



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
publics et Services gouvernementaux Canada**
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
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 Highway Maintenance & Repair	
Solicitation No. - N° de l'invitation EZ011-172342/B	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client	Date 2017-07-12
GETS Reference No. - N° de référence de SEAG PW-\$PWY-020-8075	
File No. - N° de dossier PWY-6-39261 (020)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-07-24	
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: Ly, Ronny(PWY)	Buyer Id - Id de l'acheteur pwy020
Telephone No. - N° de téléphone (604) 318-5750 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PWGSC - km 133 to km 968 - 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

EZ011-172342/B

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

Amd. No. - N° de la modif.

002

File No. - N° du dossier

Buyer ID - Id de l'acheteur

pwy020

CCC No./N° CCC - FMS No./N° VME

Please find Addendum #1 herein.

All other terms and conditions remain unchanged.

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

This addendum is issued to provide details of PWGSC's comments from the Bidder's Conference, answer questions from potential bidders, and provide amendment to the Specifications as attached hereto.

PWGSC's Comments from Bidders Conference

The purpose of these comments is to highlight some of the maintenance items that are unique to this project.

Questions and Answers Received from Potential Bidders

Q1) Reviewing the brushing north of Fort Nelson, would it qualify as full units of brushing even though the full width of the right of way did not require brushing?

A1) Yes, treeline to treeline or as directed by the Departmental Representative.

Q2) Is the brushing always treeline to treeline (or fence line) even on sections that are a lot wider than the average or is there a right of way distance that satisfies the expectations in these areas? If not, do the exceptionally wide areas get paid at a higher rate? Or is the Contractor expected to average the full length on the highway?

A2) Yes, treeline to treeline. No extra payment for wider sections. If contractor chooses to average price for right of way brushing it is their decision.

Q3) Is experience measured by the experience of the bidding entity or by the company's management team?

A3) Bidding Entity

Q4) Is the naming of the Operations manager and the Superintendents required in the bidding documents? Is there a process for substituting individuals, if required, prior to the contract start date? If so, what would that process look like?

A4) Reference Section: Summary of Work - 00 11 00 .4.2, .4.3 – (Contractor provided equipment and personnel).

Q5) How does PWGSC expect completed work to be reported?

A5) Email report and updated schedules and time card submittal (record of 7 day recording device as approved by Departmental Representative).

- Q6) Are there requirements for clearing snow and ice from overhead bridge components, such as the Liard?
- A6) No. If required we would pay under Section 01 21 00.
- Q7) Is there licensing or permitting required for the proponents vehicles to work in and out of the Yukon Territories?
- A7) No mutual verbal agreement licensing/permitting required to travel into the Yukon (Watson Lake).
- Q8) Is there any information available on how many indigenous people are currently part of the labour work force?
- A8) Approximately 10% of both contracts. No data.
- Q9) Bridge washing, is the requirement to clean what can be reached from the deck and from the shore or is there a requirement to use a snooper truck or spider staging to clean the underside of the bridges?
- A9) Section 38 31 00 states the requirements of what needs cleaning.
- Q10) Does the proponent have to use slip-in sander hoppers or can they be mounted sander units?
- A10) No, slide in as per Section 38 21 00.
- Q11) Can the distributor truck be a tanker pulled by a plow truck converted to a fifth wheel for the summer?
- A11) No. Self-Propelled.
- Q12) Can you define "cleaning of W beam" at 600km to 615km? Is it to pressure wash the beam itself? Or clear the aggregate build up from around the base of the posts? If it is the aggregate, can it be swept over the edge of the road or does it need to be transported away?
- A12) Pressure wash W Beam and clean aggregate from between rail posts. Material can be swept under rail and over edge.
- Q13) Should we choose to subcontract out an activity, do the same stipulations regarding equipment age apply to the subcontractor?
- A13) Yes. Sub-Contractors equipment must meet contract age requirements.

