

City of Coquitlam

Request for Proposals
RFP No. 20-03-12

Supply and Delivery of
One (1) Single Axle Dump Truck
with Plows and Sander

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PROPOSAL SUBMISSION FORM

[APPENDIX A – PREFERRED SPECIFICATIONS – SINGLE AXLE DUMP TRUCKS WITH PLOWS AND SANDER](#)

[Appendix B – Crane Specifications and Pictures](#)

SUMMARY OF KEY INFORMATION

RFP Reference	<p style="text-align: center;">RFP No. 20-03-12</p> <p style="text-align: center;">Supply and Delivery of One (1) Single Axle Dump Truck with Plows and Sander</p>
Overview of the Opportunity	<p>The purpose of this RFP is to invite proposals from qualified firms for the supply and delivery of One (1) Single Axle Dump Truck with Plows and Sander as specified within this RFP document.</p>
Closing Date and Time	<p style="text-align: center;">2:00 pm local time</p> <p style="text-align: center;">Tuesday July 14, 2020</p>
Instructions for Proposal Submission	<p>Proposals are to be consolidated into one PDF file and uploaded electronically through Qfile, the City’s file transfer service accessed at qfile.coquitlam.ca/bid</p> <ol style="list-style-type: none"> 1. In the “Subject Field” enter: RFP Number and Name 2. Add files in .pdf format and Send (Ensure your web browser remains open until you receive 2 emails from Qfile to confirm receipt.) <p>Phone 604-927-3060 should assistance be required.</p> <p>The City reserves the right to accept proposals received after the Closing Date and Time.</p>
Obtaining RFP Documents	<p>RFP Documents are available for download from the City of Coquitlam’s website: www.coquitlam.ca/BidOpportunities</p> <p>Printing of RFP documents is the sole responsibility of the Proponents.</p>
Instructions to Proponents	<p>The guidelines for participation that will apply to this RFP are posted on the City’s website: Instructions to Proponents</p>
Questions	<p>Questions are to be submitted in writing quoting the RFP number and name up to 3 business days before the closing date sent to email: bid@coquitlam.ca</p>
Addenda	<p>Proponents are required to check the City’s website for any updated information and addenda issued, before the Closing Date at the following website: www.coquitlam.ca/BidOpportunities</p>
Withdrawal of Submission	<p>Proposals may be withdrawn by written notice only, made by an authorized representative of the Proponent sent to email: bid@coquitlam.ca prior to the Closing Date and Time.</p>
Terms and Conditions of Contract	<p>Standard Terms and Conditions - Purchase of Goods and Services are posted on the City’s website and will apply to the contract awarded as a result of this RFP.</p>

DEFINITIONS

“CMVSS” means Canadian Motor Vehicle Safety Standards

“Contract” means the City Purchase Order that will be issued to formalize the Contract with the successful Proponent through negotiation process with the City based on the Proposal submitted and will incorporate by reference the Request for Proposals, the Terms and Conditions of Contract included in this RFP, any additional subsequent information, any addenda issued, the Proponent’s response and acceptance by the City.

“City” “Owner” means City of Coquitlam.

“Contractor” means a Proponent whose Proposal the City has accepted and to whom the Contract has been awarded;

“Price” means the amount that will be paid by the City to the Supplier for delivery and acceptance of goods and Services.

“Proponent” means responder to this Request for Proposals.

“Proposal” means the submission by the Proponent.

“Request for Proposals” “RFP” shall mean and include the complete set of documents, specifications and addenda incorporated herein, and included in this Request for Proposals.

“Services” means and includes the provision by the successful Proponent of all Services, duties, and expectations as further described in this RFP.

“Shall” “Must” “Will” “Mandatory” means a requirement that must be met.

“Supplier” means the successful Proponent awarded the Contract for supply of vehicles, equipment and Services described in this RFP. The Supplier agrees to carry out all duties, obligations, work and Services outlined in this RFP, and include all associated documentation, addenda, and mutually agreed revisions subsequent to submission of a Proposal. “Supplier” and “Proponent” are complementary in terms of duties, obligations and responsibilities requested at the RFP stage through to provision of goods and Services.

1. INSTRUCTIONS TO PROPONENTS

1.1. Purpose

The purpose of this RFP is to invite proposals from qualified, experienced companies for the supply and delivery of **One (1) Single Axle Dump Truck with Plows and Sander** as stated within this RFP. Equipment shall be new and that which has never been owned except by a manufacturer, distributor or dealer and has never been registered.

The City is seeking to identify and select qualified Suppliers that have the knowledge, technical resources, experience, reputation and capacity to supply, deliver and provide continuous support for the equipment.

