CITY OF ALBUQUERQUE

REQUEST FOR BID

THE CITY OF ALBUQUERQUE, PURCHASING OFFICE IS REQUESTING OFFERS FOR THE FOLLOWING GOODS OR SERVICES.

REQUEST NUMBER: RFB2007-056-SB
TITLE: CAB/CHASSIS TRUCKS WITH VARIOUS BODIES
OPENING DATE: **DECEMBER 6, 2006 (1:30 PM)**

FOR ADDITIONAL INFORMATION CONTACT:

SUZANNE BOEHLAND, SENIOR BUYER (505) 768-3397
CITY OF ALBUQUERQUE PURCHASING OFFICE
ALBUQUERQUE/BERNALILLO COUNTY GOVERNMENT CENTER
POST OFFICE BOX 1293
ONE CIVIC PLAZA
ALBUQUERQUE, NEW MEXICO 87103

THE CITY CLERK OF THE CITY OF ALBUQUERQUE WILL RECEIVE SEALED OFFERS FOR THE GOODS OR SERVICES DESCRIBED IN THIS REQUEST AT:

OFFICE OF THE CITY CLERK
CITY OF ALBUQUERQUE
POST OFFICE BOX 1293
ONE CIVIC PLAZA
ALBUQUERQUE, NEW MEXICO 87103

HAND CARRIED OFFERS WILL BE RECEIVED AT THE OFFICE OF THE CITY CLERK, ALBUQUERQUE/BERNALILLO COUNTY GOVERNMENT BUILDING, 11TH FLOOR, 1 CIVIC PLAZA, ALBUQUERQUE, NM.

OFFERS WILL BE RECEIVED UNTIL **1:30 PM DECEMBER 6, 2006**

NOTE: USE OF THE MAIL SERVICE IS AT YOUR OWN RISK FOR PROPER DELIVERY.

OFFERS WILL BE OPENED PROMPTLY AT **1:30 PM** AT:
ALBUQUERQUE/BERNALILLO COUNTY GOVERNMENT CENTER
7TH FLOOR CONFERENCE ROOM
ONE CIVIC PLAZA
ALBUQUERQUE, NEW MEXICO

ALL OFFERORS ARE RESPONSIBLE FOR READING AND UNDERSTANDING ALL INFORMATION CONTAINED IN THIS REQUEST. OFFERORS ARE RESPONSIBLE FOR CHECKING TO ASSURE THAT NO PAGES ARE MISSING. PLEASE CHECK THIS PACKAGE UPON RECEIPT. IF ANY PAGES ARE MISSING PLEASE CONTACT THE BUYER NAMED ON THE COVER PAGE.

THE FOLLOWING INFORMATION AND FORMS ARE REQUIREMENTS FOR THIS REQUEST.

_____ OFFEROR COMPLIANCE FORM
COMPLETE ALL APPLICABLE INFORMATION, INCLUDING YOUR FEDERAL TAX IDENTIFICATION NUMBER, AND RETURN IT WITH YOUR OFFER.

_____ PRICING DETAIL FORM(S)
COMPLETE ALL PRICING DETAIL, INCLUDING UNIT AND EXTENDED PRICES (THIS IS VERY IMPORTANT).

_____ SPECIFICATION CHARTS
COMPLETE ALL PRICING DETAIL, INCLUDING BASE COST PER UNIT AND ADDITIONAL OPTIONS PRICING (THIS IS VERY IMPORTANT).

_____ OFFEROR COMMENTS FORM
IF APPLICABLE, COMPLETE, SIGN AND RETURN WITH YOUR OFFER.

_____ LOCAL PREFERENCE CERTIFICATION FORM
IF APPLICABLE, COMPLETE SIGN AND RETURN WITH YOUR OFFER. THIS FORM MUST ACCOMPANY YOUR OFFER TO BE CONSIDERED FOR THE PREFERENCE.

VENDOR NAME: _____

REQUEST NUMBER: RFB2007-056-SB
OPENING DATE: **DECEMBER 6, 2006**

DELIVERY DATE: _____
(PLEASE SPECIFY)

REQUISITION NUMBER:

FOR FURTHER INFORMATION CALL
SUZANNE BOEHLAND
AT (505) 768-3397

FOB POINT:
VARIOUS REPRESENTATIVES
VARIOUS LOCATIONS WITHIN THE
GREATER ALBUQUERQUE METRO AREA
ALBUQUERQUE, NM

BID BOND AMOUNT: $0.00
BID BOND PERCENT: 0%

PERFORM BOND AMOUNT: $0.00
PERFORM BOND PERCENT: 0%

IF APPLICABLE, BID AND PERFORMANCE BOND INFORMATION CAN BE FOUND IN THE SUPPLEMENTAL TERMS AND CONDITIONS.

DISCOUNT: PLEASE INDICATE YOUR FIRM'S DISCOUNT FOR PROMPT PAYMENT:
(THE MINIMUM ACCEPTABLE PERIOD IS 20 CALENDAR DAYS)

20 CALENDAR DAYS: _____ %

30 CALENDAR DAYS: _____ %

OTHER: _____ CALENDAR DAYS: _____ %

A 5% LOCAL PREFERENCE IS AVAILABLE FOR THIS BID. THE LOCAL PREFERENCE CERTIFICATION FORM MUST BE COMPLETED, CERTIFIED AND SUBMITTED WITH THE BID IN ORDER TO BE CONSIDERED.
LOCAL PREFERENCE REQUESTED: MFG? _____ BUSINESS? _____

PLEASE ENTER THE STATE RESIDENT PREFERENCE NUMBER HERE: _____ MFG?: _____ BUSINESS? _____

COMPLIANCE AGREEMENT

I, UNDERSTAND, HAVE READ AND EXAMINED THE GENERAL TERMS, CONDITIONS, ANY SUPPLEMENTAL TERMS AND CONDITIONS, AND THE SPECIFICATIONS OF THIS REQUEST AND AGREE TO COMPLY WITH ALL OF THEM.

SIGNATURE: _____ DATE: ____/____/____

NAME: _____ TITLE: _____
(PRINT OR TYPE)

COMPANY NAME: _____ EIN: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE: ( ) _____ - _____ FAX: ( ) _____ - _____

DIRECT DEPOSIT PAYMENTS TRANSFERS ARE STRONGLY ENCOURAGED. TO ACCESS FORMS VISIT HTTP://WWW.CABQ.GOV/VENDOR/VENDORACH.HTML.

PRICING DETAIL FORM
RFB2007-056-SB

IN ACCORDANCE WITH THE ENCLOSED SPECIFICATIONS, TERMS AND CONDITIONS, FURNISH THE CITY WITH THE FOLLOWING:

ITEM NO.	QUANTITY / UNIT	ITEM	BASE COST PER UNIT
1	1.00 EA	37,600 LB. GVWR CAB/CHASSIS ONLY	$
2	1.00 EA	37,600 LB. GVWR CAB/CHASSIS WITH 6 CUBIC YARD DUMP BODY	$
3	1.00 EA	37,600 LB. GVWR CAB/CHASSIS WITH FIFTH WHEEL PLATE	$
4	1.00 EA	37,600 LB. GVWR CAB/CHASSIS WITH MOUNTED ARTICULATING CRANE	$
5	1.00 EA	37,600 LB. GVWR CAB/CHASSIS WITH WATER TANK	$
6	1.00 EA	37,600 LB GVWR CAB/CHASSIS WITH STAKE BODY	$
7	1.00 EA	41,000 LB. GVWR CAB/CHASSIS WITH 5-YARD VACTOR BODY	$
8	1.00 EA	60,000 LB. GVWR CAB/CHASSIS WITH 10-YARD VACTOR BODY	$
9	1.00 EA	66,000 LB. GVWR CAB/CHASSIS WITH 12-YARD VACTOR BODY	$
10	1.00 EA	66,000 LB. GVWR CAB/CHASSIS WITH 15-YARD VACTOR BODY	$

TOTAL PRICE MUST INCLUDE ALL APPLICABLE TAXES, LICENSES, REGISTRATION, FREIGHT AND FEES.

ALL QUESTIONS MUST BE ADDRESSED IN WRITING (E-MAIL OR FAX) TO:

SUZANNE BOEHLAND, SENIOR BUYER
E-MAIL: SBOEHLAND@CABQ.GOV
FAX: (505) 768-3355

**********LAST ITEM **********

STATE THE FOLLOWING FOR FACTORY WARRANTY REPAIR FACILITY

Warranty repair facility must be within the Albuquerque Metro Area or a technician must be on site for equipment repair within 48 hours of call for warranty service.

NAME: _____

ADDRESS: _____

_____

POC NAME: _____

CONTACT NUMBER(S): _____

E-MAIL ADDRESS: _____

VENDOR NAME: _____

SPECIFICATIONS – ITEM 1
37,600 LB. GVWR CAB/CHASSIS
RFB2007-056-SB

The following specifications are the *minimum acceptable* for furnishing **37,600 LB. GVWR CAB/CHASSIS** to the City of Albuquerque as a result of this solicitation. Units furnished shall meet or exceed the physical and/or performance specifications of the reference model(s) below. The City may waive any minor exceptions, if doing so is in its best interests. The City also reserves the right to negotiate options not listed on this solicitation or not initially offered by the vendor, subject to mutual agreement. Quantities are estimated. Actual purchases will be made subject to availability of sufficient funds.

Bidder shall state exact make(s) and year(s) of vehicle and body offered. Complete the specification chart and attach *detailed* manufacturer literature that show both standard features and options, and state factory production schedules for the offered models. Offers must include the exact make/model of chassis, engine, transmission, and dump body offered. Include road performance data with your offer. Failure to do so may cause your offer to be rejected.

Bidder shall include with offer detailed specifications on line items where "Manufacturer's Standard" is specified.

Note: it is the City's intention to purchase multiple cab/chassis which will have various bodies attached per contract issued.

ITEM	QUANTITY *(estimate)*	UNIT	DESCRIPTION	REFERENCE MODEL (*Current Model*)
1	1	each	37,600 lb. GVWR Cab/Chassis	Kenworth T300, Freightliner M2, or equal
			BASE COST PER UNIT:	$
			MODEL:	
			MAKE:	
			ENGINE:	

STANDARD SPECIFICATIONS	MEETS SPECIFICATIONS *(circle appropriate answer)*	
1. Wheelbase		
1.1. Manufacturer's standard, sufficient to properly accommodate cab/chassis and specified body.	YES	NO
2. Cab to Axle		
2.1. Manufacturer's standard, sufficient to properly accommodate specified body	YES	NO
3. Engine		
3.1. 275 horsepower	YES	NO
3.2. Wet-sleeve	YES	NO
3.3. Six cylinder	YES	NO
3.4. Turbo-charge diesel	YES	NO
4. Engine Torque Rating		
4.1. 800 ft. lb. at rated RPM	YES	NO
4.2. Engine Air Intake	YES	NO
4.3. Engine air diverter to shut off external intake and pull air from engine compartment.	YES	NO
5. Exhaust		
5.1. Right hand vertical stack with muffler and rain protection	YES	NO
6. Engine Shut-Down System		
6.1. High engine temperature, low oil pressure	YES	NO
7. Cooling System		
7.1. Maximum available	YES	NO
7.2. Copper/brass radiator	YES	NO
7.3. Electric auxiliary cooling fan for low speed operation	YES	NO
7.4. ON/OFF fan	YES	NO
8. Electrical System		
8.1. 12 volt	YES	NO
8.2. Dual batteries with 1050 CCA combined in weather tight enclosure	YES	NO

VENDOR NAME: _____

8.3. 130 amp alternator	YES	NO
8.4. Heavy-duty flasher	YES	NO
8.5. Circuit breakers in lieu of fuses	YES	NO
8.6. Master disconnect switch	YES	NO
8.7. Jump start stud	YES	NO
8.8. Jumper cable jack at battery box with 20-foot heavy duty jumper cables.	YES	NO
9. Transmission		
9.1. Five speed, automatic	YES	NO
9.2. Allison 3500 RDS or equal	YES	NO
9.3. Push button pad shift console mounted on dashboard.	YES	NO
10. Service Brakes		
10.1. Dual air operated system	YES	NO
10.2. Anti-lock	YES	NO
10.3. Bendix, or equal with blink code diagnostics	YES	NO
10.4. 13 C.F.M. (minimum) air compressor, automatic slack adjusters and Bendix or equal air dryer	YES	NO
10.5. Spring loaded parking/emergency rear brake canisters	YES	NO
10.6. “Hub piloted” outboard mounted brake drums	YES	NO
11. Trailer Air Brake System		
11.1. Shall include air lines extending to rear of truck inside each frame rail to actuate air brakes of towed trailer units, with column mounted hand lever to actuate trailer brakes independently. Shall include pressure loss protection valve.	YES	NO
12. Trailer Electric Brake Controller		
12.1. In-cab	YES	NO
12.2. Tekonsha, or equal, wired to 7-way plugs on buck plate. 7-way connector plugs at rear in buck plate.	YES	NO
13. Steering		
13.1. Hydraulic, power assist	YES	NO
14. Front Axle		
14.1. One piece I beam	YES	NO
14.2. 14,600 pound capacity	YES	NO
14.3. Oil lubricated front wheel hubs with Stemco clear caps or equal	YES	NO
15. Front Suspension		
15.1. Multi leaf with heavy duty shocks to meet axle capacity and gross vehicle weight	YES	NO
16. Rear Axle		
16.1. 23,000 pound capacity	YES	NO
16.2. Magnetic filler and drain plugs	YES	NO
16.3. Drive ratio to achieve approximately 59-66 MPH at 2,000 – 2,200 RPM.	YES	NO
17. Differential		
17.1. Driver controlled positive traction	YES	NO
18. Rear Suspension		
18.1. Multi leaf, with auxiliary to meet axle capacity and gross vehicle weight *(or equal alternate rear suspension)*	YES	NO
19. Drive Line		
19.1. Spicer 1710 series or equal	YES	NO
20. Frame		
20.1. To meet 37,600 GVWR	YES	NO

VENDOR NAME: _____

21. Bumper		
21.1. Heavy-duty	YES	NO
21.2. 12-inch structural steel channel	YES	NO
21.3. Ends contoured to shape of chassis hood	YES	NO
21.4. Mounted to frame with ½-inch x 6-inch steel plate, continuously welded on each side	YES	NO
21.5. Bolt-mount with 5/8-inch grade 8 bolts	YES	NO
22. Tires		
22.1. Steel belted 16-ply radial, to meet gross vehicle weight	YES	NO
23. Wheels		
23.1. One piece, steel disc (budd type)	YES	NO
24. Fuel Tanks/Capacity		
24.1. Dual step-type	YES	NO
24.2. 100 gallons combined capacity *(nominal)*	YES	NO
24.3. Minimum 14-inch ground clearance	YES	NO
24.4. Auxiliary non-skid metal step below tank step, welded to tank brackets	YES	NO
25. Cab		
25.1. Factory standard conventional cab with air conditioning and heat (see item 33)	YES	NO
25.2. Front air intake diverter	YES	NO
26. Seating		
26.1. Driver: High back air suspension cloth seats, National or equal	YES	NO
26.2. Passenger: Bench style to accommodate two (2) passengers	YES	NO
27. Fender Guides		
27.1. Manufacturer standard, dual, front fender mounted, stainless steel with convex mirrors	YES	NO
28. Rock Screens		
28.1. Expanded metal, with ¼-inch openings for front oil coolers and, behind grill for radiator.	YES	NO
29. Paint		
29.1. Factory applied, Cab: white; Frame: black	YES	NO
30. Mirrors		
30.1. Dual heated right and left West Coast Style with 8-inch diameter convex mirrors below	YES	NO
31. Sun Visors		
31.1. Driver and passenger	YES	NO
32. Climate Control		
32.1. Manufacturer's standard, multi-speed fresh air heater/defroster and air conditioning	YES	NO
33. Radio		
33.1. Factory standard AM/FM radio	YES	NO
34. Fenders		
34.1. Quarter fenders on rear wheels with mud flaps	YES	NO
35. Factory Manuals		
35.1. 1 set each per truck; Operators, Repair, Parts Manuals	YES	NO
35.2. Line sheet	YES	NO
35.3. Electrical schematic	YES	NO
36. Instrumentation		
36.1. To include but not limited to: engine oil pressure, tachometer, odometer, hour meter, coolant temperature, transmission temperature, transmission oil level, voltmeter, air pressure, and fuel gauge.	YES	NO

VENDOR NAME: _____

37. Electronics		
37.1. Road speed governor	YES	NO
37.2. Engine protection system	YES	NO
37.3. Comprehensive engine diagnostics	YES	NO
37.4. Adjustable low idle speed	YES	NO
38. Lighting		
38.1. Manufacturer's standard	YES	NO
38.2. To meet all current applicable local, state, and federal DOT and FMVSS regulations	YES	NO
39. Miscellaneous		
39.1. Tilt steering wheel	YES	NO
39.2. Cold weather starting aid	YES	NO
39.3. Engine block heater	YES	NO
39.4. Fresh air intake heater	YES	NO
39.5. Marker lamps	YES	NO
39.6. All glass factory tinted	YES	NO
39.7. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings	YES	NO
39.8. Windshield washers	YES	NO
39.9. Shoulder harness seat belts	YES	NO
39.10. Cigarette lighter	YES	NO
39.11. Ash tray	YES	NO
39.12. Dome light	YES	NO
39.13. Dual map lights	YES	NO
39.14. Exterior grab handles for entering/exiting cab	YES	NO
39.15. All wiring in split plastic looms unless otherwise stated	YES	NO
40. Warranty		
40.1. 3-year/36,000 bumper-to-bumper factory warranty on chassis and body. No deductible. Warranty shall cover entire assembled vehicle and all parts and accessories, except tires and normal wear items.	YES	NO
40.2. 5-year warranty on engine and transmission, to include all parts and labor. No deductible.	YES	NO
40.3. Offeror must identify in its bid the name and location of the Albuquerque Metro Area warranty repair facility, which must be fully capable of performing any and all necessary warranty repairs during the warranty period.	YES	NO
40.4. Acceptance of identified warranty repair facility by the City is subject to evaluation by the City; non-acceptance by the City may cause you offer to be considered non-responsive.	YES	NO
40.5. During the entire warranty period, warranty repairs must be initiated within 3 working days of notification by the City (and presentation of the vehicle) to the warranty repair facility.	YES	NO
40.6. Warranty repairs must be completed within 5 working days after initiation of work, unless delays can be proven to be beyond the control of the warranty repair facility.	YES	NO
40.7. Contractor shall take full responsibility for all warranty repairs, regardless of who performs the repairs.	YES	NO
41. Standard Equipment		
41.1. Unit furnished must have all standard equipment listed in official factory literature at the time of manufacture.	YES	NO
41.2. Two (2) sets of keys shall be provided with each unit.	YES	NO
42. Training		
42.1. Upon request by the City, up to 4 hours of repair and/or operation instruction shall be provided by the factory-trained personnel.	YES	NO
42.2. Training shall be provided for up to 8 City staff, as designated by the Fleet Management Division.	YES	NO
42.3. Training schedule shall be set as mutually agreeable to City and contractor.	YES	NO
42.4. Contractor must provide training within 30 days of delivery unless the City declines, which shall constitute forfeiture of the training by the City.	YES	NO
43. Unit(s) furnished must meet all applicable federal, state, and local requirements in effect at the time of delivery.	YES	NO

VENDOR NAME: _____

OPTIONS

Price each of the options by make/model number. Also list and price other options offered for each make/model that are not specifically listed below. These options shall include up-fitted items

DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*	MEETS SPECIFICATIONS *(circle appropriate answer)*	
A. Provisions for 'headlights off/snow plow lights on"		$	YES	NO
B. Snow plow light switch		$	YES	NO

ADDITIONAL OPTIONS

Complete below for additional options; attach additional page(s) for additional offered options

DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*
C.		$
D.		$
E.		$
F.		$
G.		$
H.		$
I.		$
J.		$
K.		$
L.		$
M.		$
N.		$
O.		$
P.		$
Q.		$

VENDOR NAME: _____

SPECIFICATIONS – ITEM 2
37,600 LB. GVWR CAB/CHASSIS WITH 6-YARD DUMP BODY
RFB2007-056-SB

The following specifications are the *minimum acceptable* for furnishing **37,600 LB. GVWR CAB/CHASSIS WITH 6 CUBIC YARD DUMP BODY** to the City of Albuquerque as a result of this solicitation. Units furnished shall meet or exceed the physical and/or performance specifications of the reference model(s) below. The City may waive any minor exceptions, if doing so is in its best interests. The City also reserves the right to negotiate options not listed on this solicitation or not initially offered by the vendor, subject to mutual agreement. Quantities are estimated. Actual purchases will be made subject to availability of sufficient funds.

Bidder shall state exact make(s) and year(s) of vehicle and body offered. Complete the specification chart and attach *detailed* brochures that show both standard features and options, and state factory production schedules for the offered models. Offers must include the exact make/model of chassis, engine, transmission, and dump body offered. Include road performance data with your offer. Failure to do so may cause your offer to be rejected.

Bidder shall include with offer detailed specifications on line items where "Manufacturer's Standard" is specified.

ITEM	QUANTITY *(estimate)*	UNIT	DESCRIPTION	REFERENCE MODEL (*Current Model*)
2	1	each	37,600 lb. GVWR Cab/Chassis with 6 Cubic Yard Dump Body	Kenworth T300, Freightliner M2, or equal with Crysteel dump or equal
			BASE COST PER UNIT:	$
			MODEL:	
			MAKE:	
			ENGINE:	

STANDARD SPECIFICATIONS	MEETS SPECIFICATIONS *(circle appropriate answer)*	
1. Wheelbase		
1.1. Sufficient to properly accommodate cab/chassis and specified body	YES	NO
2. Cab to Axle		
2.1. Sufficient to properly accommodate specified body	YES	NO
3. Engine		
3.1. 275 horsepower	YES	NO
3.2. Wet-sleeve	YES	NO
3.3. Six cylinder	YES	NO
3.4. Turbo-charge diesel	YES	NO
4. Engine Torque Rating		
4.1. 800 ft. lb. at rated RPM	YES	NO
4.2. Engine Air Intake	YES	NO
4.3. Engine air diverter to shut off external intake and pull air from engine compartment.	YES	NO
5. Exhaust		
5.1. Right hand vertical stack with muffler and rain protection	YES	NO
6. Engine Shut-Down System		
6.1. High engine temperature, low oil pressure	YES	NO
7. Cooling System		
7.1. Maximum available	YES	NO
7.2. Copper/brass radiator	YES	NO
7.3. Electric auxiliary cooling fan for low speed operation	YES	NO
7.4. ON/OFF fan	YES	NO
8. Electrical System		
8.1. 12 volt	YES	NO
8.2. Dual batteries with 1050 CCA combined	YES	NO
8.3. In weather tight enclosure	YES	NO

VENDOR NAME: _____

8.4. 130 amp alternator	YES	NO
8.5. Heavy-duty flasher	YES	NO
8.6. Circuit breakers in lieu of fuses	YES	NO
8.7. Master disconnect switch	YES	NO
8.8. Jump start stud	YES	NO
8.9. Jumper cable jack at battery box with 20-foot heavy duty jumper cables.	YES	NO
9. Transmission		
9.1. Five speed, automatic	YES	NO
9.2. Allison 3500 RDS or equal	YES	NO
9.3. Push button pad shift console mounted on dashboard.	YES	NO
10. Service Brakes		
10.1. Dual air operated system	YES	NO
10.2. Anti-lock	YES	NO
10.3. Bendix or equal blink code diagnostics	YES	NO
10.4. 13 C.F.M. (minimum) air compressor, automatic slack adjusters and Bendix or equal air dryer	YES	NO
10.5. Spring loaded parking/emergency rear brake canisters	YES	NO
10.6. “Hub piloted” outboard mounted brake drums	YES	NO
11. Steering		
11.1. Hydraulic	YES	NO
11.2. Power assist	YES	NO
12. Front Axle		
12.1. One piece I beam	YES	NO
12.2. 14,600 pound capacity	YES	NO
12.3. Oil lubricated front wheel hubs with Stemco clear caps or equal	YES	NO
13. Front Suspension		
13.1. Multi leaf with heavy duty shocks to meet axle capacity and gross vehicle weight	YES	NO
14. Rear Axle		
14.1. 23,000 pound capacity	YES	NO
14.2. Magnetic filler and drain plugs	YES	NO
14.3. Drive ratio to achieve approximately 59-66 MPH at 2,000 – 2,200 RPM.	YES	NO
15. Differential		
15.1. Driver controlled positive traction differential	YES	NO
16. Rear Suspension		
16.1. Multi leaf, with auxiliary to meet axle capacity and gross vehicle weight. *(or equal alternate rear suspension)*	YES	NO
17. Drive Line		
17.1. Spicer 1710 series or equal	YES	NO
18. Frame		
18.1. To meet 37,600 GVWR	YES	NO
19. Bumper		
19.1. Heavy-duty	YES	NO
19.2. 12-inch structural steel channel	YES	NO
19.3. Ends contoured to shape of chassis hood	YES	NO
19.4. Mounted to frame with ½-inch x 6-inch steel plate, continuously welded on each side	YES	NO

