

**CONTRACT
AWARD**

STATE OF ALASKA
HQ, STATE EQUIPMENT FLEET (Contracting Authority)
2200 E. 42nd Avenue
Anchorage, Alaska 99508

CONTRACT AWARD NUMBER

CA1792-14

ORDERING DEPARTMENT:
HEADQUARTERS, STATE EQUIPMENT FLEET
2200 E. 42ND AVENUE
ANCHORAGE, ALASKA 99508
(907) 269-0793 PHONE / (907) 269-0801 FAX

CONTRACTOR: CONSTRUCTION MACHINERY

ADDRESS: 5400 HOMER DRIVE
ANCHORAGE, AK 99518

CONTACT NAME: GREG MORRISON

PHONE NUMBER: 907-261-0163

E-MAIL: GREG.MORRISON@CMIAC.COM

DATE OF CONTRACT: JULY 8, 2013
DATE INITIAL CONTRACT BEGINS: JULY 8, 2013
DATE INITIAL CONTRACT ENDS: JULY 8, 2014
NUMBER & PERIOD OF RENEWALS: (3) OPTIONAL 1 YEAR RENEWALS
RENEWALS EXPIRE (MO/YR): JULY 8, 2017
ISSUED IN ACCORDANCE WITH BID # SEF- 1792 **DATED:** FEBRUARY 27, 2013
ESTIMATED VALUE OF INITIAL TERM: \$5,000,000.00

SEND INVOICES IN DUPLICATE TO: STATE EQUIPMENT FLEET, 2200 E. 42ND AVENUE, ANCHORAGE AK 99508

THIS ORDER CONSTITUTES A BINDING COMMITMENT BETWEEN THE STATE AND THE CONTRACTOR LISTED HEREON. UNAUTHORIZED MODIFICATION WITHOUT THE EXPRESSED PRIOR APPROVAL OF THE CONTRACTING AUTHORITY WILL RESULT IN A FINANCIAL OBLIGATION ON THE CONTRACTOR AND/OR UNAUTHORIZED STATE PERSONNEL MAKING THE CHANGE.

DESCRIPTION

**1 - YEAR CONTRACT WITH (3) OPTIONAL 1 YEAR RENEWALS
TO PROVIDE CURRENT MODEL YEAR MACK GRANITE GU713 6X4 68,000 GVW CHASSIS**

**CONTRACTING OFFICER
DUANE FELTON
PHONE: (907) 269-0788
EMAIL: DUANE.FELTON@ALASKA.GOV**

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CONTRACTING AUTHORITY NAME & TITLE

SIGNATURE

CONTRACTOR AUTHORITY NAME & TITLE

SIGNATURE

IMPORTANT 1. Contract award number and ordering department name must appear on all invoices and documents relating to this order.
2. The State is registered for tax free transactions under Chapter 32, IRS Code Registration No. 92-601185. Items are for the exclusive use of the State and not for resale.

1.0 CONTRACT INTENT:

- 1.1 Intent: Furnish 68,000 lb. GVWR Class 8 Cab and Chassis units that will be up-fitted with assorted dump bodies and snow plowing components or 5th Wheel Packages.
- 1.2 Contract Period: 1 year with possible three (3) 1 year extensions
- 1.3 Quantities: 10 up to 50 units during initial contract term
- 1.4 Location of Use: Statewide Alaska
- 1.5 Dealer warranty locations, Anchorage, Juneau, Fairbanks
- 1.6 In addition to the State of Alaska requirements, the Municipality of Anchorage and other Alaska political subdivisions may cooperatively purchase from the resulting contract.
 - 1.6.1 At no time may the contractor change the terms and conditions, alter the price to another entity, which differs from the contractual price, nor charge undisclosed administrative fees to allow cooperative purchasing.

2.0 DELIVERY OF CHASSIS TO UP-FITTER:

- 2.1 When a chassis is delivered from the manufacture directly to the up-fitter, the State of Alaska will require a receiving report to be filled out by the receiving up-fitter and faxed or scanned to the procurement officer listed on the purchase order. (see attachment one for example) once this form is received by the procurement officer and with an approved invoice from the chassis supplier payment can be authorized.

3.0 DELIVERY OF CHASSIS OR COMPLETED TRUCK TO SPECIFIED LOCATION:

- 3.1 **Pre-delivery service:** Prior to final delivery to the State of Alaska, each vehicle, piece of equipment or attachment shall be serviced and inspected by the dealer or his agent. Inspection must include the following (as applicable to the type of equipment):
 - 3.1.1 Dealer and vehicle identification including Year, Make, Model, Complete VIN number and purchasers purchase order number.
 - 3.1.2 Check-off of service and inspection performed including a list of all fluids including type weight and specification that are in the equipment as delivered for all fluid compartments.
 - 3.1.3 The vehicle's crankcase, differential and transmission, and other chassis fluid compartments shall be filled to the manufacturer's recommended capacity.
 - 3.1.4 Fuel tank shall be filled to at least register a minimum ¼ full on the fuel gauge, unless restricted by the commercial carrier, when the vehicle arrives at the delivery location.
 - 3.1.5 The vehicle shall be clean and free from defects when delivered and should be ready for up-fitting or final delivery of a complete turnkey unit.. Any defects or damage will be noted on the receiving report.
 - 3.1.6 Units delivered in an incomplete state, or which have deficiencies per the specification, are subject to the damage charges as noted in paragraph 6.0 below.
- 3.2 **Delivery Receipt:**
 - 3.2.1 A delivery receipt will be required. The receipt or other receiving report must be filled out by the manufacture, vendor, or up-fitter and acknowledged by receiving personnel by signature and date of actual receipt of equipment. One copy of this delivery receipt is to be faxed or emailed to the Procurement Officer listed on the purchase order before payment of chassis can be processed.
 - 3.2.2 Vendors are cautioned and advised that such delivery forms or other receiving type documents will not in any way be construed to mean the state has formally and fully accepted unit(s) referenced thereon as complete and meeting every specification set forth. Only the Contracting Officer or designee may sign warranty documentation.

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- 3.2.3 Vendors delivery from shall include at a minimum vehicle information and all major components installed if applicable (year, make, model, VIN), delivery form shall also include an area that indicates all systems have been tested and are in working order.

4.0 EQUIPMENT RELIABILITY:

Reliability of equipment is of paramount importance to the State. It is the policy of SEF to require minimum levels of reliability from owned or leased equipment for it to be considered acceptable. Equipment offered for this bid must be capable of meeting the acceptable reliability standard stated below.

- 4.1 Acceptable Reliability: The State will monitor equipment reliability. Acceptable reliability for this contract is achieved when a machine achieves or maintains a Reliability Ratio (RR) equal to or exceeding the following:
- 4.1.1 .90 (90 percent) PR during any consecutive 12-months (365 days) during the warranty period.
 - 4.1.2 .75 (75 percent) PR per operational month (recognizing operational as subject to weather and being defined by calendar days) during the consecutive 12-month period.
 - 4.1.3 PR below the state percentages do not meet minimum reliability requirements for state owned equipment.

5.0 MACHINE FAILURE AND DOWNTIME:

- 5.1 **Machine Failure** is any and all loss of capability to perform fully, as specified, which is not attributed to **Conditioned Failure**. Machine Failure resulting in the unit being out of service is defined as **Downtime**.
- 5.2 **Conditioned Failure** is any Machine Failure attributable to accident, operator abuse or other external cause not attributable to a defect in the machine itself.
- 5.3 **Downtime** is the actual number of days or fractions of days that the equipment is in a state of Machine Failure. Downtime does not count time used for scheduled maintenance (including preventative maintenance and scheduled major overhauls), time lost for repair maintenance and scheduled major overhauls, time lost for repair of damage as a result of operator abuse or machine misapplication; or time lost as a result of accident or an act of God. Downtime includes:

Actual shop hours (and/or field repair hours) required to return unit to full operational status following machine failure, including trouble-shooting, repair, necessary replacement of parts, and necessary adjustments, plus

lost waiting for parts and/or vendor assistance. "Waiting downtime" also applies if need for parts/assistance is discovered during routine maintenance and return to service is deemed counterproductive. In this case, "waiting time" clock begins with notice of need to vendor. Allowance may be considered in "waiting time" calculations if arrival of parts/assistance is delayed by transportation shutdown, to include verifiable transportation scheduling difficulties such as infrequent flights as long as all reasonable alternatives have been exhausted. Parts and assistance are to be provided by the quickest means reasonably possible to avoid unnecessary delays and downtime.