1.2. Proposal Submission

Proponents should complete and submit the information requested in this RFP document on the **Proposal Submission Form** and **Appendix A – Preferred Specifications** or in a format that has been approved and is acceptable to the City.

1.3. Specifications and Alternatives

Wherever the Specifications state a brand name, make, name of manufacturer, trade name, or Supplier catalogue number, it is for the purpose of establishing a grade or standard. It is not intended to rule out competition from equal brands or makes. If vehicles or equipment other than that specified is offered, it is the Proponent's responsibility to provide information in its Proposal that enables the City to confirm equivalency and acceptance.

Except where stated otherwise, **Appendix A – Preferred Specifications**, describe what is considered necessary to meet the performance requirements of the City and Proponents should consider this in its Proposal. If the Proponent cannot meet Specifications, the Proponent may identify and offer an alternative which it believes to be an equal or better alternative.

Special consideration may be given to accessibility of the various units which require periodic maintenance and ease of operation.

Proponents shall clearly indicate any variances from the City's Specifications or conditions and attach descriptive literature.

Proponents may also propose alternative equipment which meets the majority of the specifications if it is immediately available for delivery. The City will review proposed alternative equipment for suitability in order to take delivery sooner; however, the City is not obligated to accept any alternatives. The City will determine what constitutes acceptable deviations and overall best value.

Proponents are to provide environmentally efficient equipment and services wherever possible. If there are known alternatives or substitutions for such materials that would mitigate the effects of any adverse conditions on the environment, the Proponent agrees to advise the City of such alternatives or substitutions.

1.4. Warranties

The Proponent shall provide a full statement of the warranty period and terms, including extended warranty options, for items listed in **Appendix A – Preferred Specifications**, as a minimum. This warranty should clearly describe the terms under which the equipment manufacturer or sub-suppliers of the manufacturer accept responsibility for the cost to repair defects caused by faulty design, quality of work or material and for the applicable period of time after delivery.

1.5. Evaluation Criteria

The criteria for evaluation of the Proposals may include, but is not limited to:

Corporate Experience, Reputation, Capacity and Resources – 30 points

- Business and technical reputation and capabilities; experience, financial stability, capacity and resources
- References (on time delivery, support, performance, etc.)

Technical – 40 points

- Delivery Lead Time
- Compliance with the preferred specifications
- Warranties
- Local support and parts availability in Metro Vancouver area
- Training
- Mechanical/Fabrication assessment & Operator/Ergonomic assessment
- Demonstration Unit

Financial and Value Added – 30 points

- Financial offer including, but not limited to, prices, operating and maintenance costs, warranty, and any life cycle considerations
- Value Added / Sustainable benefits

These criteria will be used to determine best overall value to the City. Proposals will be compared to select one or more that are most advantageous.

And, upon selection of one or more lead Proponent(s):

- References may be contacted
- Interviews may be conducted

No scores or rates will be provided to any Proponents. Results of reference checks will not be disclosed or discussed with any Proponent.

The criteria listed above will be used to determine best overall value to the City. Proposals will be compared to select one or more that are most advantageous.

The City reserves the right to check references even if they are not specifically listed. Information obtained from references will be confidential and will not be disclosed to any Proponents.

The City may, at its discretion, request clarification or additional information from a Proponent with respect to any Proposal and the City may make such requests to only

selected Proponents. The City may consider such clarifications or additional information in evaluating a proposal.

Proponents agree the City may disclose names of Proponents and total award amount, however, unevaluated results, unit prices, rates or scores will not be provided to any Proponents.

Incomplete Proposals or Proposals submitted on forms other than the Proposal Form may be rejected.

The City reserves the right to reject without further consideration any Proposal which in its opinion does not meet the criteria it considers essential for the work outlined in this RFP

1.6. Prices

Prices shall be all-inclusive and stated in (Canadian Funds). Prices shall remain FIRM for the delivery of equipment and completion of the Services.

Supply and delivery of materials is to be included in the price, FOB, Freight Prepaid to:

**City of Coquitlam
Works Yard West
500 Mariner Way
Coquitlam, BC, V3K 7B6**

Prices shall include the provision of all tools, materials, equipment, labour, transportation, fuel, supervision, management, overhead, materials, traffic control, services, all necessary packing and crating (where applicable), Canadian Customs import and export duties, freight, handling, transportation, insurance, all other associated or related charges, foreign, federal, provincial and municipal taxes, bonding costs, all licences, permits, inspections and all other requirements necessary for the commencement, performance and completion of Services as described.

Taxes are to be shown separately at time of invoicing.

