

**CONTRACT  
AWARD****STATE OF ALASKA**  
HQ, STATE EQUIPMENT FLEET (Contracting Authority)  
2200 E. 42nd Avenue  
Anchorage, Alaska 99508**CONTRACT AWARD NUMBER****CA1793-13****ORDERING DEPARTMENT:**  
HEADQUARTERS, STATE EQUIPMENT FLEET  
2200 E. 42ND AVENUE  
ANCHORAGE, ALASKA 99508  
(907) 269-0793 PHONE / (907) 269-0801 FAX**CONTRACTOR:** CASCADIA INTERNATIONAL LLC**ADDRESS:** 1301 POST ROAD  
ANCHORAGE, ALASKA 99501**CONTACT NAME:** MIKE LASH**PHONE NUMBER:** 907-279-9591**E-MAIL:** MLASH@CASCADIANT.COM**DATE OF CONTRACT:** FEBRUARY 22, 2013  
**DATE INITIAL CONTRACT BEGINS:** FEBRUARY 22, 2013  
**DATE INITIAL CONTRACT ENDS:** FEBRUARY 22, 2014  
**NUMBER & PERIOD OF RENEWALS:** TWO (1) YEAR EXTENSIONS  
**RENEWALS EXPIRE (MO/YR):** FEBRUARY 22, 2016  
**ISSUED IN ACCORDANCE WITH BID # SEF-** 1793 **DATED:** DECEMBER 6, 2012  
**ESTIMATED VALUE OF INITIAL TERM:** \$800,000.00**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 TWO (1) YEAR EXTENSIONS  
TO PROVIDE: 2014 INTERNATIONAL DURASTAR 4300M7 SBA 4X2  
37,000 GVW CAB AND CHASSIS****CONTRACTING OFFICER  
DUANE FELTON  
(907)-269-0788****TABLE OF CONTENTS****ATTACHMENT 1 - CONTRACT FORM  
APPENDIX A - GENERAL CONDITIONS  
APPENDIX B - LIABILITY AND INSURANCE  
APPENDIX C - STANDARD TERMS AND CONDITIONS  
APPENDIX D - DELIVERABLES/SPECIFICATIONS  
APPENDIX E - WARRANTY AND PRICE SCHEDULE****CONTRACTING AUTHORITY NAME & TITLE**  
DUANE FELTON, CONTRACTING OFFICER II**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.

**ATTACHMENT 1**  
**STANDARD CONTRACT FORM**  
**Goods and Non-Professional Services**

1. Agency Contract Number CA1793-13	2. Contract Title 37,000 LB. CAB AND CHASSIS	3. Financial Coding PURCHASE ORDER	4. Agency Assigned Encumbrance Number BY PURCHASE ORDER	
5. Vendor Number A8556	6. Vendor Proposal Number 3840-01		7. Alaska Business License Number 905808	
<b>This contract is between the State of Alaska,</b>				
8. Department of TRANSPORTATION		Division STATE EQUIPMENT FLEET HQ	hereafter the State	
9. Contractor CASCADIA INTERNATIONAL LLC				hereafter the Contractor
Mailing Address 1301	Street or P.O. Box POST ROAD	City ANCHORAGE	State AK	ZIP 99501

10.

**ARTICLE 1. Appendices:** Appendices referred to in this contract and attached to it are considered part of it.

**ARTICLE 2. Performance of Contract:**

2.1 Appendix A<sup>1</sup> (General Conditions), Items 1 through 17, govern contract performance.  
2.2 Appendix B sets forth the liability and insurance provisions of this contract.  
2.2 Appendix C sets forth the Standard Terms and Conditions of this contract.  
2.3 Appendix D sets forth the deliverables to be provided by the contractor.  
2.4 Appendix E sets forth the warranty and prices of this contract.

**ARTICLE 3. Period of Performance:** The period of performance for this contract begins FEBRUARY 22, 2013 – FEBRUARY 22, 2014, and EXTENSIONS end FEBRUARY 22, 2016.

