



LEGAL NOTICE

**REQUEST FOR BID
SEALED BID 11-008**

For

Single Axle Dump Truck

For

**ST. CHARLES COUNTY GOVERNMENT
ST. CHARLES, MISSOURI**

St. Charles County is seeking bids for **Single Axle Dump Truck**. The county reserves the right to terminate the contract for any violation, by the successful bidder, of any term or condition of the contract by giving thirty (30) days written notice stating the reasons therefore and giving the party time to remedy any deficiencies.

BID INSTRUCTIONS

One original and one [1] signed copies of the bid must be received in a sealed envelope plainly marked “**11-008 Single Axle Dump Truck**” with the date and time of the bid opening in the lower left corner of the envelope.

An authorized representative of the company/person submitting the bid must sign the bid, in blue ink.

Bids must be submitted to the St. Charles County Finance Department, 201 North Second Street Room 541 St. Charles MO 63301 prior to the bid opening.

Bid opening will be on 1/19/2011 at 10:00 AM , in **Room 537** of the St. Charles County Administration Building, 201 North Second Street, St. Charles, MO 63301.

St. Charles County reserves the right to accept and/or reject any and all bids.

Bid results may be obtained by emailing a request to the St. Charles County Purchasing Manager at purchasing@sccmo.org, **no phone calls please**. Include the name and number of the bid and date of the bid opening when requesting the results. The time it takes for final bid results to be made public depends on the complexity of the project and the cost of the project.

BID INQUIRIES

Any questions or clarifications concerning this Request for Bid must be submitted in writing via E-mail (preferred), mail or fax to:

Rick Hooker, Purchasing Manager
St. Charles County Government
Finance Department
201 North Second St
St. Charles, Missouri 63301
Fax: (636)949-7589
purchasing@sccmo.org

- The bid number and title shall be referenced on all correspondence.
- All questions must be received no later than **5:00 PM** on **01/13/2011**. Any question received after this deadline may not be answered.

Responses to questions/clarifications will be placed on the County's website www.sccmo.org/businesses/. Check this website frequently for updates and any addendum that are issued.

TERMS AND CONDITIONS

- St. Charles County reserves the right to reject any and all bids or parts of a bid and waive technicalities, and to adjust quantities.
- All bids will be considered final. No additions, deletions, corrections, or adjustments will be accepted after the time of bid opening.
- All delivery costs or charges must be included in the F.O.B. destination bid price.
- City, County and State of Missouri Sales Tax and Federal Taxes are not applicable to sales made to St. Charles County and must be excluded.
- The contract shall be effective for the approximate twelve (12) month period from the date of the notice of award.
- The electronic version of this bid/RFP is available upon request. The document was entered into WORD for Microsoft Windows. The Purchasing Office does not guarantee the completeness and accuracy of any information provided on the electronic version. Therefore, respondents are cautioned that the hard copy of this bid/RFP on file in the Purchasing Office governs in the event of a discrepancy between the information contained in or on the electronic version and that which is on the hard copy.
- Vendors are required to clearly identify any deviations from the specifications in this document.
- An authorized officer of the company submitting the bid must sign all bids, in blue ink.
- Vendors must submit two [2] signed copies of their bid; one is to be an original and so marked.
- All prices and notations must be in blue ink or typewritten on the attached form. Mistakes must be crossed out, corrections typed adjacent and must be initialed in blue ink by the person signing the bid.
- St. Charles County will not award any bid to an individual or business having any outstanding amounts due from a prior Contract or business relationship with the County or who owes any amount(s) for delinquent taxes, fees or licenses.
- Sealed proposals received after the designated time of the receipt of the sealed proposals will be considered as "No Bid" and "Void" and will not be opened.
- The successful bidder is specifically denied the right of using in any form or medium the names of St. Charles County or any other public entity within the St. Charles County for public advertising unless express written permission is granted.

- All bidders must possess the necessary and appropriate business and/or professional licenses in their field.
- Award will be made to the low responsive, responsible bidder, or to the offeror whose proposal is most advantageous to the County, price and other factors considered. When payments are to be made to the County, award will be made to the most advantageous offer.
- County reserves the right to accept any item or group of items offered, unless the bidder qualifies his bid by specific limitations. The bid can be on an "all or none" basis if wording in the bid so states and if all items solicited are included in the bid.
- When applicable, provide unit prices and extension prices. Where there is disagreement in the unit and extension prices, the unit price shall govern.

Open Records

Any and all information contained in or submitted with the bid becomes a public record subject to the Missouri Sunshine Law when the bids are opened. If the bidder believes that any information contained in or submitted with the bid is protected from disclosure by the Missouri Sunshine Law, the bidder must clearly identify what information the bidder believes is so protected and must also clearly identify the legal basis therefor.

BID SPECIFICATIONS

St. Charles County is seeking bids for **one (1) Single Axle Dump Truck** for the Highway Department.