The lowest price of any Proposal will not necessarily be accepted but will be analyzed to determine best overall value.

1.7. Negotiation

The City reserves the right, prior to contract award, to negotiate changes to the scope of the services or to the contract documents (including pricing to meet budget) with the highest ranked Proponent and then consecutively, any one or more Proponents, proposing the “best value” without having any duty to advise any other Proponent or to allow them to vary their Proposal as a result of changes to the scope of the services or to the contract documents; and the City may enter into a changed or different contract with the proponent(s) proposing the “best value”, without liability to Proponents who are not awarded the Contract.

2. GENERAL CONDITIONS OF CONTRACT

2.1. Terms and Conditions of Contract

Award will be confirmed by issue of a City Purchase Order (“PO”) incorporating the information contained in this RFP.

The City’s [Standard Terms and Conditions - Purchase of Goods and Services](#) will apply to this Contract as a result of this RFP and are published on the City’s website. The City’s [Standard Terms and Conditions - Purchase of Goods and Services](#), the accepted Proposal, addenda and any subsequent clarifications, correspondence, the totality of which will constitute the Contract.

3. SCOPE OF SERVICES

3.1. General Requirements

The Supplier is to provide One (1) Single Axle Dump Truck with Plows and Sander to be used in a municipal environment as specified in **Appendix A – Preferred Specifications**.

The unit is to be the current production model with all the latest updates including, where requested, all manuals, instructions, training and requested spare parts.

3.2. Installation of City Equipment (Existing City owned)

Remove and install Crane model Amco Veba V812-3S c/w winch from a current City flatdeck and install on proposed vehicle. The Contractor is to provide all necessary materials, labour, tools and equipment for the removal of the existing crane along with its related components and install crane to full operating capacity.

The Services include, but are not limited to:

- Supply and Delivery of the equipment proposed;
- Provide local (Metro Vancouver) dealer warranty service;
- Provide post-delivery services and parts availability at a local dealer area;
- Preventative maintenance schedule; and
- Remove and install crane

3.3. Quality and Workmanship

The quality and workmanship of the completed delivered product must meet or exceed that of any sample, demo unit, or any other representation made by the Supplier prior to delivery.

Vehicles and equipment shall comply with all applicable legislated and regulatory standards. All welding shall meet American Welding Society or Canadian Welding Bureau current standards.

3.4. Environmental Considerations

Equipment offered is to be environmentally friendly, including but not limited to the manufacturing process, materials, oils, lubricants, paints and other fluid materials, wherever possible.

3.5. Pre-delivery Services

The equipment shall be delivered clean and shall be complete with all equipment required for the equipment to be operable. The delivered equipment will be inspected for compliance with the approved Purchase Order and current standards.

3.6. Pre-delivery Inspection

A road performance test and general operation inspection must be performed prior to delivery.

3.7. Delivery

Delivery is to be made with **minimum 48 hours' notice**, at a scheduled time that is mutually acceptable to the City, freight prepaid F.O.B to:

**City of Coquitlam – Works Yard West
500 Mariner Way
Coquitlam, BC, V3K 7B6**

An authorized representative of the Supplier shall supervise delivery to the City.

3.8. Documentation at Time of Delivery

The Supplier is to provide the following documentation upon delivery with each piece of equipment:

Quantity	Description
4 sets	KEYS - All keys (four full sets), a complete parts list, and service manuals are to be delivered with the vehicle
1	Manufacturer's Certificate of Origin
1	Warranty document and certifications
1 set	One complete Service Manual to cover, but not limited to, tires, engine, batteries, transmission, axles, electrical components to cover each piece of equipment proposed
1 set	One Parts Manual covering the entire piece of equipment proposed
1 set	One set of As-built Electrical Wiring Schematics to cover any and all wiring not installed by chassis manufacturer. This diagram to include part numbers and brand names of switches, lights, etc. of parts used
1 list	Complete PARTS LIST of all belts, hoses, and filters; including part numbers, manufacturer and use
1 list	All Fluid Capacities in litres.

3.9. Warranties

The Supplier agrees to repair or replace any faulty equipment and that any defects discovered and failures which occur during the guarantee period will be rectified to the satisfaction of the City within a reasonable amount of time at no cost to the City.

3.10. Recall Notices

In the event of any recall notice, technical service bulletin, or other important notification affecting a unit purchased under this Contract, a notice shall be sent to the City. It shall be the responsibility of the Supplier to assure that all recall notices are sent directly to the City Fleet department.



