



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions Travaux  
publics et Services gouvernementaux Canada  
Cabot Place, Phase II, 2nd Floor  
Box 4600  
St. John's, NL  
A1C 5T2  
Bid Fax: (709) 772-4603

**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**  
PWGSC / TPGSC - Nfld. Region  
Cabot Place, Phase II, 2nd Floor  
Box 4600  
St. John's, NL  
A1C 5T2

<b>Title - Sujet</b> Purchase Plow Truck&Blade Transport La déneigeuse d'achat et la lame	
<b>Solicitation No. - N° de l'invitation</b> T2012-220010/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> T2012-220010	<b>Date</b> 2022-06-08
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$XAQ-031-7802	
<b>File No. - N° de dossier</b> XAQ-2-45004 (031)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> Newfoundland Daylight Saving Time NDT <b>on - le 2022-06-28</b> Heure Avancée de Terre-Neuve HAT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Petten, Genevieve	<b>Buyer Id - Id de l'acheteur</b> xaq031
<b>Telephone No. - N° de téléphone</b> (709) 682-4097 ( )	<b>FAX No. - N° de FAX</b> (709) 772-4603
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Department of Transport Airport Management, Wabush Airport Wabush Labrador, NL and St. Anthony Airport, St. Anthony, NL	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

**Solicitation Amendment 003 is raised to:**

**1. Answer the following bidder questions:**

Q1: Would you accept a 20ft plow with a clear width of 16.5ft?

A1: We will accept a 20 foot plow if it can be angled to fit through a 17 foot garage door. The overall length of the plow vehicle (from front of angled plow to rearmost component) must be less than 11.28 meters (37 feet).

Q2: Current production spot availability of 4x4 truck chassis will have chassis arriving our location fall 2023, but could be pushed to the right. Would you accept a delivery date by 30 Mar 2024?

A2: We cannot accept a delivery date by March 2024 as the plow vehicles are urgently needed by the airports with delivery as soon as possible.

Q3: Item 1.2 – The maximum width for the unit in St Anthony is required to be less than 5.18m. However, it is also required that the unit be outfitted with a 19-foot plow. A plow of this width is 5.4m when turned at 32 degrees – so this spec item cannot be met. The document also asks that the plow be 'quick hitch' style, which means the operator can drop and pick up the plow without getting out of the vehicle – usually this feature is included so that the blade can be left outside, which would eliminate any issue with the width of the plow being 5.4m. Would PWGSC and TC consider changing the spec so that the max width is 'excluding the plow attachments'?

A3: No, we cannot change the specification so that the maximum width excludes the plow attachments. The St Anthony Airport intends to leave the plow attached to the snow plow vehicle and park both inside their garage due to extreme temperature and snow conditions during the winter. The maximum width for the unit remains 5.18m. In order to make this feasible, we will accept a minimum 17- foot plow or larger. However, if the plow must be angled to fit through the garage door, the overall length of the plow vehicle (from front of angled plow to rearmost component) must be less than 11.28 meters (37 feet).

Q4: Item 5.17.4 – Is a straight edge plow acceptable?

A4: No, a straight edge plow is not acceptable.

Q5: General Enquiry – Will the Units be pulling a runway sweeper, and if so, who will be responsible for the cost of integrating the sweeper and plow? (I.e. Wiring harnesses installed on plow, control boxes mounted in Cab, etc.) This is typically something we would do in production, but we would need to know the make of the sweeper and whether or not the proper controls and/or wiring harnesses are owned by the customer, or if we would be providing that.

A5: The snow plow vehicle units will be towing runway sweepers. The details on the sweepers will be provided following contract award. Transport Canada has control boxes for the sweepers.

## **2. Correct the term of contract:**

Delete in its entirety:

### **6.4 Term of Contract**

Insert as follows:

### **6.4 Term of Contract**

#### **6.4.1 Period of the Contract**

The period of the Contract is from date of award and ends one (1) year after delivery and acceptance of the work or the length of the Contractor's or manufacturer's standard warranty period.