Unless otherwise specified, any manufacturers' names, trade names, brand names, information and/or catalog numbers listed in this specification are descriptive, **not restrictive**. The bidder may offer any product that meets or exceeds the applicable specifications. The bidder must demonstrate comparability, by including appropriate catalog materials, literature, specifications, test data, etc. **The County shall determine in its sole discretion whether a product is acceptable as an equivalent.**

Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
A. GENERAL				
1)	Minimum chassis & body specifications for 35,000 lb. G.V.W.R. single axle dump trucks			
2)	Stationary grill			
3)	Tilting fiberglass front end			
4)	Three trucks will be bid with corrosive resistant Corten steel and the fourth will be bid with a stainless steel bed.			
B. ENGINE				
5)	Diesel engine List Make & Model			
6)	Minimum 260 HP @ governor 2400 RPM			
7)	Minimum 800 lb ft of torque @ no more than 1400 RPM			
8)	Air to air intercooler			
9)	1250 watt engine block heater			
10)	Engine alarm system (oil, water, etc.)			
11)	Intake manifold cold starting equipment			
12)	Electronic cruise control			
13)	Thermostatically heated fuel/water separator and fuel filter in a single assembly, w/warning light			
14)	Spin on type oil filter			
15)	Equipped with a 12 volt starting motor			
16)	Main panel circuit breakers with trip indicators except on 5-amp fuses			
17)	Equipped with a data link connector in the cab			
18)	Dual element air filter w/snow separation module			
19)	Equipped with an expanded engine temperature effects			
20)	The units shall be bid with a front mounted hydraulic pump, for snow plow and spreader applications with hydraulic shut-off by-pass			
21)	12 volt 140 amp minimum low turn on speed alternator			

	system			
22)	Three (3) maintenance free batteries 1950 CCA total			
23)	Two (2) electric horns and one (1) air horn			
Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
24)	The exhaust system shall be a single horizontal Diesel Particulate Filter (D.P.F.) device frame mounted on the right side, no D.P.F. will be allowed behind the cab. The unit will have a vertical exhaust pipe that is mounted no farther than 2" behind the cab.			
C. TRANSMISSION				
25)	Allison World transmission 6 - speed M.D. 3000_RDS_P, close ratio, with double overdrive, on/off highway including oil level sensor			
26)	Magnetic oil pan plug			
27)	Transmission oil cooler			
28)	Push button two (2) mode type control, mode one (1) performance and mode (2) snow plow mode			
29)	Spare input/output for rugged duty service on the transmission			
D. WIRING				
30)	Body builder wiring to the rear of frame with sealed connectors for all bed functions, including right/left stop and turn lights and tail lights.			
31)	Equipped with a seven (7) round pole electric trailer brake/lights package to the rear of the frame for all trailer functions. (Wiring to trailer lights and brakes to be for combination style lights not separate for stop and turn)			
32)	Equipped with auxiliary snowplow headlights and turn signal. If factory installed snowplow lights, or a suitable factory installed bracket is available, it may be submitted for approval. The County must pre-approve any bracket before production begins:			
33)	a. Front auxiliary halogen headlights shall be Truck-Lite model 645			
34)	b. Auxiliary headlights shall not obstruct the driver's vision, and be mounted approximately 64" from ground level, and at approximately the same width apart as truck's headlamps			
35)	c. Light shall be secured to a fender mounted, 3-point assembly bracket. Bracket shall be made from stainless steel			
36)	d. All fasteners attaching the bracket to the fender shall be stainless, and be secured using locknuts			
37)	e. Reinforced rubber washers or grommets shall insulate the bracket from the hood. Fasteners attaching the bracket to the hood shall be insulated from the hood by a 2-inch			

	minimum diameter rubber washer or grommet and 2-inch minimum diameter plated washer			
38)	f. Auxiliary headlights shall be grounded back to chassis ground; minimum 14-gauge wire shall be used. Drill holes to accommodate wire size			
Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
	E. CHASSIS			
39)	Wheel base of 160 inches with a cab to axle length of 84 inches with a set forward axle or a larger axle to accommodate the capacity requirements and an axle to frame length of 39 inches. The axle to front shall not exceed 32" from the front of the grill. The A.F. shall be 55" minimum			
40)	Heat treated single frame rails of 120,000 psi, and a minimum of 2.5 million RBM			
41)	Swept back bumpers constructed of steel			
42)	20 inch integral front frame rail extension with a cross member for front pump mounting. Bolt-on extensions are not acceptable			
43)	A heavy duty snow plow hitch shall be installed on the front frame extensions using 1/2" cheek plates and grade 8 bolts. The hitch shall have three sets of vertical holes on 30-1/2" centers. This shall be a low profile hitch with fold down telescopic lift arm and a single acting 3" lift cylinder. The installation of the hitch shall allow for full tilting of the cab without it coming into contact with the hitch			
44)	The front axle shall be a Meritor (or equal) wide track, I-Beam type with a capacity of 14,000# with a set forward axle or a larger axle to meet requirements			
45)	The front suspension shall be a parabolic, taper leaf spring with shock absorbers and front auxiliary rubber springs			
46)	The front spring pins shall be maintenance free rubber bushings			
47)	The rear axle shall be a Meritor (or equal) single reduction unit with a 21,000# capacity			
48)	The rear axle shall have a magnetic rear drain plug			
49)	The rear suspension shall be a single vari-rate system with a capacity of 23,000#			
50)	The rear end shall have a multi-leaf auxiliary springs with a capacity of 4,500#			
	F. BRAKE SYSTEM			
51)	Dual air system brakes			
52)	Front and rear dust shields			
53)	Two (2) instrument panel located air gauges			
54)	Instrument panel located parking brake valve			
55)	Front and rear automatic slack adjusters			