- 5.4 **Out of Service Report (OSR):** Downtime resulting from machine failure is the actual number of hours a machine is out of service as recorded on the OSR or in the Equipment Maintenance Management System (EMS).

The State will record all downtime on an OSR or EMS work order, which will be originated for each occurrence of downtime. The document will show the date and time a unit went down, the location where the machine was based, the reason the machine is down, date and time the vendor was notified (if applicable), the date and time the machine was returned to service, and the total hours of downtime.

The Contract Manager will finalize and approve the OSR or EMS work order. Both are available for contractor review.

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5.5 **Reporting Downtime:** The Contracting Officer will maintain documentation of all Downtime, and shall send copies of such documentation to the contractor.

Calculation of Reliability Ratio: RR is the mathematical ration of operated time (uptime) to out of service time (downtime). The RR will be calculated according to the following formula:

$$RR = \frac{\text{Days in a Month} - \text{Days Out of Service}^*}{\text{Days in a Month}^{**}} = \frac{DM - DO}{DM}$$

Note * : Fractional Days apply, i.e., a unit is out of service 8 hours in a 24 hour period equals 1/3 or .33% of a day.

Note **: A day is allocated as 24 consecutive hours from 12:00 AM to 12:00 PM.

Example: 30 days DM with 2 days and 8 hours DT would result in:

$$RR = \frac{30 - 2.33}{30} = .92$$

5.6 **Unacceptable Reliability:** If an item of equipment fails to perform at an acceptable level of reliability during the warranty period, the Contracting Officer will notify the contractor and request immediate remedy. Failure to remedy the piece of equipment within 30 days for failure will result in a breach of contract and the immediate return of the equipment and reimbursement of the **Guaranteed Value (V)** of the unit:

Original Cost of the unit less (-) Freight = \$ _____ (V)

Guaranteed Value (V) less (-) the **Cost of Operation** as listed in the Equipment Rental Rate Blue Book _____ or comparable equipment or the current Federal Fixed Usage Rate for the Class for the State of Alaska (a, b or c per hour) times (X) the number of hours used = _____ (DV).

All 68,000 GVWR Cab and Chassis Units = \$74.54 per hour.

a. Example: Cost of a single unit, less freight = \$150,000. The hourly cost is \$150.00 per hour. The unit was used 150 hours prior to failing the acceptable reliability. The contractor guarantees the unit's worth at \$127,500.00.

Prior to return, the State will correct all reasonable cosmetic deficiencies (such as excessive rust) and those deficiencies that are directly related to damage due to accidents, misuse of equipment or failure to operate or maintain equipment as prescribed by the vendor/manufacturer, prior to public auction.

The tires will be serviceable with at least 50% remaining thread.

Oil samples, as per manufacturer's service manual recommendations, will be taken by State of Alaska maintenance personnel on the engine, transmission, differentials and hydraulics.

In the case of dispute, at the expense of the State, a qualified agent from Northern Adjusters, Inc. or another professionally recognized appraiser may be commissioned for an independent claim appraisal. Such appraisal shall be binding upon the State and the contractor.

6.0 **F.O.B. POINT:**

6.1 The F.O.B. point of a bare chassis will be to Anchorage Alaska or any continental United States location of State of Alaska choice and will be listed on the purchase order issued.. Ownership of and title will remain with the contractor until delivery is completed to and accepted by the up-fitter contractor or location as specified on the purchase order.. Equipment is not to be driven on the Alcan Highway without prior written approval from the contracting officer.

6.2 All shipping charges of chassis (including spare tires) ordered and delivered to the location specified on the purchase order under this contract are the responsibility of the contractor.

7.0 DAMAGES FOR LATE DELIVERY AND NON-CONFORMING GOODS:

- 7.1 Time is of the essence in this contract. The Bidder is expected to deliver goods that conform in all material respects to the contract specifications on or before the date provided therein, as may be amended by written agreement of the parties.
- 7.2 In the event that the equipment is delivered late or does not conform to the contract specifications, the State shall be entitled to offset against the Contract Price, as liquidated damages and not as a penalty, an amount equal to the cost of renting like equipment, multiplied by the number of calendar days elapsing between the delivery date provided in the bid schedule and the delivery date to the State. In the case of a truck of this class, that daily rental fee is determined to be \$42.00. The number of days for which liquidated damages shall apply shall include, in the case of non-conforming goods, the time reasonably necessary for the State to perform inspection.
- 7.3 These liquidated damages represent a reasonable estimate of amounts necessary to compensate the State for loss of use of the goods during the period in which the goods would have been available to the State if conforming goods had been timely delivered.

8.0 WARRANTY:

- 8.1 **Standard Warranty Package:** Unless otherwise stipulated by this ITB, the successful bidder will provide a one-year (12-month) warranty.
 - 8.1.1.1 Full (100%) Parts and Labor Warranty Coverage of all components for 12 months (year one), from the date the unit is placed in service at the assigned location.
 - 8.1.1.2 Full (100%) Warranty Coverage includes all cost of labor, parts, freight, lubricants, miscellaneous cost, etc., to place the unit in like-new condition.
 - 8.1.1.3 Frame Warranty: 36 months/300,000 miles
 - 8.1.1.4 Cab Warranty: 24 months/200,000 miles
 - 8.1.1.5 Suspension warranty: 12 months/100,000 miles
 - 8.1.1.6 Engine warranty: 24 months/250,000 miles
 - 8.1.1.7 Allison Transmission warranty: 36 months
 - 8.1.1.8 DPF System warranty: 24 months
 - 8.1.1.9 Emissions System warranty: 60 months/100,000 miles
 - 8.1.2 Should the manufacturer's standard warranty exceed the minimum State warranty requirements, the manufacturer's warranty will run in conjunction with and enhance the State's warranty, then continue for the remainder of its term.
 - 8.1.3 For clarification, warranty does not apply to normal wear and tear or maintenance items, accident damages, misuse of equipment or failure to operate or maintain equipment as prescribed by vendor/manufacturer.
 - 8.1.4 Warranty on Attachments: Same as Standard Warranty Package
 - 8.1.5 In-Service Date: Warranty on vehicles not placed in service immediately upon receipt because of time lag to construct body components and/or installation of special equipment, or due to seasonal usage or other delay, shall be warranted from the date the vehicle is placed in service. The receiving agency shall notify the vendor/manufacturer in writing of the actual "in service" date. Notification of the requirement for delayed warranty will be provided on delivery orders whenever possible.
- 8.2 Warranty Claims:**
- 8.2.1 Warranty will be provided at the unit's assigned (in-service) location. Because of the remote location of some equipment it is not always practical to deliver equipment to authorized warranty repair facilities. In these cases, the vendor may perform warranty work at the state's location or, the State of Alaska, at its discretion, reserves the right to perform the warranty work and be

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reimbursed by the vendor. If travel is required by State personnel to perform the work, actual costs will be used for reimbursement.

- 8.2.2 The State of Alaska has established a warranty procedure whereby the vendor is to be notified via letter, email, or fax, that warranty work needs to be performed. If time is of the essence, a telephone call confirmed by one of the above written procedures may be utilized.
- 8.2.3 The vendor must notify the state within 24 hours of verbal or written notification that it will begin to perform the warranty work at the equipment location.
- 8.2.4 The State may, at its discretion, proceed to make warranty repairs with its own work force in the case of emergency situation or to preclude excessive downtime (greater than 24 hours). The State will require a PO to perform the warranty work.
- 8.2.5 Failure to notify the State that the vendor intends to begin to perform warranty is considered a contractual breach.
- 8.2.6 The vendor will be invoiced for required warranty work performed by the state. Warranty work performed by the state will be charged at the current SEF shop labor rate at the time of the repair. Actual repair time will be used.

8.3 Warranty Performed by Vendor:

- 8.3.1 The State will reimburse travel costs not reimbursed by the manufacturer for travel to and from the bidder's closest warranty service center within the State of Alaska to the location of the equipment under warranty. Travel costs will be billed as follows
 - 8.3.1.1 Mileage Charge: Mileage will only be reimbursed for travel within Alaska at the rate allowable by the IRS.
 - 8.3.1.2 Meals are paid at actual and charges must be accompanied by receipts and are not to exceed the State authorized \$60.00 per day.
 - 8.3.1.3 Transportation, such as airfare, shall be reimbursed at actual and all charges are to be accompanied by a receipt/copy of the coach ticket.
 - 8.3.1.4 Lodging shall be reimbursed at actual and shall not exceed \$150.00 per night unless no other lodging is available. Requests for reimbursement must be accompanied by a receipt.
- 8.3.2 Travel will only be reimbursed for time in Alaska.
- 8.3.3 After hours, weekend and holiday travel must be approved by the contracting officer to be considered for reimbursement. The State will not pay for weather delays.