#### **6.4.2 Delivery Date**

All the initial deliverables must be received on or before March 31, 2023.

All the optional deliverables (if excised) must be received on or before March 31, 2024.

#### **6.4.3 Option to Extend the Contract**

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to one (1) additional one (1) year period under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

#### **6.4.4 Optional Goods and/or Services**

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described in Annex A and Annex F of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option at any time before March 31, 2024 by sending a written notice to the Contractor.

### **3. Updated Annex A – Statement of Requirement**

Delete in its entirety:

#### **Annex A – Statement of Requirement**

Insert as follows:

#### **ANNEX "A"**

##### **STATEMENT OF REQUIREMENT**

To supply and deliver to Transport Canada two (2) Snow Plow Vehicles and accessories customarily furnished and installed on this unit, whether specified herein or not, to function reliably and efficiently under all conditions of service. These Snow Plow Vehicles are intended to replace the current plow vehicles at the airports and will tow runway sweepers.

TC reserves the right to exercise the option to purchase an additional Snow Plow Vehicle prior to March 31, 2024.

#### **FOB Destination:**

##### ***Wabush Airport***

Attn : Airport Manager  
2 Airport Road  
Wabush, Labrador NL  
A0R 1B0

##### ***St Anthony Airport***

Attn : Airport Manager  
1 Airport Road  
St Anthony, NL  
A0K 4S0

#### 4. Updated Annex B – Basis of Payment

Delete in its entirety: Annex B – Basis of Payment

Insert as follows:

#### ANNEX "B"

#### BASIS OF PAYMENT

Prices quoted to be Firm Lot Price, FOB Destination, including all delivery and offloading charges in accordance with the Requirement at Annex A. Customs duties are included and Applicable Taxes are extra. GST/HST is to be shown as a separate item on any resulting invoice.

Table 1:

article #	Description Initial Deliverables	Qty	Unit of measure	Firm Lot Price
1 a	Plow Vehicle with minimum 17 foot Reversible Plow– St. Anthony Airport Make and Model _____	1	Each	\$
1 b	Delivery and installation, including all freight and offloading charges DDP – St. Anthony, NL	1	Lot	\$
1 c	One-year on-site warranty	1	Lot	\$
2 a	Plow Vehicle with 20 foot Reversible Plow– Wabush Airport Make and Model _____	1	Each	\$
2 b	Delivery and installation, including all freight and offloading charges DDP – Wabush Airport, NL	1	Lot	\$
2 c	One-year on-site warranty	1	Lot	\$
	<b>Total</b>			\$

Requirement	Manufacturer Offered	Model Number Offered
Snow Plow Vehicle		

**Optional Items– To be exercised prior to March 31, 2024**

**Table 2:**

article #	Description Optional Deliverables	Qty	Unit of measure	Firm Lot Price
1 a	Plow Vehicle with minimum 17 foot Reversible Plow– St. Anthony Airport Make and Model _____	1	Each	\$
1 b	Delivery and installation, including all freight and offloading charges DDP – St. Anthony, NL	1	Lot	\$
1 c	One-year on-site warranty	1	Lot	\$
2 a	Plow Vehicle with 20 foot Reversible Plow– Wabush Airport Make and Model _____	1	Each	\$
2 b	Delivery and installation, including all freight and offloading charges DDP – Wabush Airport, NL	1	Lot	\$
2 c	One-year on-site warranty	1	Lot	\$
	<b>Total</b>			\$

Requirement	Manufacturer Offered	Model Number Offered
Snow Plow Vehicle		

**Table 3:**

Description	Total Evaluated Price
Table 1 Total + Table 2 Total	\$

## 5. Updated Annex F - Performance Specification And Cross Reference Table Mandatory Technical Requirements

Delete in its entirety:

### Annex F - Performance Specification And Cross Reference Table Mandatory Technical Requirements

Insert as follows:

#### ANNEX F

#### PERFORMANCE SPECIFICATION AND CROSS REFERENCE TABLE

#### MANDATORY TECHNICAL REQUIREMENTS

Item #	Performance Specification	Supporting Documentation (Page Number)
1.0	<p><b>Overview</b> – The vehicles supplied under this specification must be cab forward, four wheel drive including an automatic transmission, a diesel engine, set back front axles, and side opening engine cowling.</p> <p>The vehicles supplied are to be complete with all accessories customarily furnished and installed on this type of unit, whether specified herein or not, to enable the vehicle to function reliably and efficiently under all conditions of service. The snow plow vehicles will tow runway sweepers</p> <p><b>Whenever actual brand names or model names are referenced, equipment of equal or superior manufacture will be considered.</b></p>	Documentation not required
1.1	<p><b>Operating Conditions</b> – The vehicles supplied must be capable of operating without failure of components when loaded to the maximum GVWR. The vehicle must be capable of operating in ambient outdoor temperatures down to -40 degrees Celsius.</p>	

1.2	<p><b>Overall Dimensions-</b> The overall length of the plow vehicle (from front of plow to rearmost component) must be less than 11.28 meters (37 feet). The overall height of the plow vehicle must be less than 3.96 meters (13 feet) with all components installed.</p> <p><b>For St Anthony Airport plow vehicle:</b> The overall width of the plow vehicle must be less than 5.18 meters (17 feet) with all components installed. This requirement is to ensure plow vehicle including plow attachments can fit through 5.26 meters (17 foot, 3 inch) garage door.</p>	<p>Length</p> <p>Height</p> <p>Width</p>
<b>2.0</b>	<b>Regulations and Standards</b>	
2.1	General – All standards and specifications referenced herein refer to the latest editions unless otherwise stated.	Documentation not required
2.2	Highway Traffic Act – All applicable Highway Traffic Act or Regulations for the Province of Newfoundland must be adhered to.	Documentation not required

Item #	Performance Specification	Supporting Documentation (Page Number)
2.3	<b>Canada Motor Vehicle Safety Standards</b> – All applicable Canada Motor Vehicle Safety Standards must be adhered to.	Documentation not required
2.4	<b>Society of Automotive Engineers</b> – All notations in this Specification indicating SAE refer to the most recent specifications in effect, or its equivalent replacement specification in effect, by the Society of Automotive Engineers.	If “equivalent” provide more details
<b>3.0</b>	<b>Delivery/Training</b>	
3.1	<b>Pre-Delivery</b> – A pre-delivery service must be completed by the supplier prior to delivery. The vehicles must be lubricated and serviced with all associated products suitable for the climatic conditions in the area the vehicles will operate. The units must be delivered with a maximum of 50 engine hours.	



3.2	<b>Inspection</b> – The supplier must ensure that the vehicles are thoroughly tested, inspected and that all deviations are corrected prior to delivery. Transport Canada has the right to inspect the vehicles at any stage of production and have all deviations corrected upon request. A final inspection must be completed by the consignee at time of delivery.	
3.3	<b>Training</b> – At the cost of the supplier, a minimum of eight (8) hours of vehicle orientation and equipment maintenance training must be provided in English, to the purchasing Authority.	
4.0	<b>Warranty and Manuals</b>	
4.1	<b>Manuals</b>	
4.1.1	Must provide one hard print copy and one digital copy of the maintenance and parts manual, in English, for the vehicle chassis.	
4.1.2	Must provide one hard print copy and one digital copy of the manufacturer's maintenance and parts manuals, in English, for the front axle, transmission, engine, rear axle and any added equipment. Diagnostic software, if available, must also be provided.	