56)	Full Bendix or equal ABS system			
57)	Bendix or equal air dryer system			
58)	The front brakes shall be 16.2" x 5.0" with 20" chambers			
59)	The rear brakes shall be 16.5" x 7.0" with long stroke chambers and heavy duty spring actuated parking brakes			

Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
60)	The air compressor shall be a Bendix or equal unit with a capacity of 13.2 CFM			
	G. CAB: (The cab shall have at a minimum the following items):			
61)	Two (2) arm rests one on each door			
62)	Flush mounted LED clearance markers			
63)	Black floor coverings			
64)	All tinted windows			
65)	Power windows			
66)	Heated windshield			
67)	Pillar mounted interior grab handles on both sides			
68)	Two (2) steps per door			
69)	Gauge cluster: electronic engine oil pressure, water temperature, fuel, tachometer, voltmeter, also a washer fluid level gauge, an odometer display, an Allison oil temperature gauge and an on-board diagnostic display of fault codes, road speed wire coiled under the instrument panel for customer use			
70)	Warning system that consists of; Low fuel, low oil pressure, high engine coolant temperature and low battery voltage			
71)	The driver seat shall be an air suspension, vinyl, isolated, two (2) position front cushion adjustment high back with integral headrest, with back adjustment and lumbar support			
72)	The passenger seat shall be a non-suspension, vinyl, high back integral head rest with fixed back			
73)	Both seats shall have an orange 3-point lap and shoulder seat belt			
74)	Two (2) each rectangular 7.0" x 14.0" breakaway, bright finish heated mirrors and convex. The temperature shall be thermostatically controlled			
75)	Air conditioner with integral heater and defroster			
76)	Fresh air filter for the HVAC			
77)	Full length driver side storage pocket			
78)	AM/FM radio w/ weather band			
79)	Two (2) padded vinyl sun visors			
80)	The cab shall have an air bag type rear suspension			
81)	D.P.F. override switch			
82)	Single motor intermittent wipers and washer			
83)	Wipers go to slow position when parking brake is engaged, and headlights will be on when wiper is engaged			
84)	Left side mounted under cab aluminum fuel tank with a			

	capacity of 50 gallons			
85)	Include an electric brake controller capable of operating a minimum of 4 wheel brakes.			
Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
86)	Shall be School Bus Yellow color or equivalent			
	H. TIRES			
87)	22.5" front and rear disc painted steel wheels, 10-stud hub piloted			
88)	Front and rear wheel oil lubricated wheel bearings and seals			
89)	11R22.5 XZE Michelin 501 rev/mile, load range G, 14 ply front tires or equivalent			
90)	11R22.5 XDA-HT Michelin 495 re/mile, load range G, 14 ply rear tires or equivalent			
	I. TRUCK DUMP BODY			
91)	A copy of the complete bid specs must be sent to the bed company to assure complete compliance by both companies of the bid. The body must meet or exceed the following specifications			
92)	10' x 7'- 5 Cu. Yd. rating with 6 Cu. Yd. tailgate			
93)	The body shall be a "Western" style without crossmembers and vertical braces. The floor, tailgate and longsills shall be 3/16" and the balance shall be 10-gauge. Corrosive resistant Corten steel shall be used throughout for the three of the trucks and Stainless Steel for the fourth bed.			
94)	The sides shall be 24" tall and the tailgate 32". Provisions for extension boards shall be provided. A full width 24" deep 10-gauge cabshield shall be welded to the front of the body and a 3/16" x 10" asphalt lip shall be bolted to the rear. The Corten steel bodies shall be completely sandblasted after the attachment of the components, epoxy primed and painted to match the cab with a two part urethane paint. Underside of bed shall be painted black. All four beds shall receive Red/White conspicuity striping applied on lower rubrail or body and white around the tailgate perimeter.			
95)	The rear hinge pin shall be 2" and shall be end drilled, cross drilled and spiral cut to allow grease to reach all portions of the pins surface. The hinge blocks pad area shall be minimum of 2-1/2" W x 6" L			
96)	The tailgate cross shaft shall be supported at each end with bushings that can be greased from the outside of the body. At least one end of the shaft shall be designed to extend through the corner post and accept an adjustable wrench that is used as a manual backup to the air trip system			