VENDOR NAME: _____

19.5. Bolt-mount with 5/8-inch grade 8 bolts	YES	NO
20. Tires		
20.1. Steel belted 16-ply radial, to meet gross vehicle weight	YES	NO
20.2. 12R22/5 (or equal) in front and 1122/5 (or equal) in rear	YES	NO
21. Wheels		
21.1. One piece, steel disc (budd type)	YES	NO
22. Fuel Tanks/Capacity		
22.1. Dual step-type	YES	NO
22.2. 100 gallons combined capacity, *(nominal)*	YES	NO
22.3. Minimum 14-inch ground clearance	YES	NO
22.4. Auxiliary non-skid metal step below tank step, welded to tank brackets	YES	NO
23. Cab		
23.1. Factory standard conventional cab	YES	NO
23.2. Front air intake diverter	YES	NO
24. Seating		
24.1. Dual high back air suspension cloth seats, National or equal	YES	NO
25. Fender Guides		
25.1. Manufacturer standard, dual, front fender mounted, stainless steel with convex mirrors	YES	NO
26. Rock Screens		
26.1. Expanded metal, with ¼-inch openings for front oil coolers and, behind grill for radiator.	YES	NO
27. Paint		
27.1. Factory applied, Cab: white; Frame: black	YES	NO
28. Trailer Connectors		
28.1. 6-way and 7-way connector plugs at rear in buck plate.	YES	NO
29. Mirrors		
29.1. Dual heated right and left west coast style with 8-inch diameter convex mirrors below	YES	NO
30. Sun Visors		
30.1. Driver and passenger	YES	NO
31. Climate Control		
31.1. Multi-speed fresh air heater/defroster and air conditioning	YES	NO
32. Radio		
32.1. Factory standard AM/FM radio	YES	NO
33. Fenders		
33.1. Quarter fenders on rear wheels with mud flaps	YES	NO
34. Factory Manuals		
34.1. One (1) set each per truck; Operators, Repair, Parts Manuals	YES	NO
34.2. Line sheet	YES	NO
34.3. Electrical schematic	YES	NO
35. Instrumentation		
35.1. To include but not limited to: engine oil pressure, tachometer, odometer, hour meter, coolant temperature, transmission temperature, transmission oil level, voltmeter, air pressure, and fuel gauge.	YES	NO
36. Electronics		
36.1. Road speed governor	YES	NO
36.2. Engine protection system	YES	NO

VENDOR NAME: _____

36.3. Comprehensive engine diagnostics	YES	NO
36.4. Adjustable low idle speed	YES	NO
37. Lighting		
37.1. Manufacturer's standard	YES	NO
37.2. To meet all current applicable local, state, and federal DOT and FMVSS regulations	YES	NO
37.3. Provisions for 'headlights off/snow plow lights on"	YES	NO
38. Miscellaneous		
38.1. Tilt steering wheel	YES	NO
38.2. Factory air conditioning	YES	NO
38.3. Heater/defroster	YES	NO
38.4. Fresh air intake heater	YES	NO
38.5. Marker lamps	YES	NO
38.6. All glass factory tinted	YES	NO
38.7. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings	YES	NO
38.8. Windshield washers	YES	NO
38.9. Shoulder harness seat belts	YES	NO
38.10. Cigarette lighter	YES	NO
38.11. Ash tray	YES	NO
38.12. Sun visors	YES	NO
38.13. Dome light	YES	NO
38.14. Dual map lights	YES	NO
38.15. Exterior grab handles for entering/exiting cab	YES	NO
38.16. All wiring in split plastic looms unless otherwise stated	YES	NO
39. Dump Body & Associated Equipment		
39.1. All construction and installation must be executed in accordance with the highest industry standards and in accordance with the recommendations of the chassis manufacturer and the body manufacturer.	YES	NO
40. Wiring		
40.1.1. All wiring properly sized and fitted to application	YES	NO
40.1.2. All splices shrink-wrapped	YES	NO
40.1.3. Galvanized looms for all wiring.	YES	NO
41. Body		
41.1. Crysteel Tipper or equal	YES	NO
42. Dump Body Floor		
42.1. ¼-inch thick hi-tensile steel (50,000 psi yield, 65,000 psi tensile)	YES	NO
43. Dump Body Sides, End		
43.1. 10 gauge hi-tensile steel (minimum)	YES	NO
44. Cab Shield		
44.1. 3/16-inch thick single piece continuously welded construction full body width vertical shield with 24-inch extension cab guards. Designed to prevent material spillage on cab and windshield.	YES	NO
45. Access Ladder		
45.1. Pull out type (with secure stowage) dump body access ladder on curbside ahead of rear axle, placed between vertical boxed braces.	YES	NO
45.2. 1-inch diameter grab handles.	YES	NO
45.3. All edges and corners rounded and smoothed	YES	NO

VENDOR NAME: _____

46. Tarp Cover		
46.1. Ground operated spring loaded unit designed for hot/cold aggregates	YES	NO
46.2. Side arms, strap securing hooks and rear rope looking bracket	YES	NO
46.3. PULLTARP system or equal	YES	NO
47. Tailgate		
47.1. Minimum 12-inch x 12-inch coal door in lower center of tailgate	YES	NO
47.2. 1-¼-inch hardened steel roll pins	YES	NO
47.3. Tailgate chains with adjustment brackets welded on both sides of corner posts	YES	NO
47.4. Chain hooks for stowage	YES	NO
47.5. ¾-inch diameter cold roll lifting eye welded to center of tailgate	YES	NO
48. Junction Box		
48.1. Weather tight enclosed junction box mounted behind cab	YES	NO
49. Understructure		
49.1. Manufacturer's heaviest-duty version/option of offered body available	YES	NO
49.2. Body safety prop included	YES	NO
50. Hoist		
50.1. Under body type with full subframe	YES	NO
50.2. NTEA class 50	YES	NO
50.3. 50-degree dump angle	YES	NO
50.4. Crysteel RC750 or equal	YES	NO
50.5. With greaseless bushings at all pivot points, to include rear dump body hinge	YES	NO
51. Lighting		
51.1. To meet all applicable federal, state, and local requirements in effect at the time of delivery	YES	NO
51.2. Two (2) PRECO 7800 or equal synchronized amber strobe system with user selectable flash patterns and sequences and dash control module.	YES	NO
51.3. 1 dome receiver mounted on a self-leveling bracket on cab shield with 360 degree visibility.	YES	NO
51.4. High intensity combination hi-low beam halogen headlamps/markers/directional lights on heavy duty 3-point mounting brackets.	YES	NO
52. Reflectors		
52.1. Amber reflectors each side front of body, red reflectors each side rear of body	YES	NO
52.2. Truck Lite TL-98006Y and TL-98006R or equal	YES	NO
53. Conspicuity Tape		
53.1. 2-inch wide diamond grade Scotchlite 980-32 or equal entire length of dump body below sloping rub rails each side.	YES	NO
53.2. "Stay Back 30 Feet" Sign	YES	NO
53.3. 19-inches wide x 18-inches long reflective self-adhesive with red lettering; first line: "STAY BACK" in 3-inch lettering; second line: "30" in 7-inch lettering; third line "FEET" in 4-inch lettering. Installed on tailgate.	YES	NO
54. Backup Alarm		
54.1. Single sound level, 107 decibels, 12V	YES	NO
54.2. PRECO 45A or equal installed on rear cross member of frame.	YES	NO
55. Splash Guards		
55.1. Heavy-duty poly installed ahead of and behind rear axle.	YES	NO
55.2. 24-inch x 36-inch	YES	NO
55.3. Solid black (no logos)	YES	NO
55.4. Front splashguards mounted in a heavy-duty metal bracket welded and braced to subframe.	YES	NO

VENDOR NAME: _____

56. Tool Box		
56.1. 24-inch x 18-inch underbody tool box with "T" twist handle latch	YES	NO
56.2. Lock and key	YES	NO
56.3. Mounted to frame behind cab.	YES	NO
57. Buck Plate		
57.1. Full width of truck frame	YES	NO
57.2. ¾-inch steel plate continuously welded to rear truck frame with ¾-inch thick gussets.	YES	NO
57.3. 18-inch in height	YES	NO
57.4. Lower corners tapered	YES	NO
57.5. 10-inch recessed section, 4-inch deep used for installation of glad hands and spreader hydraulics.	YES	NO
57.6. Fitting; all holes drilled	YES	NO
58. Hitch		
58.1. 25-ton swivel, pintle-type hitch with replaceable neoprene bushings (no spring mount)	YES	NO
58.2. Premier #235 or equal	YES	NO
58.3. Safety chain ring.	YES	NO
59. Warranty		
59.1. 3-year/36,000 bumper-to-bumper factory warranty on chassis and body. No deductible. Warranty shall cover entire assembled vehicle and all parts and accessories, except tires and normal wear items.	YES	NO
59.2. 5-year warranty on engine and transmission, to include all parts and labor. No deductible.	YES	NO
59.3. Offeror must identify in its bid the name and location of the Albuquerque Metro Area warranty repair facility, which must be fully capable of performing any and all necessary warranty repairs during the warranty period.	YES	NO
59.4. Acceptance of identified warranty repair facility by the City is subject to evaluation by the City; non-acceptance by the City may cause you offer to be considered non-responsive.	YES	NO
59.5. During the entire warranty period, warranty repairs must be initiated within 3 working days of notification by the City (and presentation of the vehicle) to the warranty repair facility.	YES	NO
59.6. Warranty repairs must be completed within 5 working days after initiation of work, unless delays can be proven to be beyond the control of the warranty repair facility.	YES	NO
59.7. Contractor shall take full responsibility for all warranty repairs, regardless of who performs the repairs.	YES	NO
60. Standard Equipment		
60.1. Two (2) sets of keys shall be provided with each unit.	YES	NO
60.2. Unit furnished must have all standard equipment listed in official factory literature at the time of manufacture.	YES	NO
61. Training		
61.1. Upon request by the City, up to 4 hours of repair and/or operation instruction shall be provided by the factory-trained personnel.	YES	NO
61.2. Training shall be provided for up to 8 City staff, as designated by the Fleet Management Division.	YES	NO
61.3. Training schedule shall be set as mutually agreeable to City and contractor.	YES	NO
61.4. Contractor must provide training within 3 months of delivery unless the City declines, which shall constitute forfeiture of the training by the City.	YES	NO
62. Unit(s) furnished must meet all applicable federal, state, and local requirements in effect at the time of delivery.	YES	NO

OPTIONS

Price each of the options by make/model number. Also list and price other options offered for each make/model that are not specifically listed below. These options shall include up-fitted items

DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*	MEETS SPECIFICATIONS *(circle appropriate answer)*	
A. Central hydraulics system including crankshaft-drive hydraulic pump. *(ADD)*		$	YES	NO
B. Constant-drive transmission PTO driven hydraulic pump; Chelsea 266. *(ADD)*		$	YES	NO
C. Hot shift PTO (Chelsea 277) in lieu of above. *(ADD)*		$	YES	NO

VENDOR NAME: _____

D. AR400 steel floor, sides and tailgate (in dump body). *(ADD)*		$	YES	NO
E. Spreader apron on dump body. *(ADD)*		$	YES	NO
F. Delete air-actuated tailgate. *(DEDUCT)*		$	YES	NO
G. Easily removable hydraulic-powered high lift tailgate with enclosed cylinders; power tailgate control integrated with air latch control to prevent operation of power lift tailgate when latched. *(ADD)*		$	YES	NO
H. Air cylinder operation in lieu of hydraulic operation on above option. *(ADD)*		$	YES	NO
I. Delete coal door in tailgate. *(DEDUCT)*		$	YES	NO
J. Clear drain air brake dryer system in lieu of standard system. *(ADD)*		$	YES	NO
K. 5-year/50,000 mile warranty on entire vehicle. No deductible. *(ADD)*		$	YES	NO

ADDITIONAL OPTIONS

Complete below for additional options; attach additional page(s) for additional offered options

DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*
L.		$
M.		$
N.		$
O.		$
P.		$
Q.		$
R.		$
S.		$
T.		$
U.		$
V.		$

VENDOR NAME: _____

SPECIFICATIONS – ITEM 3
37,600 LB. GVWR CAB/CHASSIS WITH FIFTH WHEEL PLATE
RFB2007-056-SB

The following specifications are the *minimum acceptable* for furnishing **37,600 LB. GVWR CAB/CHASSIS WITH FIFTH WHEEL PLATE** to the City of Albuquerque as a result of this solicitation. Units furnished shall meet or exceed the physical and/or performance specifications of the reference model(s) below. The City may waive any minor exceptions, if doing so is in its best interests. The City also reserves the right to negotiate options not listed on this solicitation or not initially offered by the vendor, subject to mutual agreement. Quantities are estimated. Actual purchases will be made subject to availability of sufficient funds.

Bidder shall state exact make(s) and year(s) of vehicle and body offered. Complete the specification chart and attach *detailed* manufacturer literature that show both standard features and options, and state factory production schedules for the offered models. Offers must include the exact make/model of chassis, engine, transmission, and dump body offered. Include road performance data with your offer. Failure to do so may cause your offer to be rejected.

Bidder shall include with offer detailed specifications on line items where "Manufacturer's Standard" is specified.

ITEM	QUANTITY *(estimate)*	UNIT	DESCRIPTION	REFERENCE MODEL (*Current Model*)
3	1	each	37,600 lb. GVWR Cab/Chassis with Fifth Wheel Plate	Kenworth T300, Freightliner M2, or equal
			BASE COST PER UNIT:	$
			MODEL:	
			MAKE:	
			ENGINE:	

STANDARD SPECIFICATIONS	MEETS SPECIFICATIONS *(circle appropriate answer)*	
1. Wheelbase		
1.1. Manufacturer's standard, sufficient to properly accommodate cab/chassis and specified body	YES	NO
2. Cab to Axle		
2.1. Manufacturer's standard, sufficient to properly accommodate specified body	YES	NO
3. Engine		
3.1. 275 horsepower	YES	NO
3.2. Wet-sleeve	YES	NO
3.3. Six cylinder	YES	NO
3.4. Turbo-charge diesel	YES	NO
4. Engine Torque Rating		
4.1. 800 ft. lb. at rated RPM	YES	NO
4.2. Engine Air Intake	YES	NO
4.3. Engine air diverter to shut off external intake and pull air from engine compartment.	YES	NO
5. Exhaust		
5.1. Right hand vertical stack with muffler and rain protection	YES	NO
6. Engine Shut-Down System		
6.1. High engine temperature, low oil pressure	YES	NO
7. Cooling System		
7.1. Maximum available	YES	NO
7.2. Copper/brass radiator	YES	NO
7.3. Electric auxiliary cooling fan for low speed operation	YES	NO
7.4. ON/OFF fan	YES	NO
8. Electrical System		
8.1. 12 volt	YES	NO
8.2. Dual batteries with 1050 CCA combined	YES	NO

VENDOR NAME: _____

8.3. In weather tight enclosure	YES	NO
8.4. 130 amp alternator	YES	NO
8.5. Heavy-duty flasher	YES	NO
8.6. Circuit breakers in lieu of fuses	YES	NO
8.7. Master disconnect switch	YES	NO
8.8. Jump start stud	YES	NO
8.9. Jumper cable jack at battery box with 20-foot heavy duty jumper cables.	YES	NO
9. Transmission		
9.1. Five speed, automatic	YES	NO
9.2. Allison 3500 RDS or equal	YES	NO
9.3. Push button pad shift console mounted on dashboard.	YES	NO
10. Service Brakes		
10.1. Dual air operated system	YES	NO
10.2. Anti-lock	YES	NO
10.3. Bendix, or equal with blink code diagnostics	YES	NO
10.4. 13 C.F.M. (minimum) air compressor, automatic slack adjusters and Bendix or equal air dryer	YES	NO
10.5. Spring loaded parking/emergency rear brake canisters	YES	NO
10.6. “Hub piloted” outboard mounted brake drums	YES	NO
11. Trailer Air Brake System		
11.1. Shall include air lines extending to rear of truck inside each frame rail to actuate air brakes of towed trailer units, with column mounted hand lever to actuate trailer brakes independently, and pressure loss protection valve.	YES	NO
12. Trailer Electric Brake Controller		
12.1. In-cab	YES	NO
12.2. Tekonsha, or equal, wired to 7-way plugs on buck plate.	YES	NO
13. Steering		
13.1. Hydraulic, power assist	YES	NO
14. Front Axle		
14.1. One piece I beam	YES	NO
14.2. 14,600 pound capacity	YES	NO
14.3. Oil lubricated front wheel hubs with Stemco clear caps or equal	YES	NO
15. Front Suspension		
15.1. Multi leaf with heavy duty shocks to meet axle capacity and gross vehicle weight	YES	NO
16. Rear Axle		
16.1. 23,000 pound capacity	YES	NO
16.2. Magnetic filler and drain plugs	YES	NO
16.3. Drive ratio to achieve approximately 59-66 MPH at 2,000 – 2,200 RPM.	YES	NO
17. Differential		
17.1. Driver controlled positive traction	YES	NO
18. Rear Suspension		
18.1. Multi leaf, with auxiliary to meet axle capacity and gross vehicle weight. *(or equal alternate rear suspension)*	YES	NO

VENDOR NAME: _____

19. Drive Line		
19.1. Spicer 1710 series or equal	YES	NO
20. Frame		
20.1. To meet 37,600 GVWR	YES	NO
21. Bumper		
21.1. Heavy-duty	YES	NO
21.2. 12-inch structural steel channel	YES	NO
21.3. Ends contoured to shape of chassis hood	YES	NO
21.4. Mounted to frame with ½-inch x 6-inch steel plate, continuously welded on each side	YES	NO
21.5. Bolt-mount with 5/8-inch grade 8 bolts	YES	NO
22. Tires		
22.1. Steel belted 16-ply radial, to meet gross vehicle weight	YES	NO
22.2. 12R22/5 (or equal) in front and 11R22/5 (or equal) in rear	YES	NO
23. Wheels		
23.1. One piece, steel disc (budd type)	YES	NO
24. Fuel Tanks/Capacity		
24.1. Dual step-type	YES	NO
24.2. 100 gallons combined capacity *(nominal)*	YES	NO
24.3. Minimum 14-inch ground clearance	YES	NO
24.4. Auxiliary non-skid metal step below tank step, welded to tank brackets	YES	NO
25. Cab		
25.1. Factory standard conventional cab with air conditioning and heat (see item 33)	YES	NO
25.2. Front air intake diverter	YES	NO
26. Seating		
26.1. Driver: High back air suspension cloth seats, National or equal	YES	NO
26.2. Passenger: Bench style to accommodate two (2) passengers	YES	NO
27. Fender Guides		
27.1. Manufacturer standard, dual, front fender mounted, stainless steel with convex mirrors	YES	NO
28. Rock Screens		
28.1. Expanded metal, with ¼-inch openings for front oil coolers and, behind grill for radiator.	YES	NO
29. Paint		
29.1. Factory applied, Cab: white; Frame: black	YES	NO
30. Trailer Connectors		
30.1. 7-way connector plugs at rear in buck plate.	YES	NO
31. Mirrors		
31.1. Dual heated right and left West Coast Style with 8-inch diameter convex mirrors below	YES	NO
32. Sun Visors		
32.1. Driver and passenger	YES	NO
33. Climate Control		
33.1. Manufacturer's standard, multi-speed fresh air heater/defroster and air conditioning	YES	NO
34. Radio		
34.1. Factory standard AM/FM radio	YES	NO

VENDOR NAME: _____

35. Fenders		
35.1. Quarter fenders on rear wheels with mud flaps	YES	NO
36. Factory Manuals		
36.1. 1 set each per truck; Operators, Repair, Parts Manuals	YES	NO
36.2. Line sheet	YES	NO
36.3. Electrical schematic	YES	NO
37. Instrumentation		
37.1. To include but not limited to: engine oil pressure, tachometer, odometer, hour meter, coolant temperature, transmission temperature, transmission oil level, voltmeter, air pressure, and fuel gauge.	YES	NO
38. Electronics		
38.1. Road speed governor	YES	NO
38.2. Engine protection system	YES	NO
38.3. Comprehensive engine diagnostics	YES	NO
38.4. Adjustable low idle speed	YES	NO
39. Lighting		
39.1. Manufacturer's standard	YES	NO
39.2. To meet all current applicable local, state, and federal DOT and FMVSS regulations	YES	NO
40. Miscellaneous		
40.1. Tilt steering wheel	YES	NO
40.2. Cold weather starting aid	YES	NO
40.3. Engine block heater	YES	NO
40.4. Fresh air intake heater	YES	NO
40.5. Marker lamps	YES	NO
40.6. All glass factory tinted	YES	NO
40.7. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings	YES	NO
40.8. Windshield washers	YES	NO
40.9. Shoulder harness seat belts	YES	NO
40.10. Cigarette lighter	YES	NO
40.11. Ash tray	YES	NO
40.12. Dome light	YES	NO
40.13. Dual map lights	YES	NO
40.14. Exterior grab handles for entering/exiting cab	YES	NO
40.15. All wiring in split plastic looms unless otherwise stated	YES	NO
41. Fifth-Wheel; stationary type, angle mount.	YES	NO
42. Catwalk; non-skid behind cab.	YES	NO
43. Warranty		
43.1. 3-year/36,000 bumper-to-bumper factory warranty on chassis and body. No deductible. Warranty shall cover entire assembled vehicle and all parts and accessories, except tires and normal wear items.	YES	NO
43.2. 5-year warranty on engine and transmission, to include all parts and labor. No deductible.	YES	NO
43.3. Offeror must identify in its bid the name and location of the Albuquerque Metro Area warranty repair facility, which must be fully capable of performing any and all necessary warranty repairs during the warranty period.	YES	NO
43.4. Acceptance of identified warranty repair facility by the City is subject to evaluation by the City. Non-acceptance by the City may cause you offer to be considered non-responsive.	YES	NO
43.5. During the entire warranty period, warranty repairs must be initiated within 3 working days of notification by the City (and presentation of the vehicle) to the warranty repair facility.	YES	NO

VENDOR NAME: _____

43.6. Warranty repairs must be completed within 5 working days after initiation of work, unless delays can be proven to be beyond the control of the warranty repair facility.	YES	NO
43.7. Contractor shall take full responsibility for all warranty repairs, regardless of who performs the repairs.	YES	NO
44. Standard Equipment		
44.1. Unit furnished must have all standard equipment listed in official factory literature at the time of manufacture.	YES	NO
45. Training		
45.1. Upon request by the City, up to 4 hours of repair and/or operation instruction shall be provided by the factory-trained personnel.	YES	NO
45.2. Training shall be provided for up to 8 City staff, as designated by the Fleet Management Division.	YES	NO
45.3. Training schedule shall be set as mutually agreeable to City and contractor.	YES	NO
45.4. Contractor must provide training within 30 days of delivery unless the City declines, which shall constitute forfeiture of the training by the City.	YES	NO
46. Unit(s) furnished must meet all applicable federal, state, and local requirements in effect at the time of delivery.	YES	NO

ADDITIONAL OPTIONS

Complete below for additional options; attach additional page(s) for additional offered options

DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*
A.		$
B.		$
C.		$
D.		$
E.		$
F.		$
G.		$
H.		$
I.		$
J.		$
K.		$

VENDOR NAME: _____

SPECIFICATIONS – ITEM 4
37,600 LB. GVWR CAB/CHASSIS WITH ARTICULATING CRANE
RFB2007-056-SB

The following specifications are the *minimum acceptable* for furnishing **37,600 LB. GVWR CAB/CHASSIS WITH ARTICULATING CRANE** to the City of Albuquerque as a result of this solicitation. Units furnished shall meet or exceed the physical and/or performance specifications of the reference model(s) below. The City may waive any minor exceptions, if doing so is in its best interests. The City also reserves the right to negotiate options not listed on this solicitation or not initially offered by the vendor, subject to mutual agreement. Quantities are estimated. Actual purchases will be made subject to availability of sufficient funds.

Bidder shall state exact make(s) and year(s) of vehicle and body offered. Complete the specification chart and attach *detailed* manufacturer literature that show both standard features and options, and state factory production schedules for the offered models. Offers must include the exact make/model of chassis, engine, transmission, and dump body offered. Include road performance data with your offer. Failure to do so may cause your offer to be rejected.

Bidder shall include with offer detailed specifications on line items where "Manufacturer's Standard" is specified.