8.4 Authorized Warranty Dealer (Contractor):

- 8.4.1 Contractor (bidder) must have Authorized Warranty Dealer that has all required licenses, facilities and factory certified and trained personnel necessary to perform the warranty servicing and repair work.

Provide name and address for each Authorized Warranty Dealer for each location.

- (*) Construction Machinery Industrial LLC, 5400 Homer Dr. Anchorage, AK 99518
- Construction Machinery Industrial LLC, 2615 20th Ave. Fairbanks, AK 99709
- Construction Machinery Industrial LLC, 5302 Commercial Boulevard Juneau, AK 99801

Provide contact name and contact information for Warranty Administrator:

- (*) Diane Duval, 5400 Homer Dr. Anchorage, AK 99518 (907)-563-3822

Provide documentation of factory certified and trained personnel:

- (*) Documentation on File

The ultimate responsibility for warranty of the chassis lies with the contractor (bidder).

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8.4.2 The State reserves the right to inspect the warranty facility and diagnostic equipment prior to issuing the Notice of Intent to Award a contract.

8.5 Factory Recall:

8.5.1 Nationwide factory recall or product update programs are the responsibility of the vendor and/or manufacturer. The State will attempt to bring affected equipment to an authorized repair facility. However, because of the remoteness of some equipment this is not always practicable or economical. In such cases, factory recall and modification work will be handled the same as warranty work. Factory recall notices sent to the state should, in addition to serial number, include model, year, and dealer.

9.0 REPAIR ORDERS AND DOCUMENTATION:

9.1 Any work performed by the contractor or approved subcontractor, whether warranty or any other work on a piece of equipment purchased under this ITB, will require a copy of the repair order, any invoices showing parts and commodities including oils and types used.

10.0 PUBLICATIONS:

10.1 Paper and or CD, DVD, or USB Flash Drive publications are to be received by the State of Alaska at time of delivery of the unit. Custom manuals (if required) may be delivered no later than 30 days after receipt of the unit. Delivery will not be considered complete until the publications for each unit have been received by the State of Alaska. Note: Publications, when required, will be ordered on the same Purchase Order as the unit itself.

10.1.1 All paper manuals if ordered are to be pre-assembled in factory binders prior to delivery.

10.1.2 CD, DVD, or USB Flash Drives are to be with the unit at time of delivery.

10.2 Service Manuals:

10.2.1 Complete set(s) to include applicable information covering prime unit and attachments:

10.2.2 Body, chassis, and electrical

10.2.3 Engine, transmission, and differential(s) (service and rebuild)

10.2.4 Electrical and vacuum troubleshooting

10.2.5 Wiring diagrams

10.2.6 Service specifications

10.2.7 Engine/emission diagnosis

10.3 Parts Manuals:

10.3.1 Complete set(s) including all updates. If updates are not provided during the warranty period, the State may order them from the manufacturer and bill the contractor for the full cost, including shipping.

10.3.2 Parts manuals are to be customized by serial number.

10.4 **Operator's Manuals:** Complete set(s) to include prime unit and attachments.

10.5 **Quantities:** One complete set of service, parts, and operators manuals.

10.6 **Manuals:** To be delivered to, and receipt signed by person(s) as noted on the Purchase Order.

10.7 Line Sheet/Bill of Materials:

10.7.1 It is required at time of delivery that the successful bidder provides a factory build sheet of the delivered unit.

10.7.2 This includes any components installed by the manufacturer or any subcontractor or the successful bidder.

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- 10.7.3 Information will include at a minimum, when available, make, model serial number on items such as engines, transmissions, axles, tires, bodies, etc. The listings will be specific to each piece of equipment and will be provided on a factory build sheet or individual CD for each unit delivered.
- 10.7.4 A minimum of two factory build sheets or (2) CD's per unit are to be provided and marked with the make, model, and last main numbers of the units serial number or State PO number.
- 10.8 **Service Bulletins, Etc.:** The successful bidder must provide appropriate service bulletins, technical support bulletins, service letters, product support bulletins, and/or any other information type notifications that are sent out to the vendor or used by the manufacturer in the maintenance and report of the vehicle, equipment or attachments being provided. The intent of this clause is that the State of Alaska be provided notification of any and all changes or improvement's that may affect the maintenance, reliability, longevity, and safety of our equipment. This information will be provided as soon as possible to person(s) as noted on the Purchase Order.
- 11.0 **STATEMENT OF ORIGIN:** The chassis contractor will be required to furnish a Manufacturer's Statement of Origin for Automotive or Non-Automotive rolling stock for each unit at the time of invoice. All such documents shall be forwarded to:
- DOT&PF, HQ State Equipment Fleet
2200 E. 42nd Avenue Room #318
Anchorage, Alaska 99508
- 12.0 **INSPECTIONS:**
- 12.1 The State's inspection of all materials and equipment upon delivery is for the sole purpose of identification. Such inspection shall not be construed as final or as acceptance of the materials or equipment if materials or equipment do not conform to Contract requirements. If there are any apparent defects in the materials or equipment at the time of delivery, the State will promptly notify the Contractor thereof. Without limiting any other rights of the State, The State at its option, may require the Contractor to:
- 12.1.1 repair or replace at contractor's expense, any or all of the damaged goods,
12.1.2 refund the price of any or all of the damaged goods, or
12.1.3 accept the return of any or all of the damaged goods.
- 12.2 Costs of remedying all defects, indirect and consequential costs of correcting same, and/or removing or replacing any or all of the defective materials or equipment will be charged against the bidder.
- 13.0 **INSPECTION TRIP:**
- 13.1 Prior to arrival of the State of Alaska inspectors, the completed unit is to have been inspected and tested by the manufacturer for compliance to the specifications as listed above. The State reserves the right to appoint an independent inspector, at the State's expense, to periodically monitor the progression of the vehicle during the manufacturing process.
- 13.2 Prior to shipment from the manufacturer's plant, representatives of the State will inspect the completed equipment for conformance to specifications.
- 13.3 The Contractor shall provide full access to the State's inspector(s), or their designee(s), to the plant (s) including the plant(s) subcontractors where manufacture is taking place.
- 13.4 **Inspection Trip:**
- 13.4.1 The vendor will alert the State of Alaska Contracting Officer, whose name is on the purchase order, at least 30 days prior to having the completed unit ready for inspection
13.4.2 The State of Alaska will arrange and pay for all travel related cost.
- 13.5 It shall be the responsibility of the State inspector(s) to technically inspect and test the vehicle for compliance with the specifications.
- 13.6 It shall be the responsibility of the Contracting Authority representative to observe and assist in the inspection and test to assure compliance with the published terms, conditions, and specifications of the bid, and to mediate any disputes, which may arise between the manufacturer and the Department of Transportation's representative(s).

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- 13.7 If it becomes necessary, the State or its representative would conduct a re-inspection of any subsequent work performed by the successful bidder. Should the State decide a re-inspection(s) of the unit is required; the vendor shall be required to pay for round trip air fare, ground transportation and per diem at \$175.00 per day for up to two (2) persons from Anchorage, Alaska. The state will pay for the inspection and will submit an invoice for reimbursement from the vendor.
- 13.8 The pilot model inspection may result in minor modifications which would require negotiation with the Contracting Officer. A change order to the contract must be issued prior to any modifications being accomplished.
- 13.9 **FINAL ACCEPTANCE REMINDER:** Final acceptance is at final destination; however, all major tests will be conducted at the manufacturer's place of business unless the State has reason to believe alterations or damages have taken place which may have changed the performance or design characteristics of the unit since the time of inspection at the manufacturer's location.
- 13.9.1 A final inspection of the unit will be conducted at the final destination in Alaska, to assure that the unit still meets specifications.
- 13.10 These inspections by the State shall be thorough and very critical, and will encompass a complete review of the specifications. Adequate time and technical personnel shall be made available to assist the State in these inspections.
- 13.11 The bidder or responsible representative shall also be in attendance.