**ARTICLE 4. Considerations:**

4.1 In full consideration of the contractor's performance under this contract, the State shall pay the contractor the sum of purchase order issued in accordance with the provisions of Appendix C.  
4.2 When billing the State, the contractor shall refer to the Agency Purchase Order Number and send the billing to:

11. Department of Transportation	Attention: Division of State Equipment Fleet
Mailing Address 2200 E. 42 <sup>nd</sup> Avenue Anchorage, AK 99508	Attention: Purchasing Officer Listed on Purchase Order

<b>12</b>	<b>CONTRACTOR</b>	<b>13</b>	<b>CONTRACTING AGENCY</b>
Name of Firm Cascadia International LLC	Signature of Authorized Representative	Department/Division Transportation State Equipment Fleet	Signature of Procurement Officer
Typed or Printed Name of Authorized Representative Mike Lash – General Manager Alaska	Date 2/22/2013	Typed or Printed Name of Contracting Officer Duane Felton – Contracting Officer II	Date 2/22/2013

## APPENDIX A<sup>1</sup>

### GENERAL CONDITIONS

#### **1. Inspections and Reports:**

The department may inspect, in the manner and at reasonable times it considers appropriate, all of the contractor's facilities and activities under this contract. The contractor shall make progress and other reports in the manner and at the times the department reasonably requires.

#### **2. Suitable Materials, Etc.:**

Unless otherwise specified, all materials, supplies or equipment offered by the contractor shall be new, unused, and of the latest edition, version, model or crop and of recent manufacture.

#### **3. 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.

#### **4. Default:**

In case of default by the contractor, for any reason whatsoever, the State of Alaska may procure the goods or services from another source and hold the contractor responsible for any resulting excess cost and may seek other remedies under law or equity.

#### **5. No Assignment or Delegation:**

The contractor may not assign or delegate this contract, or any part of it, or any right to any of the money to be paid under it, except with the written consent of the Procurement Officer.

#### **6. No Additional Work or Material:**

No claim for additional supplies or services, not specifically provided in this contract, performed or furnished by the contractor, will be allowed, nor may the contractor do any work or furnish any material not covered by the contract unless the work or material is ordered in writing by the Procurement Officer.

#### **7. Independent Contractor:**

The contractor and any agents and employees of the contractor act in an independent capacity and are not officers or employees or agents of the State in the performance of this contract.

#### **8. Payment of Taxes:**

As a condition of performance of this contract, the contractor shall pay all federal, State, and local taxes incurred by the contractor and shall require their payment by any subcontractor or any other persons in the performance of this contract. Satisfactory performance of this paragraph is a condition precedent to payment by the State under this contract.

#### **9. Compliance:**

In the performance of this contract, the contractor must comply with all applicable federal, state, and borough regulations, codes, and laws, and be liable for all required insurance, license, permits and bonds.

#### **10. Conflicting Provisions:**

Unless specifically amended and approved by the Department of Law the General Conditions of this contract supersede any provisions in other appendices. The contractor specifically acknowledges and agrees that provisions in any form contracts it appends hereto that purport to (1) waive the State of Alaska's sovereign immunity, (2) impose indemnification obligations on the State of Alaska that are not conditioned on legislative appropriation, or (3) seek to limit liability of the contractor for acts of contractor negligence, are expressly superseded by this contract and are void.

#### **11. Officials Not to Benefit:**

Contractor must comply with all applicable federal or State laws regulating ethical conduct of public officers and employees.

#### **12. Contract Prices:**

Contract prices for commodities must be in U.S. funds and include applicable federal duty, brokerage fees, packaging, and transportation cost to the FOB point so that upon transfer of title the commodity can be utilized without further cost. Prices for services must be in U.S. funds and include applicable federal duty, brokerage fee, packaging, and transportation cost so that the services can be provided without further cost.

**ATTACHMENT 1 (CONTINUED)**

**13. Contract Funding:**

Contractors 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 contract are subject to the availability and appropriation of funds.

**14. Force Majeure:**

(Impossibility to perform) The contractor is not liable for the consequences of any failure to perform, or default in performing, any of its obligations under this Agreement, if that failure or default is caused by any unforeseeable Force Majeure, beyond the control of, and without the fault or negligence of, the contractor. For the purposes of this Agreement, Force Majeure will mean war (whether declared or not); revolution; invasion; insurrection; riot; civil commotion; sabotage; military or usurped power; lightning; explosion; fire; storm; drought; flood; earthquake; epidemic; quarantine; strikes; acts or restraints of governmental authorities affecting the project or directly or indirectly prohibiting or restricting the furnishing or use of materials or labor required; inability to secure materials, machinery, equipment or labor because of priority, allocation or other regulations of any governmental authorities.

**15. Contract Extension:**

Unless otherwise provided, the State and the 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.

