

**The Board of Public Education
of the School District of Pittsburgh**

Administration Building, 341 South Bellefield Avenue

**Inquiry
Number 8749-1**

Pittsburgh, PA 15213

Sealed bids for material listed herein will be received in the Office of the Chief Operations Officer, Room No. 251 in the Administration Building until 11 o'clock A.M., TUESDAY, OCTOBER 14, 2014 and will be opened at the same hour in Conference Room "A" Center Section.

**Price each item as indicated including delivery INSIDE OF BUILDING to
Insert Prices, Model No., etc., sign the bid form and Return ONE Copy**

**AUTOMOTIVE EQUIPMENT
SERVICE CENTER**

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1. These bids are being received according to law as set forth in the Public School Code of 1949, as amended.
 2. All bids shall be returned in sealed envelopes and addressed to The Board of Public Education. Please show the bid inquiry number on the outside of the envelope.
 3. The Bidder is responsible for ensuring that the Bid document, inside a sealed envelope, is deposited into the locked bid box in Room 251 of the Administration Building prior to 11:00 AM on the date of the Bid Opening. Delivering that Bid document to a school district employee, even if a signature is obtained, is **not** sufficient to meet the requirements of this Bid Condition. The School District is not responsible for the failure of any of its employees or any mail delivery service to place this bid document in the designated bid box prior to the time and date for the public opening of this Bid.
 4. One copy of this bid inquiry document is to be filled out, signed and returned to the Board of Public Education.
 5. Bids shall be submitted on this Inquiry form which must be signed by a duly authorized agent or officer of the Company making the bid. Absence of original signature of person duly authorized to sign for the Company submitting this bid document will automatically leave this bid null and void.
 6. Bidders will quote prices on the unit as specified (i.e., "each", "lot", "dozen", etc.) unless the unit as used in the trade differs from that requested on the Inquiry. In such case, the unit being bid should be changed on this bid document to reflect the industry standard.
 7. Prices quoted will be considered net unless otherwise noted on bid. No escalator clauses will be permitted unless provided for in the Bid format.
 8. Prices quoted must include all costs for transportation to the location indicated above including delivery inside the building.
 9. Not more than one alternate product may be quoted on any single item of the bid. Description and pricing for such alternate must be typed in on this document immediately below space for pricing of primary bid.
 10. All bids shall be effective for a period of 45 days from the opening date of this bid, and no bid may be withdrawn prior thereto.
 11. In all cases where no sample is submitted by the bidder, it will be understood that the bidder agrees to furnish the exact article or articles as specified, or to exactly match the Board's sample. Where samples are requested on items bid, failure to provide such samples may result in the automatic disqualification of the bid for those items.
 12. The Purchasing Agent of The Board of Public Education shall have full power and authority to reject any and all materials furnished which in his opinion, are not in strict compliance and conformity with the requirements of the specifications, or equal in every respect to the samples submitted. The decision of said Purchasing Agent shall be final, conclusive, and without exceptions or appeal. All articles so rejected shall promptly be removed from the premises of the Board at the cost of the Vendor.
 13. The Board of Public Education reserves the right to increase quantities of items to be purchased to reflect actual Board needs at the time that orders are issued. Such additional quantities will be purchased at the price indicated on this bid.
 14. The Board of Public Education reserves the right to reject any or all bids, and to accept or reject any item or group of items, for which bid is submitted.
 15. Piggybacking - It is understood that the goods and services described in the specifications may be purchased by the District and any other local municipal bodies as set forth in the specifications and bidder agrees to supply the goods and services to the local municipal bodies on the same terms and conditions as if they were to be supplied to the District. To the extent that the local municipal bodies purchase goods or services, then the local municipal bodies and not the District, shall be liable to the bidder.

SCHOOL DISTRICT OF PITTSBURGH
PROCEDURES FOR IMPLEMENTATION OF
SUBSTANCE ABUSE POLICY

PURPOSE

The purpose of these Procedures is to specify to whom the Substance Abuse Policy of the School District of Pittsburgh applies and to ensure that the Substance Abuse Policy is implemented and enforced in a uniform manner throughout the School District of Pittsburgh (the District).

APPLICABILITY

The Substance Abuse Policy of the District applies to Construction Contractors and other Independent Contractors, and their employees whose work with the District will include tasks that are considered high risk or safety sensitive or includes tasks that genuinely implicate public safety.

DEFINITIONS

Alcohol Test – a “for cause” only test for alcohol performed according to the National Highway Traffic Safety Administration, Model Specifications and Evidential Breath Testing Devices, 49 Federal Register 48855, dated December 14, 1984 (and any amendments thereto). For purposes of these procedures, the cut off level for alcohol shall be .04%.

Appropriate Drug Test – a test for drugs that is performed according to the Department of Health and Human Services Mandatory Guidelines for Federal Workplace Drug Testing Program, 53 Federal Register 11970, April 11, 1988 (and any amendments thereto).

Certificate of Compliance – a notarized Certificate executed by the Contractor and submitted to the School District’s Compliance Officer declaring that the Contractor has read and understands the Substance Abuse Policy of the District and will allow only those employees who have passed an appropriate drug test to work on District projects.

Contractor – a Construction Contractor or an Independent Contractor.

Contractor’s Substance Abuse Testing Program – the Pre-Access Testing Program and/or “for cause” testing program established, administered and enforced by the Contractor pursuant to Paragraphs 2 & 3 of the District’s Substance Abuse Policy. Such a program may include a rehabilitation component through a facility that has been accredited through the Joint Committee on Accreditation of Health Care Organizations.

Employee – a Subcontractor or an employee of a Construction Contractor or an Independent Contractor.

High Risk or Safety Sensitive Tasks – functions that include, but are not limited to:

1) duties related to construction on District property, including tasks performed by ironworkers, plumbers, electricians, roofers, painters and those engaged in HVAC (heating, cooling, ventilation and air conditioning) work; 2) tasks that include the operation of all kinds of equipment and machinery; 3) the operation of vehicles that require the operator to hold a CDL (Commercial Driver's License); and 4) any type of work that requires an individual to climb or use any type of scaffolding, lifts, or ladders or would require an individual to work at a substantial height.

Pre-Access Testing Program – the portion of the Contractor's Substance Abuse Testing Program that requires a drug test to be performed on an employee and passed prior to allowing an employee access to District workplaces.

Random Testing – a drug testing program implemented and managed by a Third Party Administrator, at a cost to the Contractor, whereby participants are selected by social security number from the total program participation. Participants are selected by utilizing a computer with a number generating software program. Twenty-five percent (25%) of the total program participation will be randomly tested. A participant may be tested more than once.

Substance Abuse – the use of drugs or alcohol at the workplace.

Testing “for cause” – alcohol testing necessitated by observed behavior indicating that the employee may be under the influence of drugs or alcohol and/or the involvement by the employee in, or cause of an accident which causes or could have caused injury to the employee or another individual, or which causes or could have caused destruction or damage to the District's property.

Third Party Administrator – the entity that will validate Contractor's Substance Abuse Testing Program and will implement and manage a random testing program and develop/maintain a database for the District.

PROCEDURES

1. It is the policy of the School District of Pittsburgh, consistent with applicable laws and regulations to prohibit the use of illegal drugs and the use of alcohol at the workplace and to require that all Construction Contractors and other Independent Contractors certify that their employees engaged in the type of work covered by this policy have passed an appropriate drug test.