14.0 PRICE:

- 14.1 **Price Guarantee:** The Contractor is responsible to maintain prices under the contract firm for 180 days after bid opening. All price increases or decreases must remain firm until the next model year change unless approved by Contracting Officer.
- 14.2 **NO RETROACTIVE PRICE INCREASES WILL BE ACCEPTED.**
- 14.3 Price adjustments, increases or decreases, for each new model year under this contract, may be made by providing the Contracting Officer satisfactory evidence that all of the following conditions exist:
- 14.3.1 The increase is a result of the increased cost at the manufacturer's level and not costs under the contractor's control, and that;
- 14.3.1.1 The increase will not produce a higher profit margin for the contractor than that on the original contract, and that;
- 14.3.1.2 The increase affects only the item(s) that are clearly identified by the contractor.
- 14.3.1.3 Satisfactory forms of the evidence of the above facts may include a certified invoice from the manufacturer, or an affidavit from an independent professional price-tracking firm that is recognized by the industry as reputable and knowledgeable. The contractor must be able to show the difference between the prior year's price and the current difference in the price being requested.
- 14.4 **Price Decreases:** During the period of the contract, the Contractor must pass on to the state all price decreases, such as fleet rebates. A Contractor's failure to adhere strictly and faithfully to this clause will be considered a material breach of contract. The state reserves the right to cancel the contract if the contractor fails to properly perform the duties set out herein.

15.0 MANUFACTURER'S REBATE (INCENTIVES): In any circumstance during or prior to completion of the contract, whereupon the State of Alaska becomes eligible to receive a rebate for any vehicle purchased under this contract, it shall be the BIDDER'S responsibility to inform the Contracting officer in writing and to advise the procedures for obtaining such rebates.

16.0 REPLACEMENT PARTS:

- 16.1 The State of Alaska shall expect the dealer or manufacturer to provide replacement wear parts at their authorized warranty facilities for the entire warranty period on any given unit and/or the entire term of the contract.
- 16.2 Contractor will be required to have parts available in stock at their warranty locations or available within 2

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business days at no additional freight cost to the state. This includes wear parts and commonly used parts for the units being sold under contract.

- 16.2.1 REQUIRED STOCKING LIST FOR TRUCKS: Starter, Alternator, Turbocharger, Compressor, Injectors, Engine Computer, Radiator, Intercooler Hoses, Filters (including cab filters and any special filters required to maintain warranty), Steering Pump and Cylinders, Heater Motor, Wiper Motor, Defrost Fan, Windshield, Brake Valves, S-Cams, S-Cam Bushings, Hydraulic Pump, Repair kit for any fluids or air pumps, Switches, Sensors, and Relays that are proprietary to the manufacturer.
- 16.3 Any part number purchase more than 5 times by SOA within a contract year will be added to the required stocking list. Items may be removed from the list of required stock parts with permission from the SOA Parts Manager.
- 16.3.1 Items to be added or removed from the required stocking list will be provided in writing from the SOA Parts Manager. Requests by the Contractor to remove items from the list of required stock parts shall be addressed to the SOA Parts manager.
- 16.4 Transportation (freight) cost for items on the list of parts required to stock shall be standard surface freight charges. No Air or Priority freight charges will be allowed for items on the required stocking list.
- 16.5 Parts Return: Within 12 months of the invoice date, the State is to be allowed to return new parts with full refund, less actual shipping charges. Returned parts will be in new, resell able condition. Refund will be in the form of a credit/invoice credited to the SOA account with the vendor.
- 16.6 Parts Warranty: All products supplied by the contractor shall be warranted against defects in materials and workmanship for a minimum of 90 days, commencing at the time of installation as long as the installation is within 12 months of purchase. The cost of any defective product and the labor required to replace the defective product shall be the obligation of the contractor.
- 16.6.1 If the manufacturer's warranty exceeds the stated warranty then manufacturer's warranty supersedes.
- 16.7 Invoicing: Full description of item is required on all invoices, packing lists and billings.

SECTION II
STANDARD TERMS AND CONDITIONS

- 1.0 ACCESSORIES:** When accessories are supplied, they must be certified to be compatible with the rest of the equipment. Certification will be written evidence satisfactory to the State that the accessories are compatible. The bidder's failure to supply this evidence within the time required by the State will cause the State to consider the bid non-responsive and reject the bid.
- 2.0 ADDITIONS OR DELETIONS:** The State reserves the right to add or delete items, agencies or locations as determined to be in the best interest of the State. Added items, agencies or locations will be related to those on contract and will not represent a significant increase or decrease in size or scope of the contract. Such additions or deletions will be documented via mutual agreement, will be at prices consistent with the original bid price margins, and will be evidenced by issuance of a written contract change notice from the Contracting officer.
- 3.0 AMENDMENTS:** Contract terms shall not be waived, altered, modified, supplemented or amended without prior written approval of the Contracting officer.
- 4.0 BILLING INSTRUCTIONS:** Invoices must be billed to the ordering agency's address shown on the individual Purchase Order, Contract Award or Delivery Order, not to the Division of General Services. The ordering agency will make payment after it receives the merchandise or service and the invoice. Questions concerning payment must be addressed to the ordering agency.
- 5.0 BRAND AND MODEL OFFERED:** Unless otherwise specified, when brand names and model numbers are used to specify the type and quality of the goods desired, bidders must clearly indicate the brand names and model numbers they intend to provide. The bidder's failure to identify the brand and model offered will cause the State to consider the offer non-responsive and reject the bid.
- 6.0 CERTIFICATION OF COMPLIANCE WITH AMERICAN'S WITH DISABILITIES ACT OF 1990:**
- 6.1 By signature of their bid/proposal the bidder/proposer certifies that they comply with the American's with Disabilities Act of 1990 and the regulations issued there under by the federal government.
- 6.2 Services or activities furnished to the general public on behalf of the State must be fully accessible. This is intended to ensure that agencies are in accordance with 28 CFR Part 35 Section 35.130 and that services, programs or activities furnished to the public through a contract do not subject qualified individuals with a disability to discrimination based on the disability.
- 7.0 CONFLICT OF INTEREST:** An officer or employee of the State of Alaska may not seek to acquire, be a party to, or possess a financial interest in, this contract if (1) the officer or employee is an employee of the administrative unit that supervises the award of this contract; or (2) the officer or employee has the power to take or withhold official action so as to affect the award or execution of the contract.
- 8.0 CONSUMER ELECTRICAL PRODUCT:** AS 45.45.910 requires that "...a person may not sell, offer to sell, or otherwise transfer in the course of the person's business a consumer electrical product that is manufactured after August 14, 1990, unless the product is clearly marked as being listed by an approved third party certification program." Electrical consumer products manufactured before August 14, 1990, must either be clearly marked as being third party certified or be marked with a warning label that complies with AS 45.45.910(e). Even exempted electrical products must be marked with the warning label. By signature on this bid the bidder certifies that the product offered is in compliance with the law. A list of approved third party certifiers, warning labels and additional information is available from: Department of Labor and Workforce Development, Labor Standards & Safety Division, Mechanical Inspection Section, P.O. Box 107020, Anchorage, Alaska 99510-7020, (907)269-4925.
- 9.0 CONTINUING OBLIGATION OF CONTRACTOR:** Notwithstanding the expiration date of a contract resulting from this ITB, the contractor is obligated to fulfill its responsibilities until warranty, guarantee, maintenance and parts availability requirements have completely expired.
- 10.0 CONTRACT ADMINISTRATION:** The administration of this contract, including any/all changes, is the responsibility of the Contracting Officer, HQ State Equipment Fleet.
- 11.0 CONTRACT EXTENSION:** Unless otherwise provided in this ITB, the State and the successful bidder/contractor agree: (1) that any holding over of the contract excluding any exercised renewal options, will be considered as a month-to-month extension, and all other terms and conditions shall remain in full force and effect and (2) to provide written notice to the other party of the intent to cancel such month-to-month extension at least thirty (30) days before the desired date of cancellation.
- 12.0 CONTRACT FUNDING:** Bidders are advised that funds are available for the initial purchase and/or the first term of the contract. Payment and performance obligations for succeeding purchases and/or additional terms of the

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contract are subject to the availability and appropriation of funds.