ITEM	QUANTITY *(estimate)*	UNIT	DESCRIPTION	REFERENCE MODEL (*Current Model*)
4	1	each	37,600 lb. GVWR Cab/Chassis with Articulating Crane	Kenworth T300, Freightliner M2, or equal with IMT 15/113 Knuckleboom Crane or equal
			BASE COST PER UNIT:	$
			MODEL:	
			MAKE:	
			ENGINE:	

STANDARD SPECIFICATIONS	MEETS SPECIFICATIONS *(circle appropriate answer)*	
1. Wheelbase		
1.1. Manufacturer's standard, sufficient to properly accommodate cab/chassis and specified body	YES	NO
2. Cab to Axle		
2.1. Manufacturer's standard, sufficient to properly accommodate specified body	YES	NO
3. Engine		
3.1. 275 horsepower	YES	NO
3.2. Wet-sleeve	YES	NO
3.3. Six cylinder	YES	NO
3.4. Turbo-charge diesel	YES	NO
4. Engine Torque Rating		
4.1. 800 ft. lb. at rated RPM	YES	NO
4.2. Engine Air Intake	YES	NO
4.3. Engine air diverter to shut off external intake and pull air from engine compartment.	YES	NO
5. Exhaust		
5.1. Right hand vertical stack with muffler and rain protection	YES	NO
6. Engine Shut-Down System		
6.1. High engine temperature, low oil pressure	YES	NO
7. Cooling System		
7.1. Maximum available	YES	NO
7.2. Copper/brass radiator	YES	NO
7.3. Electric auxiliary cooling fan for low speed operation	YES	NO
7.4. ON/OFF fan	YES	NO
8. Electrical System		
8.1. 12 volt	YES	NO
8.2. Dual batteries with 1050 CCA combined	YES	NO
8.3. In weather tight enclosure	YES	NO

VENDOR NAME: _____

8.4. 130 amp alternator	YES	NO
8.5. Heavy-duty flasher	YES	NO
8.6. Circuit breakers in lieu of fuses	YES	NO
8.7. Master disconnect switch	YES	NO
8.8. Jump start stud	YES	NO
8.9. Jumper cable jack at battery box with 20-foot heavy duty jumper cables.	YES	NO
9. Transmission		
9.1. Five speed, automatic	YES	NO
9.2. Allison 3500 RDS or equal	YES	NO
9.3. Push button pad shift console mounted on dashboard.	YES	NO
10. Service Brakes		
10.1. Dual air operated system	YES	NO
10.2. Anti-lock	YES	NO
10.3. Bendix, or equal with blink code diagnostics	YES	NO
10.4. 13 C.F.M. (minimum) air compressor, automatic slack adjusters and Bendix or equal air dryer	YES	NO
10.5. Spring loaded parking/emergency rear brake canisters	YES	NO
10.6. “Hub piloted” outboard mounted brake drums	YES	NO
11. Steering		
11.1. Hydraulic, power assist	YES	NO
12. Front Axle		
12.1. One piece I beam	YES	NO
12.2. 14,600 pound capacity	YES	NO
12.3. Oil lubricated front wheel hubs with Stemco clear caps or equal	YES	NO
13. Front Suspension		
13.1. Multi leaf with heavy duty shocks to meet axle capacity and gross vehicle weight	YES	NO
14. Rear Axle		
14.1. 23,000 pound capacity	YES	NO
14.2. Magnetic filler and drain plugs	YES	NO
14.3. Drive ratio to achieve approximately 59-66 MPH at 2,000 – 2,200 RPM.	YES	NO
15. Differential		
15.1. Driver controlled positive traction	YES	NO
16. Rear Suspension		
16.1. Multi leaf, with auxiliary to meet axle capacity and gross vehicle weight. *(or equal alternate rear suspension)*	YES	NO
17. Drive Line		
17.1. Spicer 1710 series or equal	YES	NO
18. Frame		
18.1. To meet 37,600 GVWR	YES	NO
19. Bumper		
19.1. Heavy-duty	YES	NO
19.2. 12-inch structural steel channel	YES	NO
19.3. Ends contoured to shape of chassis hood	YES	NO
19.4. Mounted to frame with ½-inch x 6-inch steel plate, continuously welded on each side	YES	NO
19.5. Bolt-mount with 5/8-inch grade 8 bolts	YES	NO

VENDOR NAME: _____

20. Tires		
20.1. Steel belted 16-ply radial, to meet gross vehicle weight	YES	NO
20.2. 12R22/5 (or equal) in front and 11R22/5 (or equal) in rear	YES	NO
21. Wheels		
21.1. One piece, steel disc (budd type)	YES	NO
22. Fuel Tanks/Capacity		
22.1. Dual step-type	YES	NO
22.2. 100 gallons combined capacity *(nominal)*	YES	NO
22.3. Minimum 14-inch ground clearance	YES	NO
22.4. Auxiliary non-skid metal step below tank step, welded to tank brackets	YES	NO
23. Cab		
23.1. Factory standard conventional cab with air conditioning and heat (see item 33)	YES	NO
23.2. Front air intake diverter	YES	NO
24. Seating		
24.1. Driver: High back air suspension cloth seats, National or equal	YES	NO
24.2. Passenger: Bench style to accommodate two (2) passengers	YES	NO
25. Fender Guides		
25.1. Manufacturer standard, dual, front fender mounted, stainless steel with convex mirrors	YES	NO
26. Rock Screens		
26.1. Expanded metal, with ¼-inch openings for front oil coolers and, behind grill for radiator.	YES	NO
27. Paint		
27.1. Factory applied, Cab: white; Frame: black	YES	NO
28. Trailer Connectors		
28.1. 7-way connector plugs at rear in buck plate.	YES	NO
29. Mirrors		
29.1. Dual heated right and left West Coast Style with 8-inch diameter convex mirrors below	YES	NO
30. Sun Visors		
30.1. Driver and passenger	YES	NO
31. Climate Control		
31.1. Manufacturer's standard, multi-speed fresh air heater/defroster and air conditioning	YES	NO
32. Radio		
32.1. Factory standard AM/FM radio	YES	NO
33. Fenders		
33.1. Quarter fenders on rear wheels with mud flaps	YES	NO
34. Factory Manuals		
34.1. 1 set each per truck; Operators, Repair, Parts Manuals	YES	NO
34.2. Line sheet	YES	NO
34.3. Electrical schematic	YES	NO
35. Instrumentation		
35.1. To include but not limited to: engine oil pressure, tachometer, odometer, hour meter, coolant temperature, transmission temperature, transmission oil level, voltmeter, air pressure, and fuel gauge.	YES	NO
36. Electronics		
36.1. Road speed governor	YES	NO
36.2. Engine protection system	YES	NO

VENDOR NAME: _____

36.3. Comprehensive engine diagnostics		YES	NO
36.4. Adjustable low idle speed		YES	NO
37. Lighting			
37.1. Manufacturer's standard		YES	NO
37.2. To meet all current applicable local, state, and federal DOT and FMVSS regulations		YES	NO
38. Miscellaneous			
38.1. Tilt steering wheel		YES	NO
38.2. Cold weather starting aid		YES	NO
38.3. Engine block heater		YES	NO
38.4. Fresh air intake heater		YES	NO
38.5. Marker lamps		YES	NO
38.6. All glass factory tinted		YES	NO
38.7. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings		YES	NO
38.8. Windshield washers		YES	NO
38.9. Shoulder harness seat belts		YES	NO
38.10. Cigarette lighter		YES	NO
38.11. Ash tray		YES	NO
38.12. Dome light		YES	NO
38.13. Dual map lights		YES	NO
38.14. Exterior grab handles for entering/exiting cab		YES	NO
38.15. All wiring in split plastic looms unless otherwise stated		YES	NO
39. Articulating Crane Specifications (nominal)			
39.1. Crane Rating:	108,500 ft-lb	YES	NO
39.2. Maximum Horizontal Reach:	27 feet and 11 inches (27' 11")	YES	NO
39.3. Maximum Vertical Reach:	35 feet and 9 inches (35' 9")	YES	NO
39.4. Maximum Capacity:	9,480 pounds	YES	NO
39.5. Maximum Capacity at Maximum Reach:	3,825 pounds	YES	NO
39.6. Crane Weight:	3,825 pounds	YES	NO
39.7. Hook Approach:	Vertical: 8 feet (8'), Horizontal: 3 feet and 2 inches (3' 2")	YES	NO
39.8. Center of Gravity – Stored:	Vertical: 31.1 inches (31.1"), Horizontal: 0.5 inches (0.5")	YES	NO
39.9. Outrigger Pad Diameter:	9 inches (9")	YES	NO
39.10. Crane Storage Height:	7 feet and 3 inches (7' 3")	YES	NO
39.11. Mounting Space:	33 inches (33")	YES	NO
39.12. Rotational Torque:	17,360 ft-lb	YES	NO
39.13. Rotation:	410 degrees (410^0)	YES	NO
39.14. Optimum Pump Capacity:	13 U.S. gpm (49 L/min)	YES	NO
39.15. System Pressure:	4,060 psi	YES	NO
39.16. Outrigger Extension Spec			
39.16.1. Standard (manual out, hydraulic down):	16 feet and 9 inches (16' 9"), 550 pounds.	YES	NO
39.17. Capacity Chart:	See Attachment A	YES	NO
39.18. Geometric Configuration:	See Attachment B	YES	NO
40. Warranty			
40.1. Cab/Chassis Warranty			

VENDOR NAME: _____

40.1.1. 3-year/36,000 bumper-to-bumper factory warranty on chassis and body. No deductible. Warranty shall cover entire assembled vehicle and all parts and accessories, except tires and normal wear items.	YES	NO
40.1.2. 5-year warranty on engine and transmission, to include all parts and labor. No deductible.	YES	NO
40.1.3. Offeror must identify in its bid the name and location of the Albuquerque Metro Area warranty repair facility, which must be fully capable of performing any and all necessary warranty repairs during the warranty period.	YES	NO
40.1.4. Acceptance of identified warranty repair facility by the City is subject to evaluation by the City; non-acceptance by the City may cause you offer to be considered non-responsive.	YES	NO
40.1.5. During the entire warranty period, warranty repairs must be initiated within 3 working days of notification by the City (and presentation of the vehicle) to the warranty repair facility.	YES	NO
40.1.6. Warranty repairs must be completed within 5 working days after initiation of work, unless delays can be proven to be beyond the control of the warranty repair facility.	YES	NO
40.1.7. Contractor shall take full responsibility for all warranty repairs, regardless of who performs the repairs.	YES	NO
40.2. Crane Warranty		
40.2.1. 12-month warranty on labor and parts. No deductible.	YES	NO
40.2.2. 3-year warranty on crane structure. No deductible	YES	NO
41. Standard Equipment		
41.1. Unit furnished must have all standard equipment listed in official factory literature at the time of manufacture.	YES	NO
42. Training		
42.1. Upon request by the City, up to 4 hours of repair and/or operation instruction shall be provided by the factory-trained personnel.	YES	NO
42.2. Training shall be provided for up to 8 City staff, as designated by the Fleet Management Division.	YES	NO
42.3. Training schedule shall be set as mutually agreeable to City and contractor.	YES	NO
42.4. Contractor must provide training within 30 days of delivery unless the City declines, which shall constitute forfeiture of the training by the City.	YES	NO
43. Unit(s) furnished must meet all applicable federal, state, and local requirements in effect at the time of delivery.	YES	NO

OPTIONS

Price each of the options by make/model number. Also list and price other options offered for each make/model that are not specifically listed below. These options shall include up-fitted items

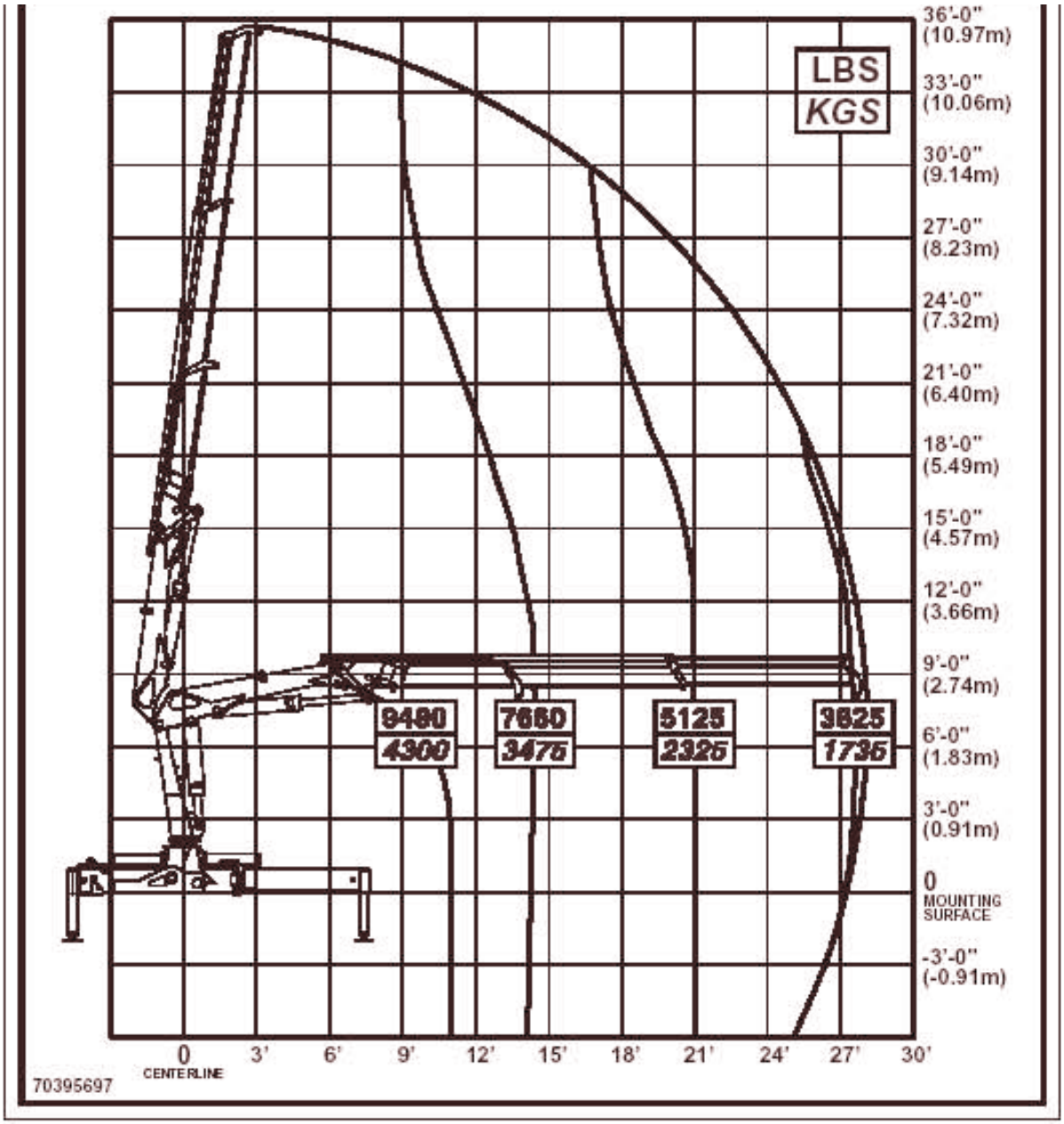
DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*	MEETS SPECIFICATIONS *(circle appropriate answer)*	
A. Extended Body Warranty: 3-year warranty on parts and labor.		$	YES	NO
B. Extended Body Warranty: 5-year warranty on parts and labor.				
C. Outrigger Extension: 21 feet and 1 inch (21' 1"), 720 pounds		$	YES	NO

ADDITIONAL OPTIONS:
Complete below for additional options; attach additional page(s) for additional offered options

DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*
D.		$
E.		$
F.		$
G.		$
H.		$

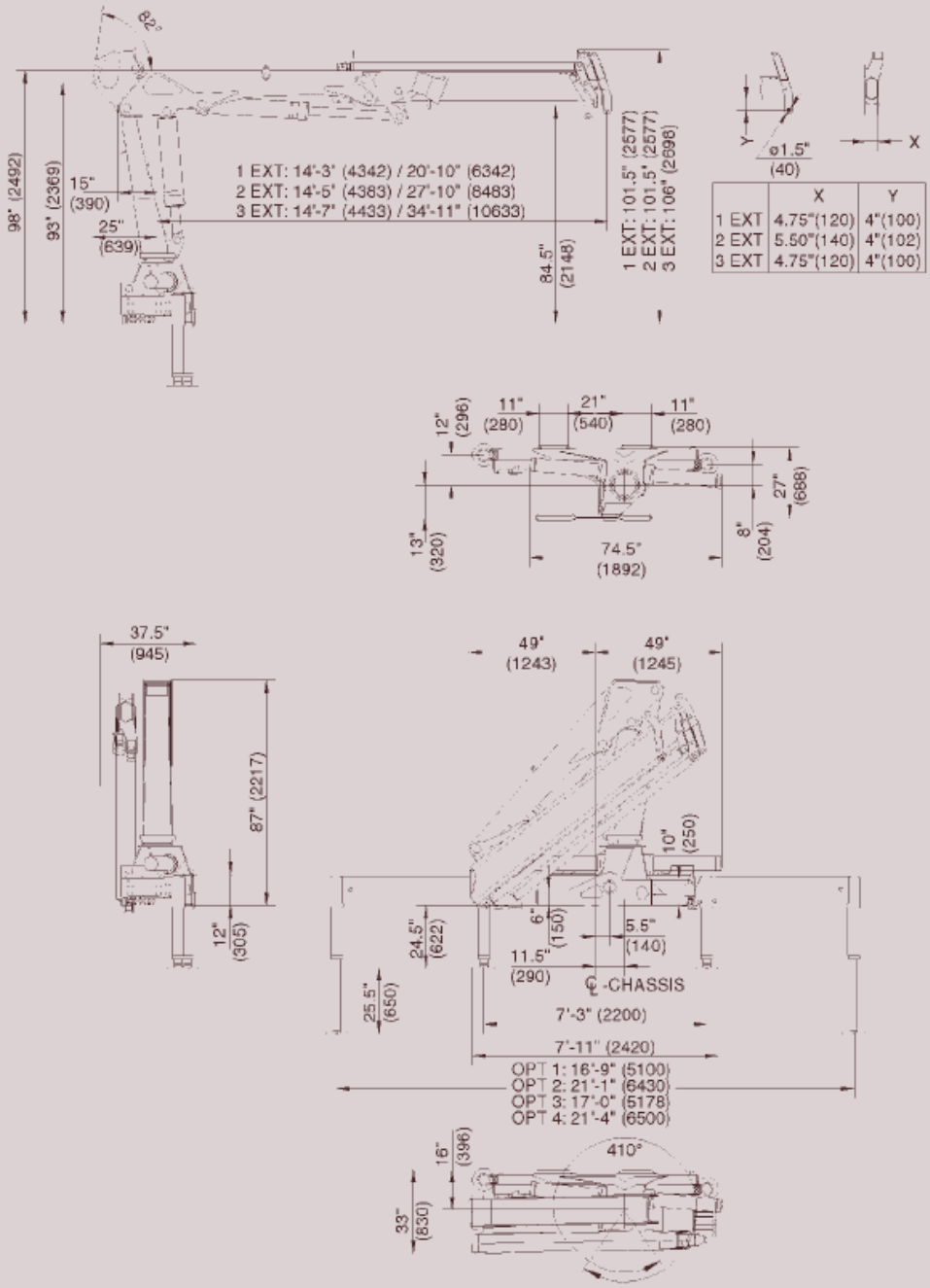
VENDOR NAME: _____

CAPACITY CHART



VENDOR NAME: _____

Geometric Configurations



	X	Y
1 EXT	4.75"(120)	4"(100)
2 EXT	5.50"(140)	4"(102)
3 EXT	4.75"(120)	4"(100)

VENDOR NAME: _____

SPECIFICATIONS – ITEM 5
37,600 LB. GVWR CAB/CHASSIS WITH WATER TANK
RFB2007-056-SB

The following specifications are the *minimum acceptable* for furnishing **37,600 LB. GVWR CAB/CHASSIS WITH WATER TANK** to the City of Albuquerque as a result of this solicitation. Units furnished shall meet or exceed the physical and/or performance specifications of the reference model(s) below. The City may waive any minor exceptions, if doing so is in its best interests. The City also reserves the right to negotiate options not listed on this solicitation or not initially offered by the vendor, subject to mutual agreement. Quantities are estimated. Actual purchases will be made subject to availability of sufficient funds.

Bidder shall state exact make(s) and year(s) of vehicle and body offered. Complete the specification chart and attach *detailed* manufacturer literature that show both standard features and options, and state factory production schedules for the offered models. Offers must include the exact make/model of chassis, engine, transmission, and dump body offered. Include road performance data with your offer. Failure to do so may cause your offer to be rejected.

ITEM	QUANTITY *(estimate)*	UNIT	DESCRIPTION	REFERENCE MODEL (*Current Model*)
5	1	each	37,600 lb. GVWR Cab/Chassis with Water Tank	Kenworth T300, Freightliner M2, or equal
			BASE COST PER UNIT:	$
			MODEL:	
			MAKE:	
			ENGINE:	

STANDARD SPECIFICATIONS	MEETS SPECIFICATIONS *(circle appropriate answer)*	
1. Wheelbase		
1.1. Manufacturer's standard, sufficient to properly accommodate cab/chassis and specified body	YES	NO
2. Cab to Axle		
2.1. Manufacturer's standard, sufficient to properly accommodate specified body	YES	NO
3. Engine		
3.1. 275 horsepower	YES	NO
3.2. Wet-sleeve	YES	NO
3.3. Six cylinder	YES	NO
3.4. Turbo-charge diesel	YES	NO
4. Engine Torque Rating		
4.1. 800 ft. lb. at rated RPM	YES	NO
4.2. Engine Air Intake	YES	NO
4.3. Engine air diverter to shut off external intake and pull air from engine compartment.	YES	NO
5. Exhaust		
5.1. Right hand vertical stack with muffler and rain protection	YES	NO
6. Engine Shut-Down System		
6.1. High engine temperature, low oil pressure	YES	NO
7. Cooling System		
7.1. Maximum available	YES	NO
7.2. Copper/brass radiator	YES	NO
7.3. Electric auxiliary cooling fan for low speed operation	YES	NO
7.4. ON/OFF fan	YES	NO
8. Electrical System		
8.1. 12 volt	YES	NO
8.2. Dual batteries with 1050 CCA combined	YES	NO
8.3. In weather tight enclosure	YES	NO
8.4. 130 amp alternator	YES	NO

VENDOR NAME: _____

8.5. Heavy-duty flasher	YES	NO
8.6. Circuit breakers in lieu of fuses	YES	NO
8.7. Master disconnect switch	YES	NO
8.8. Jump start stud	YES	NO
8.9. Jumper cable jack at battery box with 20-foot heavy duty jumper cables.	YES	NO
9. Transmission		
9.1. Five speed, automatic	YES	NO
9.2. Allison 3500 RDS or equal	YES	NO
9.3. Push button pad shift console mounted on dashboard.	YES	NO
10. Service Brakes		
10.1. Dual air operated system	YES	NO
10.2. Anti-lock	YES	NO
10.3. Bendix, or equal with blink code diagnostics	YES	NO
10.4. 13 C.F.M. (minimum) air compressor, automatic slack adjusters and Bendix or equal air dryer	YES	NO
10.5. Spring loaded parking/emergency rear brake canisters	YES	NO
10.6. “Hub piloted” outboard mounted brake drums	YES	NO
11. Steering		
11.1. Hydraulic, power assist	YES	NO
12. Front Axle		
12.1. One piece I beam	YES	NO
12.2. 14,600 pound capacity	YES	NO
12.3. Oil lubricated front wheel hubs with Stemco clear caps or equal	YES	NO
13. Front Suspension		
13.1. Multi leaf with heavy duty shocks to meet axle capacity and gross vehicle weight	YES	NO
14. Rear Axle		
14.1. 23,000 pound capacity	YES	NO
14.2. Magnetic filler and drain plugs	YES	NO
14.3. Drive ratio to achieve approximately 59-66 MPH at 2,000 – 2,200 RPM.	YES	NO
15. Differential		
15.1. Driver controlled positive traction	YES	NO
16. Rear Suspension		
16.1. Multi leaf, with auxiliary to meet axle capacity and gross vehicle weight. *(or equal alternate rear suspension)*	YES	NO
17. Drive Line		
17.1. Spicer 1710 series or equal	YES	NO
18. Frame		
18.1. To meet 37,600 GVWR	YES	NO
19. Bumper		
19.1. Heavy-duty	YES	NO
19.2. 12-inch structural steel channel	YES	NO
19.3. Ends contoured to shape of chassis hood	YES	NO
19.4. Mounted to frame with ½-inch x 6-inch steel plate, continuously welded on each side	YES	NO
19.5. Bolt-mount with 5/8-inch grade 8 bolts	YES	NO