- Q14) It appears that the south contract has not completed right of way mowing in some time. When was right of way mowing last completed and is it expected to be completed before May 31, 2018? The current vegetation growth is quite high which will take the initial cut in 2018 significantly more expensive if it is not mowed prior to contract take over.
- A14) Km 275 to Km 452 has a growth of what was observed yearly. Contractor will have to provide equipment to maintain right of way as per contract specifications. Km 452 to Km 200 is scheduled to be completed this year, but time and weather will be a factor.
- Q15) We understand that the South contract now is unionized, whereas the North contract is non-union. Are there any plans for successor ship of the unionized workers in the south contract going forward into the combined new contract?
- A15) Check with your legal advisor.
- Q16) Is it intended that the Alaska Highway within the new combined contract will be paved in its entirety which will eliminate the bituminous surface treated road surface?
- A16) No. Current Pavement, km 133 – km 229, 2017, km 229-km 265, and km 265-km 258 will be completed in the next 3-4 years.
- Q17) Is there a proposed timeline to complete the paving?
- A17) As funding is available.
- Q18) Is it intended that the highway network be handed over to the Province of BC within the time period of this contract term or extensions?
- A18) Unknown.
- Q19) Will PWGSC be providing its own aggregate sources or will the contractor be required to supply their own source for winter sand and chip seal aggregates for the full term of the initial 5 year term and the two 3 year extensions?
- A19) No. PWGSC will provide aggregate except for spray patching aggregate.
- Q20) Will there be any Infrastructure development and/or Environmental management projects earmarked for implementation during the contract period?
- A20) Possible Capital and AIP Projects.
- Q21) What information is available pertaining to the Environmental Assessment results for each of the existing Highway Maintenance facility yards?

- A21) Information is available from PWGSC for existing maintenance yards. Environmental Assessments will be provided at the time of the award.
- Q22) Are you able to provide an idea of the volume of ROW grading and other works proposed for completion within the scope of the ditch re-shaping specifications?
- A22) As per the units in the contract specifications on a yearly basis.
- Q23) How many of the 10 camps have potable water onsite? And what are those sources?
- A23) Wells and hauling. See each camp and Health regulations.
- Q24) Does the 5% hold-back apply to flow-through items, for example salt?
- A24) Yes.
- Q25) In regards to the Site Health and Safety officer, is this the same as the Safety Coordinator and is this individual to be a single purpose position or can it be incorporated into one of the superintendent's roles?
- A25) Incorporated. If both duties can be fulfilled as per Contract Specifications.
- Q26) Our understanding of article GC6.4.3 is that there is a guarantee that the contractor will be paid a minimum of 85% of work in the bid. If this is right, does it apply to both summer and winter work?
- A26) Aim for 100% of contract value. There is no 'guarantee of 85%' if for whatever reason the required quantity is less than 85%, the Contractor could make a claim of increased per unit cost which would allow for a unit price adjustment. This however does not guarantee an 85% payout.
- Q27) Does the Departmental Representatives handle the public's complaints? Or are those expected to be handled by the Contractor as the first contact?
- A27) Both PWGSC and contractor will deal with public complaints.
- Q28) How many of the yard locations currently have wash bays?
- A28) One (1).
- Q29) Is there any way to alter or delete Section 1.2 Proponent's Experience (under 1.0 Mandatory Criteria) to include or recognize a contractor's vast experience?

A29) Delete:

Page 27 – 1.2 Proponent’s Experience: This project must be completed or have been in place for a minimum of a single consecutive period of three years or more, and should be ongoing or had a completion date within the last five years.

Insert:

Page 27 – 1.2 Proponent’s Experience: This project must be completed or have been in place for a minimum of a single consecutive period of three years or more, and should be ongoing or had a completion date within the last ten years.

Q30) Is it possible to have PSPC being open to negotiate with contractor for bid items 19, 24, and 33a/b (Salt, Line Painting, and Emulsion Oils).

A30) No provisions at present time. Bid as per Request for Proposal.