- 13.0 DEFAULT:** In case of bidder default, the State may procure the goods or services from another source and hold the bidder responsible for any resulting excess costs and may seek other remedies under law or equity. Alaska Statutes and Regulations provide for suspension and disbarment of non-responsible bidders.
- 14.0 DELIVERY:** All deliveries shall be F.O.B. final destination point with all transportation and handling charges paid by bidder. Responsibility and liability for loss or damage shall remain with bidder until final inspection and acceptance when responsibility shall pass to the State except as to latent defects, fraud and bidder's warranty obligations.
- 15.0 DISCONTINUED ITEMS:** In the event an item is discontinued by the manufacturer during the life of the contract, another item may be substituted, provided that the contracting officer makes a written determination that it is equal or better than the discontinued item and provided that it is sold at the same price or less than the discontinued item.
- 16.0 DISPUTES:** Any dispute arising out of this agreement shall be resolved under the laws of Alaska. Any appeal of an administrative order or any original action to enforce any provision of this agreement or to obtain any relief from or remedy in connection with this agreement may be brought only in the superior court for the State of Alaska.
- 17.0 FORCE MAJEURE (Impossibility to perform):** Neither party to this contract shall be held responsible for delay or default caused by acts of God and/or war, which is beyond that party's reasonable control. The State may terminate this contract upon written notice after determining such delay or default will reasonably prevent successful performance of the contract.
- 18.0 HUMAN TRAFFICKING:**
- 18.1 By signature on this contract, the offeror certifies that:
- 18.1.1 the offeror is not established and headquartered or incorporated and headquartered, in a country recognized as Tier 3 in the most recent United States Department of State's Trafficking in Persons Report; or
- 18.2 The most recent United States Department of State's Trafficking in Persons Report can be found at the following website: www.state.gov/q/tip/
- 18.3 Failure to comply with this requirement will cause the state to reject the bid or proposal as non-responsive, or cancel the contract.
- 18.4 This pertains to goods and services above \$50,000.00.
- 19.0 INDEMNIFICATION:** The Contractor shall indemnify, hold harmless, and defend the contracting agency from and against any claim of, or liability for error, omission or negligent act of the Contractor under this agreement. The Contractor shall not be required to indemnify the contracting agency for a claim of, or liability for, the independent negligence of the contracting agency. If there is a claim of, or liability for, the joint negligent error or omission of the Contractor and the independent negligence of the Contracting agency, the indemnification and hold harmless obligation shall be apportioned on a comparative fault basis. "Contractor" and "Contracting agency", as used within this and the following article, include the employees, agents and other contractors who are directly responsible, respectively, to each. The term "independent negligence" is negligence other than in the Contracting agency's selection, administration, monitoring, or controlling of the Contractor and in approving or accepting the Contractor's work.
- 20.0 INSPECTIONS:** Goods furnished under this contract are subject to inspection and test by the State at times and places determined by the State. If the State finds goods furnished to be incomplete or not in compliance with bid specifications, the State may reject the goods and require bidder to either correct them without charge or deliver them at a reduced price, which is equitable under the circumstances. If bidder is unable or refuses to correct such goods within a time deemed reasonable by the State, the State may cancel the order in whole or in part. Nothing in this paragraph shall adversely affect the State's rights as buyer, including all remedies and rights granted by Alaska statutes.
- 21.0 INSURANCE:**
- 21.1 Without limiting Contractor's indemnification, it is agreed that Contractor shall purchase at its own expense and maintain in force at all times during the performance of services under this agreement the following policies of insurance. Where specific limits are shown, it is understood that they shall be the minimum acceptable limits. If the Contractor's policy contains higher limits, the state shall be entitled to coverage to

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the extent of such higher limits. Certificates of Insurance must be furnished to the contracting officer prior to beginning work and must provide for a notice of cancellation, non-renewal, or material change of conditions in accordance with policy provisions. Failure to furnish satisfactory evidence of insurance or lapse of the policy is a material breach of this contract and shall be grounds for termination of the Contractor's services. All insurance policies shall comply with, and be issued by insurers licensed to transact the business of insurance under AS 21.

- 21.2 Proof of insurance is required for the following:
- 21.2.1 Workers' Compensation Insurance: The Contractor shall provide and maintain, for all employees engaged in work under this contract, coverage as required by AS 23.30.045, and; where applicable, any other statutory obligations including but not limited to Federal U.S.L. & H. and Jones Act requirements. The policy must waive subrogation against the State.
 - 21.2.2 Commercial General Liability Insurance: covering all business premises and operations used by the Contractor in the performance of services under this agreement with minimum coverage limits of \$300,000 combined single limit per occurrence.
 - 21.2.3 Commercial Automobile Liability Insurance: covering all vehicles used by the Contractor in the performance of services under this agreement with minimum coverage limits of \$300,000 combined single limit per occurrence.
- 21.3 Failure to supply satisfactory proof of insurance within the time required will cause the State to declare the bidder nonresponsive and to reject the bid.
- 22.0 ITEM UPGRADES:** The State reserves the right to accept upgrades to models on the basic contract when the upgrades improve the way the equipment operates or improve the accuracy of the equipment. Such upgraded items must be at the same price as the items in the basic contract.
- 23.0 NEW EQUIPMENT:** Equipment offered in response to this ITB must be new equipment. New equipment means equipment that is currently in production by the manufacturer and is still the latest model, edition or version generally offered. The equipment must be warranted as new by the manufacturer and may not have been used for any purpose, other than display (not demonstration), prior to its sale to the State. The State will not accept remanufactured, used or reconditioned equipment, including used or reconditioned components or parts of. It is the contractor's responsibility to ensure that each piece of equipment delivered to the State complies with this requirement. A contract's failure to comply with this requirement will cause the State to seek remedies under breach of contract.
- 24.0 ORDER DOCUMENTS:** Except as specifically allowed under this ITB, an ordering agency will not sign any vendor contract. The State is not bound by a vendor contract signed by a person who is not specifically authorized to sign for the State under this ITB. The State of Alaska Purchase Order, Contract Award and Delivery Order are the only order documents that may be used to place orders against the contract(s) resulting from this ITB.
- 25.0 PAYMENT:** Payment for agreements under \$500,000 for the undisputed purchase of goods or services provided to a State agency will be made within 30 days of the receipt of a proper billing or the delivery of the goods or services to the location(s) specified in the agreement, whichever is later. A late payment is subject to 1.5% interest per month on the unpaid balance. Interest will not be paid if there is a dispute or if there is an agreement, which establishes a lower interest rate or precludes the charging of interest.
- 26.0 PROPRIETARY INFORMATION AND STATEMENTS OF CONFIDENTIALITY:**
- 26.1 Except as set forth in this provision, all information in all bids will be made public under AS 36.30.530 not later than the time of issuance of a notice of intent to award.
 - 26.2 If the offeror submits information considered by it to constitute a trade secret or proprietary data, such information may be expressly designated as such, and must be accompanied by the offeror's certification that (1) the information has consistently been maintained by its owner as a trade secret or as proprietary information, (2) the owner of the information has taken due care to protect it from release to non-privileged persons, and (3) to the best knowledge of the offeror, the information has not lost its status as trade secret or proprietary information, whether by lack of diligent protection, release to any non-privileged person or otherwise.
 - 26.3 **Absence of such certification, any claim of confidentiality will be ignored, and the bidder may not hold any reasonable expectation of confidentiality.**

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- 26.4 Any information so certified will be held confidential so long as the contracting officer concurs that it constitutes a trade secret or proprietary data, and deems it not critical to determination of the price, quantity, or delivery terms bid, or the responsiveness of the bid.
- 26.5 By submission of a bid, the offeror consents to the contracting officer's exercise of reasonable judgment as to concurrence with any assertion of confidentiality, and waives any and all claims for release of information that the contracting officer reasonably deems not confidential notwithstanding a certified assertion of confidentiality.
- 26.6 A certified assertion of confidentiality in which the contracting officer concurs, with respect to information the contracting officer deems critical to determination of the price, quantity, or delivery terms bid, or the responsiveness of the bid, will cause the bid to be rejected as a non-responsive bid.
- 27.0 QUANTITIES:** The State reserves the right to reduce or increase the quantity of items ordered under any contract resulting from this Invitation to Bid.
- 28.0 SEVERABILITY:** If any provision of the contract is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and provisions will not be affected; and, the rights and obligations of the parties will be construed and enforced as if the contract did not contain the particular provision held to be invalid.
- 29.0 SHIPPING DAMAGE:** The State will not accept or pay for damaged goods. The contractor must file all claims against the carrier(s) for damages incurred to items in transit from the point of origin to the ultimate destination. The State will provide the contractor with written notice when damaged goods are received..
- 30.0 STANDARD AND SPECIAL TERMS AND CONDITIONS:** The terms and conditions of this section are standard to State of Alaska, Department of Transportation and Public Facilities, Statewide Equipment Fleet contracts for the purchase of goods. There may also be other special terms and conditions in an Invitation to Bid or Request for Proposal which apply only to this contract. In the event of a conflict between the standard and special terms and conditions, the Special Terms and Conditions take precedence.
- 31.0 SUCCESSORS IN INTEREST:** This contract shall be binding upon successors and assigns.
- 32.0 SUITABLE MATERIALS:** All materials, supplies or equipment offered by a bidder shall be new, unused, of recent manufacture, and suitable for the manufacturer's intended purpose unless the specifications allow for used, rebuilt or remanufactured equipment.
- 33.0 TAXES:** Prices quoted in bids must be exclusive of federal, state, and local taxes. If the bidder believes that certain taxes are payable by the State, the bidder may list such taxes separately, directly below the bid price for the affected item. The State is exempt from Federal Excise Tax because articles purchased are for the exclusive use of the State of Alaska.
- 34.0 WARRANTY:** Unless otherwise stated, all equipment shall be new and current model and shall carry full factory warranties. Bidder warrants all goods delivered to be free from defects in labor, material and manufacture and to be in compliance with bid specifications. All implied or expressed warranty provisions of the Uniform Commercial Code apply. All warranties shall be for and benefit the State.