VENDOR NAME: _____

20. Tires		
20.1. Steel belted 16-ply radial, to meet gross vehicle weight	YES	NO
20.2. 12R22/5 (or equal) in front and 11R22/5 (or equal) in rear	YES	NO
21. Wheels		
21.1. One piece, steel disc (budd type)	YES	NO
22. Fuel Tanks/Capacity		
22.1. Dual step-type	YES	NO
22.2. 100 gallons combined capacity *(nominal)*	YES	NO
22.3. Minimum 14-inch ground clearance	YES	NO
22.4. Auxiliary non-skid metal step below tank step, welded to tank brackets	YES	NO
23. Cab		
23.1. Factory standard conventional cab with air conditioning and heat (see item 33)	YES	NO
23.2. Front air intake diverter	YES	NO
24. Seating		
24.1. Driver: High back air suspension cloth seats, National or equal	YES	NO
24.2. Passenger: Bench style to accommodate two (2) passengers	YES	NO
25. Fender Guides		
25.1. Manufacturer standard, dual, front fender mounted, stainless steel with convex mirrors	YES	NO
26. Rock Screens		
26.1. Expanded metal, with ¼-inch openings for front oil coolers and, behind grill for radiator.	YES	NO
27. Paint		
27.1. Factory applied, Cab: white; Frame: black	YES	NO
28. Trailer Connectors		
28.1. 7-way connector plugs at rear in buck plate.	YES	NO
29. Mirrors		
29.1. Dual heated right and left West Coast Style with 8-inch diameter convex mirrors below	YES	NO
30. Sun Visors		
30.1. Driver and passenger	YES	NO
31. Climate Control		
31.1. Manufacturer's standard, multi-speed fresh air heater/defroster and air conditioning	YES	NO
32. Radio		
32.1. Factory standard AM/FM radio	YES	NO
33. Fenders		
33.1. Quarter fenders on rear wheels with mud flaps	YES	NO
34. Factory Manuals		
34.1. 1 set each per truck; Operators, Repair, Parts Manuals	YES	NO
34.2. Line sheet	YES	NO
34.3. Electrical schematic	YES	NO
35. Instrumentation		
35.1. To include but not limited to: engine oil pressure, tachometer, odometer, hour meter, coolant temperature, transmission temperature, transmission oil level, voltmeter, air pressure, and fuel gauge.	YES	NO
36. Electronics		
36.1. Road speed governor	YES	NO
36.2. Engine protection system	YES	NO

VENDOR NAME: _____

36.3. Comprehensive engine diagnostics	YES	NO
36.4. Adjustable low idle speed	YES	NO
37. Lighting		
37.1. Manufacturer's standard	YES	NO
37.2. To meet all current applicable local, state, and federal DOT and FMVSS regulations	YES	NO
38. Miscellaneous		
38.1. Tilt steering wheel	YES	NO
38.2. Cold weather starting aid	YES	NO
38.3. Engine block heater	YES	NO
38.4. Fresh air intake heater	YES	NO
38.5. Marker lamps	YES	NO
38.6. All glass factory tinted	YES	NO
38.7. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings	YES	NO
38.8. Windshield washers	YES	NO
38.9. Shoulder harness seat belts	YES	NO
38.10. Cigarette lighter	YES	NO
38.11. Ash tray	YES	NO
38.12. Dome light	YES	NO
38.13. Dual map lights	YES	NO
38.14. Exterior grab handles for entering/exiting cab	YES	NO
38.15. All wiring in split plastic looms unless otherwise stated	YES	NO
39. Warranty		
39.1. 3-year/36,000 bumper-to-bumper factory warranty on chassis and body. No deductible.	YES	NO
39.2. 5-year warranty on engine and transmission, to include all parts and labor. No deductible.	YES	NO
39.3. Warranty shall cover entire assembled vehicle and all parts and accessories, except tires and normal wear items.	YES	NO
39.4. Offeror must identify in its bid the name and location of the Albuquerque Metro Area warranty repair facility, which must be fully capable of performing any and all necessary warranty repairs during the warranty period.	YES	NO
39.5. Acceptance of identified warranty repair facility by the City is subject to evaluation by the City.	YES	NO
39.6. Non-acceptance by the City may cause you offer to be considered non-responsive.	YES	NO
39.7. During the entire warranty period, warranty repairs must be initiated within 3 working days of notification by the City (and presentation of the vehicle) to the warranty repair facility.	YES	NO
39.8. Warranty repairs must be completed within 5 working days after initiation of work, unless delays can be proven to be beyond the control of the warranty repair facility.	YES	NO
39.9. Contractor shall take full responsibility for all warranty repairs, regardless of who performs the repairs.	YES	NO
40. Standard Equipment		
40.1. Unit furnished must have all standard equipment listed in official factory literature at the time of manufacture.	YES	NO
41. Training		
41.1. Upon request by the City, up to 4 hours of repair and/or operation instruction shall be provided by the factory-trained personnel.	YES	NO
41.2. Training shall be provided for up to 8 City staff, as designated by the Fleet Management Division.	YES	NO
41.3. Training schedule shall be set as mutually agreeable to City and contractor.	YES	NO
41.4. Contractor must provide training within 30 days of delivery unless the City declines, which shall constitute forfeiture of the training by the City.	YES	NO
42. Unit(s) furnished must meet all applicable federal, state, and local requirements in effect at the time of delivery.	YES	NO

VENDOR NAME: _____

ADDITIONAL OPTIONS		
Complete below for additional options; attach additional page(s) for additional offered options		
DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*
A.		$
B.		$
C.		$
D.		$
E.		$
F.		$
G.		$
H.		$
I.		$
J.		$
K.		$
L.		$
M.		$
N.		$
O.		$

VENDOR NAME: _____

SPECIFICATIONS – ITEM 6
37,600 LB. GVWR CAB/CHASSIS WITH STAKE BODY
RFB2007-056-SB

The following specifications are the *minimum acceptable* for furnishing **37,600 LB. GVWR CAB/CHASSIS WITH STAKE BODY** to the City of Albuquerque as a result of this solicitation. Units furnished shall meet or exceed the physical and/or performance specifications of the reference model(s) below. The City may waive any minor exceptions, if doing so is in its best interests. The City also reserves the right to negotiate options not listed on this solicitation or not initially offered by the vendor, subject to mutual agreement. Quantities are estimated. Actual purchases will be made subject to availability of sufficient funds.

Bidder shall state exact make(s) and year(s) of vehicle and body offered. Complete the specification chart and attach *detailed* manufacturer literature that show both standard features and options, and state factory production schedules for the offered models. Offers must include the exact make/model of chassis, engine, transmission, and dump body offered. Include road performance data with your offer. Failure to do so may cause your offer to be rejected.

ITEM	QUANTITY *(estimate)*	UNIT	DESCRIPTION	REFERENCE MODEL (*Current Model*)
6	1	each	37,600 lb. GVWR Cab/Chassis with Stake Body	Kenworth T300, Freightliner M2, or equal
			BASE COST PER UNIT:	$
			MODEL:	
			MAKE:	
			ENGINE:	

STANDARD SPECIFICATIONS	MEETS SPECIFICATIONS *(circle appropriate answer)*	
1. Wheelbase		
1.1. Manufacturer's standard, sufficient to properly accommodate cab/chassis and specified body	YES	NO
2. Cab to Axle		
2.1. Manufacturer's standard, sufficient to properly accommodate specified body	YES	NO
3. Engine		
3.1. 275 horsepower	YES	NO
3.2. Wet-sleeve	YES	NO
3.3. Six cylinder	YES	NO
3.4. Turbo-charge diesel	YES	NO
4. Engine Torque Rating		
4.1. 800 ft. lb. at rated RPM	YES	NO
4.2. Engine Air Intake	YES	NO
4.3. Engine air diverter to shut off external intake and pull air from engine compartment.	YES	NO
5. Exhaust		
5.1. Right hand vertical stack with muffler and rain protection	YES	NO
6. Engine Shut-Down System		
6.1. High engine temperature, low oil pressure	YES	NO
7. Cooling System		
7.1. Maximum available	YES	NO
7.2. Copper/brass radiator	YES	NO
7.3. Electric auxiliary cooling fan for low speed operation	YES	NO
7.4. ON/OFF fan	YES	NO
8. Electrical System		
8.1. 12 volt	YES	NO
8.2. Dual batteries with 1050 CCA combined	YES	NO
8.3. In weather tight enclosure	YES	NO
8.4. 130 amp alternator	YES	NO

VENDOR NAME: _____

8.5. Heavy-duty flasher	YES	NO
8.6. Circuit breakers in lieu of fuses	YES	NO
8.7. Master disconnect switch	YES	NO
8.8. Jump start stud	YES	NO
8.9. Jumper cable jack at battery box with 20-foot heavy duty jumper cables.	YES	NO
9. Transmission		
9.1. Five speed, automatic	YES	NO
9.2. Allison 3500 RDS or equal	YES	NO
9.3. Push button pad shift console mounted on dashboard.	YES	NO
10. Service Brakes		
10.1. Dual air operated system	YES	NO
10.2. Anti-lock	YES	NO
10.3. Bendix, or equal with blink code diagnostics	YES	NO
10.4. 13 C.F.M. (minimum) air compressor, automatic slack adjusters and Bendix or equal air dryer	YES	NO
10.5. Spring loaded parking/emergency rear brake canisters	YES	NO
10.6. “Hub piloted” outboard mounted brake drums	YES	NO
11. Steering		
11.1. Hydraulic, power assist	YES	NO
12. Front Axle		
12.1. One piece I beam	YES	NO
12.2. 14,600 pound capacity	YES	NO
12.3. Oil lubricated front wheel hubs with Stemco clear caps or equal	YES	NO
13. Front Suspension		
13.1. Multi leaf with heavy duty shocks to meet axle capacity and gross vehicle weight	YES	NO
14. Rear Axle		
14.1. 23,000 pound capacity	YES	NO
14.2. Magnetic filler and drain plugs	YES	NO
14.3. Drive ratio to achieve approximately 59-66 MPH at 2,000 – 2,200 RPM.	YES	NO
15. Differential		
15.1. Driver controlled positive traction	YES	NO
16. Rear Suspension		
16.1. Multi leaf, with auxiliary to meet axle capacity and gross vehicle weight. *(or equal alternate rear suspension)*	YES	NO
17. Drive Line		
17.1. Spicer 1710 series or equal	YES	NO
18. Frame		
18.1. To meet 37,600 GVWR	YES	NO
19. Bumper		
19.1. Heavy-duty	YES	NO
19.2. 12-inch structural steel channel	YES	NO
19.3. Ends contoured to shape of chassis hood	YES	NO
19.4. Mounted to frame with ½-inch x 6-inch steel plate, continuously welded on each side	YES	NO
19.5. Bolt-mount with 5/8-inch grade 8 bolts	YES	NO

VENDOR NAME: _____

20. Tires		
20.1. Steel belted 16-ply radial, to meet gross vehicle weight	YES	NO
20.2. 12R22/5 (or equal) in front and 11R22/5 (or equal) in rear	YES	NO
21. Wheels		
21.1. One piece, steel disc (budd type)	YES	NO
22. Fuel Tanks/Capacity		
22.1. Dual step-type	YES	NO
22.2. 100 gallons combined capacity *(nominal)*	YES	NO
22.3. Minimum 14-inch ground clearance	YES	NO
22.4. Auxiliary non-skid metal step below tank step, welded to tank brackets	YES	NO
23. Cab		
23.1. Factory standard conventional cab with air conditioning and heat (see item 33)	YES	NO
23.2. Front air intake diverter	YES	NO
24. Seating		
24.1. Driver: High back air suspension cloth seats, National or equal	YES	NO
24.2. Passenger: Bench style to accommodate two (2) passengers	YES	NO
25. Fender Guides		
25.1. Manufacturer standard, dual, front fender mounted, stainless steel with convex mirrors	YES	NO
26. Rock Screens		
26.1. Expanded metal, with ¼-inch openings for front oil coolers and, behind grill for radiator.	YES	NO
27. Paint		
27.1. Factory applied, Cab: white; Frame: black	YES	NO
28. Trailer Connectors		
28.1. 7-way connector plugs at rear in buck plate.	YES	NO
29. Mirrors		
29.1. Dual heated right and left West Coast Style with 8-inch diameter convex mirrors below	YES	NO
30. Sun Visors		
30.1. Driver and passenger	YES	NO
31. Climate Control		
31.1. Manufacturer's standard, multi-speed fresh air heater/defroster and air conditioning	YES	NO
32. Radio		
32.1. Factory standard AM/FM radio	YES	NO
33. Fenders		
33.1. Quarter fenders on rear wheels with mud flaps	YES	NO
34. Factory Manuals		
34.1. 1 set each per truck; Operators, Repair, Parts Manuals	YES	NO
34.2. Line sheet	YES	NO
34.3. Electrical schematic	YES	NO
35. Instrumentation		
35.1. To include but not limited to: engine oil pressure, tachometer, odometer, hour meter, coolant temperature, transmission temperature, transmission oil level, voltmeter, air pressure, and fuel gauge.	YES	NO
36. Electronics		
36.1. Road speed governor	YES	NO
36.2. Engine protection system	YES	NO

VENDOR NAME: _____

36.3. Comprehensive engine diagnostics	YES	NO
36.4. Adjustable low idle speed	YES	NO
37. Lighting		
37.1. Manufacturer's standard	YES	NO
37.2. To meet all current applicable local, state, and federal DOT and FMVSS regulations	YES	NO
38. Miscellaneous		
38.1. Tilt steering wheel	YES	NO
38.2. Cold weather starting aid	YES	NO
38.3. Engine block heater	YES	NO
38.4. Fresh air intake heater	YES	NO
38.5. Marker lamps	YES	NO
38.6. All glass factory tinted	YES	NO
38.7. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings	YES	NO
38.8. Windshield washers	YES	NO
38.9. Shoulder harness seat belts	YES	NO
38.10. Cigarette lighter	YES	NO
38.11. Ash tray	YES	NO
38.12. Dome light	YES	NO
38.13. Dual map lights	YES	NO
38.14. Exterior grab handles for entering/exiting cab	YES	NO
38.15. All wiring in split plastic looms unless otherwise stated	YES	NO
39. Stake Body Specifications		
39.1. Platforms & Sides		
39.1.1. Dimensions:		
39.1.1.1. 18 feet 3 inches long x 96 inches OD width (8' 3" x 96")	YES	NO
39.1.2. Rubrail		
39.1.2.1. 6-inch formed 12-gauge 50,000 PSI steel with internal 2-inch x 4-inch four sided perimeter stake pockets on 24-inch centers	YES	NO
39.1.3. Cross members		
39.1.3.1. 5-inch formed 11-gauge 50,000 PSI steel gusseted every member to longitudinal members	YES	NO
39.1.4. Longitudinal members		
39.1.4.1. 7-inch one piece channel steel	YES	NO
39.1.5. Floor		
39.1.5.1. 3/16-inch treadplate steel	YES	NO
39.1.6. Mudflaps		
39.1.6.1. Non-logo, anti-sail	YES	NO
39.1.7. Black paint	YES	NO
40. Warranty		
40.1. 3-year/36,000 bumper-to-bumper factory warranty on chassis and body. No deductible.	YES	NO
40.2. 5-year warranty on engine and transmission, to include all parts and labor. No deductible.	YES	NO
40.3. Warranty shall cover entire assembled vehicle and all parts and accessories, except tires and normal wear items.	YES	NO
40.4. Offeror must identify in its bid the name and location of the Albuquerque Metro Area warranty repair facility, which must be fully capable of performing any and all necessary warranty repairs during the warranty period.	YES	NO
40.5. Acceptance of identified warranty repair facility by the City is subject to evaluation by the City.	YES	NO

VENDOR NAME: _____

40.6. Non-acceptance by the City may cause you offer to be considered non-responsive.	YES	NO
40.7. During the entire warranty period, warranty repairs must be initiated within 3 working days of notification by the City (and presentation of the vehicle) to the warranty repair facility.	YES	NO
40.8. Warranty repairs must be completed within 5 working days after initiation of work, unless delays can be proven to be beyond the control of the warranty repair facility.	YES	NO
40.9. Contractor shall take full responsibility for all warranty repairs, regardless of who performs the repairs.	YES	NO
41. Standard Equipment		
41.1. Unit furnished must have all standard equipment listed in official factory literature at the time of manufacture.	YES	NO
42. Training		
42.1. Upon request by the City, up to 4 hours of repair and/or operation instruction shall be provided by the factory-trained personnel.	YES	NO
42.2. Training shall be provided for up to 8 City staff, as designated by the Fleet Management Division.	YES	NO
42.3. Training schedule shall be set as mutually agreeable to City and contractor.	YES	NO
42.4. Contractor must provide training within 30 days of delivery unless the City declines, which shall constitute forfeiture of the training by the City.	YES	NO
43. Unit(s) furnished must meet all applicable federal, state, and local requirements in effect at the time of delivery.	YES	NO

ADDITIONAL OPTIONS

Complete below for additional options; attach additional page(s) for additional offered options

DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*
A.		$
B.		$
C.		$
D.		$
E.		$
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VENDOR NAME: _____

SPECIFICATIONS – ITEM 7
41,000 LB. GVWR CAB/CHASSIS WITH 5-YARD VACTOR BODY
RFB2007-056-SB

The following specifications are the *minimum acceptable* for furnishing **41,000 LB. GVWR CAB/CHASSIS WITH 5-YARD VACTOR BODY** to the City of Albuquerque as a result of this solicitation. Units furnished shall meet or exceed the physical and/or performance specifications of the reference model(s) below. The City may waive any minor exceptions, if doing so is in its best interests. The City also reserves the right to negotiate options not listed on this solicitation or not initially offered by the vendor, subject to mutual agreement. Quantities are estimated. Actual purchases will be made subject to availability of sufficient funds.

Bidder shall state exact make(s) and year(s) of vehicle and body offered. Complete the specification chart and attach *detailed* manufacturer literature that show both standard features and options, and state factory production schedules for the offered models. Offers must include the exact make/model of chassis, engine, transmission, and dump body offered. Include road performance data with your offer. Failure to do so may cause your offer to be rejected.

ITEM	QUANTITY *(estimate)*	UNIT	DESCRIPTION	REFERENCE MODEL (*Current Model*)
7	1	each	41,000 GVWR Cab/Chassis with 5-Yard Vactor Body	Kenworth T300, Freightliner M2, or equal
			BASE COST PER UNIT:	$
			MODEL:	
			MAKE:	
			ENGINE:	

STANDARD SPECIFICATIONS	MEETS SPECIFICATIONS *(circle appropriate answer)*	
1. Wheelbase		
1.1. Manufacturer's standard, sufficient to properly accommodate cab/chassis and specified body.	YES	NO
2. Cab to Axle		
2.1. Manufacturer's standard, sufficient to properly accommodate specified body	YES	NO
3. Engine		
3.1. 285 horsepower	YES	NO
3.2. Wet-sleeve	YES	NO
3.3. Six cylinder	YES	NO
3.4. Turbo-charge diesel	YES	NO
4. Engine Torque Rating		
4.1 800 ft. lb. at rated RPM *(minimum)*	YES	NO
4.1. Engine Air Intake	YES	NO
4.2. Engine air diverter to shut off external intake and pull air from engine compartment.	YES	NO
5. Exhaust		
5.1. Right hand vertical stack with muffler and rain protection	YES	NO
6. Engine Shut-Down System		
6.1. High engine temperature, low oil pressure	YES	NO
7. Cooling System		
7.1. Maximum available	YES	NO
7.2. Copper/brass radiator	YES	NO
7.3. Electric auxiliary cooling fan for low speed operation	YES	NO
7.4. ON/OFF fan	YES	NO
8. Electrical System		
8.1. 12 volt	YES	NO
8.2. Dual batteries with 1050 CCA combined in weather tight enclosure	YES	NO
8.3. 130 amp alternator	YES	NO
8.4. Heavy-duty flasher	YES	NO

VENDOR NAME: _____

8.5. Circuit breakers in lieu of fuses	YES	NO
8.6. Master disconnect switch	YES	NO
8.7. Jump start stud	YES	NO
8.8. Jumper cable jack at battery box with 20-foot heavy duty jumper cables.	YES	NO
9. Transmission		
9.1. Six speed, automatic	YES	NO
9.2. Allison 3500 RDS or equal with double overdrive oil level sensor with PTO provisions.	YES	NO
9.3. Push button pad shift console mounted on dashboard.	YES	NO
10. Service Brakes		
10.1. Dual air operated system	YES	NO
10.2. Anti-lock	YES	NO
10.3. Bendix, or equal with blink code diagnostics	YES	NO
10.4. 13 C.F.M. (minimum) air compressor, automatic slack adjusters and Bendix or equal air dryer	YES	NO
10.5. Spring loaded parking/emergency rear brake canisters	YES	NO
10.6. “Hub piloted” outboard mounted brake drums	YES	NO
11. Steering		
11.1. Hydraulic, power assist	YES	NO
12. Front Axle		
12.1. One piece I beam	YES	NO
12.2. 18,000 pound capacity	YES	NO
12.3. Oil lubricated front wheel hubs with Stemco clear caps or equal	YES	NO
13. Front Suspension		
13.1. Multi leaf with heavy duty shocks to meet axle capacity and gross vehicle weight	YES	NO
14. Rear Axle		
14.1. 23,000 pound capacity	YES	NO
14.2. Magnetic filler and drain plugs	YES	NO
14.3. Drive ratio to achieve approximately 59-66 MPH at 2,000 – 2,200 RPM.	YES	NO
15. Differential		
15.1. Driver controlled positive traction	YES	NO
16. Rear Suspension		
16.1. Multi leaf, with auxiliary to meet axle capacity and gross vehicle weight. *(or equal alternate rear suspension)*	YES	NO
17. Drive Line		
17.1. Spicer 1710 series or equal	YES	NO
18. Frame		
18.1. To meet 41,000 GVWR (nominal)	YES	NO
19. Bumper		
19.1. Heavy-duty	YES	NO
19.2. 12-inch structural steel channel	YES	NO
19.3. Ends contoured to shape of chassis hood	YES	NO
19.4. Mounted to frame with ½-inch x 6-inch steel plate, continuously welded on each side	YES	NO
19.5. Bolt-mount with 5/8-inch grade 8 bolts	YES	NO
20. Tires		
20.1. Steel belted 20-ply radial, to meet gross vehicle weight	YES	NO

VENDOR NAME: _____

21. Wheels		
21.1. One piece, steel disc (budd type)	YES	NO
22. Fuel Tanks/Capacity		
22.1. Dual step-type	YES	NO
22.2. 100 gallons combined capacity *(nominal)*	YES	NO
22.3. Minimum 14-inch ground clearance	YES	NO
22.4. Auxiliary non-skid metal step below tank step, welded to tank brackets	YES	NO
23. Cab		
23.1. Factory standard conventional cab with air conditioning and heat (see item 30)	YES	NO
23.2. Front air intake diverter	YES	NO
24. Seating		
24.1. Driver: High back air suspension cloth seats, National or equal	YES	NO
24.2. Passenger: Non- Suspension high back with headrest cloth seats	YES	NO
25. Fender Guides		
25.1. Manufacturer standard, dual, front fender mounted, stainless steel with convex mirrors	YES	NO
26. Rock Screens		
26.1. Expanded metal, with ¼-inch openings for front oil coolers and, behind grill for radiator.	YES	NO
27. Paint		
27.1. Factory applied, Cab: white; Frame: black	YES	NO
28. Mirrors		
28.1. Dual heated right and left West Coast Style with 8-inch diameter convex mirrors below	YES	NO
29. Sun Visors		
29.1. Driver and passenger	YES	NO
30. Climate Control		
30.1. Manufacturer's standard, multi-speed fresh air heater/defroster and air conditioning	YES	NO
31. Radio		
31.1. Factory standard AM/FM radio	YES	NO
32. Fenders		
32.1. Quarter fenders on rear wheels with mud flaps	YES	NO
33. Factory Manuals		
33.1. 1 (one) set each per truck; Operators, Repair, Parts Manuals	YES	NO
33.2. Line sheet	YES	NO
33.3. Electrical schematic	YES	NO
34. Instrumentation		
34.1. To include but not limited to: engine oil pressure, tachometer, odometer, hour meter, coolant temperature, transmission temperature, transmission oil level, voltmeter, air pressure, and fuel gauge.	YES	NO
35. Electronics		
35.1. Road speed governor	YES	NO
35.2. Engine protection system	YES	NO
35.3. Comprehensive engine diagnostics	YES	NO
35.4. Adjustable low idle speed	YES	NO
36. Lighting		
36.1. Manufacturer's standard	YES	NO
36.2. To meet all current applicable local, state, and federal DOT and FMVSS regulations	YES	NO