97)	The unit shall have a ladder attached to the bed above the rear wheels on both sides			
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Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
98)	The body shall have all required DOT and ICC lights. All lights except back-up shall be LED. The body shall also have four (4) LED self-contained, programmable amber warning lights mounted on rubber grommets, Two of the lights shall be installed in the body's rear corner post along with the stop-tail-turn and backup lights. The other two (2) warning lights shall be installed at the front corner of the body's cab protector. They shall be angled at 45 degrees and flush mounted. One piece wiring harnesses shall be used for the body and warning lights. There shall be no splices between the light's and the truck's connectors			
99)	Mud flaps, front and rear of rear tires, back up alarm & all standard equipment			
100)	Equipped with a shielded H.D. electric tarp system that can be controlled from the cab, (enclose specifications). Tarp system shall not hang lower than bottom of bed.			
101)	Units shall be painted same color as truck cab			
102)	Literature on bed must accompany bid			
	J. HYDRAULICS			
	1. Hoist:			
103)	The hoist shall be a double acting trunion mounted headlift design using a nitrated cylinder with a two (2) year seal warranty. The doghouse for the cylinder shall not extend more than 12" into the floor's length.			
104)	The units shall have an electronic low hydraulic fluid sensor unit in the tank in the case of a hydraulic leak in the system.			
	2. Hydraulic Pump:			
105)	The hydraulic pump will be crankshaft driven using a 1280/1310-driveline assembly			
106)	The piston pump (load sensing type) must be capable of 45 GPM and 3000 PSI at 2500 RPM			
107)	Pump must have side ports to avoid multiple 90-degree bends in suction line (rear ports are unacceptable)			
108)	The case drain must be positioned as high as possible and directed back to the reservoir without passing through the return line filter			
109)	The pump must have internal bleed down compensator, a 1-1/4" keyed shaft, a 1" split flange pressure port and a 2" split flange suction port			
110)	Pump shall come with a remote mount compensator kit. REXROTH model A10VO74 or equal			
111)	The units shall include hydraulic lines and a cushion valve run to the front for a reversing snow plow			

3. Pump Drive:				
112)	The driveline must be 1280/1310 series solid shaft style			
Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
113)	The driveline shall come with all crosses, pump end yoke and flange for engine			
114)	The pump shall be driven off the engine crankshaft			
115)	The pump shall get a companion flange that un-bolts from driveshaft for easy belt replacement. Component Technology SG01010008 or equal			
4. Hydraulic Reservoir:				
116)	Reservoir shall be 30-gallon minimum capacity with the breather cap mounted to an inspection lid. Inspection lid shall also provide for an in tank mounted return line filter			
117)	Breather cap fill neck must be screened and mounted on a riser			
118)	Reservoir shall be complete with a sight temperature gauge and a magnetic drain plug. Suction port will allow for installation of a 2" NPT 50 GPM suction screen. Suction screen will have a 3 to 5 PSI by-pass spring			
119)	Reservoir must be constructed of 10-gauge steel			
120)	As an integral part of the reservoir, there shall be an area for mounting of the hydraulic stack valve. Reservoir must be of template style for bulkhead "through" mounting of the valve and be completely free from internal tubing or hoses from the work ports and inlet of the valve			
121)	Valve must be removable as a unit with template through the top of the reservoir for service and accessibility			
122)	All electrical connections must be made via IP68 rated connectors on the front (cab) side of the reservoir			
123)	The enclosure must have a fully potted output module installed in it for all electrical connections for the complete system. This module must be the master for the complete controlling system that operates on a CAN open platform			
124)	The hydraulic fittings must come out the bottom of the enclosure and must be male JIC bulkheads			
125)	Access to the enclosure must be by a removable top lid that is held in place with 2 rubber tie downs			
126)	The reservoir filter and fill cap must be accessible without removing a lid or cover			
127)	Hydraulic reservoir must be mounted on the driver's side of the vehicle. Component technology model MTCA2301 or equal			
5. Hydraulic Return Filter:				
128)	Filter shall be top tank mounted type 10 microns with a by-pass and replaceable cartridge element.			
129)	Filter shall be capable of 80 GPM flow capacity			