SPECIFICATION #217-Plow Truck
6x4 Truck Cab & Chassis
Minimum 68,000 GVWR

February 2013

GENERAL SPECIFICATION:

It is the purpose of this specification to describe a new, and of the manufacturer's latest current production model and design, diesel powered, 6x4, minimum 68,000 GVWR, minimum 108,000 GCVWR, truck cab and chassis. These trucks will be up-fitted with various attachments to include: rear-mounted snow wings attached on the right side; front snow plow, underbody scraper blade, as well as 8 cubic yard dump bodies, and slide in sanders. Mounting of the scraper blade requires a 24" ground clearance area under the frame back of cab and 18" ground clearance under cab. Locations of the components and exhaust system shall accommodate these installations.

APPLICATION:

Primary application is for highway and airport snow removal and sanding at average road speeds of 35 to 40 MPH. Unit will experience high impact and shock loading. In summer months, the unit will be used as a dump truck with speeds up to 65 MPH. Unit will be subject to varying terrain and weather conditions. These units are to operate between -50 to +90 °F.

Chassis Supplier and Up-Fitter:

The State will require the chassis supplier and the selected up-fitter to maintain a direct working relationship and maintain open lines of communication to ensure that all requirements of both suppliers to deliver a completed turn-key unit that ensures all specifications are met

Component Selection:

The components selected shall be new and rated for the maximum loading they would be subjected to in severe service. The torque rating of a driven component shall exceed the input torque. The component parts and structure of the unit shall be sized and designed to safely withstand the maximum load imposed, without failure or induction of deterioration. All units shall be constructed from current production components.

Standard Components:

All components and accessories cataloged as standard, unless superseded by these specifications, shall be provided with the unit.

The unit provided is required to meet all current federal and state regulations such as, but not limited to, EPA emissions, FMVSS, and CFR.

Necessary Components:

Contractors shall provide any components, hardware, or part necessary for proper assembly, installation, and operation even though that item(s) is not specifically described in the bid specifications. This includes all fittings, couplers, brackets, adapters, etc. Price shall include the cost of such components, hardware, and parts in the bid price.

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Specifications	(*)	Yes	No	Clarification/Deviation
1) Performance:				
a) Truck to perform at optimal performance range for plowing snow at 15 to 40 mph, loaded with 12 cubic yards of sand, front plow, underbody scraper blade, and side wing blade all in the down and plowing mode.				
b) Engine transmission and differential gearing are to be engineered and configured to utilize the engines torque range to work most effective with engines horsepower RPM range.				
2) Engine – Wet sleeved, liquid cooled - diesel				
a) Engine shall meet on-highway EPA emissions certifications for current model year of engine being offered.		x		
b) Engine offered must be compatible with the transmission requested in this ITB specification.		x		
c) Minimum displacement 12.4 liters.	(*)	x		12.8 liters
d) Minimum 450 hp. SAE gross horsepower.	(*)	x		455 HP
e) Minimum SAE peak torque 1650 lb. ft.	(*)	x		1650 Peak Torque
f) Governed speed to be optimized for best performance	(*)	x		Selected gear dependent
g) Spin on or drop in cartridge type oil filter.		x		
h) Fan clutch automatic on/off.		x		
i) Engine compression brake with dash mounted on/off and 3 position switch		x		
j) Air cleaner - dry filter type.		x		
k) Air cleaner restriction gauge or indicator is required.		x		
l) Equipped with manual two-way "Hot/Cold" air pickup, to draw air from outside or under hood (hose disconnect or plug insert is not acceptable).		x		
m) Automatic engine shut down system. Preprogrammed with 10 minute idle shut down.		x		10 minute idle shut down
n) Front engine crankshaft PTO provision.		x		FEPTO
o) Crankshaft PTO adapter, installed by the truck manufacturer to accept <i>SPICER</i> Series 1310 universal.		x		Spicer 1350 Series
3) Exhaust System:				
a) SCR System to be relocated to passenger side of cab moved up and forward for clear back of cab		x		Will be included in base truck
b) Vertical exhaust system with turn out or rain cap.		X		
c) Heat guard shield to cover from bottom of cab to top of door.		X		
d) Heavy duty muffler. (if required by system)		x		
4) Cooling System:				
a) Cooling system to contain extended life coolant set to a minimum -45° Fahrenheit.		x		-45 degree Fahrenheit
b) To include easily viewable coolant level.		X		
c) To include spin-on type coolant filter, with shut-off valves if required to prevent excessive loss of coolant when servicing filter.		X		Spin on coolant filter no valve required
d) Drain petcock(s) to be provided for the low point(s) of cooling system and engine block for maximum drainage while unit is on level ground.		X		

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SPECIFICATIONS

Specifications	(*)	Yes	No	Clarification/Deviation
e) Front of radiator to be properly guarded against rocks by including a grill or grill screen cloth full length of the radiator.		X		Radiator Screen
5) Fuel System:				
a) 12 volt heated water fuel separation system.	(*)	X		Racor fuel/water heater separator
b) Spin on type fuel filter.		X		
c) Fuel tank- 116 gal. Single tank driver's side mounted minimum	(*)	x		OEM116 useable gallon "D" shaped steel tank
6) Transmission:				
a) 6 speed Allison automatic 4500 RDS-P model.		x		
b) Allison approved synthetic transmission oil.		X		
c) Transmission oil cooler.		X		
d) No compression brake pre-select.		X		
e) To include Allison ISCAAN.		X		
f) Automatic neutral with the application of the emergency brake.		X		
g) I/P or dash mounted low oil sensor.		X		
h) To include a fixed shift schedule in secondary mode.		X		Automatic fixed shift schedule for plow engaged by a proximity switch when a plow is lowered
i) Transmission ECU to be mounted in cab. If dealer located, location must be pre-approved.		X		
j) Transmission range selection and gear ratio shall be optimized to maintain peak torque and horsepower from engine while plowing snow at 15-40 mph.		X		20-30 mph in 3 rd . 30-40 mph in 4th
7) Drive Lines:				
a) Drive line yokes to be ½-round on all drive shafts and all inter-axle shafts.		X		
8) Chassis and Frame:				
a) Frame to be double rail design.		X		
b) Frame rails to be heat treated alloy steel.		X		
c) RBM to be a minimum of 3,500,000 inch pounds on the entire frame.	(*)	x		3,580,000 rbm
d) Frame cross members to be positioned for maximum strength at mid-section of truck.		X		Optional order cross member available
e) Frame to be completely primed and painted to inhibit rust.		X		
f) GVWR: 68,000 pounds minimum.	(*)	x		68,800 GVWR
g) Wheelbase – Approximately 195" to 214".	(*)	x		212" Wheel base
h) AF Approximately of 70" AF.	(*)	x		62" or 82" AF
i) CA (Cab to Axle) to be approximately 125 inches.	(*)	x		125" CA/CT
j) Approximately 18" to 24" Integral front frame extension.		x		20" Front Frame Extension
9) Rear Tandem Axles and Suspension:				
a) 46,000 pound capacity tandem axles, Hendrickson Haulmaax® model HMX400 with shock absorbers.		x		Mack S462 w/ HMX460
b) Rear axles to be heavy duty Vocational style.		X		99" width with tires
c) 54 inch axle spacing minimum.(must be able to fit chains).	(*)	x		54" axle spacing
d) 2nd differential (single) to have wheel to wheel locking driver		X		2nd differential lock