**16. 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.

**17. Continuing Obligation of Contractor:**

Notwithstanding the expiration date of this contract, the contractor is obligated to fulfill its responsibilities until warranty, guarantee, maintenance and parts availability requirements have completely expired.

**APPENDIX B<sup>1</sup>  
INDEMNITY AND INSURANCE**

**Article 1. 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.

**Article 2. Insurance**

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 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, nonrenewal, 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.

**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.

**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.

**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.

**APPENDIX C  
STANDARD CONTRACT INFORMATION**

**3.01 Contract Type**

This contract is a firm fix priced contract for each 365 day period, there will be opportunity for manufactures price increase with proper documentation before any renewals are done.

Contract period to be a one (1) year contract with two (2) optional one (1) year contract extensions.

**3.02 Contract Approval**

The state will not be responsible for any work done by the contractor, even work done in good faith, if it occurs prior to the issuance of a signed purchase order.

**3.03 Standard Contract Provisions**

The contractor will be required to sign and submit the attached State's Standard Agreement Form for Professional Services Contracts (form 02-093/Appendix A). The contractor must comply with the contract provisions set out in this attachment. No alteration of these provisions will be permitted without prior written approval from the Department of Law. Objections to any of the provisions in Appendix A must be set out in the offeror's proposal.

**3.04 Intentionally Left Blank**

**3.05 Intentionally Left Blank**

**3.06 Insurance Requirements**

The successful offeror must provide proof of workers' compensation insurance prior to contract approval.

The successful offeror must secure the insurance coverage required by the state. The coverage must be satisfactory to the Department of Administration Division of Risk Management. An offeror's failure to provide evidence of such insurance coverage is a material breach and grounds for withdrawal of the award or termination of the contract.

Offerors must review form APPENDIX B1 attached, for details on required coverage. No alteration of these requirements will be permitted without prior written approval from the Department of Administration, Division of Risk Management. Objections to any of the requirements in APPENDIX B1 must be set out in the offeror's proposal.

**3.07 Contract Funding**

Payment for the contract is subject to funds already appropriated and identified with each purchase order issued.

**3.08 Contract Payment**

The state will make a single payment within 30 days when each of the deliverables is received and is accepted as complete and meeting specifications, if there are deficiencies on the unit, they must be corrected before any payment is made and approved by the contracting officer.

Under no conditions will the state be liable for the payment of any interest charges associated with the cost of the contract.

The state is not responsible for and will not pay local, state, or federal taxes. All costs associated with the contract must be stated in U.S. currency.

**3.09 Liquidated Damages**

The bidder is expected to deliver goods that conform in all material respects to their offer on or before the date provided. In the event that the goods are delivered late or in the event that the goods do not conform in all material respects to the contractual offer, 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 on the RFP and the date that goods are delivered to the State. In the case of equipment of this type, the daily rental fee is determined to be **\$100.00**. 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 inspect the goods.

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.

These liquidated damages for late delivery are not the exclusive remedy available to the State, but are in addition to all other actual damages that the State may incur by reason of late delivery or delivery of nonconforming goods.

### 3.10 Termination for Default

If the Contracting Officer determines that the contractor has refused to perform the work or has failed to perform the work with such diligence as to ensure its timely and accurate completion, the state may, by providing written notice to the contractor, terminate the contractor's right to proceed with part or all of the remaining work.

This clause does not restrict the state's termination rights under the contract provisions of Appendix A, attached.

### 3.11 Contract Invalidation

If any provision of this contract is found to be invalid, such invalidation will not be construed to invalidate the entire contract.

### 3.12 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.

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:

- (a) .90 (90 percent) PR during any consecutive 12-months (365 days) during the warranty period.
- (b) .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.
- (c) PR below the state percentages do not meet minimum reliability requirements for state owned equipment.

### 3.13 Machine Failure and Downtime:

**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**.

**Conditioned Failure** is any Machine Failure attributable to accident, operator abuse or other external cause not attributable to a defect in the machine itself.

**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.

**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.

**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:

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

**Days in a Month \*\***

**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:

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

**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 38,000 GVWR Cab and Chassis Units = \$4.19 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.