VENDOR NAME: _____

37. Miscellaneous		
37.1. Tilt steering wheel	YES	NO
37.2. Cold weather starting aid	YES	NO
37.3. Engine block heater	YES	NO
37.4. Fresh air intake heater	YES	NO
37.5. Marker lamps	YES	NO
37.6. All glass factory tinted	YES	NO
37.7. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings	YES	NO
37.8. Windshield washers	YES	NO
37.9. Shoulder harness seat belts	YES	NO
37.10. Cigarette lighter	YES	NO
37.11. Ash tray	YES	NO
37.12. Dome light	YES	NO
37.13. Dual map lights	YES	NO
37.14. Exterior grab handles for entering/exiting cab	YES	NO
37.15. All wiring in split plastic looms unless otherwise stated	YES	NO
38. Jet Rodder & Vacuum System		
38.1. General		
38.1.1. The machine shall be the dual engine design to be used for removing sand, stones, bottles, cans, grease, sludge and other debris from storm drain lines by the flushing action of high pressure water. The high pressure water pump shall be hydraulically driven with the chassis engine as the power source.	YES	NO
38.2. Debris Body		
38.2.1. Five (5) cubic yard volumetric capacity or one thousand (1,000) gallons.	YES	NO
38.2.2. Minimum 3/16-inch corrosion and abrasion resistant steel and with a minimum yield point of 50,000 psi and a minimum tensile strength of 70,000 psi.	YES	NO
38.3. Rear door:		
38.3.1. Shall have a full size rear door that is hinged at the top and is equipped with a replaceable neoprene type seal to prevent leakage.	YES	NO
38.3.2. The rear door shall be equipped with a body drain hose which allows operator to drain off excess liquids while retaining solids.	YES	NO
38.4. Load level indicator:		
38.4.1. Load level indicator shall show when the body is loaded to capacity.	YES	NO
38.4.2. The system shall utilize the debris body manual load level indicator to actuate an electric micro-switch with an alarm when the body reaches full capacity.	YES	NO
38.4.3. Manual ON/OFF switch shall be located at the control station to by-pass the alarm for transport.	YES	NO
38.5. Hydraulic cylinder:		
38.5.1. Double acting hydraulic cylinder, forward mount, which raises body to 50 degrees debris body shall be mounted on frame.	YES	NO
38.6. Frame		
38.6.1. An independent frame that is separate from the chassis frame. It shall be mounted via a 3-point mounting system to allow flexing to occur without causing damage.	YES	NO
38.7. Air conveyance system:		
38.7.1. Shall draw air from two separate ports in the debris body for material separation and minimum material discharge.	YES	NO
38.8. Dump controls/Accessory controls:		
38.8.1. Located at a central curbside location, directly behind cab.	YES	NO

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38.9. Flush-Out Nozzle		
38.9.1. Shall have eight (8) tungsten curbside tipped nozzles mounted at the front interior of debris body and sized to use water pump system at full capacity.	YES	NO
38.9.2. Control valve shall be located at the rear curbside of the machine.	YES	NO
38.10. Pipe Storage Racks:		
38.10.1. Shall be located on the curbside of the debris body above the rear water tank and driver side pipe rack, constructed of structural steel tubing and shall be spring assisted in the down and up positions for easy operation.	YES	NO
38.10.2. The rack shall be capable of storing three (3) 8-inch diameter pipe up to 7-foot long.	YES	NO
38.11. Lube Manifold:		
38.11.1. Located at curbside of unit, and allow ground level greasing of boom lift and swing cylinders, float level indicator, top rear door hinges and debris body hoist cylinder pins.	YES	NO
38.11.1.1. Rear door constructed of ExTen, or equal, steel, and bolted to the outside diameter on the rear flange of the debris body, from the 3 to 9 o'clock position.	YES	NO
38.12. Deflector Plate:		
38.12.1. Mounted to under side of debris body and inside the debris body.	YES	NO
38.13. Door Lock System:		
38.13.1. Four (4) rod/receiver block type sequential door locking system, cam operated by single hydraulic cylinder with separate hydraulic cylinder to activated door grabber at bottom of rear door.	YES	NO
38.13.2. Shall include door prop and curbside controls.	YES	NO
38.14. Butterfly Valve:		
38.14.1. Six- (6) inch I.D. valve located on right side of rear door approximately 2 to 3 o'clock position.	YES	NO
38.14.2. A single filtration screen over drain pipe, 10-foot flat drain hose with storage shall be provided.	YES	NO
38.15. Water Tanks		
38.15.1. Certified metered capacity of 1,000 gallons shall be totally separate from the debris tanks, provide no structural support, and share no common walls with debris tanks.	YES	NO
38.15.2. Water Tank Cells:		
38.15.2.1. Shall be constructed of multiple cylinder aluminum cells that shall be easily repaired or patched, if required.	YES	NO
38.15.3. Hung via rubber line "j" straps that located directly behind truck cab running the length of unit at or below frame.	YES	NO
38.16. Filters:		
38.16.1. Water tanks shall have a 2-inch Y-patterned filter with an 80 mesh stainless steel strainer to filter.	YES	NO
38.16.2. An air gap in water fill system shall be supplied. Shall include y-strainer 2.5-inch x 25-foot fill hose and hose storage.	YES	NO
38.16.3. A manual 3-inch bronze gate type valve shall be located at the water pump inlet, shall be used when a means to isolate the water pump from the water tank outlet is required.	YES	NO
38.16.4. A 3-inch Y-patter strainer at the water tank fill shall be supplied in lieu of the standard 2-½-inch Y-pattern strainer.	YES	NO
38.16.5. The Y-filter shall have a 3-inch, 80 mesh stainless steel water strainer included.	YES	NO
38.17. Air purge system		
38.17.1. An air purge system shall be supplied to aid in the purging of water lines and water pump for cold weather storage. This system shall utilize the chassis air compressor to fill independent air reservoirs. The air purge shall come complete with plumbing, valves and air pressure gauge. Pressure protection valves isolate the holding tank and the chassis compressor. The air purge system shall purge the residual water from the water system.	YES	NO
38.18. Continuous fill system		
38.18.1. A continuous fill system shall be supplied that will permit continuous water tank filling. This system shall include an air operated valve that opens when the water level lowers in the water tanks. This system shall permit the tanks to refill automatically while cleaning the sewer.	YES	NO
38.19. Side skirts		
38.19.1. Side skirts on rear of unit shall be supplied.	YES	NO
38.20. Vacuum System		
38.20.1. Vacuum shall be created by 2 tapered aluminum centrifugal compressor(s) with a minimum 38-inch diameter. The compressor shall be manufactured out of aluminum for operator safety. It shall have	YES	NO

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hard chrome plated, cast aluminum radial blades with a minimum thickness of ¼-inch, and shall be able to vacuum and jet rod to depths of 75 feet.		
38.20.2. The aluminum centrifugal compressor shall be of the riveted type design. Welded steel fans are not preferred due to safety considerations.	YES	NO
38.20.3. Compressor shall be able to vacuum wet or dry material without damaging the vacuum system. Compressor shall carry a non-prorated five year warranty.	YES	NO
38.20.4. The vendor upon request shall provide air flow system and monitored performance data over time.	YES	NO
38.20.5. Reading using 6-inch orifice.	YES	NO
38.20.6. The outer housing shall be manufactured out of ¼-inch spun steel and carry a five-year warranty. The housing shall have a 2-inch drain, plumbed below the water tank for safe and easy clean out.	YES	NO
38.20.7. The fan housing shall be isolated on rubber mounting supports.	YES	NO
38.20.8. For cleaning of drying beds, vacuuming leaves and debris along curbs and arroyos, the unit shall have capability of maintaining a full, constant vacuum while unit is in motion.	YES	NO
38.21. Vacuum Drive System		
38.21.1. The centrifugal compressor shall be direct-driven through a helical, gear type step-up transmission drive with step-up ratio of 1.6 to 1.	YES	NO
38.21.2. The gear drive should attach directly to the rotor shaft without the use of multiple stage v-belts or jack shifts.	YES	NO
38.21.3. Pillow block bearings, that required excess daily greasing, shall not be permitted.	YES	NO
38.21.4. The drive shaft shall be supported via tapered roller bearings and gears.	YES	NO
38.21.5. The vacuum system shall be driven via fluid coupler that permits engagement of the fan without the use of a mechanical clutch mechanism.	YES	NO
38.22. Auxiliary Engine		
38.22.1. The auxiliary engine, used to drive the vacuum system, shall be a liquid cooled, turbo-charged, minimum 6-cylinder diesel powered, heavy-duty industrial four-cycle engine.	YES	NO
38.22.2. The engine shall have a minimum displacement of 414 inches and come equipped with high temperature/low oil pressure shutdown system as well as an exhaust silencer.	YES	NO
38.22.3. The auxiliary engine shall be supported on steel rubber isolating mounts and mounted on it's own sub-frame.	YES	NO
38.22.4. The entire auxiliary vacuum engine shall be insulated in a noise deadening shroud with a minimum of 1-inch of suppression insulation to further decrease the operating noise level.	YES	NO
38.22.5. The operating noise level shall not exceed 85 dB at 50 feet.	YES	NO
38.22.6. The noise deadening engine shroud shall be on roller tracts allowing the shroud to easily be pulled away from the engine, providing complete engine access.	YES	NO
38.22.7. Heavy panels requiring manual removal are not acceptable.	YES	NO
38.23. Boom		
38.23.1. Shall be designed for front-end operation, with the hose mounted and stored at front work station.	YES	NO
38.23.2. All connections between debris body and vacuum system shall be of the self-adjusting, pressure fitting type.	YES	NO
38.23.3. The lift and swing movements shall be by cylinder actuated. Gear and chain type rotations are not acceptable.	YES	NO
38.23.4. The boom shall be 6-way hydraulically driven up/down/left/right/extend/retract. A remote push button control station shall control the boom by cable to the hydraulic power swing/lift/extend cylinders.	YES	NO
38.23.5. The boom pendant control shall come equipped with control switches for all directions as well as a safety emergency shutdown button that automatically eliminates power to the boom.	YES	NO
38.23.6. A cab protection device, independent of cab is mandatory.	YES	NO
38.23.7. All hoses and tubes shall be 8-inch in diameter and shall remain stationary and not raise with the debris body in order to minimize of running the vacuum hose into power lines and low hanging branches. The upper debris tube shall consist of an anchored steel tube for additional life.	YES	NO
38.23.8. Pipe extensions shall be included to allow operator to clean to depths of 20 feet. This shall include a 6-foot 6-inch (6' 6") catch basin nozzle with a steel reinforced tip. Pipe should include sufficient adjustable, over center, quick clamps to join the aluminum flanged suction pipe.	YES	NO
38.23.9. An 8-foot telescoping boom, with cradle, shall be supplied. The 8-foot extension shall provide a minimum of 474 square feet of additional coverage. The boom shall rotate a minimum of 180 degrees and provide 277-inch minimum reach off the center line of the unit. The boom shall extend and retract a minimum of 8 feet and shall be located at the front work station in its retracted position. The boom shall include a true telescoping suction tube that shall extend and retract without affecting the steel elbow or lower debris hose vertical position.	YES	NO

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38.24. High Pressure Water Pump		
38.24.1. The 80 GPM positive displacement, high pressure water pump shall be a double acting, single piston pump hydraulically operated direct from a hydraulic pump. Belt drive systems are not acceptable.	YES	NO
38.24.2. The water pump shall cycle approximately every 4.5 seconds. This pump cycle shall provide an automatic "jack-hammer" action in the hose to assist the nozzle in breaking through obstacles.	YES	NO
38.24.3. The water pump location shall provide a flooded inlet to eliminate potential cavatation damage. The water pump location shall be certified by the pump manufacturer.	YES	NO
38.24.4. The water pump shall have steel protection plate.	YES	NO
38.24.5. The high pressure water pump shall be designed so no damage shall occur if run at normal operating pressure and rpm without water for 30 minutes. A certification by the original water pump manufacturer to operate in such a manner shall be provided.	YES	NO
38.24.6. The positive displacement water pump shall use air at sufficient capacity to purge residual water. Drain plugs shall be provided in the bottom section of the water pump for complete cold weather draining.	YES	NO
38.24.7. The water pump shall be capable of maximum water pressure and flow while achieving maximum vacuum capability. The water pump shall operate independent of the vacuum system.	YES	NO
38.24.8. An oil-to-water heat exchanger shall be provided in the water system to cool all hydraulic fluids on the unit, with an oil-to-water ratio of 1 to 1.	YES	NO
38.24.9. Water pump shall have capability of being engaged/disengaged from driving mechanism at the front control panel by using an on/off switch.	YES	NO
38.24.10. The hydraulic flow to drive the water pump shall be from a hydraulic oil pump driven by the truck engine via a heavy duty air or electric-over-hydraulic shift power-take-off.	YES	NO
38.24.11. The PTO shall engage the hydraulic pump but not the water pump.	YES	NO
38.24.12. The rated design capacity of the high-pressure water pump shall be 100 GPM and 2000 PSI. A certification by the pump manufacturer for continuous duty shall be provided.	YES	NO
38.24.13. The hydraulic pump and water pump shall deliver 80 GPM at 2,500-PSI continuous duty operation.	YES	NO
38.24.14. Shall have a 3-inch Y-pattern strainer is installed prior to the water pump suction inlet to serve as an additional filtering device. The Y-filter shall include a 3-inch stainless steel, 80-mesh filter screen.	YES	NO
38.25. Front Mounted Hose Reel		
38.25.1. A hose reel shall be mounted on an independent frame that can be removed from brackets attached permanently to main truck frame members, and shall be driven via hydraulic motor with a dual sprocket and chain system.	YES	NO
38.25.2. Hose reel shall have a 1-inch rotating swivel joint that is adjustable and has replaceable seals on the inlet line to provide free rotation of hose reel.	YES	NO
38.25.3. All operating controls shall be located on the hose reel, and shall have a minimum capacity of 600 of 1-inch in diameter rodder hose.	YES	NO
38.25.4. A mechanical footage counter shall be mounted at the hose reel flange to measure the pay out and rewinding of hose in 1-foot increments, and permit operator visibility. This shall be supplied in addition to standard.	YES	NO
38.25.5. A telescoping/rotating hose reel with a 600-foot capacity for 1-inch sewer hose.	YES	NO
38.25.6. ½-inch high-pressure ball valves shall be installed to eliminate removal of drain plugs when draining or winterizing the water system. Valves shall be located on the bottom of the rodder pump for draining the water pump.	YES	NO
38.25.7. A hands-free, auto wind guide shall be provided to unwind and rewind the sewer hose onto the hose reel. It shall be located on the hose reel and shall be chain driven from the reel shaft, using a lead and follower mechanism, with an air operated preloaded roller assembly to maintain hose placement on the reel. The winding mechanism shall have a free wheeling provision for quick adjustments to compensate for hose length changes or repair.	YES	NO
38.25.8. Gate valves shall be installed to permit the servicing of the hydraulic system. A valve shall be located at the hydraulic pump suction line, return line, and oil filter.	YES	NO
38.26. Handgun System		
38.26.1. A positive displacement, double acting, single piston high-pressure water pump shall be utilized to supply 20 GPM at 600 PSI (relieved to protect the operator) to the wash down handgun system.	YES	NO
38.26.2. A quick disconnect coupling, located mid-ship of the machine, shall be furnished with hose and pistol grip nozzle. The hose shall be capable of delivering water to the area served by the catch basin intake nozzle and to the inside of the debris body. It also shall include a connection that allows the operator to deliver water to the area served by pick-up hose and to the inside of the debris body for clean out. The handgun should allow for changing of the flow pattern from a fine mist to a steady stream.	YES	NO
38.26.3. A spring retractable hand hose reel with 50-foot hose shall be supplied. It shall be a supplement to the standard hand gun system.	YES	NO
38.27. Rodder pump drain valves.	YES	NO
38.28. Hydraulic System		
38.28.1. The hydraulic reservoir shall have a 67-gallon capacity.	YES	NO

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38.28.2. The tank shall be totally modular component and easily removed from its storage area.	YES	NO
38.29. Electrical		
38.29.1. The entire electrical system shall be vapor sealed to eliminate moisture damage to NEMA 4 (National Electrical Manufacturing Association) standards, shall be color-coded, and run in sealed terminal boxes.	YES	NO
38.29.2. All electrical connections shall ensure there are no exposed wires or terminals.	YES	NO
38.29.3. All light bulbs shall be shock mounted to eliminate bulb failure.	YES	NO
38.30. High Pressure Vacuum Hose		
38.30.1. Two jet nozzles with tungsten carbide orifices shall be furnished with the unit. A 15-degree nozzle and a 30-degree nozzle shall be furnished.	YES	NO
38.30.2. A flexible hose guide will be provided with a restraining rope for protection of rodder hose and to provide help in locating nozzles in sewer lines.	YES	NO
38.30.3. 600-foot x 1-inch Aeroquip, or equal, plastic type sewer hose shall be provided. The vacuum hose shall be 1-inch I.D. and shall be rated at 2,500 PSI working pressure with 6,250 PSI burst pressure.	YES	NO
38.31. Front Operating Stations & Controls. Controls & gauges include:		
38.31.1. Operation station shall be located at the front of the truck, and shall have at a minimum the following:	YES	NO
38.31.1.1. High pressure water pump on/off	YES	NO
38.31.1.2. Hose reel forward/reverse valve	YES	NO
38.31.1.3. Adjustable hose reel speed control	YES	NO
38.31.1.4. Hose reel tilt control	YES	NO
38.31.1.5. Oil dampened water pressure gauge.	YES	NO
38.31.1.6. Boom pendant control plug in	YES	NO
38.31.1.7. Truck engine throttle	YES	NO
38.31.1.8. Auxiliary engine on/off truck engine throttle	YES	NO
38.31.1.9. Auxiliary engine throttle control	YES	NO
38.31.1.10. Vacuum relief on/off switch	YES	NO
38.32. Mounting		
38.32.1. Unit shall be mounted on approved truck chassis at the factory of the body manufacturer.	YES	NO
38.33. Paint		
38.33.1. All metal surfaces shall be shot or sand blasted, and primed, prior to painting.	YES	NO
38.33.2. All hose and fittings, as well as electrical wires and connections, shall not be painted.	YES	NO
38.33.3. Paint shall be with manufacturer's standard in white paint. Shall be a wet-on-wet application. This paint shall be Low Voc-High Solids OSHA compliant designed for application over wet non-sanding primer base. All metal shall be grit blasted to near white finish, phosphorus washed, dried, cleaned of all dust, primer coated, and finish painted to a minimum 3 mil thickness. All finish painting shall be done prior to the assembly of the machine.	YES	NO
38.33.4. 3M brand reflective type (or equal), adhesive tape shall be applied in 3-inch wide inverted "V" style. Standard color shall be black.	YES	NO
38.34. Light Accessories		
38.34.1. Circuit breakers shall be supplied in lieu of fuses.	YES	NO
38.34.2. A hand held spotlight, one piece molded black neoprene pistol grip type, 110,000 candlepower, 100 watt/13 volt sealed beam built. SVO -25-foot coiled cord with 12-volt plug in connector, 4.5-inch diameter and 8.5 feet long shall be provided.	YES	NO
38.34.3. A limb or brush guard for revolving or strobe lights shall be supplied.	YES	NO
38.34.4. Amber strobe light(s) shall be mounted at left and right rear of the unit. They shall be 7.5 inches high, 6.5 inches diameter base and a 12 VDC- 8 joules, double flash-helical flash tube with a flash rate of 80+ or -10 FPM and shall have a power consumption of 18 amps. Light(s) shall have a polycarbonate amber lens. Light(s) shall meet shock test for MIL-S9-10C, SAE J1318 requirements for class 2 AAMVA certified, and all other federal, state, and local requirements at time of vehicle manufacture.	YES	NO
38.34.5. The two 12 VDC, adjustable shock mounted work lights shall be located on the 70 degree elbow and shall be wired with a retractable extension cord reel to allow extension of the boom. They shall be turned on/off with a toggle switch mounted on the operator control panel.	YES	NO

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38.35. Arrow Sign		
38.35.1. A signal-master direction arrow shall be supplied. Shall be one piece with L.E.D. lights and located on rear only. (Precise location of board to be determined in consultation with the City).	YES	NO
38.35.2. Sign shall be 6-foot wide x 4-foot high (nominal)	YES	NO
38.35.3. Arrows must be visible during the daylight at a minimum distance of 200 feet.	YES	NO
38.35.4. Sign shall have an automatic dimmer to 50% of daylight intensity.	YES	NO
38.35.5. A parts and service manual shall be supplied.	YES	NO
38.36. An electronic back-up alarm shall be supplied.	YES	NO
38.37. Tow Hooks		
38.37.1. A set of tow hooks (2) shall be mounted at the front of the chassis to enable towing or pulling of the machine from dump sites. They shall be rated for the GVWR of the vehicle.	YES	NO
38.37.2. A set of tow hooks (2) shall be mounted at the rear frame of the chassis to enable towing or pulling the machine from dumpsites. They shall be rated for the GVWR of the vehicle.	YES	NO
38.38. Toolbox		
38.38.1. A 96-inch x 30-inch x 16-inch aluminum full width tool box shall be mounted behind cab.	YES	NO
38.39. Service & Parts Availability		
38.39.1. The bidder must have available a complete factory authorized parts and service center employing factory trained service and parts representatives with full mechanical rebuild/repair equipment capability within the City of Albuquerque. The bidder shall have shipping personnel during regular business working hours. The bidder shall also have mobile service equipment and capabilities to provide service at the City's facilities. The City may exercise its right to inspect each bidder's facilities to determine its qualifications to provide parts and service on an acceptable basis.	YES	NO
39. Warranty		
39.1. 3-year/36,000 bumper-to-bumper factory warranty on chassis and body. No deductible. Warranty shall cover entire assembled vehicle and all parts and accessories, except tires and normal wear items.	YES	NO
39.2. 5-year warranty on engine and transmission, to include all parts and labor. No deductible.	YES	NO
39.3. Offeror must identify in its bid the name and location of the Albuquerque Metro Area warranty repair facility, which must be fully capable of performing any and all necessary warranty repairs during the warranty period.	YES	NO
39.4. Acceptance of identified warranty repair facility by the City is subject to evaluation by the City; non-acceptance by the City may cause you offer to be considered non-responsive.	YES	NO
39.5. During the entire warranty period, warranty repairs must be initiated within 3 working days of notification by the City (and presentation of the vehicle) to the warranty repair facility.	YES	NO
39.6. Warranty repairs must be completed within 5 working days after initiation of work, unless delays can be proven to be beyond the control of the warranty repair facility.	YES	NO
39.7. Contractor shall take full responsibility for all warranty repairs, regardless of who performs the repairs.	YES	NO
40. Standard Equipment		
40.1. Unit furnished must have all standard equipment listed in official factory literature at the time of manufacture.	YES	NO
40.2. Three (3) sets of keys shall be provided with each unit.	YES	NO
41. Training		
41.1. Upon request by the City, up to 4 hours of repair and/or operation instruction shall be provided by the factory-trained personnel.	YES	NO
41.2. Training shall be provided for up to 12 City staff, as designated by the Fleet Management Division.	YES	NO
41.3. Training schedule shall be set as mutually agreeable to City and contractor.	YES	NO
41.4. Contractor must provide training within 30 days of delivery unless the City declines, which shall constitute forfeiture of the training by the City.	YES	NO
42. Unit(s) furnished must meet all applicable federal, state, and local requirements in effect at the time of delivery.	YES	NO

VENDOR NAME: _____

ADDITIONAL OPTIONS:		
Complete below for additional options; attach additional page(s) for additional offered options		
DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*
A.		$
B.		$
C.		$
D.		$
E.		$
F.		$
G.		$
H.		$
I.		$
J.		$
K.		$
L.		$
M.		$
N.		$
O.		$
P.		$
Q.		$

VENDOR NAME: _____

SPECIFICATIONS – ITEM 8
60,000 LB. GVWR CAB/CHASSIS WITH 10-YARD VACTOR BODY
RFB2007-056-SB

The following specifications are the *minimum acceptable* for furnishing **60,000 LB. GVWR CAB/CHASSIS WITH 10-YARD VACTOR BODY** to the City of Albuquerque as a result of this solicitation. Units furnished shall meet or exceed the physical and/or performance specifications of the reference model(s) below. The City may waive any minor exceptions, if doing so is in its best interests. The City also reserves the right to negotiate options not listed on this solicitation or not initially offered by the vendor, subject to mutual agreement. Quantities are estimated. Actual purchases will be made subject to availability of sufficient funds.

Bidder shall state exact make(s) and year(s) of vehicle and body offered. Complete the specification chart and attach *detailed* manufacturer literature that show both standard features and options, and state factory production schedules for the offered models. Offers must include the exact make/model of chassis, engine, transmission, and dump body offered. Include road performance data with your offer. Failure to do so may cause your offer to be rejected.