130)	Filter shall have one 1 ¼" SAE port with the ability to be machined for another			
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Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
131)	A bypass condition pressure switch is required and shall light a Change Filter message on the system display; switch shall be 22 psi and have a DIN connector			
132)	Component Technology model SG03020010 or equal			
	6. Hydraulic Stack Valve:			
133)	The valve shall be of a mobile stackable design load sensing type			
134)	The valve shall be all cast iron design and all sections must be of the same valve series			
135)	The valve shall be capable of a nominal 35 GPM with published flow curves to 40 GPM			
136)	The valve must be pressure and flow compensated			
137)	Valve logic shall be Post compensated			
138)	Inlet and outlet ports to be 1" o-ring, all working ports shall be ¾" o-ring			
139)	Valve to be arranged as follows:			
140)	a. Inlet cap with top ported pressure and tank, and side ported load sense port			
141)	b. Double acting cylinder spool for hoist, proportional 12VDC operated, with spring return to neutral. Coils shall have manual overrides. Shall have a work port relief for down side protection			
142)	c. Single acting cylinder spool for plow lift, proportional 12VDC operated with spring return to neutral. Pressure compensated 0-15 GPM main spool. Coils shall have manual overrides and have spool stroke limiters. Plow float shall be incorporated and controlled by console			
143)	d. Double acting cylinder spool for plow left/right, proportional 12VDC operated with spring return to neutral. Pressure compensated 0-15 GPM main spool. Coils shall have manual overrides and have spool stroke limiters			
144)	e. Single acting 0-15 GPM spool for feeder, proportional 12VDC spring to center with manual override			
145)	f. Single acting 0-7 GPM spool for spinner, proportional 12VDC spring to center with manual override			
146)	g. Spreader sections shall be part of a manifold assembly that has a pressure reducing valve and solenoid drain and has the ability to have a cartridge added for anti-ice applications			
147)	h. Valve shall have pressure transducer installed to show pressure on control system display in cab			
148)	i. Certified Power ACV valve or equal			
	K. "TPE" WIRING SPECIFICATIONS:			
149)	Wiring and harness system should meet ISO rating IP68 and NEMA 6			

Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
150)	The connectors should be zinc die cast E-coated, similar to a MIL spec connector			
151)	Each should have three sealing points- the lock ring itself, a raised portion of the molded plastic around each pin, and a viton O-ring that seals the whole connector			
152)	The cable jacket should be TPE- thermoplastic elastomer, and molded to the connectors			
153)	Connectors and harness should be rated and tested for a temperature range from – 30C to + 70C			
154)	Connectors should be tested to be water tight when submerged in 6’ of water for 24 hours, in 275’ of water for 1 hour, and when subjected to a 1000-psi pressure wash			
155)	The connectors should be designed to have NO corrosion after 500 hours in a 35C salt spray			
156)	Cabling should be rated excellent in low temperature flexibility and in its resistance to oxidation, heat, oil, weather, sun, ozone, abrasion, electrical priorities, flame, water, acid, alkali, gasoline, benzol, toluol, degreaser solvents, alcohol, and weld slag			
157)	All cabling for the hydraulic system and pre-wet system must be this style. Component Technology TPE Yellow Jacket cables or equal			
158)	All cable and hose retaining devices shall be stainless steel			
L. FREEDOM ACS CONTROL SYSTEM				
159)	The intent of this specification is to describe a complete control system that operates on a CAN Bus. The system communicates over a CAN Open system bus using CAN Open protocol and not a proprietary communication protocol. The system shall consist of four primary modules that reside on the Bus and allow flexibility in mounting configurations. The system is completely expandable and allows for additional modules to be added to the CAN Bus. All four primary components of the system are software upgradeable using a laptop and Component Technology interface cable. The configuration file of a calibrated system can be saved for transfer to other systems or as a backup providing the ability to use specific configurations for varying vehicle use or operator skill level. The original configuration is maintained at the factory as a secondary backup and is traceable by part number. The in-cab control system panel can support up to 10 rocker switch inputs and up to 4 joysticks. The display and/or an optional Component Technology TouchGuard switch or equal bay can be attached to the system panel. Joystick function is clearly labeled on a graphic overlay providing basic operator instruction. The system panel can be positioned over a 360			

	degree rotation and 4 inches of vertical travel on its mounting tube.			
Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
160)	<p>The ACS Display: The display shall be a minimum 4" x 6" TFT LCD graphic display with auto dimming backlight, user adjustable position, and Ethernet port for accessing a built in Web server. The Web server can be used to configure or troubleshoot a system by connecting to a PC. Interface shall utilize Internet Explorer and not require any proprietary software to connect to the system. The display provides a built in diagnostic feature allowing technicians to view all input signals real time. The display also provides error logging and system status change logging for reviewing operator inputs. The display automatically resizes to provide maximum readability with varying display content. A status window provides the operator with system status messages. The display shall incorporate "soft key" switches that are defined by the system program via the display. The keys shall include a "plus" pattern navigation buttons used to navigate in the system software easily. When configured the display will incorporate granular rates, both prewet and antiice rates, antiice lane indication, road/air temperature, hydraulic pressure where designated, system status, error messages, plow float indication, auto/manual mode indication and material currently being used. Active functions that are not in use shall show "off" and the graphic be "grayed out" for ease of operator interpretation.</p>			
161)	<p>The ACS Operator Panel: The operator panel shall be of molded silicone rubber keypad utilizing high life magnetic snap action switches and three high life magnetic 16 position detented encoders used for Rate, Lane and Liquid control separately. The detented positions will be user programmable as to the value of each increment in the setup menu. The operator panel provides input capabilities to support RS232, RS422, truck speed input, and multiple digital I/O. The panel shall have provisions for the Roadwatch Road Air temperature sending unit. The panel has built in LED backlighting that automatically dims with the display for night viewing. The panel shall incorporate the already integrated functions of blast and pause. The panel shall also incorporate mode, product and select switches integrated in the panel.</p>			

Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
162)	<p>The ACS Valve Driver Module: IP68 sealed assembly shall be mounted to the valve enclosure providing both interior and exterior electrical connections. The valve driver module drives up to 14 PWM channels, accepts a 4 – 20mA input, 4 closed loop feedback signals, and multiple digital inputs. All PWM outputs are software configurable and can be controlled by closed loop operation, proportional input devices, or digital input devices. The module has built in over temperature shutdown, over current shutdown, and low voltage shutdown. All electrical connections are IP68 sealed when mated utilizing threaded connections for positive retention. The valve driver module will reside on the BUS as the “master” and all truck valves and configurations will be saved in this module.</p>			
163)	<p>ACS Software: The system shall incorporate three levels of security and access that is password protected and defined by the user. The three levels of access called operator, technician and administrator shall give the user varying levels of access to the system setup, data, configuration fields and parameters based upon access given. The “administrator” shall have full access to all menus in the system and have the ability to make system configuration changes as well as system parameter changes. Spreader and liquid functions when controlled utilizing closed loop feedback will incorporate and “auto trim” feature that will allow the system to automatically set the PWM minimums and maximums when engaged. The system shall have “over speed” protection for the liquid functions that will alert the operator and shut down the liquid function when the driver has exceeded a user defined speed. The software shall incorporate a “test speed” mode for use in testing the system safely without requiring the truck to be moving or the drive axles engaged.</p>			
M. CONSOLE DESIGN				
164)	Totally modular control arm design for a variety of joystick controls, spreader controls and switch configurations.			
165)	Unit shall come with 2 fully proportional joysticks for hoist and plow control.			
166)	Single axis control with dead man switch for hoist.			
167)	Dual axis “+” design for snowplow up/down, and left/right control.			
168)	Armrest style console shall be fully adjustable to accommodate automatic or manual transmissions, and mount like it part of the driver’s seat.			

169)	Completely powder-coated Black in color.			
170)	Fully adjustable left to right.			
171)	Auxiliary switches shall be the Touch Guard design or equal.			
172)	Switches shall control items similar to the following, exact switch functions to be described in detail when awarded.			
Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
173)	When switches get power they shall light in the color green, when they are activated they shall turn red.			
174)	Switches shall be programmable for either maintained or momentary without changing the switch itself.			
175)	Switches shall be programmable for either maintained or momentary without changing the switch itself.			
176)	Switches shall be capable of sensing a ground fault with the circuit it is running.			
177)	Unit shall come with full schematic documentation. <ul style="list-style-type: none"> • Strobe Light • Work Light • Indicators for: <ul style="list-style-type: none"> • Low Oil • Body Up • Change Filter • Plow Float 			
178)	All indicators shall be on the in cab display and show up in English stating the function. Indicator lights will not be accepted.			
179)	Component Technology model SG21900001 or equal.			
N. SNOW PLOW CUSHION VALVE				
180)	A double relief cushion valve must be installed for the plow angle.			
181)	The valve shall be set at 2000 PSI and have #8 SAE o-ring ports.			
182)	The valve shall be constructed of a high-tensile cast iron body with ball and spring style relief that has hardened seat.			
183)	The valve shall be plumbed at the front of the truck for snowplow angle.			
184)	Component Technology model DRV5HH or equal.			
O. HYDRAULIC PRE-WET SYSTEM				
185)	Liquid pumping system shall come complete with all plumbing, pumps with an enclosure, and mounting hardware.			
186)	The spray system shall be completely controlled by the ground speed spreader control model ACS control system.			
187)	System shall run off the auger return oil.			
188)	Liquid pump shall be a corrosion resistant bronze design.			
189)	Pump shall be self-priming, pulse free positive displacement			