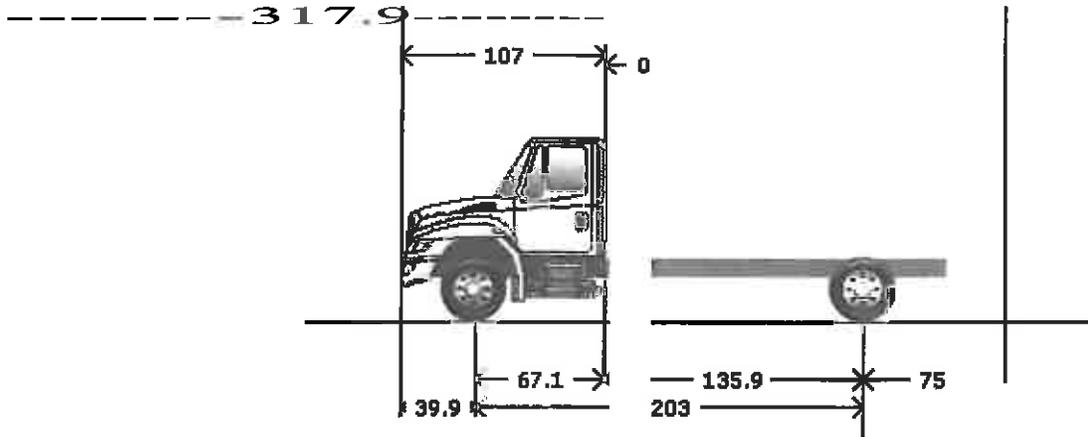
**3.14 F.O.B. POINT:**

- (b) The final F.O.B. point under this contract will be Anchorage, Alaska

**APPENDIX D  
DELIVERABLES**

**Class 8 Heavy Duty 37,000 GVWR Cab and Chassis.**

**International 2014 4300M7 SBA 4x2**



Model Profile

2014 4300M7 SBA 4X2 (MA065)

MISSION:	Requested GVWR: 27750. Cale. GVWR: <b>37000</b> Cale. Start / Grade Ability: 28.00% /2.91% <b>@55 MPH</b> Cale. Geared Speed: 84.6 MPH
DIMENSION:	Wheelbase: 203.00, CA: 135.90, Axle to Frame: 75.00
ENGINE, DIESEL:	{MaxxForce 7} EPA 10, 260 HP@2600 RPM, 660 lb-ft Torque@ 1600 RPM, 2800 RPM Governed Speed, 260 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 3000_RDS_P} 4th Generation Controls; Close Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-14-122A} I-Beam Type, 14,000-lb Capacity
AXLE, REAR, SINGLE:	{Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, With 200 Wheel Ends Gear Ratio: <b>5.38</b>
CAB:	Conventional
TIRE, FRONT:	(2) 12R22.5 HSC1 (CONTINENTAL) 482 rev/mile, load range H, 16 ply
TIRE, REAR:	(5) 11R22.5 0660 (GENERAL) 492 rev/mile, load range G, 14 ply
SUSPENSION, RR, SPRING, SINGLE:	Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring
PAINT:	Cab schematic 100GA Location 1: 9219, Winter White (Std)

Chassis schematic N/A

ENGINE, DIESEL (0012NUJ) ATTACHMENTS: 0012VXU (THROTTLE, HAND CONTROL)

Parameter	Value	UOM
	70	
	2448	
Max Vehicle Speed Limit:7902	0, DISABLE FEATURE OR FUNCTION	MPH
Max Eng Speed wNeh Spd Fault:7905	5	RPM
Idle Shutdown Mode:7400	20	NIA MIN
Idle Shutdown Time:7401 Cruise	70	MPH
Min Vehicle Speed:7603 Cruise	2, COSI AVERAGE MPG & MPH BASED FEATURE ENABLED	MPH
Max Vehicle Speed:7604 Service	100	NIA
Interval Indicator:9500 Service	0000	%
Interval % Notify:9507 Customer	2600	NIA
Password:8700	1000	RPM
AESC Max Engine Speed:7508	1500	RPM
AESC Preset Engine Speed 1:7505	100	RPM
AESC Preset Engine Speed 2:7506	10	RPM/SEC
AESC Engine Speed Ramp Rate:7507	0, FEATURE OR FUNCTION IS DISABLED	MPH NIA
AESC Max Vehicle Speed:7501	1, RETURN TO ZERO FUNCTIONALITY OT REQUIRED	NIA
AESC Remote Pedal Enable:7504	4.1990	V
AESC Remote Pedal-Return To 0:7513	0.2490	V
AESC Rem Pedal V Threshold ORH:7535		
AESC Rem Pedal V Threshold ORL:7534		