City of Coquitlam
REQUEST FOR PROPOSALS
RFP No. 20-03-12

Supply and Delivery of
One (1) Single Axle Dump Truck with Plows and Sander

Proposals will be received on or before 2:00 pm local time on
Tuesday July 14, 2020
(Closing Date and Time)

INSTRUCTIONS FOR PROPOSAL SUBMISSION

Proposal submissions are to be consolidated into one PDF file and uploaded through Qfile, the City's file transfer service accessed at website: qfile.coquitlam.ca/bid

- 1. In the "Subject Field" enter:** RFP Number and Name
- 2. Add files in .pdf format and "Send"**
(Ensure your web browser remains open until you receive 2 emails from Qfile to confirm upload is complete.)

Proponents are responsible to allow ample time to complete the Proposal Submission process. If assistance is required phone 604-927-3060 or fax 604-927-3035.

Proposal Submission Form

Complete and return this section with:
Appendix A – Preferred Specifications

Submitted by:

_____ (company name)

1. PRICE

Supply and Delivery of **One (1) Single Axle Dump Truck with Plows and Sander**

In accordance with **Appendix A – Preferred Specifications:**

RFP No. 20-03-12 One (1) Single Axle Dump Truck with Plows and Sander:		State:	
	Item	Quantity	Unit Price (exclude PST & GST)
a)	Single Axle Dump Truck with Plows and Sander:	1	\$
b)	Crane Removal and Installation:	1	\$
c)	Levies (per unit):		
d)	Environmental Tax (per unit):	1	\$
Sub-Total			\$
PST			\$
GST			\$
TOTAL PRICE (per unit)			\$

The Price must include all required decals, paint and any features required to be compliant with all regulations and standards and be fully operational.

2. VALUED ADDED SERVICES

Preferred Dealer Services - Provide information on what makes your firm innovative, what is your competitive advantage, what other Services, or leading edge engineering/technology your firm provides that would assist or would be of benefit to the City if your company is selected:

3. SUSTAINABLE BENEFITS AND SOCIAL RESPONSIBILITY

3.1. Sustainable Benefits

Describe all initiatives, policies, programs and product choices that illustrate your firm's efforts towards sustainable practises and environment responsibility in providing the services that would benefit the City:

3.2. Social Responsibility

a) What policies does your organization have for hiring apprentices, indigenous peoples, recent immigrants, veterans, young people, women, and people with disabilities:

b) What policies does your organization have for the procurement of goods and services from local small and medium sized business or social enterprises:

4. **DEMONSTRATION UNITS**

Availability, location and notification required to arrange for a demonstration and testing of the following equipment as proposed: **The City may choose to use the demo vehicle in the field for one day**	One (1) Single Axle Dump Truck with Plows and Sander:
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5. LEAD TIME FOR DELIVERY

The lead time for delivery of the new unit is an important consideration in this purchase. The Proponent guarantees to deliver the vehicle(s) F.O.B. (freight pre-paid) to:

City of Coquitlam, Works Yard West, 500 Mariner Way, Coquitlam, BC.

One (1) Single Axle Dump Truck with Plows and Sander	
Lead time in days for manufacture and delivery once the final specification is approved by the City:	

6. KEY FACILITY LOCATIONS

6.1. Manufacturing Plant

Business Name and Location:	
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6.2. Warranty and Repair Service Center

State location of nearest affiliate service facilities with factory authorized technicians located in Metro Vancouver area:

Business Name and Location:	
State the procedure for handling warranty claims:	

6.3. MRO Parts Distribution Center

Business Name and Location:	
Regular Lead Time for Delivery of <u>Stocked</u> Parts:	
Provide a list and details of stocked parts available at the local dealership for the equipment proposed (attach additional information if necessary):	
Location for non-stocked parts:	
Regular Lead Time of <u>Non-Stocked</u> Parts:	

7. QUALITY ASSURANCE

Quality Assurance Information		
5.1	Quality Assurance – Provide information on the systems of Quality Control and build specification assurance.	
	Preventative Maintenance – Provide preventative maintenance schedule.	Attach if necessary

8. TRAINING AND MANUALS

8.1. Training

Describe types of training that will be provided by Proponent’s professional Technicians:

a)	Operators – State duration of training, number of attendees and number of on-site workshops at Coquitlam Works Yard:	
b)	Fleet and Maintenance – State duration of training, number of attendees, number of workshops and Location.	
c)	Training Method – State type of training method used to teach.	