2. Prior to the bidding process for each contract subject to this policy, it shall be the duty of the Director of the Division or Administrator soliciting the bid to determine if any of the work of the contract is considered high risk, safety sensitive or considered to genuinely implicate public safety and if so must include the School District of Pittsburgh's Substance Abuse Policy and Certification Form in the Bid Documents.
3. During the negotiation process for each personal services contract subject to this Policy, it shall be the duty of the Director of the Division or Administrator to determine if any of the work of the contract is considered high risk, safety sensitive or considered to genuinely implicate public safety and if so must provide the School District of Pittsburgh's Substance Abuse Policy and Certification Form to the individual who will execute the contract.
4. The list of high risk or safety sensitive tasks or tasks that genuinely implicate public safety are listed in the definition of this policy however, the list is not exclusive. Such list shall be reviewed by the Chief of Operations and/or his designee prior to the commencement of the policy. Such list shall be periodically reviewed in order to determine if additional tasks should be added to the list.
5. Certificates of Compliance shall be directed to the District's Compliance Officer. Such certificates will be maintained on file for one year beyond job completion in the office of the Compliance Officer. Certificates of Compliance will be required for each contract with the School District of Pittsburgh to which these guidelines apply.
6. Any Construction Contractor, Independent Contractor or employee of same who observes behavior indicating that another person to whom this policy applies may be under the influence of drugs or alcohol shall immediately report such behavior to the District's Compliance Officer or the Office of the Chief of Staff at 412-622-3633.
7. Any Construction Contractor or Independent Contractor who violates this policy or its reporting requirements shall cause its contract with the District to be immediately terminated, and any employee who violates same shall immediately be removed from such project.
8. The School District of Pittsburgh and/or its designee maintains the absolute right to examine and review from time to time, any and all records related to the Contractor's Substance Abuse Program.

**CERTIFICATE OF COMPLIANCE WITH THE
SUBSTANCE ABUSE POLICY OF THE
SCHOOL DISTRICT OF PITTSBURGH**

I, _____, do hereby certify that I have read and understand the Substance Abuse Policy of the School District of Pittsburgh, and have supplied a copy of same to my employees and/or subcontractors. I also declare that my employees and/or subcontractors. I also declare that my employees and/or subcontractors and their employees who will be performing tasks that are high risk, safety sensitive or genuinely implicate public safety, will pass an appropriate test for substance abuse prior to being permitted access to the School District of Pittsburgh's workplaces.

NOTARY PUBLIC

BY: _____
Signature of Representative

Signature of Notary

Print Name & Title of Representative

(Seal and/or Stamp)

Print Name of Company

Telephone Number of Representative

Date

INSTRUCTIONS FOR CERTIFICATION REGARDING
DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION-
LOWER TIER COVERED TRANSACTIONS

1. By signing and submitting this form, the prospective lower tier participant is providing the certification set out on the following page in accordance with these instructions.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms “covered transaction”, “debarred”, “suspended”, “ineligible”, “lower tier covered transaction”, “participant”, “person”, “primary covered transaction”, “principal”, “proposal” and “voluntarily excluded”, as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this form that it will include in this clause titled “Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion, - Lower Tier Covered Transactions”, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals, each participant may, but is not required to, check the List of Parties Excluded from Federal Procurement or Nonprocurement Programs.
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the Certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

CERTIFICATION

REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION -LOWER TIER COVERED TRANSACTIONS

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, encoded at 29 CFR Part 98, 98.510, participants responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register {Pages 19160-19211}.

{BEFORE COMPLETING CERTIFICATION, READ ATTACHED INSTRUCTIONS WHICH ARE AN INTEGRAL PART OF THE CERTIFICATION}.

(1) The prospective recipient of federal assistance funds certifies, by submission of this proposal, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

(2) Where the prospective recipient of federal assistance funds is unable to certify to any of the statements in this Certification, such prospective participant shall attach an explanation to this proposal.

NAME OF ORGANIZATION _____

AUTHORIZED REPRESENTATIVE _____ TITLE _____

SIGNATURE _____ DATE _____

ADDRESS _____

PHONE _____ E-MAIL _____

The Board of Public Education
of the School District of Pittsburgh
Pittsburgh, PA 15213

INQUIRY NUMBER 8749-1
SHEET NUMBER 8 OF 34

	Articles	Price
	<p style="text-align: center;">SPECIFICATIONS</p> <p style="text-align: center;">FOR</p> <p style="text-align: center;">AUTOMOTIVE EQUIPMENT</p> <p style="text-align: center;">AT</p> <p style="text-align: center;">THE SERVICE CENTER</p> <p>THE PRICE BID ON THIS INQUIRY MUST BE A TOTAL PRICE TO THE BOARD OF PUBLIC EDUCATION OF THE SCHOOL DISTRICT OF PITTSBURGH AND SHALL INCLUDE ALL COSTS RELATED TO THE FURNISHING AND DELIVERY INSIDE THE BUILDING OF THE SPECIFIED EQUIPMENT, MATERIALS AND SUPPLIES.</p> <p>ANY QUESTIONS PERTAINING TO THIS BID SHOULD BE DIRECTED TO:</p> <p style="text-align: center;">LEON WEBB</p> <p style="text-align: center;">THE BOARD OF PUBLIC EDUCATION SERVICE CENTER-UPPER LEVEL 1305 MURIEL STREET PITTSBURGH, PA 15203</p> <p style="text-align: center;">PHONE: (412) 529-4664</p> <p style="text-align: center;"><u>NON-DISCRIMINATION POLICY</u></p> <p>THE PITTSBURGH PUBLIC SCHOOL DISTRICT IS AN EQUAL OPPORTUNITY EDUCATION INSTITUTION AND WILL NOT DISCRIMINATE ON THE BASIS OF RACE, COLOR, NATIONAL ORIGIN, SEX OR HANDICAP IN ITS ACTIVITIES, PROGRAMS OR EMPLOYMENT PRACTICES AS REQUIRED BY TITLE VI, TITLE IX AND SECTION 504.</p> <p>FOR INFORMATION REGARDING CIVIL RIGHTS OR GRIEVANCE PROCEDURES CONTACT: <u>CONTRACT COMPLIANCE OFFICE</u> <u>PITTSBURGH PUBLIC SCHOOLS, 341 SOUTH BELLEFIELD AVENUE</u> <u>PITTSBURGH, PA 15213, (412) 529-3733</u></p>	

We, the undersigned, hereby propose and agree to furnish to the Board of Public Education any or all of the items that we have priced, at the prices set opposite each item in the foregoing list. This proposal is subject to all terms of the specifications, bid conditions and instructions herein, and we hereby agree to furnish such item or items as may be awarded to us. This bid document is null and void without an original signature of a person properly authorized to sign for the company submitting the bid.