ITEM	QUANTITY *(estimate)*	UNIT	DESCRIPTION	REFERENCE MODEL (*Current Model*)
8	1	each	60,000 GVWR Cab/Chassis with 10-Yard Vactor Body	Kenworth T800, Freightliner M2-12 or equal
			BASE COST PER UNIT: $	
			MODEL:	
			MAKE:	
			ENGINE:	

STANDARD SPECIFICATIONS	MEETS SPECIFICATIONS *(circle appropriate answer)*	
1. Wheelbase		
1.1. Manufacturer's standard, sufficient to properly accommodate cab/chassis and specified body.	YES	NO
2. Cab to Axle		
2.1. Manufacturer's standard, sufficient to properly accommodate specified body	YES	NO
3. Engine		
3.1. 330 horsepower	YES	NO
3.2. Wet-sleeve	YES	NO
3.3. Six cylinder	YES	NO
3.4. Turbo-charge diesel	YES	NO
4. Engine Torque Rating		
4.2 1100 ft. lb. at rated RPM	YES	NO
4.1. Engine Air Intake	YES	NO
4.2. Engine air diverter to shut off external intake and pull air from engine compartment.	YES	NO
5. Exhaust		
5.1. Right hand vertical stack with muffler and rain protection	YES	NO
6. Engine Shut-Down System		
6.1. High engine temperature, low oil pressure	YES	NO
7. Cooling System		
7.1. Maximum available	YES	NO
7.2. Copper/brass radiator	YES	NO
7.3. Electric auxiliary cooling fan for low speed operation	YES	NO
7.4. ON/OFF fan	YES	NO
8. Electrical System		
8.1. 12 volt	YES	NO
8.2. Dual batteries with 1950 CCA combined in weather tight enclosure	YES	NO
8.3. 130 amp alternator	YES	NO
8.4. Heavy-duty flasher	YES	NO

VENDOR NAME: _____

8.5. Circuit breakers in lieu of fuses	YES	NO
8.6. Master disconnect switch	YES	NO
8.7. Jump start stud	YES	NO
8.8. Jumper cable jack at battery box with 20-foot heavy duty jumper cables.	YES	NO
9. Transmission		
9.1. Six speed, automatic	YES	NO
9.2. Allison 4500 RDS or equal with double overdrive oil level sensor with PTO provisions.	YES	NO
9.3. Push button pad shift console mounted on dashboard.	YES	NO
10. Service Brakes		
10.1. Dual air operated system	YES	NO
10.2. Anti-lock	YES	NO
10.3. Bendix, or equal with blink code diagnostics	YES	NO
10.4. 15.7 C.F.M. (minimum) air compressor, automatic slack adjusters and Bendix or equal air dryer	YES	NO
10.5. Spring loaded parking/emergency rear brake canisters	YES	NO
10.6. “Hub piloted” outboard mounted brake drums	YES	NO
11. Steering		
11.1. Hydraulic, power assist	YES	NO
12. Front Axle		
12.1. One piece I beam	YES	NO
12.2. 20,000 pound capacity	YES	NO
12.3. Oil lubricated front wheel hubs with Stemco clear caps or equal	YES	NO
13. Front Suspension		
13.1. Multi leaf with heavy duty shocks to meet axle capacity and gross vehicle weight	YES	NO
14. Rear Tandem Axle		
14.1. 40,000 pound capacity	YES	NO
14.2. Magnetic filler and drain plugs	YES	NO
14.3. Drive ratio to achieve approximately 59-66 MPH at 2,000 – 2,200 RPM.	YES	NO
15. Differential		
15.1. Driver controlled positive traction	YES	NO
16. Rear Suspension		
16.1. Multi leaf, with auxiliary to meet axle capacity and gross vehicle weight. *(or equal alternate rear suspension)*	YES	NO
17. Drive Line		
17.1. Spicer 1710 series or equal	YES	NO
18. Frame		
18.1. To meet 60,000 GVWR (nominal)	YES	NO
19. Bumper		
19.1. Heavy-duty	YES	NO
19.2. 12-inch structural steel channel	YES	NO
19.3. Ends contoured to shape of chassis hood	YES	NO
19.4. Mounted to frame with ½-inch x 6-inch steel plate, continuously welded on each side	YES	NO
19.5. Bolt-mount with 5/8-inch grade 8 bolts	YES	NO
20. Tires		
20.1. Steel belted 20-ply radial, to meet gross vehicle weight	YES	NO

VENDOR NAME: _____

21. Wheels		
21.1. One piece, steel disc (budd type)	YES	NO
22. Fuel Tanks/Capacity		
22.1. Dual step-type	YES	NO
22.2. 100 gallons combined capacity *(nominal)*	YES	NO
22.3. Minimum 14-inch ground clearance	YES	NO
22.4. Auxiliary non-skid metal step below tank step, welded to tank brackets	YES	NO
23. Cab		
23.1. Factory standard conventional cab with air conditioning and heat (see item 30)	YES	NO
23.2. Front air intake diverter	YES	NO
24. Seating		
24.1. Driver: High back air suspension cloth seats, National or equal	YES	NO
24.2. Passenger: Non- Suspension high back with headrest cloth seats	YES	NO
25. Fender Guides		
25.1. Manufacturer standard, dual, front fender mounted, stainless steel with convex mirrors	YES	NO
26. Rock Screens		
26.1. Expanded metal, with ¼-inch openings for front oil coolers and, behind grill for radiator.	YES	NO
27. Paint		
27.1. Factory applied, Cab: white; Frame: black	YES	NO
28. Mirrors		
28.1. Dual heated right and left West Coast Style with 8-inch diameter convex mirrors below	YES	NO
29. Sun Visors		
29.1. Driver and passenger	YES	NO
30. Climate Control		
30.1. Manufacturer's standard, multi-speed fresh air heater/defroster and air conditioning	YES	NO
31. Radio		
31.1. Factory standard AM/FM radio	YES	NO
32. Fenders		
32.1. Quarter fenders on rear wheels with mud flaps	YES	NO
33. Factory Manuals		
33.1. 1 (one) set each per truck; Operators, Repair, Parts Manuals	YES	NO
33.2. Line sheet	YES	NO
33.3. Electrical schematic	YES	NO
34. Instrumentation		
34.1. To include but not limited to: engine oil pressure, tachometer, odometer, hour meter, coolant temperature, transmission temperature, transmission oil level, voltmeter, air pressure, and fuel gauge.	YES	NO
35. Electronics		
35.1. Road speed governor	YES	NO
35.2. Engine protection system	YES	NO
35.3. Comprehensive engine diagnostics	YES	NO
35.4. Adjustable low idle speed	YES	NO
36. Lighting		
36.1. Manufacturer's standard	YES	NO
36.2. To meet all current applicable local, state, and federal DOT and FMVSS regulations	YES	NO

VENDOR NAME: _____

37. Miscellaneous		
37.1. Tilt steering wheel	YES	NO
37.2. Cold weather starting aid	YES	NO
37.3. Engine block heater	YES	NO
37.4. Fresh air intake heater	YES	NO
37.5. Marker lamps	YES	NO
37.6. All glass factory tinted	YES	NO
37.7. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings	YES	NO
37.8. Windshield washers	YES	NO
37.9. Shoulder harness seat belts	YES	NO
37.10. Cigarette lighter	YES	NO
37.11. Ash tray	YES	NO
37.12. Dome light	YES	NO
37.13. Dual map lights	YES	NO
37.14. Exterior grab handles for entering/exiting cab	YES	NO
37.15. All wiring in split plastic looms unless otherwise stated	YES	NO
38. Jet Rodder & Vacuum System		
38.1. General		
38.1.1. The machine shall be the dual engine design to be used for removing sand, stones, bottles, cans, grease, sludge and other debris from storm drain lines by the flushing action of high pressure water. The high pressure water pump shall be hydraulically driven with the chassis engine as the power source.	YES	NO
38.2. Debris Body		
38.2.1. Ten (10) cubic yard volumetric capacity or two thousand one-hundred (2,100) gallons.	YES	NO
38.2.2. Minimum 3/16-inch corrosion and abrasion resistant steel and with a minimum yield point of 50,000 psi and a minimum tensile strength of 70,000 psi.	YES	NO
38.3. Rear door:		
38.3.1. Shall have a full size rear door that is hinged at the top and is equipped with a replaceable neoprene type seal to prevent leakage.	YES	NO
38.3.2. The rear door shall be equipped with a body drain hose which allows operator to drain off excess liquids while retaining solids.	YES	NO
38.4. Load level indicator:		
38.4.1. Load level indicator shall show when the body is loaded to capacity.	YES	NO
38.4.2. The system shall utilize the debris body manual load level indicator to actuate an electric micro-switch with an alarm when the body reaches full capacity.	YES	NO
38.4.2.1. Manual ON/OFF switch shall be located at the control station to by-pass the alarm for transport.	YES	NO
38.5. Hydraulic cylinder:		
38.5.1. Double acting hydraulic cylinder, forward mount, which raises body to 50 degrees debris body shall be mounted on frame.	YES	NO
38.6. Frame:		
38.6.1. An independent frame that is separate from the chassis frame. It shall be mounted via a 3-point mounting system to allow flexing to occur without causing damage.	YES	NO
38.7. Air conveyance system:		
38.7.1. Shall draw air from two separate ports in the debris body for material separation and minimum material discharge.	YES	NO
38.8. Dump controls/Accessory controls:		
38.8.1. Located at a central curbside location, directly behind cab.	YES	NO

VENDOR NAME: _____

38.9. Flush-Out Nozzle		
38.9.1. Shall have eight (8) tungsten curbside tipped nozzles mounted at the front interior of debris body and sized to use water pump system at full capacity.	YES	NO
38.9.2. Control valve shall be located at the rear curbside of the machine.	YES	NO
38.10. Pipe Storage Racks:		
38.10.1. Shall be located on the curbside of the debris body above the rear water tank and driver side pipe rack, constructed of structural steel tubing and shall be spring assisted in the down and up positions for easy operation.	YES	NO
38.10.2. The rack shall be capable of storing three (3) 8-inch diameter pipe up to 7-foot long.	YES	NO
38.11. Lube Manifold:		
38.11.1. Located at curbside of unit, and allow ground level greasing of boom lift and swing cylinders, float level indicator, top rear door hinges and debris body hoist cylinder pins.	YES	NO
38.11.2. Rear door constructed of ExTen, or equal, steel, and bolted to the outside diameter on the rear flange of the debris body, from the 3 to 9 o'clock position.	YES	NO
38.12. Deflector Plate:		
38.12.1. Mounted to under side of debris body and inside the debris body.	YES	NO
38.13. Door Lock System:		
38.13.1. Four (4) rod/receiver block type sequential door locking system, cam operated by single hydraulic cylinder with separate hydraulic cylinder to activated door grabber at bottom of rear door.	YES	NO
38.13.2. Shall include door prop and curbside controls.	YES	NO
38.14. Butterfly Valve:		
38.14.1. Six- (6) inch I.D. valve located on right side of rear door approximately 2 to 3 o'clock position.	YES	NO
38.14.2. A single filtration screen over drain pipe, 10-foot flat drain hose with storage shall be provided.	YES	NO
38.15. Water Tanks		
38.15.1. Certified metered capacity of 1,300 gallons shall be totally separate from the debris tanks, provide no structural support, and share no common walls with debris tanks.	YES	NO
38.15.2. Water Tank Cells:		
38.15.2.1. Shall be constructed of multiple cylinder aluminum cells that shall be easily repaired or patched, if required.	YES	NO
38.15.3. Hung via rubber line "j" straps that located directly behind truck cab running the length of unit at or below frame.	YES	NO
38.16. Filters:		
38.16.1. Water tanks shall have a 2-inch Y-patterned filter with an 80 mesh stainless steel strainer to filter.	YES	NO
38.16.2. An air gap in water fill system shall be supplied. Shall include y-strainer 2.5-inch x 25-foot fill hose and hose storage.	YES	NO
38.16.3. Shall supply additional water capacity for 5, 10, and 12 cubic yard machines. Multiple aluminum, cylinder water tanks shall be located at the chassis frame level and over the rear tandem axles. (Total capacity shall be 1300 gallons)	YES	NO
38.16.4. A manual 3-inch bronze gate type valve shall be located at the water pump inlet, shall be used when a means to isolate the water pump from the water tank outlet is required.	YES	NO
38.16.5. A 3-inch Y-patter strainer at the water tank fill shall be supplied in lieu of the standard 2-½-inch Y-pattern strainer.	YES	NO
38.16.6. The Y-filter shall have a 3-inch, 80 mesh stainless steel water strainer included.	YES	NO
38.17. Air purge system		
38.17.1. An air purge system shall be supplied to aid in the purging of water lines and water pump for cold weather storage. This system shall utilize the chassis air compressor to fill independent air reservoirs. The air purge shall come complete with plumbing, valves and air pressure gauge. Pressure protection valves isolate the holding tank and the chassis compressor. The air purge system shall purge the residual water from the water system.	YES	NO
38.18. Continuous fill system		
38.18.1. A continuous fill system shall be supplied that will permit continuous water tank filling. This system shall include an air operated valve that opens when the water level lowers in the water tanks. This system shall permit the tanks to refill automatically while cleaning the sewer.	YES	NO
38.19. Side skirts		
38.19.1. Side skirts on rear of unit shall be supplied.	YES	NO

VENDOR NAME: _____

38.20. Vacuum System		
38.20.1. Vacuum shall be created by 2 tapered aluminum centrifugal compressor(s) with a minimum 38-inch diameter. The compressor shall be manufactured out of aluminum for operator safety. It shall have hard chrome plated, cast aluminum radial blades with a minimum thickness of ¼-inch, and shall be able to vacuum and jet rod to depths of 75 feet.	YES	NO
38.20.2. The aluminum centrifugal compressor shall be of the riveted type design. Welded steel fans are not preferred due to safety considerations.	YES	NO
38.20.3. Compressor shall be able to vacuum wet or dry material without damaging the vacuum system. Compressor shall carry a non-prorated five year warranty.	YES	NO
38.20.4. The vendor upon request shall provide air flow system and monitored performance data over time.	YES	NO
38.20.5. Reading using 6-inch orifice.	YES	NO
38.20.6. The outer housing shall be manufactured out of ¼-inch spun steel and carry a five-year warranty. The housing shall have a 2-inch drain, plumbed below the water tank for safe and easy clean out.	YES	NO
38.20.7. The fan housing shall be isolated on rubber mounting supports.	YES	NO
38.20.8. For cleaning of drying beds, vacuuming leaves and debris along curbs and arroyos, the unit shall have capability of maintaining a full, constant vacuum while unit is in motion.	YES	NO
38.21. Vacuum Drive System		
38.21.1. The centrifugal compressor shall be direct-driven through a helical, gear type step-up transmission drive with step-up ratio of 1.6 to 1.	YES	NO
38.21.2. The gear drive should attach directly to the rotor shaft without the use of multiple stage v-belts or jack shifts.	YES	NO
38.21.3. Pillow block bearings, that required excess daily greasing, shall not be permitted.	YES	NO
38.21.4. The drive shaft shall be supported via tapered roller bearings and gears.	YES	NO
38.21.5. The vacuum system shall be driven via fluid coupler that permits engagement of the fan without the use of a mechanical clutch mechanism.	YES	NO
38.22. Auxiliary Engine		
38.22.1. The auxiliary engine, used to drive the vacuum system, shall be a liquid cooled, turbo-charged, minimum 6-cylinder diesel powered, heavy-duty industrial four-cycle engine.	YES	NO
38.22.2. The engine shall have a minimum displacement of 414 inches and come equipped with high temperature/low oil pressure shutdown system as well as an exhaust silencer.	YES	NO
38.22.3. The auxiliary engine shall be supported on steel rubber isolating mounts and mounted on it's own sub-frame.	YES	NO
38.22.4. The entire auxiliary vacuum engine shall be insulated in a noise deadening shroud with a minimum of 1-inch of suppression insulation to further decrease the operating noise level.	YES	NO
38.22.5. The operating noise level shall not exceed 85 dB at 50 feet.	YES	NO
38.22.6. The noise deadening engine shroud shall be on roller tracts allowing the shroud to easily be pulled away from the engine, providing complete engine access.	YES	NO
38.22.7. Heavy panels requiring manual removal are not acceptable.	YES	NO
38.23. Boom		
38.23.1. Shall be designed for front-end operation, with the hose mounted and stored at front work station.	YES	NO
38.23.2. All connections between debris body and vacuum system shall be of the self-adjusting, pressure fitting type.	YES	NO
38.23.3. The lift and swing movements shall be by cylinder actuated. Gear and chain type rotations are not acceptable.	YES	NO
38.23.4. The boom shall be 6-way hydraulically driven up/down/left/right/extend/retract. A remote push button control station shall control the boom by cable to the hydraulic power swing/lift/extend cylinders.	YES	NO
38.23.5. The boom pendant control shall come equipped with control switches for all directions as well as a safety emergency shutdown button that automatically eliminates power to the boom.	YES	NO
38.23.6. A cab protection device, independent of cab is mandatory.	YES	NO
38.23.7. All hoses and tubes shall be 8-inch in diameter and shall remain stationary and not raise with the debris body in order to minimize of running the vacuum hose into power lines and low hanging branches. The upper debris tube shall consist of an anchored steel tube for additional life.	YES	NO
38.23.8. Pipe extensions shall be included to allow operator to clean to depths of 20 feet. This shall include a 6-foot 6-inch (6' 6") catch basin nozzle with a steel reinforced tip. Pipe should include sufficient adjustable, over center, quick clamps to join the aluminum flanged suction pipe.	YES	NO
38.23.9. An 8-foot telescoping boom, with cradle, shall be supplied. The 8-foot extension shall provide a minimum of 474 square feet of additional coverage. The boom shall rotate a minimum of 180 degrees and provide 277-inch minimum reach off the center line of the unit. The boom shall extend and retract a minimum of 8 feet and shall be located at the front work station in its retracted position. The boom shall include a true telescoping suction tube that shall extend and retract without affecting the steel elbow or lower debris hose vertical position.	YES	NO

VENDOR NAME: _____

38.24. High Pressure Water Pump		
38.24.1. The 80 GPM positive displacement, high pressure water pump shall be a double acting, single piston pump hydraulically operated direct from a hydraulic pump. Belt drive systems are not acceptable.	YES	NO
38.24.2. The water pump shall cycle approximately every 4.5 seconds. This pump cycle shall provide an automatic "jack-hammer" action in the hose to assist the nozzle in breaking through obstacles.	YES	NO
38.24.3. The water pump location shall provide a flooded inlet to eliminate potential cavatation damage. The water pump location shall be certified by the pump manufacturer.	YES	NO
38.24.4. The water pump shall have steel protection plate.	YES	NO
38.24.5. The high pressure water pump shall be designed so no damage shall occur if run at normal operating pressure and rpm without water for 30 minutes. A certification by the original water pump manufacturer to operate in such a manner shall be provided.	YES	NO
38.24.6. The positive displacement water pump shall use air at sufficient capacity to purge residual water. Drain plugs shall be provided in the bottom section of the water pump for complete cold weather draining.	YES	NO
38.24.7. The water pump shall be capable of maximum water pressure and flow while achieving maximum vacuum capability. The water pump shall operate independent of the vacuum system.	YES	NO
38.24.8. An oil-to-water heat exchanger shall be provided in the water system to cool all hydraulic fluids on the unit, with an oil-to-water ratio of 1 to 1.	YES	NO
38.24.9. Water pump shall have capability of being engaged/disengaged from driving mechanism at the front control panel by using an on/off switch.	YES	NO
38.24.10. The hydraulic flow to drive the water pump shall be from a hydraulic oil pump driven by the truck engine via a heavy duty air or electric-over-hydraulic shift power-take-off.	YES	NO
38.24.11. The PTO shall engage the hydraulic pump but not the water pump.	YES	NO
38.24.12. The rated design capacity of the high-pressure water pump shall be 100 GPM and 2000 PSI. A certification by the pump manufacturer for continuous duty shall be provided.	YES	NO
38.24.13. The hydraulic pump and water pump shall deliver 80 GPM at 2,500-PSI continuous duty operation.	YES	NO
38.24.14. Shall have a 3-inch Y-pattern strainer is installed prior to the water pump suction inlet to serve as an additional filtering device. The Y-filter shall include a 3-inch stainless steel, 80-mesh filter screen.	YES	NO
38.25. Front Mounted Hose Reel		
38.25.1. A hose reel shall be mounted on an independent frame that can be removed from brackets attached permanently to main truck frame members, and shall be driven via hydraulic motor with a dual sprocket and chain system.	YES	NO
38.25.2. Hose reel shall have a 1-inch rotating swivel joint that is adjustable and has replaceable seals on the inlet line to provide free rotation of hose reel.	YES	NO
38.25.3. All operating controls shall be located on the hose reel, and shall have a minimum capacity of 600 of 1-inch in diameter rodder hose.	YES	NO
38.25.4. A mechanical footage counter shall be mounted at the hose reel flange to measure the pay out and rewinding of hose in 1-foot increments, and permit operator visibility. This shall be supplied in addition to standard.	YES	NO
38.25.5. A telescoping/rotating hose reel with a 600-foot capacity for 1-inch sewer hose.	YES	NO
38.25.6. ½-inch high-pressure ball valves shall be installed to eliminate removal of drain plugs when draining or winterizing the water system. Valves shall be located on the bottom of the rodder pump for draining the water pump.	YES	NO
38.25.7. A hands-free, auto wind guide shall be provided to unwind and rewind the sewer hose onto the hose reel. It shall be located on the hose reel and shall be chain driven from the reel shaft, using a lead and follower mechanism, with an air operated preloaded roller assembly to maintain hose placement on the reel. The winding mechanism shall have a free wheeling provision for quick adjustments to compensate for hose length changes or repair.	YES	NO
38.25.8. Gate valves shall be installed to permit the servicing of the hydraulic system. A valve shall be located at the hydraulic pump suction line, return line, and oil filter.	YES	NO
38.26. Handgun System		
38.26.1. A positive displacement, double acting, single piston high-pressure water pump shall be utilized to supply 20 GPM at 600 PSI (relieved to protect the operator) to the wash down handgun system.	YES	NO
38.26.2. A quick disconnect coupling, located mid-ship of the machine, shall be furnished with hose and pistol grip nozzle. The hose shall be capable of delivering water to the area served by the catch basin intake nozzle and to the inside of the debris body. It also shall include a connection that allows the operator to deliver water to the area served by pick-up hose and to the inside of the debris body for clean out. The handgun should allow for changing of the flow pattern from a fine mist to a steady stream.	YES	NO
38.26.3. A spring retractable hand hose reel with 50-foot hose shall be supplied. It shall be a supplement to the standard hand gun system.	YES	NO
38.27. Rodder pump drain valves.	YES	NO
38.28. Hydraulic System		
38.28.1. The hydraulic reservoir shall have a 67-gallon capacity.	YES	NO

VENDOR NAME: _____

38.28.2. The tank shall be totally modular component and easily removed from its storage area.	YES	NO
38.29. Electrical		
38.29.1. The entire electrical system shall be vapor sealed to eliminate moisture damage to NEMA 4 (National Electrical Manufacturing Association) standards, shall be color-coded, and run in sealed terminal boxes.	YES	NO
38.29.2. All electrical connections shall ensure there are no exposed wires or terminals.	YES	NO
38.29.3. All light bulbs shall be shock mounted to eliminate bulb failure.	YES	NO
38.30. High Pressure Vacuum Hose		
38.30.1. Two jet nozzles with tungsten carbide orifices shall be furnished with the unit. A 15-degree nozzle and a 30-degree nozzle shall be furnished.	YES	NO
38.30.2. A flexible hose guide will be provided with a restraining rope for protection of rodder hose and to provide help in locating nozzles in sewer lines.	YES	NO
38.30.3. 600-foot x 1-inch Aeroquip, or equal, plastic type sewer hose shall be provided. The vacuum hose shall be 1-inch I.D. and shall be rated at 2,500 PSI working pressure with 6,250 PSI burst pressure.	YES	NO
38.31. Front Operating Stations & Controls. Controls & gauges include:		
38.31.1. Operation station shall be located at the front of the truck, and shall have at a minimum the following:	YES	NO
38.31.1.1. High pressure water pump on/off	YES	NO
38.31.1.2. Hose reel forward/reverse valve	YES	NO
38.31.1.3. Adjustable hose reel speed control	YES	NO
38.31.1.4. Hose reel tilt control	YES	NO
38.31.1.5. Oil dampened water pressure gauge.	YES	NO
38.31.1.6. Boom pendant control plug in	YES	NO
38.31.1.7. Truck engine throttle	YES	NO
38.31.1.8. Auxiliary engine on/off truck engine throttle	YES	NO
38.31.1.9. Auxiliary engine throttle control	YES	NO
38.31.1.10. Vacuum relief on/off switch	YES	NO
38.32. Mounting		
38.32.1. Unit shall be mounted on approved truck chassis at the factory of the body manufacturer.	YES	NO
38.33. Paint		
38.33.1. All metal surfaces shall be shot or sand blasted, and primed, prior to painting.	YES	NO
38.33.2. All hose and fittings, as well as electrical wires and connections, shall not be painted.	YES	NO
38.33.3. Paint shall be with manufacturer's standard in white paint. Shall be a wet-on-wet application. This paint shall be Low Voc-High Solids OSHA compliant designed for application over wet non-sanding primer base. All metal shall be grit blasted to near white finish, phosphorus washed, dried, cleaned of all dust, primer coated, and finish painted to a minimum 3 mil thickness. All finish painting shall be done prior to the assembly of the machine.	YES	NO
38.33.4. 3M brand reflective type (or equal), adhesive tape shall be applied in 3-inch wide inverted "V" style. Standard color shall be black.	YES	NO
38.34. Light Accessories		
38.34.1. Circuit breakers shall be supplied in lieu of fuses.	YES	NO
38.34.2. A hand held spotlight, one piece molded black neoprene pistol grip type, 110,000 candlepower, 100 watt/13 volt sealed beam built. SVO -25-foot coiled cord with 12-volt plug in connector, 4.5-inch diameter and 8.5 feet long shall be provided.	YES	NO
38.34.3. A limb or brush guard for revolving or strobe lights shall be supplied.	YES	NO
38.34.4. Amber strobe light(s) shall be mounted at left and right rear of the unit. They shall be 7.5 inches high, 6.5 inches diameter base and a 12 VDC- 8 joules, double flash-helical flash tube with a flash rate of 80+ or -10 FPM and shall have a power consumption of 18 amps. Light(s) shall have a polycarbonate amber lens. Light(s) shall meet shock test for MIL-S9-10C, SAE J1318 requirements for class 2 AAMVA certified, and all other federal, state, and local requirements at time of vehicle manufacture.	YES	NO
38.34.5. The two 12 VDC, adjustable shock mounted work lights shall be located on the 70 degree elbow and shall be wired with a retractable extension cord reel to allow extension of the boom. They shall be turned on/off with a toggle switch mounted on the operator control panel.	YES	NO