Q31) Regarding BST - According to the Line Diagram, there appear to only be 3 locations for BST – KM 254, KM 262 and KM 554. Is this correct?

A31) No. Granular base is BST material at other pits.

Q32) Is there no plans to produce BST in any of the other pits over the contract term?

A32) If required, we will produce BST in pits during the contract term.

Q33) It is correct that the contractor can supply BST without compensation?

A33) Yes, we have material available if the contractor would like to use it. No, extra payment will be made if contractor supplies BST from another source.

Q34) It just seems strange that we couldn’t produce BST and get paid for it rather than hauling it.

A34) See answer – A33).

Q35) Water Withdrawal Procedures - Can you provide the approved water locations the approved water withdrawal so we know far we have to travel to get water?

A35) See Permit attached.

Q36) Request for Proposal Document Page 13:

- .1 “One (1) Original plus 3 bound copies and 1 digital copy” – please clarify that the original to be unbound?
- .2 “...at the office designated for the receipt of proposals...” – please clarify and provide the address where proposals should be sent to.
- .3 Under Section 3 – please confirm that electronic signatures acceptable?

- A36) .1 Bound
.2 Address provided on front page of Request for Proposal
.3 No. Original Wet Signatures are required
- Q37) Page 26:
Under mandatory criteria, it references using provided forms to respond to the requirements. Are there specific forms that should be used in the RFP Technical Submission?
- A37) Forms provided under 1.0 – Mandatory Criteria
- Q38) Page 27:
Does the Client prefer that the proponent reproduce Table 1 and Table 2 as part of their RFP submission or use Pages 1 and 2 as original documents in the submission?
- A38) Use the provided forms or using a copy of the provided forms on a separate page or pages, provide a response to each of the following requirements.
- Q39) Page 40 – Estimated quantities
.1 The contract value will be based on a total value of the unit prices and hourly rates x the estimated quantities. It is recognized that quantities may change to address infrastructure needs, please confirm it is the Client's intent to spend the entire contract value each year (even if allocated among different activities)?
.2 Is the provisional sum expected to be spent each year?
- A39) .1 Yes, the intent is to spend 100% of yearly funding and total contract value.
.2 As and when required, provisional sum is for the life of the Contract.
- Q40) Page 55 - Department Representative –
.1 With the change to the contract terms and scope, please share the expected Department Org Chart.
- A40) .1 Will be provided at award and contract start date.
- Q41) Page 58 – Superintendent - For clarity, please confirm that the Superintendent referenced in GC2.6 – has be replaced with the Operations Manager and 2 Superintendents.
- A41) Yes, replaced with Operations Manager and two (2) Superintendents.
- Q42) Page 69 – Payment – Please clarify the process.
.1 Progress claims are to be submitted for payment every 30 days?
.2 What will be the first payment period date?
.3 Will any start-up costs be eligible for payment prior to the June 1, 2018 take-over date – i.e. yard and residence set-up, material mobilization, etc?

- A42) Page 69 – Payment – Please clarify the process.
- .1 Yes.
 - .2 June 30, 2018. When Progress Payment/Statutory Declaration will be signed off and 30 days later for payment?
 - .3 Payment as per Contract Specification.
- Q43) Specifications Document - Page 7 – Road Condition Reports
- .1 In order to meet the daily road surface condition report, please confirm that the Client is expecting a daily road patrol (even outside of the winter season) be completed with records in order to meet the 7:30am requirement.
 - .2 Please confirm there is no line item for this patrol included in the schedule and this would be completed as an ‘overhead’ or ‘administrative’ costs.
 - .3 Please confirm that the details provided are to be both observed (unsafe road conditions) and planned works.
- A43) .1 Yes
.2 Yes
.3 Yes
- Q44) Page 16 –
- .1 Please clarify which shop drawings are required under Item.
 - .2 Will the Client be providing a drawing for the new concrete pads at Wonowon and Steamboat?
 - .3 When are the new pads expected to be poured?
- A44) .1 Shop drawing of camp and services.
.2 Yes
.3 Steamboat 2017, Wonowon 2018 (summer).
- Q45) Page 17 – Domestic Water and Septic Permits
- .1 Please clarify who is responsible for obtaining and maintaining these permits.
 - .2 Is there a cost involved?
- A45) .1 Contractor.
.2 There could be a cost associated and will be the contractor’s responsibility.
- Q46) Page 45
- .1 Emergency Spill Response - requires that the Health and Safety Office be on site during ‘fueling and other environmentally sensitive operations’. Please clarify this requirement as fueling will be completed daily in the various yard sites. Please also confirm the requirement for the OSA 40 Hour Hazardous Waste Training.
- A46) .1 Employees will have to be trained in correct procedures for the fueling and other environmentally sensitive operations.