These Electronic Parameters have been successfully finalized

	Description
MA06500	Base Chassis, Model 4300M7 SBA 4X2 with 203.00 Wheelbase, 135.90 CA, and 75.00 Axle to Frame.
1CAE	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 420.0" (10668mm) Maximum OAL
1WEC	WHEELBASE RANGE 185" (470cm) Through and Including 236" (600cm)
12NUJ	ENGINE, DIESEL (MaxxForce 7) EPA 10, 260 HP @2600 RPM, 660 lb-ft Torque@ 1600 RPM, 2800 RPM Governed Speed, 260 Peak HP (Max)  Includes :AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only) :ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40 Degrees F/-40 Degrees C; for MaxxForce Engines :CRUISE CONTROL Electronic; Controls Integra to Steering Wheel :ENGINE OIL DRAIN PLUG Magnetic :ENGINE SHUTDOWN Electric, Key Operated :FUEL FILTER Engine Mounted :FUEL HEATER Included with Fuel/Water Separator :FUEL/WATER SEPARATOR Engine Mounted :GLOW PLUG Automatic with Indicator Light :GOVERNOR Electronic :OIL FILTER, ENGINE Drop-In Cartridge Type
12VBR	AIR CLEANER With Service Protection Element  Includes :GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted BLOCK
12890	HEATER, ENGINE (Phillips) 120 Volt/1000 Watt  Includes :BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12VZD	FEDERAL EMISSIONS for 2010; MaxxForce 7 Engines
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations
12XAN	OBD COMPLIANCE for 2013 OBD
7BDA	EXHAUST SYSTEM Single, Horizontal, After treatment Device Frame Mounted Right Side Back of Cab, Includes Horizontal Tail Pipe  Includes : NOTE: The Horizontal Tailpipe Includes a Temperature Control Device
12TSY	FAN DRIVE (Borg-Warner SA85) Viscous Type, Screw On  Includes :FAN Nylon
12WTA	FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted
12UAY	RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 817 SqIn Louvered, With 262 SqIn CAC, With In Tank Oil Cooler  Includes :DEAERATION SYSTEM with Surge Tank :HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps :RADIATOR HOSES Premium, Rubber
9WAC	BUG SCREEN Front End; Mounted Behind Grille
15SGE	FUEL TANK Top Draw; D Style, Non Polished Aluminum, 100 U.S. Gal., 378.5 L Capacity, 19.0" Tank Depth, Mounted Right Side Under Cab

Description Notes  
:NIAwith 19.5" Tires

13ALZ	TRANSMISSION, AUTOMATIC {Allison 3000_RDS_P} 4th Generation Controls; Close Ratio, 5-Speed, With Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GWW & GCWMax.  Includes :OIL FILTER, TRANSMISSION Mounted on Transmission :TRANSMISSION OIL PAN Magnet in Oil Pan
13WBL	TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction
13WYL	SHIFT CONTROL PARAMETERS Allison Performance Programming in Primary and Allison Economy Programming in Secondary
11001	CLUTCH Omit Item (Clutch & Control) TOW
1570	HOOK, FRONT (2) Frame Mounted
1LLD	BUMPER, FRONT Full Width, Aerodynamic, Steel; 0.142" Material Thickness  Includes :BUMPER, FRONT Powder Coated Gray {Argent) Color
2AST	AXLE, FRONT NON-DRIVING {Meritor MFS-14-122A} I-Beam Type, 14,000-lb Capacity  Notes :The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
29563	WHEEL SEALS, FRONT {Dana Spicer Outrunner} for Oil Lubricated Wheel Bearings
4JCJ	BRAKES, FRONT, AIR CAMS-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers Notes :The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.  SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 14,000-lb Capacity; With Shock Absorbers Includes :SPRING PINS Rubber Bushings, Maintenance-Free
3ADD	<u>Notes</u> :The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.  AXLE, REAR, SINGLE {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, With 200 Wheel Ends .Gear Ratio: 5.38
14051	<u>Notes</u> :The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.  BRAKES, REAR, AIR CAMS-Cam; 16.5"x7.0"; Includes 30/30 Sq. In. Long Stroke Brake Chamber and Spring Actuated Parking Brake
4NDB	<u>Notes</u> :The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