Company Name _____

Sign Here _____

Original Signature Required

The Board of Public Education
of the School District of Pittsburgh
Pittsburgh, PA 15213

INQUIRY NUMBER 8749-1
SHEET NUMBER 9 OF 34

ITEM NO.	Articles			Price
<u>AUTOMOTIVE EQUIPMENT</u>				
1.	1	EACH	2015 CAB AND CHASSIS 260 WB TO MEET ATTACHED SPECIFICATION NO. 1 FORD F-750 SUPER DUTY. MFG. _____ MFG.# _____ PRICE EACH	\$ _____
2.	2	EACH	2015 FULL SIZE CARGO VAN TO MEET ATTACHED SPECIFICATION NO.2 – FORD TRANSIT MFG. _____ MFG.# _____ PRICE EACH	\$ _____
3.	1	EACH	2015 CAB AND CHASIS 4 X 4, 161 WB TO MEET ATTACHED SPECIFICATION NO. 3, FORD 550 SUPER DUTY. MFG. _____ MFG.# _____ PRICE EACH	\$ _____
4.	3	EACH	2015 CAB AND CHASIS 4 X 4, 141 WB TO MEET ATTACHED SPECIFICATION NO.4, FORD 550 SUPER DUTY. MFG. _____ MFG.# _____ PRICE EACH	\$ _____
5.	1	EACH	20 FT. ALUMINUM ROLLBACK FOR SUITABLE MOUNT ON ITEM NO. 1. MUST MEET ATTACHED SPECIFICATION NO.5 JERRDAN 6 TON PIONEER. MFG. _____ MFG.# _____ PRICE EACH	\$ _____
6.	1	EACH	11 FT. UTILITY BODY WITH 49 FOOT AERIAL INSULATED LIFT AND ONE MAN BUCKET SUITABLE FOR INSTALLATION ON ITEM NO. 3. MUST MEET ATTACHED SPECIFICATION NO. 8. MFG. _____ MFG.# _____ PRICE EACH	\$ _____

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Company Name _____

Sign Here _____

The Board of Public Education
of the School District of Pittsburgh
Pittsburgh, PA 15213

INQUIRY NUMBER 8749-1
SHEET NUMBER 10 OF 34

ITEM NO.	Articles	Price
<u>AUTOMOTIVE EQUIPMENT</u>		
7.	1 EACH 9 FT. ALUMINUM DUMP BODY AND 8 ½ FT. SNOW PLOW AND TAILGATE SPREADER TO MEET ATTACHED SPECIFICATION NO. 7. MUST BE SUITABLE FOR INSTALLATION ON ITEM NO. 4. MFG. _____ MFG.# _____ PRICE EACH	\$ _____
8.	1 EACH 8 ½ FT. SNOW PLOW EQUAL TO WESTERN ULTRAMOUNT PRO PLUS, 8 FT. GASOLINE STAINLESS STEEL SALT SPREADER TO MEET ATTACHED PECIFICATION NO. 8. MFG. _____ MFG.# _____ PRICE EACH	\$ _____

We, the undersigned, hereby propose and agree to furnish to the Board of Public Education any or all of the items that we have priced, at the prices set opposite each item in the foregoing list. This proposal is subject to all terms of the specifications, bid conditions and instructions herein, and we hereby agree to furnish such item or items as may be awarded to us. This bid document is null and void without an original signature of a person properly authorized to sign for the company submitting the bid.

Company Name _____

The Board of Public Education
of the School District of Pittsburgh
Pittsburgh, PA 15213

INQUIRY NUMBER 8749-1
SHEET NUMBER 11 OF 34

ITEM NO.	Articles	Price
	<u>AUTOMOTIVE EQUIPMENT</u> <u>LESS TRADE-IN ALLOWANCE FOR:</u>	
9.	1999 STERLING CARGO, BOARD NO. 9810 S/N 48H67FAC5XHA32618 TRADE IN VALUE	\$ _____
10.	1999 FORD F-450, BOARD #9602 S/N 2FDXF46F7XEA36227 TRADE IN VALUE	\$ _____
11.	2000 FORD F-450, BOARD #0655 S/N 1FTDE14NOPHA74786 TRADE IN VALUE	\$ _____
12.	2000 FORD F-450, BOARD #0656 S/N 1FDXF47F74ED41856 TRADE IN VALUE	\$ _____
13.	1998 CHEVY 3500, BOARD #8641 S/N 1GBJK34F2WFO47877 TRADE IN VALUE	\$ _____
14.	2000 FREIGHTLINER MT 45, BOARD NO. 0624 S/N 4U2A4FA42YCH35973 TRADE IN VALUE	\$ _____
15.	1997 FORD CLUB WAGON, , BOARD #7688 S/N 1FBHE1L2VHA52774 TRADE IN VALUE	\$ _____
16.	2002 F-450 DUMP, BOARD #2664 S/N 1FDXF47F42EC49742 TRADE IN VALUE	\$ _____
17.	2002 FREIGHTLINER SPRINTER, CAR NO. 15 S/N WDZYD641125371671 TRADE IN VALUE	\$ _____
18.	1995 FORD F-350 CAB-N-CHASIS, BOARD # 5685 S/N 2FDKF38F4SCA69380 TRADE IN VALUE	\$ _____

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Company Name _____

Sign Here _____

The Board of Public Education
of the School District of Pittsburgh
Pittsburgh, PA 15213

INQUIRY NUMBER 8749-1
SHEET NUMBER 12 OF 34

	Articles	Price
	<p><u>ADDITIONAL BID CONDITIONS</u></p> <ol style="list-style-type: none"> 1. IN ACCORDANCE WITH THE COMMONWEALTH OF PENNSYLVANIA ACT 40 OF 1984, AS AMENDED BY ACT 18 OF 1985, THE BOARD OF PUBLIC EDUCATION WILL PURCHASE ONLY NEW MOTOR VEHICLES WHICH ARE MANUFACTURED OR ASSEMBLED IN NORTH AMERICA. CERTIFICATION THAT THE EQUIPMENT BID ON THIS INQUIRY WILL MEET THE REQUIREMENT MUST BE SUBMITTED WITH THE BID PROPOSAL. FAILURE TO SUBMIT THE REQUIRED CERTIFICATION WILL RESULT IN THE AUTOMATIC DISQUALIFICATION OF THE BID. 2. THE FOLLOWING SPECIFICATIONS ARE NOT INTENDED TO LIMIT BIDDING TO ANY ONE MANUFACTURER. A SUPPLIER MAY BID ANY EQUIVALENT MAKE OR MODEL WHICH WILL PERFORM THE FUNCTION DESIRED BY THE BOARD OF EDUCATION. 3. NO WIDE VARIANCE WILL BE ACCEPTED FROM THE MINIMUM SPECIFICATIONS LISTED. PRICE BID MUST BE A COMPLETE COST TO THE BOARD INCLUDING ALL DEALER PREPARATION AND OTHER CHARGES <u>INCLUDING MUNICIPAL GOVERNMENT LICENSE AND TITLE APPLICATION FEES.</u> 4. THE STANDARD EQUIPMENT AS LISTED IN ALL MANUFACTURER'S 2010 BROCHURES SHALL BE FURNISHED EXCEPT WHERE OPTIONS CALLED FOR DICTATE OTHERWISE. 5. AUTOMOTIVE EQUIPMENT BID ON THIS INQUIRY SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE PENNSYLVANIA MOTOR VEHICLE CODE AND <u>SHALL BEAR THE LATEST CURRENT INSPECTION STICKER.</u> 6. FULL DESCRIPTIVE LITERATURE INCLUDING DETAILED DRAWINGS OF PROPOSED BODY CONSTRUCTION MUST BE ENCLOSED WITH THIS BID INQUIRY WHEN IT IS RETURNED. 7. DESIGN OF INTERIOR SHELVING AND TRUCK BODIES (ITEM NUMBERS 5, 6, 7, and 8) AND DETAILED CONSTRUCTION OR SHOP DRAWINGS MUST BE APPROVED BY MR. FRED FINK (412) 488-5155 BEFORE CONSTRUCTION BEGINS. 	

We, the undersigned, hereby propose and agree to furnish to the Board of Public Education any or all of the items that we have priced, at the prices set opposite each item in the foregoing list. This proposal is subject to all terms of the specifications, bid conditions and instructions herein, and we hereby agree to furnish such item or items as may be awarded to us. This bid document is null and void without an original signature of a person properly authorized to sign for the company submitting the bid.