Q47) Page 46

- .1 Relevant Standards – please clarify the licenses, designations, permits and approvals that will be required by the contractor.

A47) .1 As per contract specifications.

Q48) Page 47

- .1 Will the Client be providing the drawings and standards expected for the upgraded product transfer areas?

A48) .1 PWGSC will provide oil/water separator drawings and transfer areas will be the responsibility of Contractor to provide drawings.

Q49) Page 49

- .1 Please confirm there will be 6 signs installed in the contract area.

A49) .1 Yes, contractor will provide six (6) signs and no separate payment will be made.

Q50) Page 50 – Camp Specific Questions

- .1 Please confirm water and domestic sewage waste permits are in place at each camp location.
- .2 Please have the incumbent contractors provide the make, model and age of each trailer in each yard location.
- .3 Please confirm there is potable water available at each camp site
- .4 Please confirm that the Federal Government retains/maintains title on all the camp locations
- .5 Please confirm who owns the current septic and domestic water systems. Are these leasehold improvements owned by the Federal government, or will the incumbent contractor be expecting payment to take over these services?
- .6 Please confirm whether property tax is payable for each camp site? If tax is payable, who is responsible for payment and what is the annual value?

A50) .1 Contractor will require to receive that information from existing contractor at the time of the award and start date.

- .2 Contractor to provide ten (10) 2015 or newer mobile trailers, and two (2) at each camp.
- .3 Potable water is delivered at certain camps. Information will need to be obtained at the time of award from current contractors.
- .4 Yes
- .5 Contractor. Possible payment will have to be made to incumbent contractor.
- .6 Yes, Contractor is responsible. Value varies year to year.

Q51) Page 51

- .1 The current period to construct new facilities is only 8 weeks. This will be a short period to construct new facilities. Will the Client consider extending this construction/mobilization period in order to facilitate a smooth transition?

A51) .1 Possible extension depends on submitted camp setup plan.

Q52) Page 71 – Spot Sealing

- .1 Please confirm if there is a minimum and maximum size for spot sealing.

A52) .1 As per contract specifications.

Q53) Page 72

- .1 The Departmental Representative will indicate the areas of work and on page 74 – the Department Representative will identify the areas to be treated on a monthly basis and on Page 75 – 80% of the areas identified by the Department representative by May 15 shall be completed by July 31st each year – please confirm that the Department Representative will identify 80% of all works by May 15 each year in order to facilitate proper planning?

A53) .1 Departmental Representative will identify 80% of all works by June 1st of each year.

Q54) Page 76

- .1 Please confirm the number of pneumatic tired rollers required and any age requirement (this does not appear to be covered in the roller section).
- .2 Please confirm the requirements for new tailgate spreaders – are these expected to be 2018 or newer?
- .3 Is it possible to provide possible suppliers for the tailgate spreaders? These have been difficult to source to date

A54) .1 Two (2) self-propelled rollers, 2015 or newer.

.2 Yes

.3 Unknown. Possibly request current contractors to provide information.

Q55) Page 80

- .1 Please provide a date when the Departmental Representative will identify cracks for patching.