Item #	Performance Specification	Supporting Documentation (Page Number)
4.1.3	Must provide one hard print copy and one digital copy of vehicle operators manual. All manuals must be in English language, and, must be delivered with the vehicle.	
4.2	<b>Warranty Period</b> – Must provide warranty on all components and repair labour for a minimum of: <ul style="list-style-type: none"> <li>Vehicle complete – 12 months Engine – 24 months</li> <li>Transmission/Transfer case – 24 months</li> </ul>	

4.3	<b>Warranty Claims</b> – If any requested warranty repairs have not commenced within 48 hours of notification, Transport Canada- reserves the right to complete repairs and bill the supplier for the repair parts and labour in accordance with their standard repair time and rate.	Documentation not required
4.4	<b>Responsible Party</b> – Must specify the party responsible for performing any required warranty repairs and provide the name and phone number of the person to be contacted should any such repairs be required.	
5.0	<b>Cab and Chassis</b>	
5.1	<b>G.V.W.R</b>	
5.1.1	The minimum gross vehicle weight rating must be 21,000 Kg (46,000 lbs).	
5.2	<b>Chassis Dimensions</b>	
5.2.1	The vehicle wheelbase must be 3429 mm to 4166 mm (135 in to 164 in).	
5.2.2	The maximum turning radius should be 8.5 M (28 feet) to centre-line of front as per SAEJ695.	
5.3	<b>Engine</b>	
5.3.1	Engine must be a Tier 4 Final EPA approved diesel, incorporating wet sleeve replaceable cylinder liners.	

Item #	Performance Specification	Supporting Documentation (Page Number)
5.3.2	Minimum power output must be 350 HP at the manufacturers recommended maximum RPM per SAE-J1349. Minimum peak torque must be 1300 ft-lb.	
5.3.3	Oil filter must be a full flow type, incorporating a replacement element.	
5.3.4	In cab engine temperature gauge must be installed.	
5.3.5	Must provide a full flow, fuel/water separator incorporating a replaceable element.	

5.3.6	Must provide a two-stage inside/outside intake air cleaner complete with moisture eliminator and in-cab restriction gauge.	
5.3.7	Coolant protection to -40 C must be provided.	
5.3.8	The engine fan must incorporate a thermostatically controlled fan clutch.	
5.3.9	Engine block heater must be installed.	
5.3.10	Engine coolant filter with replaceable cartridges must be installed.	
<b>5.4</b>	<b>Transmission/Transfer Case</b>	
5.4.1	The vehicles must have an automatic transmission with power shift complete with integral transfer case and lock up torque converter. The transmission must have 6 forward gears in addition to reverse gear. Supplier must provide details on transmission programming capabilities and options. Supplier must certify that the transmission/transfer case is torque rated for the engine specified.	
5.4.2	Must provide an automatic safety device to ensure the vehicle engine can only be started in neutral range, and the range selector cannot be inadvertently shifted into reverse.	
5.4.3	Shift control quadrant must be illuminated.	

Item #	Performance Specification	Supporting Documentation (Page Number)
5.4.4	Must provide transmission oil cooler and a temperature gauge mounted on the instrument panel.	
5.4.5	The integral transfer case must have a proportional differential with an electric over hydraulic operated lock in/out switch.	
5.4.6	Must install a console mounted light to indicate when the transfer case is engaged, and the vehicle is operating in four wheel drive.	
<b>5.5</b>	<b>Suspensions</b>	

5.5.1	Both the front and rear springs must be progressive, with a minimum front rating of 10,433 kg (23,000 lbs) and a minimum rear rating of 10,433 kg (23,000 lbs).	
5.6	<b>Axles</b>	
5.6.1	The vehicles must be equipped with a minimum 1219 mm (48 in) set back front axle.	
5.6.2	The front driving steering axle must be a Meritor series or equivalent having a minimum capacity of 10,433 kg (23,000 lbs). Front axle to have a driver controlled, locking differential.	If "equivalent" provide make and model
5.6.3	The rear axle must have a driver controlled, locking differential, with a minimum capacity of 10,433 kg (23,000 lbs).	
5.6.4	Axle ratio must be provided to allow for an approximate road speed of 80 Km/Hr with the specified tires. Supplier to provide details on axle ratios.	
5.7	<b>Wheels/Rims</b>	
5.7.1	Wheels must be 10 stud 285.75mm bolt circle diameter.	
5.7.2	Front and rear rims must be 13 X 22.5, with identical offset so that front and rear tires are interchangeable.	
5.7.3	Both front and rear wheels must have a minimum weight rating of 4536 kg (10,000 lbs).	