SECTION III
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Specifications	(*)	Yes	No	Clarification/Deviation
operated switch with dash mounted warning light.				(standard)
e) Inter axle differential lockout with driver operated switch with dash mounted warning light.		X		
f) Synthetic gear lube.		X		
g) g) Gear ratio in differentials to be calculated with transmission and tire size offered for operating trucks maximum operating speed of 50-55 mph (other ratios configurations may be requested of winning bidder upon order				
10) Front Axle and Suspension:				
a) Suspension-Parabolic, Taper Leaf 22,000 lb. capacity with shock absorbers, continuous severe duty without timbren or rubber blocks to achieve the required capacity.				Mack taper leaf 23,000 lb capacity front axle
b) Front I-beam type, 22,000 lb. minimum continuous severe duty.	(*)			Mack FXL23 23,000 lb.
c) Oil seals or lubed for life permanently sealed front wheel bearings in front hubs.				
d) Turning radius curb to curb to be maximum 97 feet.	(*)			80.2 curb turning
11) Steering System:				
a) To be power steering.				
b) To be hydraulic dual steering gears, rated at front axle's GAWR minimum. Sheppard vocational series or approved equivalent.	(*)			Sheppard SD110+HD94
12) Brake System:				
a) ABS brake system.				
b) Braking distance shall conform to FMVSS 121.				
c) Air compressor to be not less than 15.5 CFM.	(*)			18.7 cfm compressor
d) Auxiliary air brake filler source to be via shreader valve.				Shreader valve on air governor
e) Brake system heated desiccant type dryer, extended purge with spin on cartridge.	(*)			Wabco htd. 1200 w/filter
f) Air operated parking brake.				
g) Four wheel trailer-tractor package with cab operated hand control valve. Complete to end of frame, including glad hands with dummy couplings. (up-fitter will be adding a butt plate and pintel hitch system at the end of frame).				
h) Heavy duty steel splash/dust shields on all axles.				
13) Brake Slack Adjusters:				
a) To be automatic and handed (if required to prevent interference with tire chains).				
b) Sealed against dirt and corrosive materials.				
c) Lube fittings for positive lubrication of moving parts.				
d) Capability for in-field service.				
14) Air Reservoir Tanks:				
a) Air tanks to be equipped with manual drain petcock (s) or drain actuators				Air tanks with pull lanyard
15) Wheels & Tires:				
a) All wheels and tires to be rated for the axles maximum weight rating.				Frt-22,800, Rear- 48,040
b) Steel or aluminum disc wheel, hub piloted. Steel wheels to be				White painted 22.5" steel

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Specifications	(*)	Yes	No	Clarification/Deviation
painted white or black.				wheels, hub piloted
c) Front Tires Tubeless steel belted radial 20 ply standard highway tread.	(*)			425/65R22.5 Bridgestone M843
d) Rear tires – Tubeless steel belted radial 16 ply minimum OEM traction tread design.	(*)			11R22.5 Bridgestone L320
e) Duals to be spaced for use with triple rail chains and shall provide sufficient clearance between the inner sidewalls of the dual tires, springs, clamps, hangers, or other obstructions that may interfere with chains when installed				54" axle spacing
16) Body – Conventional severe service cab design with high visibility style hood:				
a) Air Ride suspension cab				
b) Cab interior width to be a minimum of 70 inches measured door panel to door panel.	(*)			72" door to door cab width
c) Tilt hood, capable of staying open when tilted 45° or more, must clear a standard plow hitch without having to tilt the plow hitch.				
d) Wheel wells to be skirted/guarded from engine compartment.				
e) Under hood insulation for sound abatement.				
f) Stationary free standing grill.				
g) No Front bumper required due to plow installation				Front Bumper Included
h) Steps and external grab handles for entry into cab to include grab handle on drivers inside door panel.				
i) Passenger door visibility window at the bottom of the door.				
j) If a doghouse style engine cover is used inside cab, it must be easily removed to access engine without removing seats or dash.				
k) Maximum cab noise level of 80 db.	(*)			76 db
l) Cab rear window.				
m) Paint – Body to be OEM White, polyurethane.				
n) Top surface of hood to be painted non reflective flat black.				
o) Layout of all controls, gauges and instrumentation to be ergonomically designed for operator.				
p) All gauges, labeled switches, or displayed operators instructions are to be in English.				
q) OEM Hi-Output fresh air type, hot water heater/defroster multi speed fan system	(*)			35,800 BTU
r) OEM Air Conditioning				
s) Air Horn – under hood mounted or if roof mounted it must include snow shields/cover (s).				Roof mounted with snow shield
t) Seating- Driver seat, mid height back, vinyl/cloth upholstery, non-air suspension, with seat belt, shoulder strap, and a minimum of an inboard side arm rest.				Bostrom 915 mid back vinyl air ride (std)
u) Passenger Seat-Mid height back, vinyl/cloth upholstery, non-air suspension, with seat belt, shoulder strap, and a minimum of an inboard side arm rest.				Mack fixed mid back non-air ride (std)
v) Overhead Console with radio pocket				
w) Dual sun visors.				

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Specifications	(*)	Yes	No	Clarification/Deviation
x) Cup holders to be easily accessible to driver and passenger.				
y) Standard OEM side mirrors, non-power, two (one each side) Passenger side mirror to have an additional 8" convex mirror mounted bottom of mirror.				
z) Steering wheel with tilt and telescopic features.				
aa) Arctic insulation package or maximum insulation in floor and roof.				
bb) Power Windows, door locks				Optional Order Item
cc) Manually operated windows, drivers and passenger sides.				Standard
dd) Black rubber floor covering.				
ee) Cab head liner.				
ff) Dome light.				
gg) Book/manual pocket storage located on door panel or back cab wall.	(*)			Rear cab wall storage pouch
17) Electrical – 12 Volt Negative Ground System:				
a) All wiring, connections, junction boxes, shall be sealed per industry standards to prevent corrosion. All wiring to be secured and routed through chassis to prevent rubbing or chaffing.				
b) All electrical control switches to be direct current rated.				
c) To include any and all optional RF (Radio Frequency) shielded wiring harnesses available, including engine and transmission.				
d) Batteries, minimum of two 12 volt batteries	(*)			3 – 1000 CCA batteries
e) Batteries to be US DOT and IATA certified non spillable.				
f) Alternator 160 amp minimum.	(*)			Delco 160 amp
g) Battery box location cannot interfere with dump body or belly blade installation, and must provide battery protection from ice, snow, and mud build up. (prefer outside frame rail mounting location).	(*)			
h) Dash or steering wheel mounted speed control, electronic cruise control type (to allow for engine warm up and PTO requirements to a minimum of 1400 RPM.				Dash mounted warm up and PTO
i) Hour meter, solid state, engine controller activated inside cab mounted location. Would prefer a 5 digit display				
j) AM/FM CD stereo system w/ speaker system.				
k) 12 volt power outlets				
l) Heavy duty windshield wipers, two speed including intermittent with washers.				
m) Fluid washer tank to be largest OEM fluid capacity available.				
n) All gauges that display pressures, temperatures, etc. are to be in USA measurements such as PSI, Fahrenheit, etc.				
o) Engine RPM tachometer.				
p) Gauges - volt, oil, coolant, temperature, fuel, transmission temperature, and air pressure.				
q) All dials, gauges, switches, controls, and IDs to be properly back lighted for day or night operation.				
r) Headlights to be halogen.				