8.2. Manuals

a)	Manuals (online/web based/DVD/paper manuals) included: <ul style="list-style-type: none"> • 1 parts manual • 1 repair manual for truck and all mounted equipment • 1 service manual • 2 Operator’s manuals • Wiring schematics including all installed systems and equipment 	State Format available:
b)	Training Materials: online/web based/DVD/paper	State format available:

9. WARRANTIES AND EXTENDED WARRANTIES

Attach Warranty information including extended warranties. Any additional cost is to be stated:

Description	Price
Manufacturer Warranty	Included
State length of standard warranty	
Extended Bumper to Bumper Warranty State term and price:	\$
Other available Warranty Options:	\$

10. REFERENCES

Provide current references that the City may contact to verify successful performance of the proposed equipment.

Vehicle Description	
Approximate Value	
Owner	
Reference Contact	
Telephone and Email	

Vehicle Description	
Approximate Value	
Owner	
Reference Contact	
Telephone and Email	

Vehicle Description	
Approximate Value	
Owner	
Reference Contact	
Telephone and Email	

11. EXPERIENCE, CAPABILITIES AND CAPACITY

- a) Proponent's relevant experience and qualifications in delivering Goods and Services similar to those required by the RFP

- b) State length of time company has been in business and average number of units (of model proposed) sold per year:

12. ADDENDA

We acknowledge the receipt of the following Addenda related to this Request for Proposal and have incorporated the information received in preparing this Proposal:

Addendum No.	Date Issued

13. AUTHORIZATION

We hereby submit our Proposal for the supply and services as specified and undertake to carry out the work in accordance with all Regulations and Codes, applicable to this RFP.

We agree to the rules of participation outlined in the [Instructions to Proponents](#) and should our proposal be selected, will accept the City’s contract: [Standard Terms and Conditions - Purchase of Goods and Services](#)

The signature is an authorized person of the organization and declares the statements made in their submission are true and accurate.

For the purpose of this RFP submission, electronic signatures will be accepted.

Company Name:	
Address:	
Phone:	
GST Registration No.:	
Project Contact: Name and Title of Individual <i>for communication related to this RFP</i> (please print)	
Contact Email:	
Name & Title of Authorized Signatory: (please print)	
	Signature:
Date:	

APPENDIX A – PREFERRED SPECIFICATIONS – Single Axle Dump Truck with Plows and Sanders

ITEM	DESCRIPTION	PREFERRED SPECIFICATIONS	MEETS PREFERRED SPECIFICATION YES/NO
1.	GENERAL	It is the intent of these specifications is to describe the preferred requirements for One (1) Single Axle Dump Truck with Plows and Sander . The unit must have a standard road package that meets all legal requirements for operation on public roadways, including the BC Motor Vehicle Act, the federal Motor Vehicle Safety Act and Work Safe BC regulations.	
A.	Make		
B.	Model		
C.	Year of Manufacture		
D.	Vehicle Weight	GVW 43,000 Class 7/8 Style truck - State	
E.	Regulatory	<p>Must comply with all WorkSafe BC Regulations.</p> <p>Must meet all B.C. Motor Vehicle Regulations and meets all requirements to be driven on highways, roads, etc.</p> <p>Must meet 2020 mandatory emission requirements.</p> <p>To meet Canadian motor vehicle safety standards.</p>	
2.	CAB		
A.	Cab Type	Regular cab with separate suspension bucket style seats for driver and passenger.	
B.	Wipers	Dual wipers with intermittent function	
C.	Horns	Dual electric & air horns	
D.	Back-up Alarm	<p>Maximum 102 dBA:</p> <ul style="list-style-type: none"> • Does it meet Work Safe BC regulations and requirements? • Please state the dBA rating 	
E.	Heater	Multi speed high output heater, defroster and air conditioning	
F.	Radio	AM/FM radio with Bluetooth	
G.	Mirrors	<p>Electric adjustable mirrors and dual front fender mounted convex mirrors</p> <ul style="list-style-type: none"> • State options 	
H.	Power Accessories	<p>Power windows and door locks</p> <ul style="list-style-type: none"> • State options 	

2.		CAB (Cont'd)	
I.	Driver and passenger Seat's	Air ride premium seats with all ergonomic adjustments. Rider seat to be base cloth or vinyl. <ul style="list-style-type: none"> • Provide information as to ergonomic adjustments • State colour options 	
J.	Floor Cover	Vinyl cover State colour	
K.	Machine Control	Parker IQAN System Strongly preferred	
L.	Gauges	Is to include speedometer, tachometer, fuel, diesel exhaust fuel ("DEF"), oil pressure, coolant temperature, outside temperature, brake application, primary and secondary air reservoir gauges <ul style="list-style-type: none"> • State gauges which are included and what style of gauge each one is. Outside temperature gauge is dash mounted and factory installed. <ul style="list-style-type: none"> • Confirm outside temperature gauge is factory installed and is dash mounted 	
M.	Cab Light	Door activated dome light	
N.	Cab Handles	Left and right grab handles for the entry and exit of the cab.	
O.	Paint	Cab colour is standard white and is to come with base and clear coat Frame is to be black. Interior is to be gray. State colour options	
P.	Sound Suppression	Cab is to include sound suppression <ul style="list-style-type: none"> • State what means are used to achieve sound suppression • State the ambient noise within the cab while truck is in use 	
Q.	Safety	Unit is to come equipped with reflector kit and a mounted fire extinguisher <ul style="list-style-type: none"> • State where reflector kit is applied on unit • State size and where extinguisher is mounted 	
R.	Hood	Hood to be front tilting, with a fixed grill to allow for tilting of hood while plow is attached.	