Item #	Performance Specification	Supporting Documentation (Page Number)
<b>5.8</b>	<b>Tires</b>	
5.8.1	All tires must be tubeless, radial ply construction.	
5.8.2	Front and rear tires must be on/off road type 425/65R22.5	
<b>5.9</b>	<b>Steering</b>	
5.9.1	Vehicle steering must be mechanical or hydraulic. If mechanical, must provide two steering boxes- one main box and a secondary slave gearbox.	Proposed steering:
<b>5.10</b>	<b>Fuel Tank</b>	
5.10.1	Must provide a minimum 283 litre capacity fuel tank and be left side mounted.	
<b>5.11</b>	<b>Exhaust</b>	
5.11.1	Must be vertical mounted exhaust pipe equipped with an elbow.	
<b>5.12</b>	<b>Brakes</b>	
5.12.1	Must have dual system air brakes with anti-lock brake system (ABS) incorporating the following items:	
5.12.1.1	Must have minimum 13 CFM Compressor.	
5.12.1.2	Must have spring applied, air release parking brakes.	
5.12.1.3	Must be minimum 16.5 X 6 "S cam" or "Wedge" front brakes with automatic slack adjusters.	
5.12.1.4	Must be minimum 16.5 X 7 "S cam" rear brakes w/Automatic Adjusters.	
5.12.1.5	Must be Bendix AD-9, or equivalent, heated air dryer c/w moisture ejector.	If "equivalent" provide make and model
5.12.1.6	Must have in cab pressure gauge with low pressure warning light and buzzer.	
<b>5.13</b>	<b>Electrical</b>	

5.13.1	Must provide a minimum of four "DELCO" Series 1110 batteries or equivalent having a minimum of 3000 CCA capacity.	If "equivalent" providemake and model
5.13.2	Must include a minimum 105 amp 12V type 30 SI DELCO alternator or equivalent, with a low cut-in and high output at engine idle.	If "equivalent" providemake and model
5.13.3	Must provide a back-up alarm having a minimum of 97 dba as per SAE J-994 type "C".	

Item #	Performance Specification	Supporting Documentation (Page Number)
5.13.4	Must provide a warning light and buzzer to indicate all of the following conditions: high coolant temperature, and low engine oil pressure.	
5.13.5	Must provide an hour meter installed in the instrument panel.	
5.13.6	Must provide an externally mounted battery disconnect master switch.	
5.14	<b>Cab</b>	
5.14.1	Cab must be forward mounted to frame, to provide an unobstructed view of the plow blade for the operator. The window area must be a minimum of 4.8 m <sup>2</sup> (51.5 sq.ft). The cab must also provide Air Ride Suspension for operator comfort.	
5.14.2	Must be fully insulated cab equipped with maximum capacity fresh air intake heating and defrosting system, with air intake protected from the ingestion of rain and snow.	
5.14.3	The cab heating system must have sufficient capacity to maintain the cab interior at 13 degrees C with an ambient outside temperature of -40 degrees C.	
5.14.4	Must provide heavy duty, variable speed electrical wipers. Wipers must be mounted above the windshield and be a wet blade type windshield washer.	

5.14.5	Must provide in cab air conditioning sufficient to maintain the cab temperature at 21 degrees Celsius with an ambient outside temperature of 30 degrees Celsius.	
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5.14.6	A maximum soundproof insulation package must be fitted to provide the lowest possible interior sound level. Interior sound level must not exceed 83Db when measured in accordance with SAE J-336.	
5.14.7	Must provide driver's high back, vinyl, air ride suspension seat with fully adjustable lumbar support, adjustable seat tilt c/w 2 retractable adjustable arm rests and incorporate seat belts. Training seat must also be provided.	
5.14.8	Must provide lightweight dual heated mirrors minimum 16 X 6 in. with built in clearance lights. Must provide lower mounted convex mirrors on both sides.	
5.14.9	Head lights and work lights (minimum 6 LED headlights min. 55 watts each) must be recessed in the top of the cab structure.	