Company Name _____

Sign Here _____

Original Signature Required

**The Board of Public Education
of the School District of Pittsburgh
Pittsburgh, PA 15213**

INQUIRY NUMBER 8749-1
SHEET NUMBER 13 OF 34

Articles	Price	
<p><u>ADDITIONAL BID CONDITIONS</u></p> <p>8. ITEM NUMBERS 5, 6, 7, and 8 WILL REQUIRE ASSEMBLY AND INSTALLATION. INDICATE NAME AND ADDRESS OF LOCATION WHERE THIS WILL BE COMPLETED.</p> <p><u>ASSEMBLY</u></p> <p>NAME OF COMPANY _____</p> <p>LOCATION _____</p> <p><u>INSTALLATION</u></p> <p>NAME OF COMPANY _____</p> <p>LOCATION _____</p> <p>9. BIDDERS MUST GUARANTEE THAT THE BODIES FOR ITEM NUMBERS 5, 6, 7, and 8 WILL BE INSTALLED WITHIN SIXTY (60) DAYS AFTER DELIVERY OF THE CHASSIS FROM THE MANUFACTURER.</p> <p>10. EQUIPMENT LISTED AS TRADE-IN MAY BE INSPECTED AT THE BOARD OF PUBLIC EDUCATION SERVICE CENTER, 1305 MURIEL STREET, PITTSBURGH, PA 15203. SCHEDULE AN APPOINTMENT WITH MR. FRED FINK AT 412-488-5155.</p> <p>11. ALL EQUIPMENT TO BE TRADED-IN WILL BE TRADED IN "<u>AS IS</u>" <u>CONDITION</u> WITH NO GUARANTEE THAT IT IS EITHER OPERATIONAL OR ABLE TO PASS REQUIREMENTS FOR STATE INSPECTION.</p>		

We, the undersigned, hereby propose and agree to furnish to the Board of Public Education any or all of the items that we have priced, at the prices set opposite each item in the foregoing list. This proposal is subject to all terms of the specifications, bid conditions and instructions herein, and we hereby agree to furnish such item or items as may be awarded to us. This bid document is null and void without an original signature of a person properly authorized to sign for the company submitting the bid.

Company Name _____

Sign Here _____

Original Signature Required

SPECIFICATION NO. 1 FOR

**CAB AND CHASSIS
2015 F-750
DIESEL SUPER DUTY**

MINIMUM

ALTERNATE
SPECIFICATIONS

Chassis: F-750 Super Duty _____
260 Wheel Base _____
186" Cab To Axle _____

GVW Rating: 25,500 lbs. _____

Engine: Cummings 6.7 Diesel: 325hp _____

Frame: Single Channel 80,000 psi _____

Axle, Front 12,000 lbs. Taper Leaf Spring I- Beam Type _____
Axle, Rear 21,000 lbs. Multi Leaf Type _____
Axle Ratio: 6.43 Single Speed _____

Transmission: 6 Speed Automatic Allison 2200 Series With Park Pawl _____

Wheels: Lightweight Alcoa Aluminum _____

Tires: 2 Front 255-70-22.5 Goodyear G159 Radial _____
4 Rear 255-70-22.5 Goodyear G124 Radial _____
1 Spare 255-70-22.5 Goodyear G159 Radial _____

Brakes: 4 Wheel Disc. _____

Tires: (7) 225/70RX19.5 max traction _____
To include: mounted spare tire and rim _____

Paint: True Blue _____

SAFETY OPTIONS

Interior: Air Bags (dual) with disabling switch _____
Driver Seat, Hi-Back with air ride, two passenger folding bench _____
Seat belts for each seat, PA Approved _____
Heavy duty vinyl trim and arm rests on doors _____
Padded dash and Sun Visors (2) _____
PA approved interior and exterior lighting _____
Assist handles for driver and passenger _____
Tilt steering column _____
Self canceling turn signals _____

Mirrors: Exterior mounted-both sides _____
West Coast type, stainless heated bull _____
With dual 8" stainless convex _____

Wipers: Intermittent windshield wiper with washers _____

SPECIFICATION NO. 1 (Cont'd)

**CAB AND CHASSIS
2015 F-750
DIESEL SUPER DUTY**

Required Options

Air conditioning _____
AM/FM radio _____
Sliding rear window _____
Extra engine cooling capacity _____
Power steering speed control-tilt wheel _____
Power Hydraulic anti-lock brake system , disc front and rear w/automatic adjustment _____
2 heavy duty maintenance free batteries, 900 CCA each _____
Heavy duty alternator minimum of 210 AMP _____
Remote jump start stud _____
Summer/winter coolant installed (permanent type for 20 degree F. below 0) _____
Hot water heater (3 speed) and defroster _____
Heavy duty front springs _____
Emergency road kits _____
Fire Extinguisher _____
Single horizontal muffler _____
Snow plow package _____
Fuel tank, 50 Gal. aluminum, left side, under cab mounted _____
Dual 45 Gal. Side mount fuel tank _____
Engine block heater, 110 w/chord _____
Back Up alarm _____
5 year 100,000 mile warranty _____

Gauges

(trouble lights not acceptable)

Oil Pressure _____
AMP Meter _____
Water Temperature _____
Fuel _____
Tachometer _____
Hour Meter _____
Transmission Temperature _____

All standard options not specially listed above _____

SPECIFICATION NO. 1 FOR
2015 TRANSIT CARGO VAN (GASOLINE)

Chassis: Transit _____
138" Wheel Base _____

GVW Rating: 9,900 lbs. _____

Engine: 3.5 V8 gasoline(Ecoboost) _____

Axle, Front 4,500 lbs. _____
Axle, Rear 5,400 lbs. _____
4:10 limited slip _____

Transmission: Electronic 4 speed automatic O/D _____

Brakes: 4 Wheel Disc. Anti-lock _____
Foot operated parking brake _____

Tires: 5 LT245-75 R-16E Traction: _____
To include full-size mounted spare tire and rim _____

Paint: True Blue _____

SAFETY OPTIONS

Interior: Air Bags (dual) with disabling switch _____
Dual vinyl bucket seats, vinyl trim and arm rests on doors medium flint _____
Crew van package 3 pass 2nd row seat _____
Tilt wheel _____
Padded dash _____
Padded sun visors (2) _____
Seat belts (2) PA approved _____
PA approved interior and exterior lighting _____

Mirrors: Inside rear view mirror _____
Swing-out recreational with bull's eye _____

Wipers: Intermittent windshield wiper with washers _____

Alarms: Factory installed burglar alarm with three (3) remotes and keyless entry _____
Backup alarm _____

SPECIFICATION NO. 2 (Cont'd)

2015 TRANSIT CARGO VAN (GASOLINE)

Required Options

- Air conditioning _____
- AM/FM radio _____
- Power steering _____
- Power brakes _____
- Heavy duty maintenance free battery 84 AMP _____
- Heavy duty alternator minimum of 130 AMP _____
- Summer/winter coolant installed (permanent type for 20 degree F. below 0) _____
- Hot water heater (3 speed) and defroster _____
- Emergency road kits _____
- Class 1 Trailer towing package _____
- Fire Extinguisher _____
- No rear glass in cargo area _____
- Power door locks _____
- Dome -cargo light kit _____
- 5 year 100,000 mile warranty _____

Gauges

(trouble lights not acceptable)

- Oil Pressure _____
- AMP Meter _____
- Water Temperature _____
- Fuel _____
- Tachometer _____