A55) June 1-15th of each year.

Q56) Page 96

- .1 Please confirm when the Departmental Representative provides the quantities for asphalt mixture each year.

A56) .1 When required discussion will take place.

- Q57) Page 100 and Page 101
- .1 Identification of Work (.1) please confirm when the Departmental Representative will identify the areas to be deep patched each year?
 - .2 Identification of Work (.2) Repairs must be completed within one week of identification – will the Client consider amending this requirement to coincide with the annual performance completion dates identified in the performance evaluation and allow deep patching to be completed simultaneously as BST? This will facilitate improved planning and scheduling and will reduce risk in order to improve unit pricing
- A57) .1 Spring of each year.
.2 Yes. Discussion will take place prior to marking out work.
- Q58) Page 112
- .1 Please confirm there is no age requirement on the dozers.
- A58) .1 See Section 3.2.5 (2015 or newer).
- Q59) Page 141
- .1 Please provide the MOU referenced under Section .3
- A59) .1 Will be provided at time of award.
- Q60) Page 143
- .1 Please confirm there is no age requirement on the pull-behind broom and that it is intended to be a side cast model.
- A60) .1 No age requirement, but must be in good operational condition and capable of completing tasks when required.
- Q61) Page 193
- .1 Please confirm which Departmental Representatives will have the authority to issue a Non-Conformance Report.
- A61) .1 All PWGSC Departmental Representatives.
- Q62) General: Pits and Aggregate
- .1 Please provide inventory of current Federally owned stockpiles by Pit location
 - .2 Crushing – when is crushing typically complete? What are the annual crushing quantities? Can you provide an anticipated crushing schedule?
 - .3 Does the Federal Government or the successful contract pay an aggregate royalty on aggregate produced? If yes, what the rate

- A62) .1 Will be provided at time of award.
.2 When and as required.
.3 No aggregate royalty's, but must be recorded and reported to PWGSC when removed/hailed from pits.
- Q63) Line Painting
.1 Please provide a line inventory list including length of centerline, fog line and other markings included in the contract. During the tender meeting, there seemed to be some confusion about the quantity of lines.
- A63) .1 As per contract specifications.
- Q64) Current Inventory
.1 An inspection revealed there is significant rutting in the right of way in some locations. Please confirm all existing ruts created in the right of way will be repaired prior to the contract commencing?
- A64) .1 Current ruts will be repaired that are identified by Departmental Representative. Ruts are ongoing and will be identified and require repair throughout contract duration.
- Q65) MSAT system
.1 Provide details and suppliers for the MSAT system.
- A65) .1 Details: MSV – Mobile Satellite Ventures-MSAT G2.
.2 Suppliers: Light Squared. Vector Communications. Remote Satellite Systems.
- Q66) .1 Can you provide a full list of all mandatory equipment for this contract?
.2 Can cold mix be trucked in from outside the Contract Area or is it mandatory to put it up in one or more pits within the area?
.3 Can you upload the MOU for bridge washing?
.4 Can you also upload the plans that provide the dimensions and layouts for the cement pads at the yard sites?
- A66) .1 See attachment – Mandatory Equipment
.2 Yes, cold mix can be provided from outside contract area.
.3 Will be provided at time of award.
.4 Concrete pads at Wonowon and Steamboat will be 40ft x50ft. Plans will be provided at time of award and once completed.
- Q67) Page 67 – 1.4.3 Measurement of Payment
.1 RCMP Recovery Company. Where does the liability end?

