Public Works and Government Services Canada | Travaux publics et Services gouvernementaux Canada

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Ave./10025 ave. Jaspe
5th floor/5e étage
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
ATB Place North Tower
10025 Jasper Ave./10025 ave Jasper
5th floor/5e étage
Edmonton
Alberta
T5J 1S6

Title - Sujet New Driver Training Track	
Solicitation No. - N° de l'invitation EV385-170880/A	**Amendment No. - N° modif.** 002
Client Reference No. - N° de référence du client RCMP EV385-170880	**Date** 2016-08-31
GETS Reference No. - N° de référence de SEAG PW-$PWU-023-10834	
File No. - N° de dossier PWU-6-39130 (023)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2016-09-02**	**Time Zone** **Fuseau horaire** Mountain Daylight Saving Time MDT
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Taylor (RPC), Ian	**Buyer Id - Id de l'acheteur** pwu023
Telephone No. - N° de téléphone (780) 566-9487 ( )	**FAX No. - N° de FAX** (780) 497-3510
Destination - of Goods, Services, and Construction: **Destination - des biens, services et construction:**	

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**

Canada

Part 1 **To the Specifications**

1.1 **To the Table between Summary of Work Section 01 11 00 and Work Restrictions Section 01 14 00**

.1 Geotextiles and/or geogrid soil stabilization (allowance). During the construction the exact locations and amount of these elements will be determined. AEC Premier Coconut matting or equivalent is anticipated for 16,500 m2. AEC Premier Straw matting or equivalent is anticipated for 5000 m2. Rufco 4000B or equivalent is anticipated for 1000 m2.

.2 Item 1 – Sitework – Concrete Roadway c/w traffic topping is to be deleted. It appears as a double counted area.

1.2 **Include Geotextiles Section 31 32 19.01**

.1 Attached a specification that was not included but referenced in the specifications.

4X4 Course

Item	Description	Quant.	Units	Unit Price	Amount
1	**Sitework**				
	Clearing existing vegetation and disposal	33,800	m2		
	Stripping Topsoil	10,200	m3		
	Bulk Excavation (within the construction boundary)	3,878	m3		
	Extra Over for rock Removal	1	Allow	$9,000	$9,000
	Minor Dewatering	1	Allow	$10,000	$10,000
	Sub-Grade Preparation	4,280	m2		
	Backfill with Owner supplied material located on site.	63,000	m3		
	Geotextiles Straw matting (allowance)	5,000	m2		
	Geotextiles Coconut matting (allowance)	16,500	m2		
	Geotextiles LLDPE Liner (allowance)	1,000	m2		
	Site Rough Grading	51,610	m2		
	Final Grading & Compaction to main roadway	46,960	m2		
	Final Grading & compaction to sediment pond (assumed liner not requi	2,575	m2		
	Asphalt vehicle staging area	340	m2		
	Replace existing topsoil & hydro seed	33,550	m2		
	Tree, shrubs and ground cover planting (allowance)	32,800	m2		
	Traffic signage (allowance)	1	Allow	$9,000	$9,000
2	**Course Elements**				
	Concrete "Mud" Pad	35	m2		
	concrete 200mm thick	7	m3		
	rebar	300	kg		
	formwork	4	m2		
	screed/cure/finish	35	m2		
	extra for grooves	18	m2		
	isolation/control joints	35	lm		
	gravel base, 200mm thick	7	m3		
	traffic topping	35	m2		
	Angled Berms, 45m2 ea, measured flat, 6 No. average depth 900mm	243	m3		
	Pea Gravel Pit	185	m2		
	pea gravel, loose compaction 5-10mm, 500mm thick	93	m3		
	concrete 200mm thick	37	m3		
	rebar	1,555	kg		
	formwork	9	m2		
	screed/cure/finish	185	m2		
	isolation/control joints	35	m2		
	gravel base, 200mm thick	37	m3		
	concrete lock block, 750 x 750 x 1500mm	44	no.		
	Static Winch Hill	4	no.		
	Tree Slalom	38	no.		
	Delineator bollard, 60 mm dia. X 1200mm, c/w reactive spring	38	no.		
	driveable base, 56mmx457mm	38	no.		