Body Protection

All standard options not specially listed above _____

SPECIFICATION NO. 3 FOR
2015 FORD F-550 DRW 4 X 4 (GASOLINE SUPER DUTY)

Chassis: F-550 Super Duty _____
165" Wheel Base _____
84" Cab to Axle _____

GVW Rating: 19,500 lbs. _____

Engine: 6.8 V10 _____

Axle, Front: 6,000 lbs. _____

Axle, Rear: 13,500 lbs. _____

Axle, Ratio: 4:88 limited slip rear _____

Transmission: Automatic 6 Sp. _____
Able to accept PYO _____
Manual locking hubs _____
4 Wheel Drive-manual shift _____

Brakes: 4 wheel disc anti-lock _____

Tires: (7) 225/70RX19.5 max traction _____
To include: mounted spare tire and rim _____

Paint: True blue _____

SAFETY OPTIONS

Interior: Air Bags (dual) with disabling switch _____
Bench seat HD vinyl, medium stone _____
Seat belts (2) PA approved _____
PA approved interior and exterior lighting _____
Cab lights _____
XL Décor Package _____
Manual telescoping with 2 way fold _____
Swing-out recreational with bull's eye _____

Wipers: Intermittent windshield wiper with washers _____

Body Protection

All standard options not specially listed above _____

SPECIFICATION NO.3 (Cont'd)

2015 FORD F-550 DRW 4 X 4 (GASOLINE SUPER DUTY)

Required Options

- Air conditioning _____
- AM/FM radio _____
- Sliding rear window _____
- Extra cooling capacity _____
- Power steering with tilt wheel _____
- Power brakes _____
- Heavy duty maintenance free battery 84 AMP _____
- Heavy duty alternator minimum of 115 AMP _____
- Summer/winter coolant installed (permanent type for 20 degree F. below 0) _____
- Hot water heater (3 speed) and defroster _____
- Heavy duty front springs _____
- Emergency road kits _____
- Fire extinguisher _____
- Heavy duty front and rear shock absorbers _____
- Snow plow package _____
- 40 Gal fuel tank _____
- Transmission cooler _____
- Integrated trailer brake controller _____
- 5 year 100,000 mile warranty _____

Gauges

(trouble lights not acceptable)

- Oil Pressure _____
- AMP Meter _____
- Water Temperature _____
- Fuel _____
- Tachometer _____
- Transmission Fluid Gauge _____

All standard options not specially listed above _____

SPECIFICATION NO. 4 FOR
CAB AND CHASSIS FOR
2015 FORD F-550 DRW 4 X 4 SUPER DUTY (GASOLINE)

MINIMUM

ALTERNATE
SPECIFICATIONS

Chassis: F-550 Super Duty _____
141" Wheel Base _____
60 Cab to axle _____

GVW Rating: 19,500 lbs. _____

Engine: 6.8 V-10 (Gasoline) _____

Axle, Front 6,000 lbs. _____
Axle, Rear 13,500 lbs. _____
Axle, Ratio Limited slip rear axle ratio 4:88 _____

Transmission: Automatic 6 speed _____
Able to accept PTO _____
Manual locking hubs _____
4 Wheel drive-manual shift _____

Brakes: 4 Wheel Disc Anti-lock _____

Tires: (7) 225/70RX19.5 max traction _____
To include full size mounted spare tire and rim _____

Paint: True Blue _____

SAFETY OPTIONS

Interior: Air Bags (dual) with disabling switch _____
Full bench seat vinyl trim and arm rests on doors, HD Vinyl, medium stone _____
Seat belts (2) PA approved _____
PA approved interior and exterior lighting _____
Cab lights _____
XL Décor Package _____

Mirrors: Manual telescoping with 2 way fold _____
Swing-out recreational with bull's eye _____

Wipers: Intermittent windshield wiper with washers _____

SPECIFICATION NO. 4 (Cont'd)
CAB AND CHASSIS FOR
2015 FORD F-550 DRW 4 X 4 SUPER DUTY (GASOLINE)

Required Options

- Air conditioning _____
- AM/FM radio _____
- Sliding rear window _____
- Extra cooling capacity _____
- Power steering with tilt wheel _____
- Power brakes _____
- Heavy duty maintenance free battery 84 AMP _____
- Heavy duty alternator minimum of 115 AMP _____
- Summer/winter coolant installed (permanent type for 20 degree F. below 0) _____
- Hot water heater (3 speed) and defroster _____
- Heavy duty front springs _____
- Emergency road kits _____
- Fire extinguisher _____
- Heavy duty front and rear shock absorbers _____
- Snow plow package _____
- 40 Gal. fuel tank _____
- Transmission cooler _____
- Integrated trailer brake controller _____
- Upfitter switches—4 _____
- 5 year 100,000 mile warranty _____

Gauges

(trouble lights not acceptable)

- Oil Pressure _____
- AMP Meter _____
- Water Temperature _____
- Fuel _____
- Tachometer _____
- Transmission Fluid Gauge _____

All standard options not specially listed above _____

SPECIFICATION NO. 5
6 TON ALUMINUM ROLLBACK W/STAKESIDE KIT

- BODY CONSTRUCTION:** Body must be of aluminum construction. 20' long x 8 ½' wide with outside stake pockets With rubrail. A deluxe Headboard with locking chain racks. Bed must be 10,000 lb. capacity. Bed must have Interlocking aluminum extruded decking with reinforced low profile tapered approach tip With stainless steel wear strip. There must be eight (8) keyslot tie downs made into bed. Install ten (10) D-ring tie downs on bed.
- SUB FRAME :** Galvanized steel beam deck sub frame with 6 X 12 lb./Ft. steel main deck beams.
- HYDRAULIC SYSTEM:** Transmission mounted PTO with electric shift and direct mount hydraulic pump. System and tank must be able to operate both rollback and Gormach Crane. Dual hydraulic counterbalance locking valve on deck tilt function. System overload protection. Hydraulic reservoir with integrated oil level temperature gauge and hydraulic supply and return filtration. All valves and hoses and controls to operate bed and crane.
- ELECTRICAL:** All wiring must be in weather resistant harnesses and connectors. All lights must be LED and PA. legal. Install class A backup alarm.
- EMERGENCY LIGHTING:** A Whelen Towmans Edge 8 strobe light bar, model WB 628A. Six LED work lights, two on Headboard, two at winch, and two under rear of bed. Four strobes, one at each corner of Truck. All connected to an in-dash switch panel.
- STORAGE:** Two 60" long X 18" X 18" stainless steel toolboxes with adjustable shelves and door actuated LED toolbox lights. Two storage baskets, 29" long X 24" wide X 19" deep with stainless steel lids.
- WINCH:** Deck mounted 10,000 lbs. hi speed worm gear with remote free spool release. 7/16 X 56 cable with roller guide and cable tensioner.
- CRANE:** Remove Gormach Crane model 8700E4 from 1999 Sterling Truck and install between cab and bed. Must be installed according to Manufacturer's specification and must be connected to truck hydraulic system and fully functional.
- MOUNTING:** Must be mounted on a 2015 Ford F-750 or equal truck cab and chassis. 260" wheelbase.
- HITCH:** DOCK STABILIZER: REAR DOCK STABILIZER WITH REESE HITCH.

SPECIFICATION NO. 6
UTILITY BODY FOR 49 FT. AERIAL LIFT

UNDERSTRUCTURE

Front cross member – 7 gauge commercial grade steel channel – floor width. Rear cross member 7 gauge commercial grade steel full width channel cross members fore & aft of the wheelhouse panel.