- A67) .1 An addendum is to be added to Contract Specifications Pg.67 1.4.3 – Measurement of Payment stating contractor should communicate with RCMP and Recovery Company at the time of incident.
- Q68) Page 168
.1 Design BST –
- A68) .1 To be done as per specifications.
- Q69) Page 84 – 1.3 Measurement of Payment
.1 How will Route and Seal be paid?
- A69) .1 As per contract specifications 1.3.1 Paid by linear meter.
- Q70) Why do you call for a slide in hopper under page 138 bullet 8 and 11, instead of the combo boxes that allow complete functionality from applying abrasives in minutes?
- A70) Combo boxes don't allow for hauling rip rap/ditching material (medium size) without putting in a layer of fine material to prevent damage, delay in time to complete tasks.
- Q71) Why are you specifying a six way underbody rather than the conventional one way that the industry has used for decades?
- A71) Six way underbodies allow operators to angle blade in either direction, and pull sanding material from shoulder to highway in winter months. Six way underbodies have more cylinders, which will apply more down pressure to remove compact from the highway surfaces. Six way underbodies are more versatile in summer months, allow grading of gravel patches if grader is unavailable.
- Q72) Would it be agreeable to supply 2017 trucks that we currently have outfitted [in the photo]?
- A72) Bid as per contract specifications.
- Q73) Would have thought that having a range of age for trucks would have made sense, i.e. no older than 2015, and being able to do, plow and abrasives?
- A73) Bid as per contract specifications.
- Q74) Please define the request for “runway sweeper”, page 143, bullet three. Are you referring to the overall width sweeper and compressor? Which seems like overkill and a legal operations problem for use on a restricted width roadway.
- A74) A runway sweeper is specified in contract to remove gravel from the following sections: Spot sealing (32 01 11.03) and Bituminous Surface Treatment (32 12 35), not for cleaning of snow

from the highway surface. Smaller sweepers power out and require extensive maintenance costs when they are required to sweep longer/wider gravel patches. The quicker the gravel is swept off the highway surface after spot Sealing and Bituminous Surface Treatment areas result in a safer highway for the travelling public. *No issues with legal or operational problem for restricted width roadway as the sweeper would be working within a construction zone (flagged or pilot car zone)*

Q75) Does PWGSC have access to a railway siding in the Fort Nelson area that could be used for delivery of materials?

A75) No.

Q76) The specification identifies "light weight one-way plows". Is there a specific weight at pavement that is being targeted and would use of power float mechanisms to achieve the target be acceptable?

A76) No. Experience has indicated that floats don't work and is maintained so we have gone to light weight one-way plows

Q77) The document requires a vibrator unit on the dump box. Can you confirm this is on the dump box and not on the slide in hopper?

A77) Dump Box

Q78) Does managing/overseeing a subcontractor on sealcoating projects count as years of experience?

A78) No, contractor should have completed sealcoating to gain experience.

Q79) In regards to Departmental Representatives trailer:

- .1 Is there any janitorial service required by the Contractor?
- .2 Who is responsible for replacing broken or worn accessories? Are they part of the maintenance costs for the contractor?
- .3 Do monthly operating costs get paid in the one-time lump sum payment, and if so, are there additional lump sum payments for operating costs in the extensions?

A79) .1 No
.2 Contractor's responsible to replace broken or worn accessories
.3 Monthly costs are paid as per contract expectations

Q80) When the PWGSC does their crushing projects is it possible for the contractor to utilize the same crushing outfit each time for the Contractor's crushing needs?

A80) Yes. Must be discussed with PWGSC first, as material is provided to contractor during contract period.

Q81) How often will answers and addendums be posted to <http://buyandsell.gc.ca?>

A81) As questions arise.

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This addendum is issued to provide details of PWGSC's comments from the Bidder's Conference, answer questions from potential bidders, and provide amendment to the Specifications as attached hereto.

PWGSC's Comments from Bidders Conference

The purpose of these comments is to highlight some of the maintenance items that are unique to this project.

Changes to the specifications and Contract Drawings

1. Section 01 11 00 – Summary of Work

Delete:

.5.1 Communication

Install new MSAT Dispatch Satellite and new Two-Way Radios in tandem dump trucks, graders, all 2015 or newer pickups,, steam unit, distributor and superintendent's/delegate's residence's and vehicles. No separate payment for supply or operation of radios or phones. Any update or changes to the communication systems after the contract award are subject to approval by the Departmental Representative. No separate payment will be made for any upgrade in communication equipment.