Code	Description
4AZJ	AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel) With Automatic Traction Control
14VAH	SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxilliary Rubber Spring
	Notes :The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.
5PSA	STEERING GEAR {Sheppard M-100} Power
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	Includes ·BRAKE LINES Color and Size Coded Nylon DRAIN VALVE Twist-Type GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster :PARKING BRAKE CONTROL Yellow.Knob, Located on Instrument Panel :PARKING BRAKE VALVE For Truck · QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 SLACK ADJUSTERS, FRONT Automatic ·SLACK ADJUSTERS, REAR Automatic SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4
	Notes :FrontandRearDustShieldsnotIncluded :RearAxle is Limited to 19,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCL BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered. :RearAxle is Limited to 20,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCG BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered.
4ESX	BRAKE CHAMBERS, FRONT AXLE {Haldex} 20 Sqn
4EVK	BRAKE CHAMBERS, REAR AXLE {Haldex LC3030LHD} 30/30 Spring Brake
	Includes : BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles Less Than 46,000-lb. or GVWR Less Than 54,000-lb.
4WBX	DUST SHIELDS, FRONT BRAKE for Air Brakes
4WDM	DUST SHIELDS, REAR BRAKE for Air Brakes
4EBD	AIR DRYER {Meritor Wabco System Saver 1200} with Heater Includes :AIR DRYER LOCATION Inside Left Rail, Back of Cab  AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity
4SBC	(2)TIRE, FRONT 12R22.5 HSC1(CONTINENTAL)482 rev/mile, load range H, 16ply
7382155419	(5) TIRE, REAR 11R22.5 D660 (GENERAL) 492 rev/mile, load range G, 14 ply
7372130509	WHEELS, FRONT DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285.75MM BC).Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs
27DMA	Includes : PAINT IDENTITY, FRONT WHEELS White
	Notes :Compatible Tire Sizes: 11R22.5, 12R22.5, 255170R22.5, 255/80R22.5, 265175R22.5, 275170R22.5, 275/80R22.5, 295175R22.5, 295/80R22,5

Code	Description
28DMA	<p>WHEELS, REARDUAL DISC;22.5" Painted Steel, 2 Hand Hole, 10-Stud(285.75MMBC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs</p> <p>Includes :PAINT IDENTITY, REAR WHEELS White</p> <p>Notes :Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22.5</p>
29WAP	WHEEL GUARDS, FRONT {Accuride} for Metric Hub Piloted Wheels with Flanged Mounting Nuts Mounted Between Hub and Wheel
29WAR	WHEEL GUARDS, REAR {Accuride} for Metric Hub Piloted Wheels with Flanged Mounting Nuts, Mounted Between Hub & Wheel and Between Dual Wheels
29007	<p>TIRE, SPARE Equal to Model Standard</p> <p>Notes :NOTE: Only One Spare Tire per Truck Ordered. Order Must Reflect Number of Tires Required (Including Spare). 10-Digit Tire Code and Spare Rim/Wheel Code Must be Specified.</p>
26DRA	WHEEL, SPARE, DISC 22.5" Painted Steel, 10 Stud (285.75MM BC Hub Piloted) 8.25 DC Rim
10WPR	MUD FLAP HOLDER Spring Loaded, Painted Black; With Red and White Reflective Tape; Less Flaps
10WSX	MUD FLAPS, REAR Black Poly, With International Logo; Less Holders
8000	<p>ELECTRICAL SYSTEM 12-Volt, Standard Equipment</p> <p>Includes BATTERY BOX Steel DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab FUSES, ELECTRICAL SAE Blade-Type :HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever HORN, ELECTRIC Single JUMP START STUD Located on Positive Terminal of Outermost Battery :PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light :STARTER SWITCH Electric, Key Operated :STOP, TURN, TAIL &amp; B/U LIGHTS Dual, Rear, Combination with Reflector :TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature :TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted :WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever :WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted :WIRING, CHASSIS Color Coded and Continuously Numbered</p>
2WES	BATTERY DISCONNECT SWITCH {Joseph Pollak 51-315} Positive Type, Lever Operated, Cab Mounted
BTPC	STOP, TURN, TAIL & B/U LIGHTS {Truck Ute LED Multi-Function Lamp} Mounted Outside Rails
BWDG	BACK-UP ALARM {Pre.co 1059} Electronic; Solid State, Dual Function, 112 dBA
8GGZ	ALTERNATOR {Leece-Neville LBP2224H} Brush Type; 12 Volt 120 Amp. Capacity, Pad Mount
BMED	BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 110CCA Total
BWYD	STARTING MOTOR {Delco Remy 29MT} 12 Volt; Less Thermal Over-Crank Protection, With Integrated Magnetic Switch
8WZK	HEADLIGHTS Halogen; Composite Aero Design for Two Light System