	design.			
190)	Unit shall come with a precision-machined stainless steel shaft.			
191)	Pump shall have oil less Carbon Graphite Bushings oversized for increased durability and longevity.			
192)	Pump shall come with flush port for pre-fill or flush of mechanical seal chamber.			
Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
193)	Pump shall come with a long wearing, drip less mechanical shaft seal.			
194)	Pump shall also come with bronze gears for good durability with an abrasive material.			
195)	Pump shall come with a built in relief valve set at 45 PSI to protect against over-pressurization.			
196)	Pump shall have a continuous duty rating of 125 PSI.			
197)	Pump shall be plumbed through a 0-15 GPM flow meter, made of a non-corrosive material.			
198)	Pump shall be capable of 9 GPM at 45 PSI.			
199)	An aluminum bodied geroller style hydraulic motor shall drive liquid pump.			
200)	Hydraulic motor shall come with side ports of the o-ring design.			
201)	A pressure compensated 12 VDC proportional flow control valve shall control the hydraulic flow going to the hydraulic motor.			
202)	Flow control shall be 3 ported bypass design cartridge valve.			
203)	Valve shall come with a screw adjustable manual override that allows continuation of operation in case of electrical failure.			
204)	Hydraulic connections shall be bulkhead style mounted in bottom of enclosure.			
205)	All hydraulics inside enclosure shall be hard plumbed.			
206)	Pumps shall be mounted in a Nema 4x style weather tight enclosure.			
207)	Component Technology model SG06250038 or equal.			
208)	A complete training session on use of the this system spreader control must be bid for some of our employees			
	P. MANUALS AND SERVICE PUBLICATIONS/SOFTWARE			
209)	Publications must be bound into manuals or installed in binders when delivered to the County; boxed, shrink-wrapped or otherwise unbound loose pages are not acceptable.			
210)	Operator Manuals A complete set of operator manuals shall be furnished with each completed truck.			
211)	a. A complete set of Operator Manuals for the chassis, engine, transmission, and all OEM installed components shall be furnished with each completed truck.			

212)	b. A complete set of Operator Manuals for all Body Builder-installed components shall be provided with each completed truck.			
213)	Service manuals - Chassis Service manuals are to include diagnostic and repair procedures for all OEM installed components including, but not limited to, the chassis, engine, electronic engine controls, fuel system, emissions system, electrical system including all controllers, transmission, axles, and HVAC.			
Item Number	Feature Description	Meets	Exceeds	Not available or does not meet spec
214)	a. CD-ROM – One (1) complete set for each model year per facility, six (6) facilities total.			
215)	b. On-Line Version – An on-line service system, comparable to those available to dealerships, shall be provided, with accessibility for 6 concurrent users. St. Charles County must pre-approve on-line systems			
	Q: WARRANTIES			
216)	Three (3) year, 36,000 mile full warranty on entire unit (bumper to bumper)-minimum. Include documentation that details the full warranty provided			
217)	Have a warranty that covers the engine, engine electronics, including injectors for five (5) years, 80,000 mile, or 2,880 hours minimum. Include documentation that details the warranty provided			
218)	List warranty period on transmission _____ Include documentation that details the full warranty provided			
219)	List warranty period on electric motor for tarp system. _____ Include documentation that details the full warranty provided			
220)	List seal warranty on hoist cylinder _____ Include documentation that details the full warranty provided			

All answers of **Exceeds or Not Available or does not meet spec** shall be explained on the *Exception Sheet* included in this packet. Cite the corresponding Item Number of the feature involved.

The County desires to trade in the vehicles listed below:

Trade – In Unit:

COUNTY #444 2002 Freightliner FL70 VIN # 1FVABTAKX3HK38139

This unit will be in service until delivery of new vehicle.

The County reserves the right to accept either the base price bid or the bid price after the trade-in.

Trade-in unit may be inspected at the Central District Facility at 2480 St. Peters Howell Road St. Charles, Missouri (636) 447-8818 for a one (1) week period only, January 10 to January 14, 2011.

The bid must include delivery of the truck to the following facility:

Southern District Facility at 176 Sprock Road Wentzville, Missouri

The successful bidder shall deliver the trucks within 180 days of the bid award date. If the successful bidder fails to deliver within the time specified, a sum of \$25.00 per unit per day shall be forfeited to the County as liquidated damages.

The bids are scheduled to be awarded at the first County Council meeting in February. Please take this into consideration when submitting your bid.

BID FORM

11-008

Single Axle Dump Truck

BID OPENING DATE: 1/19/2011 at 10:00 AM

(Bidder name)

Submits the following bid for this project:

Quantity – One (1)

Make Model and Year of Dump Truck offered _____

Make Model and Year of Dump Bed offered _____

Total price for Dump Truck \$ _____

Less: Trade in allowance for:

County #444-2002 Freightliner FL70 VIN # 1FVABTAKX3HK38139 \$ _____

Net Price \$ _____

Estimated delivery time from date of order _____ days

Authorized signature **Date** _____

Exception Sheet

If the item(s) and/or services proposed in the response to this bid is in any way different from that contained in this proposal or bid, the bidder is responsible to clearly identify all such differences in the space provided below. Otherwise, it will be assumed that the bidder's offer is in total compliance with all aspects of the proposal or bid.