Insert

.5.1 Communication

Install new MSAT Dispatch Satellite and new Two-Way Radios, with PWC1 channel which will be provided at time of award, in tandem dump trucks, graders, all 2015 or newer pickups (10 pickups, 1 per camp is the minimum), steam unit, distributor and superintendent's/delegate's residence's and vehicles. No separate payment for supply or operation of radios or phones. Any update or changes to the communication systems after the contract award are subject to approval by the Departmental Representative. No separate payment will be made for any upgrade in communication equipment.

2. Section 01 35 14 – Traffic Regulations

Delete:

1.4.3 – Measurement of Payment

Traffic control is only required until and up to the time that R.C.M.P. release the scene to a recovery contractor. Once released traffic control becomes recovery contractor's responsibility.

Insert:

1.4.3 – Measurement of Payment

Traffic control is only required until and up to the time that R.C.M.P. release the scene to a recovery contractor. Once released traffic control becomes recovery contractor's responsibility. Contractor should communicate with R.C.M.P. and recovery company at time of incident.

3. Section 01 52 00 – Maintenance Facilities

Delete:

.1.1.3 Installation and Removal

New Shop at Wonowon and Steamboat. Concrete slab and foundation will be provided by PWGSC with sump and plumbing to edge of concrete slab. Contractor required to build suitable structure within foot print of concrete slab.

Diagram to be provided by Departmental Representative including location of oil/water separator.

Oil/Water separator for Fireside, Toad, Muncho, Wonowon and Steamboat shall be provided by contractor. No separate payment will be made.

Oil/water separators at other sites where no oil/water separators are present are to be provided by the contractor at maintenance facilities where and when requested by the Departmental Representative. Payment will be provided by the provisional cost sum. Three (3) price quotes shall be provided for each location which shall include all services including materials/equipment.

Install or upgrade to current standards product transfer areas (e.g. fuel tank sites) at Fireside, Toad River and Muncho Lake Maintenance camp, similar to the sites at other camps, acceptable to Departmental Representative.

Insert:

.1.1.3 Installation and Removal

New Shop at Wonowon and Steamboat. Concrete slab (size 40'x50') and foundation will be provided by PWGSC with sump and plumbing to edge of concrete slab. Contractor required to build suitable structure within foot print of concrete slab.

Diagram to be provided by Departmental Representative including location of oil/water separator.

Oil/Water separator for Fireside, Toad, Muncho, Wonowon and Steamboat shall be provided by contractor. No separate payment will be made.

Oil/water separators at other sites where no oil/water separators are present are to be provided by the contractor at maintenance facilities where and when requested by the Departmental Representative. Payment will be provided by the provisional cost sum. Three (3) price quotes shall be provided for each location which shall include all services including materials/equipment.

Install or upgrade to current standards product transfer areas (e.g. fuel tank sites) at Fireside, Toad River and Muncho Lake Maintenance camp, similar to the sites at other camps, acceptable to Departmental Representative.

Insert:

.1.1.4 Installation and Removal ****NEW****

Provide 2015 or newer residence trailers for employees and as many as needed to accommodate crew (approximately 2 per camp).

Delete:

1.8.2 – Signage

Provide project identification site sign comprising foundation, framing, and one 1200 x 2400 mm signboard as detailed and as described below.

Framework and battens: SPF, pressure treated minimum 89 x 89 mm.

Insert:

1.8.2 – Signage

Provide six (6) project identification site sign comprising foundation, framing, and one 1200 x 2400 mm signboard as detailed and as described below.

Framework and battens: SPF, pressure treated minimum 89 x 89 mm.

4. Section 31 10 11.03 – Spot Sealing

Delete:

.1.3.2.2 Measurement for Payment – BST Aggregate

Any excess BST aggregate material, including recycled BST aggregate material gathered with the Power Sweeper, shall be returned to the closest material source. This shall be incidental to work under this section.