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Specifications	(*)	Yes	No	Clarification/Deviation
s) All standard electrical and lighting to meet ICC regulations.				
t) Body builder junction box and connector kit for body builder or sealed connector at the end of frame include clearance lights, tail lights, turn signals, backup lights and stop lights.				
u) Body builder junction box on back of cab right rear frame rail 7 wire sealed connector for sander.				
v) Headlamp circuit pre-wired for the attachment of plow lights. 1) Instrument panel switches to alternate between OEM and plow headlamps. 2) Plow lamp wiring to extend to hood hinge area. 3) High beam indicator shall function in either mode.				
w) Vehicle speed sensor circuit with a pulse rate of 50,000 PPM wired into cab for ground speed oriented equipment installation.				
x) Instrument panel switch package. 2 banks of 5 switches 1) Power to be supplied via relay controlled by ignition switch. 2) Switch panel to be protected by minimum 60 amp main circuit breaker. (Up-fitter will install individual circuit breakers for switches). 3) Switches to be configured to control these TBD functions: a) (on/off 6A) b) (on/off 4A) c) (on/off 10A) d) (on/off 10A) e) (on/off 10A) 4) All switches, functions & names shall be illuminated and labeled (Dymo type adhesive labels are not acceptable), name of switches may be subject to change (Labeling will be done by up-fitter).				Configuration and placement TBD
y) Back up alarm, electronic, self-adjusting sound level, located per manufactures recommendations, but located where it won't interfere with body up-fitting.				
18) WARRANTY: (State minimum of 12 months 100% parts and labor)				
a) Frame Warranty:				36 month/300,000 miles
b) Cab Warranty:				24 months/200,000 miles
c) Suspension Warranty:				12 months/100,000 miles
d) Engine Warranty:				24 months/250,000 miles
e) Allison Transmission Warranty:				36 months
f) Other Warranty Not Listed.				DPF system 24 months
g) Other Warranty Not Listed:				Emissions 60 month/100,000 miles
19) PUBLICATIONS:				
a) As per Section I –Special Terms and Conditions.				CD Standard Item, Paper is optional price
20) UP-GRADE OR OPTIONAL ORDER ITEMS:				
a) Cold climate start package to be wired through the ignition switch. OEM electronic ether system, electric grid system, or	(*)			Electric pre-heat grid system

SECTION III
SPECIFICATIONS

Specifications	(*)	Yes	No	Clarification/Deviation
glow plug system will be acceptable.				
b) 46,000 lb. Primaxx EX premium severe duty rear air suspension (to be ordered only if a muni body is being ordered).				Mack AL-461 rear air suspension
c) Engine block heater immersion type 110 volt 1500 watt minimum. Plug in to be easily accessible.	(*)			120v 1500 watt immersion block heater
d) Hands free Bluetooth system.				Hands free Bluetooth
e) Spare tire and wheel front (matched to tires on chassis).				
f) Spare tire and wheel rear (matched to tires on chassis).				
g) Nylon wheel guards or equivalent between all dual wheels and on all hubs.				
h) Master disconnect switch, located in cab, floor mounted, between driver's door and rear of seat.	(*)			Flaming River Brand
i) Power windows, door locks				
j) Heated front windshield with separate on/off switch control.				
k) 1 st or front differential to have wheel to wheel locking driver operated switch with dash mounted warning light.				
l) Seating- Driver seat, vinyl/cloth or cloth upholstery, air ride suspension, high back or head restraint. Seat belt retractor. Three point shoulder harness, 6 way power adjustable with lumbar support.				
m) OEM Electric Side mirrors, two (one each side) adjustable approximately 16"x 6" each. Electrically defrosted, power adjustable, driver controlled. Passenger side mirror to have an additional 8" convex mirror mounted bottom of mirror.				
z) Front fender mounted electrically heated mirrors on each side. Approximately 9" adjustable convex heated mirrors. Separate switch for heated mirrors with no time out feature.				
aa)				
bb) Remote battery jump terminals in easily accessible location in close proximity to battery box.				Emergency start studs on battery box
cc) OEM Front bumper.				
dd) Custom fitted heavy duty winter front cover mounted to grill.				
21) DIAGNOSTICS:				
a) Diagnostics Software (Order on separate purchase order)				
b) Diagnostics Cables (Order on separate purchase order)				

SECTION IV
 BID PRICE SCHEDULE

Mack Granite Standard Chassis Cost with Options Price List

<u>Description:</u>	<u>Make and Model</u>	<u>PRICE</u>
STANDARD BASE MODEL		
Mack Granite GU713 6x4 68,000 GVW Chassis 23,000 lb. capacity Mack taper leaf front axle, 46,000 capacity Mack S462 axles with Hendrickson HMX460 rear suspension, includes SCR relocation under cab	PLOW TRUCK CHASSIS	\$ 105692.00
Exterior Paint: White with top of hood painted non-reflective flat black		Standard
Interior Trim Level: Purebred, Interior Color: Slate Gray Vinyl Seats		Standard
116 Useable Gallon Left Hand Mount "D" shaped Steel Fuel Tank		Standard
Wheel base 212", Cab to Axle 125", Front Frame Extension for PTO 20", Rear Axle Spacing 54",		Standard
12.8 Liter 455 Horse Power Engine 1650 lbs. peak torque	Mack MP8	Standard
Mack Power Leash Engine Brake		Standard
Front Engine PTO with 1350 Series Flange Adapter		Standard
Rear Differential Gear Ratio – 5.04 (subject to change)		Standard
Allison 4500 RPS 6 speed Transmission		Standard
Delco 160 Amp Alternator	Delco	Standard
Air Ride Mid Back Height Vinyl Driver's Seat Bostrom Talladega 915		Standard
Non Suspension Mid Height Vinyl Passenger Seat		Standard
Air Ride Suspension Cab		Standard
AM/FM CD Stereo		Standard
Overhead Console		Standard
(2) banks of 5 location up-fitter switch panels		Standard
12V Power Outlets		Standard
OEM Air Conditioning		Standard
ABS Brake System with 18.7 cfm air system compressor		Standard
Locking Differential Rear Axle With Operator Activated Dash Switch	Merito/Wabco 318	Standard
Publications in CD Form (Paper Publications Optional Order)		Standard

SECTION IV
BID PRICE SCHEDULE

OPTIONAL ORDER ITEMS OR UP-GRADES		
46,000 LB. Primax EX premium severe duty rear air ride suspension in lieu of std. rear suspension (Optional suspension for use with Muni-Body or 5th wheel package)		\$ (1,288.00)
18 Speed Mack Transmission in lieu of Allison Automatic (option available only if ordering 5th wheel chassis)		\$ (2,695.00)
58,000 lb. Rear Axle Upgrade, price includes required up-grade to 24.5 steel wheels and 12R24.5 Tires, and camelback suspension		10,890.00
37.4 CFM Air Compressor in lieu of 18.7 CFM Compressor		\$ 1,419.00
Remote Battery Jump Terminals located on battery box cover		\$ 90.00
Battery Master Disconnect Switch (installed driver's side floor beside seat)		\$ 456.00
165 Amp Alternator		\$ 322.00
Corrosion Resistance Oil Pan		\$ 479.00
Oil Pan Immersion Type Heater		\$ 248.00
Engine Block Heater		\$ 52.00
Cold Climate Start Package		\$ 53.00
Custom Fit Heavy Duty Winter Front Grill Cover		\$ 464.00
Additional Frame Cross Member Installed at Wing Mount Position (May not need)		\$ 719.00
60" Axle Spacing in lieu of 54"		\$ 899.00
Longer Wheel Base 213" to 224"		\$ 435.00
Traction Control System		\$ 529.00
Rear Axle Oil Temperature Gauge		\$ 199.00
Locking Differential First Rear Axle With Operator Activated Dash Switch		\$ 390.00
Self-Cancelling Turn Signals		\$ 119.00
Hands Free Bluetooth System		\$ 161.00
Ambient Floor Light (illuminates cab floor area in red light for night time use)		\$ 189.00
Auxiliary Cab Fan, Header Mounted		\$ 121.00
Power Windows and Door Locks		\$ 261.00
Keyless Remote Entry System (must order power windows w/ power door locks)		\$ 240.00
Heated Front Windshield		\$ 273.00
6 Way Power Adjustable Air Suspension Premium High Back Driver's Seat (in lieu of mid back vinyl air suspension seat)		\$ 360.00
Mid Height Vinyl Air Ride Passenger Seat		\$ 400.00

**SECTION IV
 BID PRICE SCHEDULE**

Power Adjustable Heated Side View Mirrors	\$	380.00
Front Fender Mounted Electric Heated Mirrors	\$	198.00
Front Spare Tire and Wheel (Matched to tires on chassis)	\$	1,212.00
Rear Spare Tire and Wheel (Matched to tires on chassis)	\$	774.00
Nylon Wheel Guards (installed behind and between all wheels)	\$	36.00
Paper Publications (1) One Set (Parts and Service)	\$	1600.00
Diagnostics Cables (Order on a separate purchase order)	\$	-
Diagnostics Software (Order on a separate purchase order)	\$	550.00

F.O.B. point will be direct from the chassis manufacture to an Up-fitting contractor of State of Alaska choice or bare chassis to Anchorage AK.

Required Delivery time to Up-fitter: Maximum 180 days after receipt of order (ARO) Early delivery is desired and acceptable

Publications: One (1) set, per Section I, paragraph 9.0.