Below are the exceptions or differences to the stated specifications (attach additional sheets as needed):

Date: _____

Signature: _____



Title: _____

Company: _____

THIS FORM MUST BE COMPLETED AND ENCLOSED WITH THE BID

Audit Clause for Contracts

Examination of Records

The Contractor's records must include, but not be limited to, accounting records (hard copy, as well as computer readable data), written policies and procedures, subcontractor files, indirect cost records, overhead allocation records, correspondence, instructions, drawings, receipts, vouchers, memoranda, and any other data relating to this contract shall be open to inspection and subject to audit and/or reproduction by the County Auditor, or a duly authorized representative from the County, at the County's expense. The contractor must preserve all such records for a period of three years, unless permission to destroy them is granted by the County, or for such longer period as may be required by law, after the final payment. Since the Contractor is not subject to the Missouri Sunshine Law (Chapter 610, RSMo), information regarding the Contractor's operations, obtained during audits, will be kept confidential.

The Contractor will require all subcontractors under this contract to comply with the provisions of this article by including the requirements listed above in written contracts with the subcontractors.

Vendor Information

Company Name: _____

Business Address: _____

Business Hours: _____

Phone: _____ Fax: _____

Email address: _____

Contact Person: _____

Authorized Signature: _____

(Indicates acceptance of all bid terms and conditions)

Date: _____



American Made:

In accordance with the Domestic Product Procurement Act (hereinafter referred to as the Buy American Act) RSMo 34.350-34.359, the bidder is advised that any goods purchased or leased by any public agency where the purchase, lease or contract involves the expenditure of twenty-five thousand dollars (\$25,000) or more, shall be manufactured or produced in the United States. Section 34.350.2(1) of that Act specifies that the term "public agency" includes all political subdivisions of the State of Missouri, which definition includes counties.

The requirements of the Buy American Act shall not apply if other exceptions to the Buy American mandate in RSMo 34.353 are met.

If the bidder claims there is only one line of the good manufactured or produced in the United States, RSMo 34.353 (2), or that one of the exceptions of RSMo 34.353 (3) applies, the Department Head or Elected Official bears the burden of certification as required prior to the award of a contract.

In accordance with the Buy American Act, the bidder must provide proof of compliance with RSMo 34.353. Therefore the bidder should complete and return Exhibit A, certification regarding proof of compliance, with the bid. This document must be satisfactorily completed prior to an award of a contract.

EXHIBIT A

**ST. CHARLES COUNTY
DOMESTIC PRODUCTS PROCUREMENT ACT (BUY AMERICAN)**

The Missouri Domestic Products Procurement Act (34.350-34.359 RSMo) requires that for all bids with a value of \$25,000 or more, the goods or commodities purchased by any public agency (which definition includes all political subdivisions of the State, including counties) or used or supplied in the construction, alteration, repair, or maintenance of any public works must be **manufactured or produced** in the United States. As defined in 34.350 RSMo, United States means the United States of America, the District of Columbia, and all territories and possessions subject to the jurisdiction of the United States. The law also requires that the bidder must provide proof of compliance. **Note: In general, if an import tariff is applied to an item, it does not qualify for the Buy American preference. In addition, Most Favored Nation status does not allow application of the preference.**

Section A – All Products Are Manufactured or Produced In U.S.

If all products bid qualify as domestic products under Missouri law, complete only Section A.

I hereby certify that all products qualify as domestic, that the information provided is true and correct, and complies with all provisions of Sections 34.350-34.359 RSMo. I understand that any misrepresentation herein constitutes the commission of a class A misdemeanor pursuant to Section 34.355 of the Revised Statutes of Missouri.
SIGNATURE
COMPANY NAME

If Section A is completed, do not complete Section B.

Section B – Only One Product Line or No Products Are Manufactured or Produced In U.S.

If only one product line or no products are manufactured or produced in the U.S. complete only section B.

I hereby certify that there is only one product line or no product manufactured or produced in the U.S., that the information provided is true and correct, and complies with all provisions of Sections 34.350-34.359 RSMo. I understand that any misrepresentation herein constitutes the commission of a class A misdemeanor pursuant to Section 34.355 of the Revised Statutes of Missouri.
SIGNATURE
COMPANY NAME

Section C – Products May Qualify Because of Qualifying Treaty

If some or all products bid qualify for domestic status because of a trade treaty, etc., then the bidder must identify each product, country and qualifying treaty, etc. below. The bidder must list ALL products which are or may qualify as domestic below. If more space is needed, please copy this form and submit as an attachment.

BID ITEM NUMBER(S)	COUNTRY WHERE MANUFACTURED OR PRODUCED	QUALIFYING TREATY, LAW, AGREEMENT, OR REGULATION

SECTION C

I hereby certify that the specific items listed above are domestic, that the information provided is true and correct, and complies with all provisions of Sections 34.350-34.359 RSMo. I understand that any misrepresentation herein constitutes the commission of a class A misdemeanor pursuant to Section 34.355 of the Revised Statutes of Missouri.

SIGNATURE
COMPANY NAME