Insert:

.1.3.2.2 Measurement for Payment – BST Aggregate

Any excess BST aggregate material, including recycled BST aggregate material gathered with the Power Sweeper, shall be returned to the closest material source. Trial period for completing/recycling material from BST activity will be completed to see if it's feasible and do-able. This shall be incidental to work under this section.

Delete:

3.2,.1.1 Equipment

Pressure Distributor 2007 or newer:

Insert:

3.2,.1.1 Equipment

Pressure Distributor 2005 or newer:

Delete:

3.2,1.1.1 Equipment

2018 or newer minimum 4,500 litre capacity distributor to be designed, equipped, maintained, and operated so that asphalt material at even temperature may be applied uniformly on variable widths of surface up to 3.9 m at readily determined and controlled rates from 0.3 to 5.5 litre/m². Unit to be capable of heating and circulation emulsified asphalt from and to storage tanks.

Insert:

3.2,1.1.1 Equipment

2005 or newer minimum 20,000 litre capacity distributor to be designed, equipped, maintained, and operated so that asphalt material at even temperature may be applied uniformly on variable widths of surface up to 3.9 m at readily determined and controlled rates from 0.3 to 5.5 litre/m². Unit to be capable of heating and circulation emulsified asphalt from and to storage tanks.

Delete:

3.2,.1.3.1 Equipment

Self-propelled pneumatic tired roller weighing no less than 10,000 kg equipped with:

Insert:

3.2,.1.3.1 Equipment

Self-propelled, 2015 or newer, pneumatic tired roller weighing no less than 10,000 kg equipped with:

5. Section 32 01 18.03 – Crack Sealing – Route and Seal (A)

Delete:

2.1, .2.1 Dust Cover Specifications

Pavements that are sealed with rubberized or elasticized sealant shall receive a dust coating with a material such as Portland Cement, talc, lime or the equivalent material approved by the Departmental Representative.

Insert:

2.1, .2.1 Dust Cover Specifications

Pavements that are sealed with rubberized or elasticized sealant shall receive a dust coating with a material such as 'DTAC' approved by the Departmental Representative.

6. Section 32 17 23 – Painted Pavement Markings

Delete:

2.1,.1.1 Materials

Shall be compliant to BC MOTI list of recognized products (December 2016 or newest edition)

Insert:

2.1,.1.1 Materials

AS per contract specifications

7. Section 32 21 00 – Snow Removal and Ice Control

Delete:

3.2.4.6 Equipment

Tires minimum 10.00 x 22.5

Insert:

3.2.4.6 Equipment

Tires minimum 10.00 x 24.5

Insert:

3.2.4.7.4 Equipment *NEW*

Chip spreader hitches

Delete:

3.3.11 Operation

Shut off sanders when meeting or passing traffic

Insert:

3.3.11 Operation

Shut off sanders when meeting or passing traffic, when safe to do so. Contractor will be responsible for any damage occurred to travelling public vehicles, through a claims process.

8. Section 39 11 00 – Sand Salt Mixtures

Delete:

2.3.4 Preparation of Materials

Prior to mixing, all aggregate must be screened to 100% passing 38 mm.

Insert:

2.3.4 Preparation of Materials

Prior to mixing, all aggregate must be screened to 100% passing 12.5 mm.

9. Section 32 12 35 – BST

Delete:

3.1,.2.1 Equipment

A self-propelled unit of approved design supported by at least four wheels equipped with pneumatic tires on two axles. Aggregate spreader to be equipped with positive controls in order that required amount of material will be deposited uniformly over full width of asphalt material.

Insert:

3.1,.2.1 Equipment

A self-propelled, 2005 or newer, unit of approved design supported by at least four wheels equipped with pneumatic tires on two axles. Aggregate spreader to be equipped with positive controls in order that required amount of material will be deposited uniformly over full width of asphalt material.