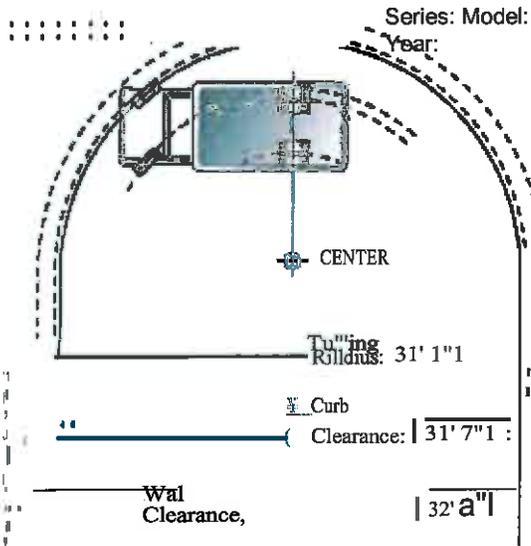
Code	Description
9HAD	GRILLE Chrome
9WAY	FRONT END Tilting, Fiberglass, With Three Piece Construction
16030	CAB Conventional
	Includes
	ARM REST (2) Molded Plastic; One Each Door
	: CLEARANCE/MARKER LIGHTS (5) Flush Mounted
	COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window
	CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel
	: DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted
	: GLASS, ALL WINDOWS Tinted
	: GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side
	: GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side
	: INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color
	: STEP (4) Two Steps Per Door
16WEE	CAB SOUND INSULATION Includes Dash Insulator and Engine Cover Insulator Notes
	: Feature included with CAB INTERIOR TRIM, Premium
	CAB INTERIOR TRIM Deluxe
16WRX	Includes
	: "A" PILLAR COVER Molded Plastic
	: CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering
	: CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket
	: DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors
	: FLOOR COVERING Rubber, Black
	: HEADLINER Soft Padded Cloth
	: INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section
	: STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door
	: SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console
	STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door
16WLE	AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
16WCT	Includes
	: HEATER HOSES Premium
	: HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps
	: REFRIGERANT Hydrofluorocarbon HFC-134A
	WINDOW, POWER (2) And Power Door Locks, Left and Right Doors, Includes Express Down Feature
16WJU	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel
12VXU	STEERING COLUMN Tilting and Telescoping
5710	STEERING WHEEL 2-Spoke, 18" Diam., Black
SCAL	SEAT, DRIVER {National 2000} Air Suspension, Mid Back, Vinyl, 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Angle Adjust
16JPT	Includes
	: SEATBELT 3-Point, Lap and Shoulder Belt Type
	SEAT, PASSENGER {Gra-Mag} Non Suspension, High Back, Fixed Back, Integral Headrest, Vinyl
16PJH	