3. CHASSIS			
A.	Wheel Base	Wheel base as short as possible to meet weight distribution requirements <ul style="list-style-type: none"> State wheel base length State overall width of unit 	
B.	Cab to Axle	To meet weight distribution requirements <ul style="list-style-type: none"> State cab to axle length State overall length of unit 	
C.	Fuel Tank(s)	Mounted as far forward as possible <ul style="list-style-type: none"> State mounting location and size of fuel tanks: 	
D.	Service Functions	Intended Service Functions: <ul style="list-style-type: none"> Dump Front plow Underbelly Plow Stainless Steel Salt/Sand Spreader Crane 	
4. DUMP BOX			
A.	Body	Painted with corrosion resistant grey zinc paint. <ul style="list-style-type: none"> Provide details on painting process State paint to used and its resistance to corrosion properties 	
B.	Construction	Longsill construction with no cross members <ul style="list-style-type: none"> State Welds to be continuous to prevent entry of water and material <ul style="list-style-type: none"> State: 	
C.	Bulkhead	Flat to maximize box capacity <ul style="list-style-type: none"> State 	
D.	Capacity	<ul style="list-style-type: none"> State capacity based on below dimensions 	
E.	Dimensions	Length – Approximately 10’ <ul style="list-style-type: none"> State: Width – Approximately 8’ 6” <ul style="list-style-type: none"> State Sides - Approximately 16” high including side boards to allow for hand loading over side. <ul style="list-style-type: none"> State: 	

4. DUMP BOX (Cont'd)			
F.	Tailgate	Hydraulic dump through lift gate – to facilitate loading and unloading of large objects <ul style="list-style-type: none"> • State locations of dump through openings on tailgate 	
G.	Sides	Low sides to allow for crane functionality. Steps and support handles integrated into box side for purposes of checking load. State:	
H.	Tarp	Spring rewind tarp system constructed to not interfere with crane or traffic advisory strip lights. <ul style="list-style-type: none"> • State: State option for air actuated tarp system 	
I.	Warranty	Warranty on dump box <ul style="list-style-type: none"> • State: 	
J.	Miscellaneous	Shovel, broom, and chock holders on roadside and curbside bulkhead, allow for three (3) tool holders on each side for a total of six (6) <ul style="list-style-type: none"> • State: Body safety prop for dump box • State: 	
5. ENGINE EQUIPMENT			
A.	Diesel Engine	Minimum 370 Horse Power & 1250 foot pounds engine torque: <ul style="list-style-type: none"> • State horse power rating of engine offered • State engine torque rating in foot pounds 	
B.	Emissions	Engine is to be 2020 emission compliant <ul style="list-style-type: none"> • Provide details 	
C.	Brake	Combination exhaust/compression brake: <ul style="list-style-type: none"> • State type 	
D.	Fuel Economy	<ul style="list-style-type: none"> • State fuel economy 	
E.	Filters	Lubricant, fuel and coolant filters – spin on <ul style="list-style-type: none"> • State if filters are spin on. If not, please provide style of filters 	
F.	Fuel Water Separator	<ul style="list-style-type: none"> • State style and mount location 	