VENDOR NAME: _____

38.35. Arrow Sign		
38.35.1. A signal-master direction arrow shall be supplied. Shall be one piece with L.E.D. lights and located on rear only. (Precise location of board to be determined in consultation with the City).	YES	NO
38.35.2. Sign shall be 6-foot wide x 4-foot high (nominal)	YES	NO
38.35.3. Arrows must be visible during the daylight at a minimum distance of 200 feet.	YES	NO
38.35.4. Sign shall have an automatic dimmer to 50% of daylight intensity.	YES	NO
38.35.5. A parts and service manual shall be supplied.	YES	NO
38.36. An electronic back-up alarm shall be supplied.	YES	NO
38.37. Tow Hooks		
38.37.1. A set of tow hooks (2) shall be mounted at the front of the chassis to enable towing or pulling of the machine from dump sites. They shall be rated for the GVWR of the vehicle.	YES	NO
38.37.2. A set of tow hooks (2) shall be mounted at the rear frame of the chassis to enable towing or pulling the machine from dumpsites. They shall be rated for the GVWR of the vehicle.	YES	NO
38.38. Toolbox		
38.38.1. A 96-inch x 30-inch x 16-inch aluminum full width tool box shall be mounted behind cab.	YES	NO
38.39. Service & Parts Availability		
38.39.1. The bidder must have available a complete factory authorized parts and service center employing factory trained service and parts representatives with full mechanical rebuild/repair equipment capability within the City of Albuquerque. The bidder shall have shipping personnel during regular business working hours. The bidder shall also have mobile service equipment and capabilities to provide service at the City's facilities. The City may exercise its right to inspect each bidder's facilities to determine its qualifications to provide parts and service on an acceptable basis.	YES	NO
39. Warranty		
39.1. 3-year/36,000 bumper-to-bumper factory warranty on chassis and body. No deductible. Warranty shall cover entire assembled vehicle and all parts and accessories, except tires and normal wear items.	YES	NO
39.2. 5-year warranty on engine and transmission, to include all parts and labor. No deductible.	YES	NO
39.3. Offeror must identify in its bid the name and location of the Albuquerque Metro Area warranty repair facility, which must be fully capable of performing any and all necessary warranty repairs during the warranty period.	YES	NO
39.4. Acceptance of identified warranty repair facility by the City is subject to evaluation by the City; non-acceptance by the City may cause you offer to be considered non-responsive.	YES	NO
39.5. During the entire warranty period, warranty repairs must be initiated within 3 working days of notification by the City (and presentation of the vehicle) to the warranty repair facility.	YES	NO
39.6. Warranty repairs must be completed within 5 working days after initiation of work, unless delays can be proven to be beyond the control of the warranty repair facility.	YES	NO
39.7. Contractor shall take full responsibility for all warranty repairs, regardless of who performs the repairs.	YES	NO
40. Standard Equipment		
40.1. Unit furnished must have all standard equipment listed in official factory literature at the time of manufacture.	YES	NO
40.2. Three (3) sets of keys shall be provided with each unit.	YES	NO
41. Training		
41.1. Upon request by the City, up to 4 hours of repair and/or operation instruction shall be provided by the factory-trained personnel.	YES	NO
41.2. Training shall be provided for up to 12 City staff, as designated by the Fleet Management Division.	YES	NO
41.3. Training schedule shall be set as mutually agreeable to City and contractor.	YES	NO
41.4. Contractor must provide training within 30 days of delivery unless the City declines, which shall constitute forfeiture of the training by the City.	YES	NO
42. Unit(s) furnished must meet all applicable federal, state, and local requirements in effect at the time of delivery.	YES	NO

VENDOR NAME: _____

ADDITIONAL OPTIONS:		
Complete below for additional options; attach additional page(s) for additional offered options		
DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*
A.		$
B.		$
C.		$
D.		$
E.		$
F.		$
G.		$
H.		$
I.		$
J.		$
K.		$
L.		$
M.		$
N.		$
O.		$
P.		$
Q.		$

VENDOR NAME: _____

SPECIFICATIONS – ITEM 9
66,000 LB. GVWR CAB/CHASSIS WITH 12-YARD VACTOR BODY
RFB2006-135-SB

The following specifications are the *minimum acceptable* for furnishing **66,000 LB. GVWR CAB/CHASSIS WITH 12-YARD VACTOR BODY** to the City of Albuquerque as a result of this solicitation. Units furnished shall meet or exceed the physical and/or performance specifications of the reference model(s) below. The City may waive any minor exceptions, if doing so is in its best interests. The City also reserves the right to negotiate options not listed on this solicitation or not initially offered by the vendor, subject to mutual agreement. Quantities are estimated. Actual purchases will be made subject to availability of sufficient funds.

Bidder shall state exact make(s) and year(s) of vehicle and body offered. Complete the specification chart and attach *detailed* manufacturer literature that show both standard features and options, and state factory production schedules for the offered models. Offers must include the exact make/model of chassis, engine, transmission, and dump body offered. Include road performance data with your offer. Failure to do so may cause your offer to be rejected.

ITEM	QUANTITY *(estimate)*	UNIT	DESCRIPTION	REFERENCE MODEL (*Current Model*)
9	1	each	66,000 GVWR Cab/Chassis with 12-Yard Vactor Body	Kenworth T800, Freightliner M2-12 or equal
			BASE COST PER UNIT:	$
			MODEL:	
			MAKE:	
			ENGINE:	

STANDARD SPECIFICATIONS	MEETS SPECIFICATIONS *(circle appropriate answer)*	
1. Wheelbase		
1.1. Manufacturer's standard, sufficient to properly accommodate cab/chassis and specified body.	YES	NO
2. Cab to Axle		
2.1. Manufacturer's standard, sufficient to properly accommodate specified body	YES	NO
3. Engine		
3.1. 370 horsepower	YES	NO
3.2. Wet-sleeve	YES	NO
3.3. Six cylinder	YES	NO
3.4. Turbo-charge diesel	YES	NO
4. Engine Torque Rating		
4.3 1350 ft. lb. at rated RPM	YES	NO
4.1. Engine Air Intake	YES	NO
4.2. Engine air diverter to shut off external intake and pull air from engine compartment.	YES	NO
5. Exhaust		
5.1. Right hand vertical stack with muffler and rain protection	YES	NO
6. Engine Shut-Down System		
6.1. High engine temperature, low oil pressure	YES	NO
7. Cooling System		
7.1. Maximum available	YES	NO
7.2. Copper/brass radiator	YES	NO
7.3. Electric auxiliary cooling fan for low speed operation	YES	NO
7.4. ON/OFF fan	YES	NO
8. Electrical System		
8.1. 12 volt	YES	NO
8.2. Dual batteries with 1950 CCA combined in weather tight enclosure	YES	NO
8.3. 130 amp alternator	YES	NO
8.4. Heavy-duty flasher	YES	NO

VENDOR NAME: _____

8.5. Circuit breakers in lieu of fuses	YES	NO
8.6. Master disconnect switch	YES	NO
8.7. Jump start stud	YES	NO
8.8. Jumper cable jack at battery box with 20-foot heavy duty jumper cables.	YES	NO
9. Transmission		
9.1. Six speed, automatic	YES	NO
9.2. Allison 4500 RDS or equal with double overdrive oil level sensor with PTO provisions.	YES	NO
9.3. Push button pad shift console mounted on dashboard.	YES	NO
10. Service Brakes		
10.1. Dual air operated system	YES	NO
10.2. Anti-lock	YES	NO
10.3. Bendix, or equal with blink code diagnostics	YES	NO
10.4. 15.7 C.F.M. (minimum) air compressor, automatic slack adjusters and Bendix or equal air dryer	YES	NO
10.5. Spring loaded parking/emergency rear brake canisters	YES	NO
10.6. “Hub piloted” outboard mounted brake drums	YES	NO
11. Steering		
11.1. Hydraulic, power assist	YES	NO
12. Front Axle		
12.1. One piece I beam	YES	NO
12.2. 20,000 pound capacity	YES	NO
12.3. Oil lubricated front wheel hubs with Stemco clear caps or equal	YES	NO
13. Front Suspension		
13.1. Multi leaf with heavy duty shocks to meet axle capacity and gross vehicle weight	YES	NO
14. Rear Tandem Axle		
14.1. 46,000 pound capacity	YES	NO
14.2. Magnetic filler and drain plugs	YES	NO
14.3. Drive ratio to achieve approximately 59-66 MPH at 2,000 – 2,200 RPM.	YES	NO
15. Differential		
15.1. Driver controlled positive traction	YES	NO
16. Rear Suspension		
16.1. Multi leaf, with auxiliary to meet axle capacity and gross vehicle weight. *(or equal alternate rear suspension)*	YES	NO
17. Drive Line		
17.1. Spicer 1710 series or equal	YES	NO
18. Frame		
18.1. To meet 66,000 GVWR (nominal)	YES	NO
19. Bumper		
19.1. Heavy-duty	YES	NO
19.2. 12-inch structural steel channel	YES	NO
19.3. Ends contoured to shape of chassis hood	YES	NO
19.4. Mounted to frame with ½-inch x 6-inch steel plate, continuously welded on each side	YES	NO
19.5. Bolt-mount with 5/8-inch grade 8 bolts	YES	NO
20. Tires		
20.1. Steel belted 20-ply radial, to meet gross vehicle weight	YES	NO

VENDOR NAME: _____

21. Wheels		
21.1. One piece, steel disc (budd type)	YES	NO
22. Fuel Tanks/Capacity		
22.1. Dual step-type	YES	NO
22.2. 100 gallons combined capacity *(nominal)*	YES	NO
22.3. Minimum 14-inch ground clearance	YES	NO
22.4. Auxiliary non-skid metal step below tank step, welded to tank brackets	YES	NO
23. Cab		
23.1. Factory standard conventional cab with air conditioning and heat (see item 30)	YES	NO
23.2. Front air intake diverter	YES	NO
24. Seating		
24.1. Driver: High back air suspension cloth seats, National or equal	YES	NO
24.2. Passenger: Non- Suspension high back with headrest cloth seats	YES	NO
25. Fender Guides		
25.1. Manufacturer standard, dual, front fender mounted, stainless steel with convex mirrors	YES	NO
26. Rock Screens		
26.1. Expanded metal, with ¼-inch openings for front oil coolers and, behind grill for radiator.	YES	NO
27. Paint		
27.1. Factory applied, Cab: white; Frame: black	YES	NO
28. Mirrors		
28.1. Dual heated right and left West Coast Style with 8-inch diameter convex mirrors below	YES	NO
29. Sun Visors		
29.1. Driver and passenger	YES	NO
30. Climate Control		
30.1. Manufacturer's standard, multi-speed fresh air heater/defroster and air conditioning	YES	NO
31. Radio		
31.1. Factory standard AM/FM radio	YES	NO
32. Fenders		
32.1. Quarter fenders on rear wheels with mud flaps	YES	NO
33. Factory Manuals		
33.1. 1 set each per truck; Operators, Repair, Parts Manuals	YES	NO
33.2. Line sheet	YES	NO
33.3. Electrical schematic	YES	NO
34. Instrumentation		
34.1. To include but not limited to: engine oil pressure, tachometer, odometer, hour meter, coolant temperature, transmission temperature, transmission oil level, voltmeter, air pressure, and fuel gauge.	YES	NO
35. Electronics		
35.1. Road speed governor	YES	NO
35.2. Engine protection system	YES	NO
35.3. Comprehensive engine diagnostics	YES	NO
35.4. Adjustable low idle speed	YES	NO
36. Lighting		
36.1. Manufacturer's standard	YES	NO
36.2. To meet all current applicable local, state, and federal DOT and FMVSS regulations	YES	NO

VENDOR NAME: _____

37. Miscellaneous		
37.1. Tilt steering wheel	YES	NO
37.2. Cold weather starting aid	YES	NO
37.3. Engine block heater	YES	NO
37.4. Fresh air intake heater	YES	NO
37.5. Marker lamps	YES	NO
37.6. All glass factory tinted	YES	NO
37.7. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings	YES	NO
37.8. Windshield washers	YES	NO
37.9. Shoulder harness seat belts	YES	NO
37.10. Cigarette lighter	YES	NO
37.11. Ash tray	YES	NO
37.12. Dome light	YES	NO
37.13. Dual map lights	YES	NO
37.14. Exterior grab handles for entering/exiting cab	YES	NO
37.15. All wiring in split plastic looms unless otherwise stated	YES	NO
38. Jet Rodder & Vacuum System		
38.1. General		
38.1.1. The machine shall be the dual engine design to be used for removing sand, stones, bottles, cans, grease, sludge and other debris from storm drain lines by the flushing action of high pressure water. The high pressure water pump shall be hydraulically driven with the chassis engine as the power source.	YES	NO
38.2. Debris Body		
38.2.1. Twelve (12) cubic yard volumetric capacity or two thousand four-hundred (2,400) gallons.	YES	NO
38.2.2. Minimum 3/16-inch corrosion and abrasion resistant steel and with a minimum yield point of 50,000 psi and a minimum tensile strength of 70,000 psi.	YES	NO
38.3. Rear door:		
38.3.1. Shall have a full size rear door that is hinged at the top and is equipped with a replaceable neoprene type seal to prevent leakage.	YES	NO
38.3.2. The rear door shall be equipped with a body drain hose which allows operator to drain off excess liquids while retaining solids.	YES	NO
38.4. Load level indicator:		
38.4.1. Load level indicator shall show when the body is loaded to capacity.	YES	NO
38.4.2. The system shall utilize the debris body manual load level indicator to actuate an electric micro-switch with an alarm when the body reaches full capacity.	YES	NO
38.4.2.1. Manual ON/OFF switch shall be located at the control station to by-pass the alarm for transport.	YES	NO
38.5. Hydraulic cylinder:		
38.5.1. Double acting hydraulic cylinder, forward mount, which raises body to 50 degrees debris body shall be mounted on frame.	YES	NO
38.6. Frame:		
38.6.1. An independent frame that is separate from the chassis frame. It shall be mounted via a 3-point mounting system to allow flexing to occur without causing damage.	YES	NO
38.7. Air conveyance system:		
38.7.1. Shall draw air from two separate ports in the debris body for material separation and minimum material discharge.	YES	NO
38.8. Dump controls/Accessory controls:		
38.8.1. Located at a central curbside location, directly behind cab.	YES	NO
38.9. Flush-Out Nozzle		
38.9.1. Shall have eight (8) tungsten curbside tipped nozzles mounted at the front interior of debris body and sized to use water pump system at full capacity.	YES	NO

VENDOR NAME: _____

38.9.2. Control valve shall be located at the rear curbside of the machine.	YES	NO
38.10. Pipe Storage Racks:		
38.10.1. Shall be located on the curbside of the debris body above the rear water tank and driver side pipe rack, constructed of structural steel tubing and shall be spring assisted in the down and up positions for easy operation.	YES	NO
38.10.2. The rack shall be capable of storing three (3) 8-inch diameter pipe up to 7-foot long.	YES	NO
38.11. Lube Manifold:		
38.11.1. Located at curbside of unit, and allow ground level greasing of boom lift and swing cylinders, float level indicator, top rear door hinges and debris body hoist cylinder pins.	YES	NO
38.11.2. Rear door constructed of ExTen, or equal, steel, and bolted to the outside diameter on the rear flange of the debris body, from the 3 to 9 o'clock position.	YES	NO
38.12. Deflector Plate:		
38.12.1. Mounted to under side of debris body and inside the debris body.	YES	NO
38.13. Door Lock System:		
38.13.1. Four (4) rod/receiver block type sequential door locking system, cam operated by single hydraulic cylinder with separate hydraulic cylinder to activated door grabber at bottom of rear door.	YES	NO
38.13.2. Shall include door prop and curbside controls.	YES	NO
38.14. Butterfly Valve:		
38.14.1. Six- (6) inch I.D. valve located on right side of rear door approximately 2 to 3 o'clock position.	YES	NO
38.14.2. A single filtration screen over drain pipe, 10-foot flat drain hose with storage shall be provided.	YES	NO
38.15. Water Tanks		
38.15.1. Certified metered capacity of 1,300 gallons shall be totally separate from the debris tanks, provide no structural support, and share no common walls with debris tanks.	YES	NO
38.15.2. Water Tank Cells:		
38.15.2.1. Shall be constructed of multiple cylinder aluminum cells that shall be easily repaired or patched, if required.	YES	NO
38.15.3. Hung via rubber line "j" straps that located directly behind truck cab running the length of unit at or below frame.	YES	NO
38.16. Filters:		
38.16.1. Water tanks shall have a 2-inch Y-patterned filter with an 80 mesh stainless steel strainer to filter.	YES	NO
38.16.2. An air gap in water fill system shall be supplied. Shall include y-strainer 2.5-inch x 25-foot fill hose and hose storage.	YES	NO
38.16.3. Shall supply additional water capacity for 5, 10, and 12 cubic yard machines. Multiple aluminum, cylinder water tanks shall be located at the chassis frame level and over the rear tandem axles. (Total capacity shall be 1300 gallons)	YES	NO
38.16.4. A manual 3-inch bronze gate type valve shall be located at the water pump inlet, shall be used when a means to isolate the water pump from the water tank outlet is required.	YES	NO
38.16.5. A 3-inch Y-patter strainer at the water tank fill shall be supplied in lieu of the standard 2-½-inch Y-pattern strainer.	YES	NO
38.16.6. The Y-filter shall have a 3-inch, 80 mesh stainless steel water strainer included.	YES	NO
38.17. Air purge system		
38.17.1. An air purge system shall be supplied to aid in the purging of water lines and water pump for cold weather storage. This system shall utilize the chassis air compressor to fill independent air reservoirs. The air purge shall come complete with plumbing, valves and air pressure gauge. Pressure protection valves isolate the holding tank and the chassis compressor. The air purge system shall purge the residual water from the water system.	YES	NO
38.18. Continuous fill system		
38.18.1. A continuous fill system shall be supplied that will permit continuous water tank filling. This system shall include an air operated valve that opens when the water level lowers in the water tanks. This system shall permit the tanks to refill automatically while cleaning the sewer.	YES	NO
38.19. Side skirts		
38.19.1. Side skirts on rear of unit shall be supplied.	YES	NO

VENDOR NAME: _____

38.20. Vacuum System		
38.20.1. Vacuum shall be created by 2 tapered aluminum centrifugal compressor(s) with a minimum 38-inch diameter. The compressor shall be manufactured out of aluminum for operator safety. It shall have hard chrome plated, cast aluminum radial blades with a minimum thickness of ¼-inch, and shall be able to vacuum and jet rod to depths of 75 feet.	YES	NO
38.20.2. The aluminum centrifugal compressor shall be of the riveted type design. Welded steel fans are not preferred due to safety considerations.	YES	NO
38.20.3. Compressor shall be able to vacuum wet or dry material without damaging the vacuum system. Compressor shall carry a non-prorated five year warranty.	YES	NO
38.20.4. The vendor upon request shall provide air flow system and monitored performance data over time.	YES	NO
38.20.5. Reading using 6-inch orifice.	YES	NO
38.20.6. The outer housing shall be manufactured out of ¼-inch spun steel and carry a five-year warranty. The housing shall have a 2-inch drain, plumbed below the water tank for safe and easy clean out.	YES	NO
38.20.7. The fan housing shall be isolated on rubber mounting supports.	YES	NO
38.20.8. For cleaning of drying beds, vacuuming leaves and debris along curbs and arroyos, the unit shall have capability of maintaining a full, constant vacuum while unit is in motion.	YES	NO
38.21. Vacuum Drive System		
38.21.1. The centrifugal compressor shall be direct-driven through a helical, gear type step-up transmission drive with step-up ratio of 1.6 to 1.	YES	NO
38.21.2. The gear drive should attach directly to the rotor shaft without the use of multiple stage v-belts or jack shifts.	YES	NO
38.21.3. Pillow block bearings, that required excess daily greasing, shall not be permitted.	YES	NO
38.21.4. The drive shaft shall be supported via tapered roller bearings and gears.	YES	NO
38.21.5. The vacuum system shall be driven via fluid coupler that permits engagement of the fan without the use of a mechanical clutch mechanism.	YES	NO
38.22. Auxiliary Engine		
38.22.1. The auxiliary engine, used to drive the vacuum system, shall be a liquid cooled, turbo-charged, minimum 6-cylinder diesel powered, heavy-duty industrial four-cycle engine.	YES	NO
38.22.2. The engine shall have a minimum displacement of 414 inches and come equipped with high temperature/low oil pressure shutdown system as well as an exhaust silencer.	YES	NO
38.22.3. The auxiliary engine shall be supported on steel rubber isolating mounts and mounted on it's own sub-frame.	YES	NO
38.22.4. The entire auxiliary vacuum engine shall be insulated in a noise deadening shroud with a minimum of 1-inch of suppression insulation to further decrease the operating noise level.	YES	NO
38.22.5. The operating noise level shall not exceed 85 dB at 50 feet.	YES	NO
38.22.6. The noise deadening engine shroud shall be on roller tracts allowing the shroud to easily be pulled away from the engine, providing complete engine access.	YES	NO
38.22.7. Heavy panels requiring manual removal are not acceptable.	YES	NO
38.23. Boom		
38.23.1. Shall be designed for front-end operation, with the hose mounted and stored at front work station.	YES	NO
38.23.2. All connections between debris body and vacuum system shall be of the self-adjusting, pressure fitting type.	YES	NO
38.23.3. The lift and swing movements shall be by cylinder actuated. Gear and chain type rotations are not acceptable.	YES	NO
38.23.4. The boom shall be 6-way hydraulically driven up/down/left/right/extend/retract. A remote push button control station shall control the boom by cable to the hydraulic power swing/lift/extend cylinders.	YES	NO
38.23.5. The boom pendant control shall come equipped with control switches for all directions as well as a safety emergency shutdown button that automatically eliminates power to the boom.	YES	NO
38.23.6. A cab protection device, independent of cab is mandatory.	YES	NO
38.23.7. All hoses and tubes shall be 8-inch in diameter and shall remain stationary and not raise with the debris body in order to minimize of running the vacuum hose into power lines and low hanging branches. The upper debris tube shall consist of an anchored steel tube for additional life.	YES	NO
38.23.8. Pipe extensions shall be included to allow operator to clean to depths of 20 feet. This shall include a 6-foot 6-inch (6' 6") catch basin nozzle with a steel reinforced tip. Pipe should include sufficient adjustable, over center, quick clamps to join the aluminum flanged suction pipe.	YES	NO
38.23.9. An 8-foot telescoping boom, with cradle, shall be supplied. The 8-foot extension shall provide a minimum of 474 square feet of additional coverage. The boom shall rotate a minimum of 180 degrees and provide 277-inch minimum reach off the center line of the unit. The boom shall extend and retract a minimum of 8 feet and shall be located at the front work station in its retracted position. The boom shall include a true telescoping suction tube that shall extend and retract without affecting the steel elbow or lower debris hose vertical position.	YES	NO