Intermediate Cross Member: (1) Front floor width 12-gauge commercial grade steel

Center Frame Reinforcement: (2) 12 gauge commercial grade steel channel-full-length longitudinal reinforcements

Mounting: Must be able to mount 49' aerial bucket lift, model DTAX 44 or equal. Body must be mounted on 2015 Ford F-550 Super Duty 19000 GVW.

Floor: 12-gauge safety tread plate steel

Doors: Double panel construction a-60 2-sided galvanized steel. Exterior panel 18-gauge 1-60 2-sided galvanized steel. Interior panel 20 gauge 60 2-sided galvanized steel, must be one piece integrally formed with over bend to channel water to sides away from compartment interior. Plated chain supports on all horizontal doors. Perimeter flange mounted. Automotive type door seal. Multiple piece inner door reinforcements not acceptable.

SPECIFICATION NO. 6 (Cont'd)
UTILITY BODY FOR 49 FT. AERIAL LIFT

LOCKS

Lock cylinders must be guaranteed for life of body. Rotary paddle type latches made of corrosion resistant g90 zinc coated steel flush mounted (riveted into doors, min. 8 rivets). Master compartment lock rod full length each side with rear padlock. Rear master lock handles must be rotary type stainless steel.

FENDER PANEL

To have form wheel opening with no additional pieces. Fender panel mounting edges to be concealed in compartments.

DOOR HINGES

Machined billet from solid stainless steel.
5/16" diameter electro-zinc steel

Each removable stainless steel hinge bracket includes (1) type 316 stainless steel bushing insert
Securely bolted in place (rivets, weld on hinges or continuous hinge not acceptable)

STRIKER PLATES: (ADJUSTABLE)

2-stage safety catches (all doors)

BODY SIDE COMPARTMENTS AND ROOF

14-gauge a-60 2-sided galvanized steel

FRONT BULKHEAD

16-gauge a-60 2-side galvanized steel solidly welded in place. Die-formed reinforcing ribs full width

DIMENSIONS

Body length	132"
Vertical Compartment depth	20"
Vertical Compartment height	37 1/2"

Vertical Compartment length	26"
Horizontal Height	16"
Horizontal Length	75"
Horizontal Bottom Height	16"
Horizontal Bottom Length	25"

Compartment configuration

Left side front	Adjustable Shelving
Left side center	Roll out tray
Left side rear	Adjustable shelving
Right side rear	Hooks for hoses & cords
Right side center	Roll out tray
Right side front	Adjustable Shelving

SPECIFICATION NO. 6 (Cont'd)
UTILITY BODY FOR 49 FT. AERIAL LIFT

Inquiry Number 8749 - 1
Sheet Number 25 OF 34

SHELVING

18-gauge G60 minimum spangle galvanized steel removable lock in place
Slotted on 2-inch center for divers

PAINT

Complete unit exterior to be painted to match cab. PPG concept bc/cc. All interior compartments and cargo area to be powder coated white for durability and visibility

ELECTRICAL

All lighting to be LED DOT approved under current standard. All wiring to be soldered and in shrink tubing.

RUNNING BOARDS

Full-length 3/16" aluminum tread plate-running board to be installed with front and rear splash shields.

LITERATURE

Complete body drawings to be submitted with bid, along with descriptive literature on body, rack, alarm system.
Failure to do so will result in rejection of bid.

COMPLETE LAYOUT AND CONSTRUCTION DETAILS TO BE SUBMITTED WITH BID

DURALIFT DTAX-44 BID SPECIFICATIONS

GENERAL:

The following specification is for an insulated telescopic and articulating aerial personnel lift. The unit shall be the latest current model of standard design manufactured, complete with all standard equipment, special tools and warranties. Bidders are to supply the latest printed literature and detailed specifications on equipment the bidder purposes to furnish.

The Aerial Personnel Lift must be designed and all components selected and used according to sound engineering principles. All completed units shall comply and be tested in accordance with all applicable O.S.H.A. ANSI, FMVSS standards and regulations. The specifications listed below shall be considered minimum requirements.

Any exception must be noted on a separate sheet and be identified by section.

MANUFACTURER AND MODEL NUMBER:

Indicate manufacture and model number of the aerial device quoted. _____

CHASSIS DATA:

The chassis shall be a minimum 17,500 lbs. G.V.W. R., 7,000 lbs G.A.W.R Front Axle with a 84" minimum cab to axle, and dual rear wheels. The chassis charging system must be adequate to meet the requirements of the specified equipment.

Comply: _____

GENERAL DATA:

Working Height, Minimum	DTAX-44
Horizontal Reach	49'
Approx. Stowed Travel Height:	30'
Extension Boom Travel:	10'
Main Boom Travel:	120"
Articulating Boom Travel:	-25° to +78°
Basket Capacity:	0° to +80°
Installed Weight (Approx.):	350 lbs.*
	2750 lbs
	Comply: _____

The completed unit shall be certified as passing A.N.S.I. A92.2 stabilization tests and successful bidder shall demonstrate these capabilities upon delivery.

Comply: _____

SLIM LINE H-FRAME OUTRIGGERS W/ SUBFRAME:

Hydraulic activated outriggers shall be attached to the frame of the chassis between the cab and the body. A subframe attached to the frame of the truck shall secure the outriggers and the aerial lift to form one integral mount. The outriggers shall have a minimum vertical travel clearance of 18". The outrigger legs shall consist of inner and outer telescoping structural tubing. Adjustable, polyethylene wear pads, to prevent wear and vibration during road transport shall center the inner and outer tubes.

The hydraulic cylinders shall be double action heavy duty welded with threaded end caps for maximum safety. The piston is to be made of aluminum with square bi-directional seals made of polyurethane material and a highly polished chrome finish shaft. Holding valves shall be attached to each cylinder to prevent creep and to lock cylinders in case of line failure.

A manual diverter valve directs flow from the lift to the outriggers. Controls for each cylinder will be supplied and mounted at the rear of the chassis so the outrigger legs can be seen when in use.

Comply: _____

OUTRIGGER PADS AND HOLDERS

1 set of 18" X 18" outrigger pads.

1 set of aluminum outrigger pad holders, each holding 1 18" X 18" outrigger pad, one mounted under each front vertical compartment. The outrigger pad holders are to be built to prevent dirt from accumulating in the bottom of the holders.

Comply: _____

MAIN BOOM:

The main boom shall be constructed of 6" X 8" rectangular high strength steel tubing. The section of the main boom that houses the internal cable track shall be expanded to 6" X 12" to allow the hoses and cable track to operate above minimum bend requirements. The minimum travel shall be from 25° below horizontal to 78° above horizontal. The 25° below horizontal movement of the main boom shall allow the operator to place the end hung or side hung basket on the ground to reach the rear tailshelf, and to allow access to the rear compartments of the body without leaving the basket.

The upper and lower support wear pads must be of 1/4" thick UHMW polyethylene. Side support wear pads must be threaded adjustable wear pads made of UHMW polyethylene. Wear pads must be replaceable without disassembly of boom sections.

Comply: _____

EXTENSION BOOM:

The inner boom shall be made from 5" x 7" fiberglass tubing. The inner wear pads must be of threaded adjustable UHMW polyethylene. A hydraulic cylinder shall accomplish the telescopic action of the extension boom. The use of chains or cables to extend is not acceptable. A polyethylene sleeve shall be placed over the basket end of the extension cylinder to increase the distance of dielectric integrity. The polyethylene sleeve shall be certified for 50KV.