5. ENGINE EQUIPMENT (Cont'd)			
G.	Hand Throttle	Hand throttle switch to increase, decrease or set engine RPM – cruise control switches are acceptable <ul style="list-style-type: none"> • State style of hand throttle 	
H.	Fuel	Biofuel compatible <ul style="list-style-type: none"> • State warranty coverage in regards to using biofuel • State maximum biodiesel content whether unit will work (20% to 100% biodiesel) 	
6. COOLING SYSTEM			
A.	Heavy Duty Radiator	Must meet engine & transmission cooling requirements: <ul style="list-style-type: none"> • Compliant with extended life coolant 	
B.	Transmission Cooler	Meets the needs of engine and transmission	
C.	Block Heater	1500 Watt with hard wiring to outside of cab <ul style="list-style-type: none"> • State wattage and confirm wiring location 	
D.	Hoses	Hoses are to be silicone with constant torque clamps	
7. ELECTRICAL			
A.	Alternator	Alternator 160 amp minimum: <ul style="list-style-type: none"> • State amperage of alternator • State warranty length 	
B.	Circuit Breakers	Auto reset to replace fuses	
C.	Lighting System	12 Volt lighting system with circuit protection Unit lighting is to be LED where possible <ul style="list-style-type: none"> • State where the unit utilizes LED lighting. • State warranty on LED lighting 	
D.	Wiring	Circuits are to be numbered and /or color coded. All wiring from back of cab to be sealed. Must have a minimum of 4 integrated auxiliary switches. <ul style="list-style-type: none"> • How many auxiliary switches does the proposed unit come with? 	
E.	Battery	Battery <ul style="list-style-type: none"> • State and the total CCA rating 	

7. ELECTRICAL (Cont'd)			
F.	Trailer Brake Controller	Full trailer towing package or aftermarket controller installed at the dealer with provisions for electric trailer brakes: <ul style="list-style-type: none"> State what is offered 	
8. EXTERIOR LIGHTING			
A.	Full Light Package	Includes headlights, amber warning lights, turn signals and brake lights Meets Canadian Motor Vehicle Safety Standards	
B.	Stop, Tail and Signal Lights	Separate stop, tail and signal lights recessed with protective guards to be LED. <ul style="list-style-type: none"> State type of lights Do lights come with protective guards? 	
C.	Clearance Lights	Clearance lights are to be LED <ul style="list-style-type: none"> State: 	
D.	Regulatory	Lighting to meet BC motor vehicle regulations	
E.	Back-up	Clear back-up lights to be LED and activate when reverse gear is selected	
F.	Strobe Lights	To be flush mounted on four corners of operators cab State mounting style and location	
G.	Work Lights	LED Work lights 2 lights on front plow 2 lights on each side 2 lights facing rearwards mounted at the back of the vehicle <ul style="list-style-type: none"> State: 	
H.	Beacon Lights	Dual dump box cab protection mounted LED beacons <ul style="list-style-type: none"> State model 	
I.	Traffic advisory strip light	Two LED traffic advisory strip lights to be mounted one facing forward, and one facing rearward with separate controls. <ul style="list-style-type: none"> State mounting details: 	

9.	TRANSMISSION		
A.	Transmission	Fully automatic transmission with live hydraulics able to operate the plow & sander <ul style="list-style-type: none"> • State all options available • State warranty • State Type 	
B.	Transmission Temperature Gauge	<ul style="list-style-type: none"> • State type of temperature gauge 	
C.	Transmission Lubricant	Synthetic lubricant for extended warranty <ul style="list-style-type: none"> • Provide information of synthetic lubricant and extended warranty options in respect to using synthetic lubricant 	
10.	FRONT AXLE		
A.	Capacity	Approximately 20,000 lb capacity suitable for front plow mount and operation. <ul style="list-style-type: none"> • State front axle capacity 	
B.	Shock Absorbers	Heavy Duty <ul style="list-style-type: none"> • State what is offered 	
11.	REAR AXLES		
A.	Capacity	Approximately 23,000 lbs suitable for the vehicles intended purpose <ul style="list-style-type: none"> • State rear axles capacity 	
B.	Axle Lock	Dash Mounted switch <ul style="list-style-type: none"> • Provide details 	
C.	Air Suspension	Air ride suspension with suspension gauge mounted in dash	
12.	STEERING		
A.	Power Steering	Tilt and telescopic	
13.	BRAKES		
A.	Front Brakes	Air disc brake required <ul style="list-style-type: none"> • State type of brakes • State size and thickness of rotors/drums and pads, size of calipers 	
B.	Rear Brakes	Air disc brake required <ul style="list-style-type: none"> • State type of brakes • State size and thickness of rotors/drums and pads, size of calipers 	
C.	Emergency Brake	State type and operation <ul style="list-style-type: none"> • State location 	