Item #	Performance Specification	Supporting Documentation (Page Number)
5.14.10	The Control Console must be mounted on the driver's right-hand side and must include all standard control equipment and in addition must include either air over hydraulic or electric over hydraulic joystick blade control that also has the capacity to integrate sweeper controls for a tow behind unit. (Supplier must provide complete details of console and control package being provided).	
5.15	<b>Front and Rear Fenders</b>	
5.15.1	Full front and rear fenders (supplier to provide details of composition i.e. metal, plastic, fiberglass, etc.) must be installed c/w mud flaps. Chains must be installed on the forward mud flaps to prevent them from coming in contact with the tire. The rearward mud flaps must not sail more than 30 degrees from the vertical.	
5.16	<b>Painting</b>	
5.16.1	The vehicle must be painted the manufacturer's standard method. Paint is epoxy type paint, Dupont Imron or equivalent. Paint color to be provided following contract award.	If "equivalent" provide further ..details
5.17	<b>Plow and Frame</b>	
5.17.1	Plow vehicle must be equipped with a heavy duty mounting plate for a reversible flared wing runway blade with DIN hands free or Quik Hitch type hitch.  St Anthony Airport's snow plow vehicle is to be outfitted with a minimum 5181.6 mm (204 inch or 17 foot) reversible snow plow.  Wabush Airport's snow plow vehicle is to be outfitted with a 6096 mm (240 inch or 20 foot) reversible snow plow.	
5.17.2	Vehicle must be equipped with a PTO for a HW plow and must be complete with pump, control valve, reservoir, controls, lines, fittings, etc.	



Item #	Performance Specification	Supporting Documentation (Page Number)
5.17.3	Plow must have a minimum 9.5 mm (3/8 inch) thickness polyurethane moldboard with minimum 5 mm (3/16 inch) steel backing plate equipped with, carbide cutting edges and snow deflector.	
5.17.4	Plow must be flared with a minimum 1270 mm (50 inch) moldboard height and 1626 mm (64 inch) discharge height.	
5.18	<b>Instruction Identification</b>	
5.18.1	Must provide permanently installed ISO or written instructions, diagrams and warning plates, where required to ensure efficient operation and servicing with maximum safety.	
6.0	<b>Additional Equipment That Must Be Provided</b>	
6.1	Heated fuel water separator rated for the engine power output.	
6.2	Full trailer connections to include both air and electrical connections mounted behind the engine cowling including a tractor protection valve, 7 pin electrical receptacle, and in cab trailer brake hand controller. The pintle hook should be provided with two (2) glad hands, one on either side, connected to the braking system.	
6.3	Air operated fast idle switch capable of maintaining a constant engine speed of 1200 RPM when engaged.	
6.4	The vehicle must be equipped with a fifth wheel, Holland # FW 6000 or equivalent to be compatible with a two-inch kingpin, Holland # KPT 807, or equivalent. To minimize the overall length of the vehicle configuration, the fifth wheel should be located to fit as close to the back of the vehicle as possible, without impeding other vehicle functions.	
6.5	Ballast weight to be supplied and installed "in frame" behind the rear axle. This mass is to be approximately 4000 lbs and is to securely attach to the vehicle frame with removable fasteners. Lift eyes are to be installed with a minimum capacity of 2X the ballast mass.	

Item #	Performance Specification	Supporting Documentation (Page Number)
6.6	Must install a Class 1 LED permanent roof mounted amber flashing (strobe) beacon light. This light must be permanently installed at the highest point of the cab roof for 360 degree visibility. The on/off switch is to be located on the dash with the appropriate identification.	
6.7	Provide three (3) sets of all replacement consumable filters used on the vehicle	
6.8	Supply one spare tire on rim.	
6.9	Supply one additional complete set of cutting edge.	

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*All other terms and conditions remain the same.*