Comply: _____

ARTICULATING ARM:

The Articulating arm shall be made from 6" x 6" square high strength steel tubing. The articulating arm movement shall be from 0° to +80° from horizontal. The articulating arm shall be compensating in design to maintain constant main boom angle during the elevation of the articulating arm.

Comply: _____

PEDESTAL:

The pedestal shall be a structural box shape and include the hydraulic reservoir, electrical and hydraulic components. An adequate opening shall be provided by a door or cover to allow access to the internal components. A hydraulic reservoir fill indicator shall be clearly visible and labeled to indicate the condition of the oil level. The pedestal shall be machined flat for installation of the shear ball rotation bearing. The pedestal structure must be of a single piece design and bolted directly to the lift subframe. Risers and spacers are not acceptable.

Comply: _____

TURNTABLE:

The turntable shall be constructed of high strength structural plate. The turntable shall be designed to resist all torque loads. All pivot points for the booms and cylinders shall be line bored to allow for proper alignment.

A 17" diameter shearball rotation bearing is required. Bearing races shall be heat-treated and sealed to prevent entry of dirt and moisture and be equipped with readily accessible pressure (zerk) lubrication fittings. The rotation shall be driven by a worm gear, reduction gearbox. A means of adjustment shall be included to provide for proper gear backlash. The rotation system will be self-locking in the event of hydraulic failure. The input shaft shall be machined with an extended hexagon design to allow for manual rotation. Rotation will be 370° non-continuous and shall be limited by an electrical limit switch. Mechanical stops are not acceptable.

Comply: _____

BOOM SUPPORT:

A boom support shall be provided to support the aerial lift booms in the transport position. An over-center clamping device, shall secure the booms to the support for road transport.

Comply: _____

HYDRAULICS & CONTROLS:

The hydraulic system shall be designed as an open center hydraulic system. All hydraulic components including the 10-gallon hydraulic reservoir shall be housed within the aerial lift pedestal. The reservoir must be equipped with a drain plug, filler cap, air filter vent, sight level gauge, baffle system and shut-off valve at the outlet. A 10-micron return filter shall be installed as close to the reservoir as possible and must be accessible for maintenance. A pressure relief valve must be built into the system to prevent overload. The pressure relief must be set at 2250 P.S.I.

Aerial device shall be equipped with basket and turntable mounted control stations. Individual control levers at both the upper control station and the lower control station shall automatically return to neutral position when released.

The controls shall use full pressure proportional hydraulic valves. In order to prevent inadvertent actuation of the boom position controls at the basket, the use of an unlocking device shall precede the use of the control itself and shall be maintained simultaneously during the use of the controls. When either control is released, boom movement stops and oil flow is redirected to the reservoir. The basket mounted control station shall permit the operator to control all boom movement; chassis start and stop controls, and emergency backup functions.

The turntable mounted lower control valve overrides the upper control valve. It shall be capable of maintaining override of the upper control valve while unattended.

The aerial lift shall be powered by a hydraulic pump, which produces up to 5 GPM. The hydraulic system will also include a 12-volt D.C. emergency backup system. The D.C. motor and pump delivers 1.4 GPM.

All hydraulic hoses shall be placed within a cable track located inside of the main boom. Hoses shall be protected against abrasion, twisting, and normal wear.

Hydraulic hoses shall have a 4 to 1 safety factor from operating to burst pressure.

Comply: _____

JOYSTICK CONTROL

A one-hand, 4 axis joystick control with trigger activation will be used to operate the upper controls. Boom movement cannot occur if the trigger is not activated. With the booms stowed in the rest, the control handle is oriented so the operator will operate with the joystick handle in the right hand when facing away from the truck. Pulling up on the joystick handle is to raise the booms. Pushing down on the joystick is to lower the boom. Pulling the joystick back is to retract the extension boom. Pushing the joystick forward extends the extension boom. Pushing the joystick to the right or left rotates the booms. Twisting the joystick handle clockwise and counterclockwise raises and lowers the articulating arm.

Comply: _____

UPPER CONTROL LOCKOUT:

An upper control valve lockout shall be available for the basket-stow and rotation valve section. The lockout requires releasing a mechanical lock prior to the movement of the valve handle allowing a one hand operation.

Comply: _____

TOOL CIRCUIT AT BASKET:

A hydraulic tool circuit shall be provided at the upper control station. Activation must disable all boom functions to prevent inadvertent movement.

Comply: _____

HYDRAULIC CYLINDERS:

The main boom double action lift cylinder shall have a minimum 3-1/2" bore. The extension boom double action cylinder shall have a minimum 2" bore. The articulating arm double action cylinder

shall have a minimum 4-1/2" bore. Holding valves shall be attached to each cylinder to prevent boom creep and to lock the cylinders in the event of line failure. Hydraulic cylinders shall have welded and threaded end caps for maximum safety. Piston shaft shall be highly polished chrome finish. Comply: _____

BASKET:

The basket shall be a 24" X 30" X 42" square molded fiberglass. Entry is gained by an inner/outer molded step. The basket shall be completely enclosed and shall not have any holes for drainage or otherwise. The basket shall be automatically leveled as the main boom raises. The hydraulic basket leveling shall incorporate two enclosed loop, leveling cylinders, and appropriate valving. A control valve to stow/trim the basket shall be located at the upper and lower controls. The upper control basket stow requires simultaneous activation with the locking valve to prevent inadvertent movement. A hydraulic basket rotator shall rotate the basket 180° about the end of the boom from curbside to streetside. A control valve located at the upper controls shall control the rotation. The basket shall stow in the end hung position to allow maximum clearance to the cargo area. The basket shall be supported by a rubber type tube cushion to allow for additional basket support while in transport. Comply: _____

BOTTOM MOUNT BASKET

The basket shall be a rotating bottom mount basket allowing the operator to work up and under the aerial work site. The bottom mount rotating basket has a rotating manifold with a solid rotating member. Comply: _____

BASKET LINER (24" X 30")

A basket liner shall be provided to fit inside of the fiberglass basket. The liner shall be designed to be supported by the bottom of the basket. The liner should include a lip that fits over the top of the fiberglass basket to prevent sharp objects from lodging between the basket and the liner. The basket liner shall also have a molded integral step inverted inside of the liner to assist in basket entry/exit. The basket shall be certified to 50KV minimum. Comply: _____

VINYL BASKET COVER: (24" X 30")

A basket cover shall be provided that completely covers the top molded lip of a standard 24" X 30" X 42" basket. The cover must be of a good quality vinyl material and shall include an elastic cord or band to keep the cover secured to the basket. A strap with latching hook shall be permanently attached to the cover to allow for securing to the boom tip, preventing accidental loss. Comply: _____

FULL BODY HARNESS: (Supplied with the lift)

A full body harness made of 1 3/4" type 13 nylon webbing. Shoulder straps have friction slide adjuster. The waist and chest straps use friction-style buckles for positive securement. Leg straps have tongue and buckles with grommeted holes. A 4' X 1/2" nylon-filament rope lanyard with double latching hooks is provided. Comply: _____

4 corner LED surface mount strobe lights mounted to the front and rear corners of the mounted unit.

2 surface mount LED strobe lights to be mounted above each side rear wheel well.

An LED arrow signal bar shall be located at the rear of the mounted unit. The arrow bar must be located and protected in a recessed compartment in the tail-shelf or on top of the tailshelf, guarded and protected from damage. The controller shall be located in the cab.

Two LED Cargo Lights mounted onto pedestal mounted light bar and directed at the cargo load area.

Two LED trapezoid back-up lights shall be installed, one on each side of the tail shelf. The back-up lights must be pointed at a 45 degree angle horizontally rear ward and direct light down to the ground. The lights must be recessed under the tail-shelf, to protect from impact damage.