## Description

## Includes

: SEAT BELT 3-Point, Lap and Shoulder Belt Type

16SDT	MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostat Controlled, Power Both Sides Flat Glass Only, Clearance Lights LED,
SRJU	RADIO {International} AM/FM Stereo With CD Player, Weatherband, Clock, Auxiliary Input, Includes Multiple Speakers  Includes :SPEAKERS INCAB (2) Coaxial with Deluxe Interior :SPEAKERS INCAB (4) Coaxial with Premium Interior
60AAA	BOY INTG, REMOTE POWER MODULE Mounted Under Cab or On Battery Box; Up to 6 Outputs & 6 Inputs, Max. 20 amp. per Channel, Max. 80 amp. Total {Includes 1 Switch Pack With Latched Switches}
60ABE	BDY INTG, PTO ACCOMMODATION for Electric over Hydraulic PTO, Does Not Include Solenoids, With Latched Switch Mounted on Dash Includes Audible Alarm and Indicator Light in Gauge Cluster (Requires 1 Remote Power Module input & 1 output)
16HBA	GAUGE CLUSTER English With English Electronic Speedometer  Includes :GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter :ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout :WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16WJS	INSTRUMENT PANEL Center Section, Flat Panel
BWWJ	INDICATOR, LOW COOLANT LEVEL With Audible Alarm
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100  Includes :PAINT SCHEMATIC ID LETTERS "GA"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
DLR1	MANUALS, Electronic Web Based, OnCommand Service Information & OnCommand Parts Catalog for Chassis & Engine
TSC	ANTIFREEZE, ELC to minus 50 degrees Fahrenheit
DLR001	MANUALS, Paper Parts & Electronic CD Service, Allison Transmission
NQ828009	DIAG SOFTWARE, ServiceMaxx for Engine - Read Fault and clear diagnostic fault codes; View, graph and save engine data; Diagnostic Tests; Display and change configurable Parameters
NQ828005	DIAG SOFTWARE, DLB Fleet for Elec Sys - Read & clear diag fault codes, View veh parameters & features, Bi-directional control of elec comp, View switch loc & cluster config, View wiring diag, Auto module detection, Graph parameters, Record snapshots
92020	DIAG SOFTWARE, Allison DOC For Fleets (3000/4000 Series) Licensed Software on DVD
TSC	WINTERFRONT, OEM Vinyl DuraStar
TSC	COOLANT DRAIN, Furnish and install a drain cock in coolant system for maximum drainage



Series: Model: Description: Model 4000  
Year: MA065  
4300M7 SBA 4X2  
2014

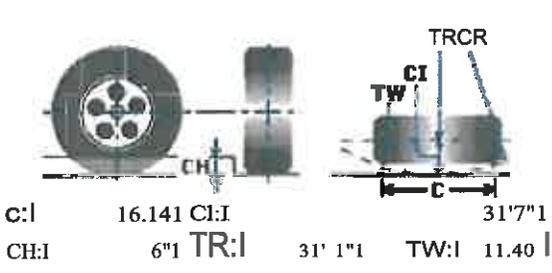
Calculation Factors

- Wheelbase: 203
- Front Axle: 0002AST  
Description: AXLE, FRONT NON-DRIVING, {Meritor MFS-14-122A} 1-Beam Type, 14,000-lb Capacity
- Front Wheel: 0027DMA  
Description: WHEELS, FRONT, DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs
- Front Tire: 07382155419  
Description: TIRES, 12R22.5 HSC1 (CONTINENTAL) 482 rev/mile, load range H, 16 ply
- Steering Gear: 0005PSA  
Description: STEERING GEAR, {Sheppard M-100} Power

Turning Radius Statistics

General Information Inside Turn Angle: Radial Overhang: 43 Degrees  
Axle Information KingPin Inclination: KingPin Center: 19  
6.25 Degrees  
69

Turning Radius - Curb View



- C - Curb Contact Length: 16.14
- CI - Curb Clearance Increment: 6.04
- CR - Curb Clearance Radius: 31'7"
- CH - Curb Height: 6"
- TR - Turning Radius: 31'1"
- TW - Tire Width: 11.40

C: 16.14 CI: 6.04 TR: 31' 1" TW: 11.40  
CH: 6" CR: 31' 7"

**APPENDIX E  
CONTRACT WARRANTY AND PRICE**

**PRICE:**

**2014 International 4300M7 SBA 4x2**

PRICE PER BASE UNIT DELIVERED TO ANCHORAGE, ALASKA-----\$69,124.00

OPTIONAL PRICE FOR DIAGNOSTICS SOFTWARE INCLUDES ENGINE, CAB ELECTRICAL,  
ALLISON TRANSMISSION, ONLINE ACCESS TO ONCOMMAND SERVICE AND PARTS ONLINE  
CATALOGS-----\$942.00

OPTIONAL PRICE FOR CAB TO AXLE MEASUREMENT OF 148" INCHES AND ABOVE -----\$552.00

**WARRANTY:**

BASIC VEHICLE STANDARD WARRANTY: 24 MONTH, UNLIMITED MILEAGE  
FRAME SIDE RAILS: 84 MONTHS, UNLIMITED MILEAGE  
CAB/COWL STRUCTURE: 60 MONTHS, UNLIMITED MILEAGE  
ENGINE WARRANTY: 36 MONTH OR 150,000 MILES WHICHEVER COMES FIRST  
TRANSMISSION AND AXLES: 36 MONTH, UNLIMITED MILEAGE  
ALL WARRANTIES INCLUDE 100% PARTS AND LABOR

DELIVERY TIME: 120 DAYS AFTER RECEIPT OF ORDER