.

3. LOT BOUNDARIES AND FEATURES ARE APPROXIMATE.

REVISIONS

NO.	DATE	DESCRIPTION	BY	APPROVED
01	2020/09/18	Updated based on comments by Public Services & Procurement Canada	DK	TVW
02	2020/09/18	Updated based on comments by Public Services & Procurement Canada	DK	TVW
03	2020/09/18	Updated based on comments by Public Services & Procurement Canada	DK	TVW
04	2020/09/18	Updated based on comments by Public Services & Procurement Canada	DK	TVW

ARCADIS

core6

DESIGN/CONSTRUCTION

Public Services and Procurement Canada

Site Restoration & Compaction Details

18-00338-07