Item	Description	Quant.	Units	Unit Price	Amount
2	**Course Elements (Continued)**				
	Creek Crossing 4 No.	88	m2		
	river rock, 50-300mm	39	m3		
	compacted clay base	49	m3		
	Parallel Telephone Poles, 375mm dia x 4550mm wood pole	9	no.		
	Parallel Offset Railroad Ties, 150 x 2600mm	12	no.		
	Water Ford				
	large river rock	54	m3		
	concrete, 200mm thick	36	m3		
	rebar	1,500	kg		
	formwork	8	m2		
	screed/cure/finish	180	m2		
	isolation/control joints	180	m2		
	gravel base, 200mm thick	36	m3		
	concrete curb, 300mm	13	m		
	concrete lock block, 750 x 750 x 1500mm	30	no.		
	Staggered Railroad Ties, 150 x 2600mm	18	no.		
	Texas Gate	2			
	texas gate	32	m2		
	concrete pile, 150 x 450 mm	12	no.		
	Multiple Berms, 24m2 each, measured flat, 9 no. average depth 500mm	108	m3		
	Rail Crossing				
	segment rail track, 20m	4	no.		
	rail ties, 150 x 250mm	19	no.		
	compacted gravel base	27	m3		
	Ditch Crossing	1	sum		

Item	Description	Quant.	Units	Unit Price	Amount
3	**Water Line**				
	PVC 150	300	m		
	PVC 50	100	m		
	Valve 250	2	each		
	Valve 150	2	each		
	Valve 50	1	each		
	Hose Bib	1	each		
	Hydrant 150	1	each		
	Tee 250 x 150	1	each		
	Tee 150 x 50	1	each		
	Tie to existing	2	each		
	Testing and disinfection	400	m		

4	**Sub-total**	
	Escalation Allowance	Excluded
	Construction Allowance	Excluded
5	**Total Construction Estimate Including Contingencies**	
	GST	Excluded

Part 1 General

1.1 REFERENCES

.1 American Society for Testing and Materials International, (ASTM).

.1 ASTM D 4491-[99a], Standard Test Methods for Water Permeability of Geotextiles by Permittivity.

.2 ASTM D 4595-[86(2001)], Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method.

.3 ASTM D 4716-[01], Test Method for Determining the (In-Plane) Flow Rate Per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head.

.4 ASTM D 4751-[99a], Standard Test Method for Determining Apparent Opening Size of a Geotextile.

.2 Canadian General Standards Board (CGSB)

.1 CAN/CGSB-4.2 No. 11.2-[M89(April 1997)], Textile Test Methods - Bursting Strength - Ball Burst Test (Extension of September 1989).

.2 CAN/CGSB-148.1, Methods of Testing Geotextiles and Complete Geomembranes.

.1 No.2-[M85], Methods of Testing Geosynthetics - Mass per Unit Area.

.2 No.3-[M85], Methods of Testing Geosynthetics - Thickness of Geotextiles.

.3 No.6.1-[93], Methods of Testing Geotextiles and Geomembranes - Bursting Strength of Geotextiles Under No Compressive Load.

.4 No.7.3-[92], Methods of Testing Geotextiles and Geomembranes - Grab Tensile Test for Geotextiles.

.5 No. 10-[94], Methods of Testing Geosynthetics - Geotextiles - Filtration Opening Size.

.3 Canadian Standards Association (CSA International)

.1 CAN/CSA-G40.20/G40.21-[98], General Requirements for Rolled or Welded Structural Quality Steel/Structural Quality Steel.

.2 CAN/CSA-G164-[M92(R1998)], Hot Dip Galvanizing of Irregularly Shaped Articles.

1.2 SUBMITTALS

.1 Submit to Engineer following samples at least 4 weeks prior to beginning Work.

.1 Minimum length of 2 m of roll width of geotextile.

.2 Minimum of 1 m seam with at least 300 mm of geotextile on both sides of seam.

.3 Submit to Engineer copies of mill test data and certificate at least 4 weeks prior to start of Work

1.3 DELIVERY

.1 During delivery and storage, protect geotextiles from direct sunlight, ultraviolet rays, excessive heat, mud, dirt, dust, debris and rodents.

Part 2 Products

2.1 MATERIALS

.1 Materials will be as specified in the drawings, or an acceptable alternate that is equivalent and approved by the Engineer.

Part 3 Execution

3.1 INSTALLATION

.1 Place geotextile material by unrolling onto graded surface in orientation, manner and locations indicated and retain in position.

.2 Place geotextile material smooth and free of tension stress, folds, wrinkles and creases.

.3 Place geotextile material on sloping surfaces in one continuous length from toe of slope to upper extent of geotextile.

.4 Overlap and join successive strips of geotextile as per manufacturer's recommendations.

.5 Protect installed geotextile material from displacement, damage or deterioration before, during and after placement of material layers.

.6 After installation, cover with overlying layer within 4 h of placement.

.7 Replace damaged or deteriorated geotextile to approval of Engineer.

3.2 PROTECTION

.1 Vehicular traffic not permitted directly on geotextile.

END OF SECTION