Strobe lights, cargo, compartment and backup lights to be hot without chassis key switch activated.

NOTE: Power source provided by PTO, Fan Belt, Engine Generator and Pump meeting our requirements are not included with the lift. These items should have specifications entered to meet customer and dealer preference.

NOTE: Specifications are + or - 2%.

NOTE: Because of continuing efforts to improve our products, specifications are subject to change without notice.

SPECIFICATION NO. 7 FOR

DUMP BODY SNOW PLOW & SALT SPREADER

Body Construction:

Body shall be of all aluminum construction 9' long inside x 96" wide outside. Sides to be 14" high x 3/16" thick alum. Construction with integral vertical box braces and full ht. Front and rear corners. Gate to have flush type top hardware and offset lower hinges with manual latch controls. Latch hardware to be adjustable and be equipped with lube fittings at all moving points. Nylon covered spreader chains to be supplied. Full cab protector to be integral with front panel and incorporate a 16" deep, top access storage compartment with top opening lid. Front panel to have integral formed reinforcements with no add on braces. Lid to have gas spring props. Rear corners to have full ht. Board pockets along sides and recessed pocket across rear. Floor to be 1 piece 1/4" aluminum over 3" structural I-beam cross members on 12" centers. Body to be equipped with safety bed prop, body up indicator, front splash shields, all legal lights and reflectors. All wiring to be in weatherproof conduit with weather tight connectors. All fasteners to be stainless steel or aluminum. Body rear corner posts to have high mounted stop/turn/tail and amber safety strobes.

Hoist:

To be single cylinder double acting telescopic with NTEA class 20 rating. Hoist to have 11 3/8" mounting height with 1" rubber landing pads. Rear hinge pin to be 1 piece full width 1 1/2" solid steel with lube bushings.

Hydraulic System:

Fan belt driven hydraulic pump to be rated at 9gpm at 1000 engine rpm with dash mounted switch. Oil Reservoir to be aluminum minimum 25 gal capacity with sight and temp gauge. 25 micron return line filter and in tank suction strainer. Suction line to be 1 1/2" with shut off. Pump to be cast iron with tapered input shaft supported by roller bearings.

Flow from the unloading valve shall be directed to a 50/50 type pressure compensated fixed flow divider. This flow divider shall provide full flow to the spreader when activated and 50% flow to dump body when required. Use of adjustable flow controls or an additional valve is unacceptable.

Main directional control valve shall be installed between the frame rails behind cab. This valve shall be controlled with weatherproof cables and floor mounted levers. Cables and levers shall be quadro or equal single axis remote type using low friction marine Teflon and nylon sheathing and stainless cables. Cables to be rated at 400 lb. + pull capacity. Lever housing to be die cast alum.

Spreader valve shall have electronic auger and spinner control capability. Valve to be integrated into the dump control so as not to expose operator/passenger to hoses in the cab.

Spreader hoses to be routed securely through frame rails avoiding exhaust and drive line. Quick connect ports to be mounted to rear hitch plate. Quick connects to be Aeroquip 5600 series using min size - 10 fittings.

Electrical:

Class A backup alarm with min. 112dB level to be mounted at rear. Flush mounted sealed strobe heads to be mounted at 4 corners of body to provide 360-degree signal and be connected to a single power source. Electric brake control and 7 prong rear connector to be installed as per customer location. Two rear under bed mounted sealed beam spreader lights to be installed with lighted dash switch. All electrical functions to be controlled through dash mounted console (wired Rite or equal) using switches with integral circuit breakers. All legal running lights including stop/turn/tail and markers to be LED type.

SPECIFICATION NO. 7 (CONT'D.)

Accessories:

Under bed aluminum toolboxes to be installed on each side. Boxes to be 36" long x 18" x 18" constructed of 1/8" material and fitted with stainless steel latches and hinges. Hitch plate to be min. 1/2" steel and be fitted with class III receiver, 2" and 2 5/16" combination pintle hook and chain eyes. (Bolt on receiver tube not acceptable-must be welded into hitch plate. Rear access steps at either side behind rear wheels. Running boards cab length, 3/16" aluminum tread plate to be installed with front and rear splash shields to match existing trucks.

8-1/2 FT. SNOWPLOW & SALT SPREADER

To be Western Ultramount Pro-Plus or equal with fully detachable plow assembly, isolated modular electrical feature, multi stage powder coated components and hand held cab control. Blade assembly to have full width tubular reinforcement and heavy duty tubular steel quadrant structure with a 3" tubular A-frame and 1" pivot. Optional backdrag edge to be installed. Blade height to be min 31" and 12 gauge construction with 4 trip springs and 2 shock absorbers. Blade to have min 8 vertical ribs and 1 1/2" x 12" angling cylinders. Replaceable cutting edge to be 1/2" x 6".

Under Tailgate Spreader

- | | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Trough | 10 gauge 304 stainless steel
96" long
18" deep
Trough floor to be hinted for easy cleanout |
| Cover Plate | 10 gauge 304 stainless
Full width hinged allowing materials to flow over top when closed. Must operate with one person and No tool required. |
| Auger | Must be 6 3/8" O.D. with 4" pitch constructed of 2 3/8 heavy duty tubing
Must be mounted in a 1 1/4 self aligning two bolt flange sealed bearing |
| Auger Drive | Must be driven through a replaceable shaft mounted directly to a hydraulic motor |
| Motor | Hydraulic type equal to char-lynn model 101-1008 |
| Anti Flow Plate | Made of 10 gauge 304 stainless & 20 x 10 in size |
| Spinner | Hydraulic type with quick coupler hoses
Disc to be poly type |
- MountingThe entire unit must mount to outside of dump body with single pin on each side

SPECIFICATION NO. 8
8 FT. STAINLESS STEEL GASOLINE HOPPER SPERADEER

Spreader:

Material Hopper: Solid welded 16ga. stainless steel end panels with 45 degree sloped sides. Sides to each have two (2) 12 gauge vertical supports. Floor and sills to be 12 gauge. stainless steel. Capacity to be 1.7 cu yds. Hopper side height not to exceed 31-1/2". Width to be 54" at the top and 13" at the bottom.

Conveyor: to be 12" side pintle chain with 3/16" x 3/4" crossbars adjustable up to a 3-1/2" range. Shafts to be min 1 1/8" diameter solid steel riding in HD self aligning bearings. Drive gear case to be cast iron with hardened steel worm and aluminum/bronze worm gear. Ratio to be 20: one (1) with 1" input and one (1) with 1/8" output shafts running in tapered roller bearings.

Spinner Chute: to be 14 gauge. stainless steel with 12" stainless steel disc on a 3/4" shaft. Adjustable extra wide deflectors to allow a 2' to 25' spread radius.

Drive: conveyor and spinner to be driven by a 10 HP Gasoline engine with remote in-cab controls.

Weight: complete empty weight of spreader assembly not to exceed 750 lb.

Snow Plow - 8 ft.

To be Western Ultramount Pro-Plus or equal with fully detachable plow assembly, isolated modular electrical feature, multi-stage powder coated components and hand held cab control. Blade assembly to have full width tubular reinforcement and heavy duty tubular steel quadrant structure with a 3" tubular A-frame and 1" pivot. Optional backdrag edge to be installed. Blade height to be min 31" and 12 gauge. construction with 4 trip springs and 2 shock absorbers. Blade to have min 8 vertical ribs and 1 1/2" x 12" angling cylinders. Replaceable cutting edge to be 1/2" x 6".