14. RIMS AND TIRES			
A.	Front Rims	Aluminum – non polished <ul style="list-style-type: none"> State size of rims Load rating 	
B.	Front Tires	Traction tires installed <ul style="list-style-type: none"> State tire manufacturer and model State tire size 	
C.	Rear Rims	Aluminum – non polished <ul style="list-style-type: none"> State size of rims Load rating 	
D.	Rear Tires	Traction tires installed <ul style="list-style-type: none"> State tire manufacturer and model State tire size 	
15. FRAME AND EQUIPMENT			
A.	Dump Box	Must be suitable for steel Dump Box State:	
B.	Trailer Hitch	Receiver style Hitch Installed with air and electrical <ul style="list-style-type: none"> State: 	
C.	Tow Hooks	Front mounted <ul style="list-style-type: none"> State: 	
D.	Mud Flaps	Front and Rear <ul style="list-style-type: none"> State: 	
E.	Front extended frame rails	Front extended frame rails to facilitate mounting of front plow. Bodybuilder to confirm length. State:	
F.	Tool box	Two (2) tool boxes to be mounted, one on curb and one on road side of vehicle, and to be as large as possible without interfering with equipment or ability to chain up vehicle. <ul style="list-style-type: none"> State size and location: 	
16. FUEL TANK			
A.	Fuel Tank	Diesel tank to be labelled “Diesel Fuel Only” Mounted as far forward as possible to accommodate belly snow plow: <ul style="list-style-type: none"> State capacity of tank in litres State location of tank 	
B.	Diesel Exhaust Fluid (“DEF”) Tank	DEF tank to be labelled “DEF Only” <ul style="list-style-type: none"> State capacity of tank in litres State location of tank 	

17. HYDRAULIC SYSTEM			
A.	System	Hydraulic system able to handle all hydraulic requirements <ul style="list-style-type: none"> • Provide information on hydraulic system abilities and restrictions • Capacity for front plow, sander, hoist and tailgate 	
B.	Controls	Parker IQAN all in one hydraulic control unit to operate: <p>Front plow Underbelly Plow Hoist Tailgate Sander Crane</p> <ul style="list-style-type: none"> • State: 	
C.	Tank	Hydraulic Tank to have sufficient volume to provide operation and adequate cooling. Preference is for a split tank fuel/hydraulic oil To be equipped with low oil and temperature sending unit <ul style="list-style-type: none"> • State volume of tank • Will tank proposed have adequate cooling capabilities for all attachments • State tank composition • Is tank a split design • State location of tank 	
D.	Power Take Off (“PTO”)	Sufficient to power all attachments stated <ul style="list-style-type: none"> • State type of PTO • State horse power rating • State torque capacity • State control mechanism to engage 	
E.			
18. EQUIPMENT – INSTALLED			
A.	Front Plow	J – Roll style 11 foot blade length 42 inch height Level raise lift system Snow wheels Hydraulic connections to be flush face screw in type <ul style="list-style-type: none"> • State make and model: 	
B.	Underbelly Plow	10’ fixed angle under belly plow	

		State	
C.	Spreader	Stainless steel inverted V hydraulic spreader, with lock bar to be actuated by tailgate locking mechanism. Must include top screen, and tip up chute. Must include front spill shield to prevent salt buildup between bulkhead and spreader. Rear fold up stainless ladder. Flush face screw in connections preferred. <ul style="list-style-type: none"> State Make, Model, and Connection type: 	
D.	Spreader Control	Parker IQAN to be compatible with all in one hydraulic control unit All wiring and switches to be labelled <ul style="list-style-type: none"> State: 	
E.	Joystick Controls	All in one control unit Parker IQAN <ul style="list-style-type: none"> State: 	
F.	Install Crane (Existing City owned Equipment)	Crane and Crane Smart anti 2 block control to be removed from flatdeck and installed on proposed truck. Crane must have full certification when complete.	
G.	Crane Hydraulic Requirements	<ul style="list-style-type: none"> Hydraulic pressure 4500 psi Hydraulic flow 7 gpm 	
H.	Frame space for Crane	Approximately 45"	
I.	Outrigger Requirements for Crane	Shorten outriggers for ground clearance if needed. (formerly hooklift mounted)	
19.	SAFETY EQUIPMENT		
A.	Certification	Meets ANSI B71.4-2004 standard Meets Canadian Motor Vehicle Safety Standards	
B.	Fire Extinguisher	5 lb ABC - Mounted in operators cab	
20.	WARRANTY		
A.	Warranty	<ul style="list-style-type: none"> State standard warranty, duration of warranty, what is included and what is not covered State engine and emissions warranty, duration of warranty, what is included and what is not covered Provide information as to available extended warranties what is covered, duration of coverage and cost to purchase 	

21.	DELIVERY		
A.	Pre-delivery and Inspection	Complete pre-delivery and motor vehicle inspection check	
22.	PARTS AND SERVICE		
A.	Spare Parts List	Complete list of preventative maintenance parts and consumables. <ul style="list-style-type: none"> • Provide part numbers and description 	

APPENDIX B - Crane model Amco Veba V812-3S and Winch