VENDOR NAME: _____

38.24. High Pressure Water Pump		
38.24.1. The 80 GPM positive displacement, high pressure water pump shall be a double acting, single piston pump hydraulically operated direct from a hydraulic pump. Belt drive systems are not acceptable.	YES	NO
38.24.2. The water pump shall cycle approximately every 4.5 seconds. This pump cycle shall provide an automatic "jack-hammer" action in the hose to assist the nozzle in breaking through obstacles.	YES	NO
38.24.3. The water pump location shall provide a flooded inlet to eliminate potential cavatation damage. The water pump location shall be certified by the pump manufacturer.	YES	NO
38.24.4. The water pump shall have steel protection plate.	YES	NO
38.24.5. The high pressure water pump shall be designed so no damage shall occur if run at normal operating pressure and rpm without water for 30 minutes. A certification by the original water pump manufacturer to operate in such a manner shall be provided.	YES	NO
38.24.6. The positive displacement water pump shall use air at sufficient capacity to purge residual water. Drain plugs shall be provided in the bottom section of the water pump for complete cold weather draining.	YES	NO
38.24.7. The water pump shall be capable of maximum water pressure and flow while achieving maximum vacuum capability. The water pump shall operate independent of the vacuum system.	YES	NO
38.24.8. An oil-to-water heat exchanger shall be provided in the water system to cool all hydraulic fluids on the unit, with an oil-to-water ratio of 1 to 1.	YES	NO
38.24.9. Water pump shall have capability of being engaged/disengaged from driving mechanism at the front control panel by using an on/off switch.	YES	NO
38.24.10. The hydraulic flow to drive the water pump shall be from a hydraulic oil pump driven by the truck engine via a heavy duty air or electric-over-hydraulic shift power-take-off.	YES	NO
38.24.11. The PTO shall engage the hydraulic pump but not the water pump.	YES	NO
38.24.12. The rated design capacity of the high-pressure water pump shall be 100 GPM and 2000 PSI. A certification by the pump manufacturer for continuous duty shall be provided.	YES	NO
38.24.13. The hydraulic pump and water pump shall deliver 80 GPM at 2,500-PSI continuous duty operation.	YES	NO
38.24.14. Shall have a 3-inch Y-pattern strainer is installed prior to the water pump suction inlet to serve as an additional filtering device. The Y-filter shall include a 3-inch stainless steel, 80-mesh filter screen.	YES	NO
38.25. Front Mounted Hose Reel		
38.25.1. A hose reel shall be mounted on an independent frame that can be removed from brackets attached permanently to main truck frame members, and shall be driven via hydraulic motor with a dual sprocket and chain system.	YES	NO
38.25.2. Hose reel shall have a 1-inch rotating swivel joint that is adjustable and has replaceable seals on the inlet line to provide free rotation of hose reel.	YES	NO
38.25.3. All operating controls shall be located on the hose reel, and shall have a minimum capacity of 600 of 1-inch in diameter rodder hose.	YES	NO
38.25.4. A mechanical footage counter shall be mounted at the hose reel flange to measure the pay out and rewinding of hose in 1-foot increments, and permit operator visibility. This shall be supplied in addition to standard.	YES	NO
38.25.5. A telescoping/rotating hose reel with a 600-foot capacity for 1-inch sewer hose.	YES	NO
38.25.6. ½-inch high-pressure ball valves shall be installed to eliminate removal of drain plugs when draining or winterizing the water system. Valves shall be located on the bottom of the rodder pump for draining the water pump.	YES	NO
38.25.7. A hands-free, auto wind guide shall be provided to unwind and rewind the sewer hose onto the hose reel. It shall be located on the hose reel and shall be chain driven from the reel shaft, using a lead and follower mechanism, with an air operated preloaded roller assembly to maintain hose placement on the reel. The winding mechanism shall have a free wheeling provision for quick adjustments to compensate for hose length changes or repair.	YES	NO
38.25.8. Gate valves shall be installed to permit the servicing of the hydraulic system. A valve shall be located at the hydraulic pump suction line, return line, and oil filter.	YES	NO
38.26. Handgun System		
38.26.1. A positive displacement, double acting, single piston high-pressure water pump shall be utilized to supply 20 GPM at 600 PSI (relieved to protect the operator) to the wash down handgun system.	YES	NO
38.26.2. A quick disconnect coupling, located mid-ship of the machine, shall be furnished with hose and pistol grip nozzle. The hose shall be capable of delivering water to the area served by the catch basin intake nozzle and to the inside of the debris body. It also shall include a connection that allows the operator to deliver water to the area served by pick-up hose and to the inside of the debris body for clean out. The handgun should allow for changing of the flow pattern from a fine mist to a steady stream.	YES	NO
38.26.3. A spring retractable hand hose reel with 50-foot hose shall be supplied. It shall be a supplement to the standard hand gun system.	YES	NO
38.27. Rodder pump drain valves.	YES	NO
38.28. Hydraulic System		
38.28.1. The hydraulic reservoir shall have a 67-gallon capacity.	YES	NO

VENDOR NAME: _____

38.28.2. The tank shall be totally modular component and easily removed from its storage area.	YES	NO
38.29. Electrical		
38.29.1. The entire electrical system shall be vapor sealed to eliminate moisture damage to NEMA 4 (National Electrical Manufacturing Association) standards, shall be color-coded, and run in sealed terminal boxes.	YES	NO
38.29.2. All electrical connections shall ensure there are no exposed wires or terminals.	YES	NO
38.29.3. All light bulbs shall be shock mounted to eliminate bulb failure.	YES	NO
38.30. High Pressure Vacuum Hose		
38.30.1. Two jet nozzles with tungsten carbide orifices shall be furnished with the unit. A 15-degree nozzle and a 30-degree nozzle shall be furnished.	YES	NO
38.30.2. A flexible hose guide will be provided with a restraining rope for protection of rodder hose and to provide help in locating nozzles in sewer lines.	YES	NO
38.30.3. 600-foot x 1-inch Aeroquip, or equal, plastic type sewer hose shall be provided. The vacuum hose shall be 1-inch I.D. and shall be rated at 2,500 PSI working pressure with 6,250 PSI burst pressure.	YES	NO
38.31. Front Operating Stations & Controls. Controls & gauges include:		
38.31.1. Operation station shall be located at the front of the truck, and shall have at a minimum the following:	YES	NO
38.31.1.1. High pressure water pump on/off	YES	NO
38.31.1.2. Hose reel forward/reverse valve	YES	NO
38.31.1.3. Adjustable hose reel speed control	YES	NO
38.31.1.4. Hose reel tilt control	YES	NO
38.31.1.5. Oil dampened water pressure gauge.	YES	NO
38.31.1.6. Boom pendant control plug in	YES	NO
38.31.1.7. Truck engine throttle	YES	NO
38.31.1.8. Auxiliary engine on/off truck engine throttle	YES	NO
38.31.1.9. Auxiliary engine throttle control	YES	NO
38.31.1.10. Vacuum relief on/off switch	YES	NO
38.32. Mounting		
38.32.1. Unit shall be mounted on approved truck chassis at the factory of the body manufacturer.	YES	NO
38.33. Paint		
38.33.1. All metal surfaces shall be shot or sand blasted, and primed, prior to painting.	YES	NO
38.33.2. All hose and fittings, as well as electrical wires and connections, shall not be painted.	YES	NO
38.33.3. Paint shall be with manufacturer's standard in white paint. Shall be a wet-on-wet application. This paint shall be Low Voc-High Solids OSHA compliant designed for application over wet non-sanding primer base. All metal shall be grit blasted to near white finish, phosphorus washed, dried, cleaned of all dust, primer coated, and finish painted to a minimum 3 mil thickness. All finish painting shall be done prior to the assembly of the machine.	YES	NO
38.33.4. 3M brand reflective type (or equal), adhesive tape shall be applied in 3-inch wide inverted "V" style. Standard color shall be black.	YES	NO
38.34. Light Accessories		
38.34.1. Circuit breakers shall be supplied in lieu of fuses.	YES	NO
38.34.2. A hand held spotlight, one piece molded black neoprene pistol grip type, 110,000 candlepower, 100 watt/13 volt sealed beam built. SVO -25-foot coiled cord with 12-volt plug in connector, 4.5-inch diameter and 8.5 feet long shall be provided.	YES	NO
38.34.3. A limb or brush guard for revolving or strobe lights shall be supplied.	YES	NO
38.34.4. Amber strobe light(s) shall be mounted at left and right rear of the unit. They shall be 7.5 inches high, 6.5 inches diameter base and a 12 VDC- 8 joules, double flash-helical flash tube with a flash rate of 80+ or -10 FPM and shall have a power consumption of 18 amps. Light(s) shall have a polycarbonate amber lens. Light(s) shall meet shock test for MIL-S9-10C, SAE J1318 requirements for class 2 AAMVA certified, and all other federal, state, and local requirements at time of vehicle manufacture.	YES	NO
38.34.5. The two 12 VDC, adjustable shock mounted work lights shall be located on the 70 degree elbow and shall be wired with a retractable extension cord reel to allow extension of the boom. They shall be turned on/off with a toggle switch mounted on the operator control panel.	YES	NO

VENDOR NAME: _____

38.35. Arrow Sign		
38.35.1. A signal-master direction arrow shall be supplied. Shall be one piece with L.E.D. lights and located on rear only. (Precise location of board to be determined in consultation with the City).	YES	NO
38.35.2. Sign shall be 6-foot wide x 4-foot high (nominal)	YES	NO
38.35.3. Arrows must be visible during the daylight at a minimum distance of 200 feet.	YES	NO
38.35.4. Sign shall have an automatic dimmer to 50% of daylight intensity.	YES	NO
38.35.5. A parts and service manual shall be supplied.	YES	NO
38.36. An electronic back-up alarm shall be supplied.	YES	NO
38.37. Tow Hooks		
38.37.1. A set of tow hooks (2) shall be mounted at the front of the chassis to enable towing or pulling of the machine from dump sites. They shall be rated for the GVWR of the vehicle.	YES	NO
38.37.2. A set of tow hooks (2) shall be mounted at the rear frame of the chassis to enable towing or pulling the machine from dumpsites. They shall be rated for the GVWR of the vehicle.	YES	NO
38.38. Toolbox		
38.38.1. A 96-inch x 30-inch x 16-inch aluminum full width tool box shall be mounted behind cab.	YES	NO
38.39. Service & Parts Availability		
38.39.1. The bidder must have available a complete factory authorized parts and service center employing factory trained service and parts representatives with full mechanical rebuild/repair equipment capability within the City of Albuquerque. The bidder shall have shipping personnel during regular business working hours. The bidder shall also have mobile service equipment and capabilities to provide service at the City's facilities. The City may exercise its right to inspect each bidder's facilities to determine its qualifications to provide parts and service on an acceptable basis.	YES	NO
39. Warranty		
39.1. 3-year/36,000 bumper-to-bumper factory warranty on chassis and body. No deductible. Warranty shall cover entire assembled vehicle and all parts and accessories, except tires and normal wear items.	YES	NO
39.2. 5-year warranty on engine and transmission, to include all parts and labor. No deductible.	YES	NO
39.3. Offeror must identify in its bid the name and location of the Albuquerque Metro Area warranty repair facility, which must be fully capable of performing any and all necessary warranty repairs during the warranty period.	YES	NO
39.4. Acceptance of identified warranty repair facility by the City is subject to evaluation by the City; non-acceptance by the City may cause you offer to be considered non-responsive.	YES	NO
39.5. During the entire warranty period, warranty repairs must be initiated within 3 working days of notification by the City (and presentation of the vehicle) to the warranty repair facility.	YES	NO
39.6. Warranty repairs must be completed within 5 working days after initiation of work, unless delays can be proven to be beyond the control of the warranty repair facility.	YES	NO
39.7. Contractor shall take full responsibility for all warranty repairs, regardless of who performs the repairs.	YES	NO
40. Standard Equipment		
40.1. Unit furnished must have all standard equipment listed in official factory literature at the time of manufacture.	YES	NO
40.2. Three (3) sets of keys shall be provided with each unit.	YES	NO
41. Training		
41.1. Upon request by the City, up to 4 hours of repair and/or operation instruction shall be provided by the factory-trained personnel.	YES	NO
41.2. Training shall be provided for up to 12 City staff, as designated by the Fleet Management Division.	YES	NO
41.3. Training schedule shall be set as mutually agreeable to City and contractor.	YES	NO
41.4. Contractor must provide training within 30 days of delivery unless the City declines, which shall constitute forfeiture of the training by the City.	YES	NO
42. Unit(s) furnished must meet all applicable federal, state, and local requirements in effect at the time of delivery.	YES	NO

VENDOR NAME: _____

ADDITIONAL OPTIONS		
Complete below for additional options; attach additional page(s) for additional offered options		
DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*
A.		$
B.		$
C.		$
D.		$
$		$
$		$
$		$
$		$
$		$
$		$
$		$
$		$
$		$
$		$
$		$
$		$
$		$

VENDOR NAME: _____

SPECIFICATIONS – ITEM 10
66,000 LB. GVWR CAB/CHASSIS WITH 15-YARD VACTOR BODY
RFB2007-056-SB

The following specifications are the *minimum acceptable* for furnishing **66,000 LB. GVWR CAB/CHASSIS WITH 15-YARD VACTOR BODY** to the City of Albuquerque as a result of this solicitation. Units furnished shall meet or exceed the physical and/or performance specifications of the reference model(s) below. The City may waive any minor exceptions, if doing so is in its best interests. The City also reserves the right to negotiate options not listed on this solicitation or not initially offered by the vendor, subject to mutual agreement. Quantities are estimated. Actual purchases will be made subject to availability of sufficient funds.

Bidder shall state exact make(s) and year(s) of vehicle and body offered. Complete the specification chart and attach *detailed* manufacturer literature that show both standard features and options, and state factory production schedules for the offered models. Offers must include the exact make/model of chassis, engine, transmission, and dump body offered. Include road performance data with your offer. Failure to do so may cause your offer to be rejected.

ITEM	QUANTITY *(estimate)*	UNIT	DESCRIPTION	REFERENCE MODEL (*Current Model*)
10	1	each	66,000 GVWR Cab/Chassis with 15-yard Vactor Body	Kenworth T800, Freightliner M2-12 or equal
			BASE COST PER UNIT:	$
			MODEL:	
			MAKE:	
			ENGINE:	

STANDARD SPECIFICATIONS	MEETS SPECIFICATIONS *(circle appropriate answer)*	
1. Wheelbase		
1.1. Manufacturer's standard, sufficient to properly accommodate cab/chassis and specified body.	YES	NO
2. Cab to Axle		
2.1. Manufacturer's standard, sufficient to properly accommodate specified body	YES	NO
3. Engine		
3.1. 370 horsepower	YES	NO
3.2. Wet-sleeve	YES	NO
3.3. Six cylinder	YES	NO
3.4. Turbo-charge diesel	YES	NO
4. Engine Torque Rating		
4.1. 1350 ft. lb. at rated RPM	YES	NO
4.2. Engine Air Intake	YES	NO
4.3. Engine air diverter to shut off external intake and pull air from engine compartment.	YES	NO
5. Exhaust		
5.1. Right hand vertical stack with muffler and rain protection	YES	NO
6. Engine Shut-Down System		
6.1. High engine temperature, low oil pressure	YES	NO
7. Cooling System		
7.1. Maximum available	YES	NO
7.2. Copper/brass radiator	YES	NO
7.3. Electric auxiliary cooling fan for low speed operation	YES	NO
7.4. ON/OFF fan	YES	NO
8. Electrical System		
8.1. 12 volt	YES	NO
8.2. Dual batteries with 1950 CCA combined in weather tight enclosure	YES	NO
8.3. 130 amp alternator	YES	NO
8.4. Heavy-duty flasher	YES	NO

VENDOR NAME: _____

8.5. Circuit breakers in lieu of fuses	YES	NO
8.6. Master disconnect switch	YES	NO
8.7. Jump start stud	YES	NO
8.8. Jumper cable jack at battery box with 20-foot heavy duty jumper cables.	YES	NO
9. Transmission		
9.1. Six speed, automatic	YES	NO
9.2. Allison 4500 RDS or equal with double overdrive oil level sensor with PRO provisions.	YES	NO
9.3. Push button pad shift console mounted on dashboard.	YES	NO
10. Service Brakes		
10.1. Dual air operated system	YES	NO
10.2. Anti-lock	YES	NO
10.3. Bendix, or equal with blink code diagnostics	YES	NO
10.4. 15.7 C.F.M. (minimum) air compressor, automatic slack adjusters and Bendix or equal air dryer	YES	NO
10.5. Spring loaded parking/emergency rear brake canisters	YES	NO
10.6. “Hub piloted” outboard mounted brake drums	YES	NO
11. Steering		
11.1. Hydraulic, power assist	YES	NO
12. Front Axle		
12.1. One piece I beam	YES	NO
12.2. 20,000 pound capacity	YES	NO
12.3. Oil lubricated front wheel hubs with Stemco clear caps or equal	YES	NO
13. Front Suspension		
13.1. Multi leaf with heavy duty shocks to meet axle capacity and gross vehicle weight	YES	NO
14. Rear Tandem Axle		
14.1. 46,000 pound capacity	YES	NO
14.2. Magnetic filler and drain plugs	YES	NO
14.3. Drive ratio to achieve approximately 59-66 MPH at 2,000 – 2,200 RPM.	YES	NO
15. Differential		
15.1. Driver controlled positive traction	YES	NO
16. Rear Suspension		
16.1. Multi leaf, with auxiliary to meet axle capacity and gross vehicle weight. *(or equal alternate rear suspension)*	YES	NO
17. Drive Line		
17.1. Spicer 1710 series or equal	YES	NO
18. Frame		
18.1. To meet 66,000 GVWR (nominal)	YES	NO
19. Bumper		
19.1. Heavy-duty	YES	NO
19.2. 12-inch structural steel channel	YES	NO
19.3. Ends contoured to shape of chassis hood	YES	NO
19.4. Mounted to frame with ½-inch x 6-inch steel plate, continuously welded on each side	YES	NO
19.5. Bolt-mount with 5/8-inch grade 8 bolts	YES	NO
20. Tires		
20.1. Steel belted 20-ply radial, to meet gross vehicle weight	YES	NO

VENDOR NAME: _____

21. Wheels		
21.1. One piece, steel disc (budd type)	YES	NO
22. Fuel Tanks/Capacity		
22.1. Dual step-type	YES	NO
22.2. 100 gallons combined capacity *(nominal)*	YES	NO
22.3. Minimum 14-inch ground clearance	YES	NO
22.4. Auxiliary non-skid metal step below tank step, welded to tank brackets	YES	NO
23. Cab		
23.1. Factory standard conventional cab with air conditioning and heat (see item 30)	YES	NO
23.2. Front air intake diverter	YES	NO
24. Seating		
24.1. Driver: High back air suspension cloth seats, National or equal	YES	NO
24.2. Passenger: Bench style to accommodate two (2) passengers	YES	NO
25. Fender Guides		
25.1. Manufacturer standard, dual, front fender mounted, stainless steel with convex mirrors	YES	NO
26. Rock Screens		
26.1. Expanded metal, with ¼-inch openings for front oil coolers and, behind grill for radiator.	YES	NO
27. Paint		
27.1. Factory applied, Cab: white; Frame: black	YES	NO
28. Mirrors		
28.1. Dual heated right and left West Coast Style with 8-inch diameter convex mirrors below	YES	NO
29. Sun Visors		
29.1. Driver and passenger	YES	NO
30. Climate Control		
30.1. Manufacturer's standard, multi-speed fresh air heater/defroster and air conditioning	YES	NO
31. Radio		
31.1. Factory standard AM/FM radio	YES	NO
32. Fenders		
32.1. Quarter fenders on rear wheels with mud flaps	YES	NO
33. Factory Manuals		
33.1. 1 set each per truck; Operators, Repair, Parts Manuals	YES	NO
33.2. Line sheet	YES	NO
33.3. Electrical schematic	YES	NO
34. Instrumentation		
34.1. To include but not limited to: engine oil pressure, tachometer, odometer, hour meter, coolant temperature, transmission temperature, transmission oil level, voltmeter, air pressure, and fuel gauge.	YES	NO
35. Electronics		
35.1. Road speed governor	YES	NO
35.2. Engine protection system	YES	NO
35.3. Comprehensive engine diagnostics	YES	NO
35.4. Adjustable low idle speed	YES	NO
36. Lighting		
36.1. Manufacturer's standard	YES	NO
36.2. To meet all current applicable local, state, and federal DOT and FMVSS regulations	YES	NO

VENDOR NAME: _____

37. Miscellaneous		
37.1. Tilt steering wheel	YES	NO
37.2. Cold weather starting aid	YES	NO
37.3. Engine block heater	YES	NO
37.4. Fresh air intake heater	YES	NO
37.5. Marker lamps	YES	NO
37.6. All glass factory tinted	YES	NO
37.7. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings	YES	NO
37.8. Windshield washers	YES	NO
37.9. Shoulder harness seat belts	YES	NO
37.10. Cigarette lighter	YES	NO
37.11. Ash tray	YES	NO
37.12. Dome light	YES	NO
37.13. Dual map lights	YES	NO
37.14. Exterior grab handles for entering/exiting cab	YES	NO
37.15. All wiring in split plastic looms unless otherwise stated	YES	NO
38. Jet Rodder & Vacuum System		
38.1. General		
38.1.1. The machine shall be the dual engine design to be used for removing sand, stones, bottles, cans, grease, sludge and other debris from storm drain lines by the flushing action of high pressure water. The high pressure water pump shall be hydraulically driven with the chassis engine as the power source.	YES	NO
38.2. Debris Body		
38.2.1. Fifteen (15) cubic yard volumetric capacity or three thousand three hundred (3,300) gallons.	YES	NO
38.2.2. Minimum 3/16-inch corrosion and abrasion resistant steel and with a minimum yield point of 50,000 psi and a minimum tensile strength of 70,000 psi.	YES	NO
38.3. Rear door:		
38.3.1. Shall have a full size rear door that is hinged at the top and is equipped with a replaceable neoprene type seal to prevent leakage.	YES	NO
38.3.2. The rear door shall be equipped with a body drain hose which allows operator to drain off excess liquids while retaining solids.	YES	NO
38.4. Load level indicator:		
38.4.1. Load level indicator shall show when the body is loaded to capacity.	YES	NO
38.4.2. The system shall utilize the debris body manual load level indicator to actuate an electric micro-switch with an alarm when the body reaches full capacity.	YES	NO
38.4.2.1. Manual ON/OFF switch shall be located at the control station to by-pass the alarm for transport.	YES	NO
38.5. Hydraulic cylinder:		
38.5.1. Double acting hydraulic cylinder, forward mount, which raises body to 50 degrees debris body shall be mounted on frame.	YES	NO
38.6. Frame:		
38.6.1. An independent frame that is separate from the chassis frame. It shall be mounted via a 3-point mounting system to allow flexing to occur without causing damage.	YES	NO
38.7. Air conveyance system:		
38.7.1. Shall draw air from two separate ports in the debris body for material separation and minimum material discharge.	YES	NO
38.8. Dump controls/Accessory controls:		
38.8.1. Located at a central curbside location, directly behind cab.	YES	NO
38.9. Flush-Out Nozzle		
38.9.1. Shall have eight (8) tungsten curbside tipped nozzles mounted at the front interior of debris body and sized to use water pump system at full capacity.	YES	NO

VENDOR NAME: _____

38.9.2. Control valve shall be located at the rear curbside of the machine.	YES	NO
38.10. Pipe Storage Rack:		
38.10.1. Shall be located on the curbside of the debris body above the rear water tank, constructed of structural steel tubing and shall be spring assisted in the down and up positions for easy operation.	YES	NO
38.10.2. The rack shall be capable of storing three (3) 8-inch diameter pipe up to 7-foot long.	YES	NO
38.11. Lube Manifold:		
38.11.1. Located at curbside of unit, and allow ground level greasing of boom lift and swing cylinders, float level indicator, top rear door hinges and debris body hoist cylinder pins.	YES	NO
38.11.2. Rear door constructed of ExTen, or equal, steel, and bolted to the outside diameter on the rear flange of the debris body, from the 3 to 9 o'clock position.	YES	NO
38.12. Deflector Plate:		
38.12.1. Mounted to under side of debris body.	YES	NO
38.13. Door Lock System:		
38.13.1. Four (4) rod/receiver block type sequential door locking system, cam operated by single hydraulic cylinder with separate hydraulic cylinder to activated door grabber at bottom of rear door.	YES	NO
38.13.2. Shall include door prop and curbside controls.	YES	NO
38.14. Butterfly Valve:		
38.14.1. Six- (6) inch I.D. valve located on right side of rear door approximately 2 to 3 o'clock position.	YES	NO
38.14.2. A single filtration screen over drain pipe, 10-foot flat drain hose with storage shall be provided.	YES	NO
38.15. Water Tanks		
38.15.1. Certified metered capacity of 1,300 gallons shall be totally separate from the debris tanks, provide no structural support, and share no common walls with debris tanks.	YES	NO
38.15.2. Water Tank Cells:		
38.15.2.1. Shall be constructed of multiple cylinder aluminum cells that shall be easily repaired or patched, if required.	YES	NO
38.15.3. Hung via rubber line "j" straps that located directly behind truck cab running the length of unit at or below frame.	YES	NO
38.16. Filters:		
38.16.1. Water tanks shall have a 2-inch Y-patterned filter with an 80 mesh stainless steel strainer to filter.	YES	NO
38.16.2. An air gap in water fill system shall be supplied. Shall include y-strainer 2.5-inch x 25-foot fill hose and hose storage.	YES	NO
38.16.3. Shall supply additional water capacity for 5, 10, and 12 cubic yard machines. Multiple aluminum, cylinder water tanks shall be located at the chassis frame level and over the rear tandem axles. (Total capacity shall be 1300 gallons)	YES	NO
38.16.4. A manual 3-inch bronze gate type valve shall be located at the water pump inlet, shall be used when a means to isolate the water pump from the water tank outlet is required.	YES	NO
38.16.5. A 3-inch Y-patter strainer at the water tank fill shall be supplied in lieu of the standard 2-½-inch Y-pattern strainer.	YES	NO
38.16.6. The Y-filter shall have a 3-inch, 80 mesh stainless steel water strainer included.	YES	NO
38.17. Air purge system		
38.17.1. An air purge system shall be supplied to aid in the purging of water lines and water pump for cold weather storage. This system shall utilize the chassis air compressor to fill independent air reservoirs. The air purge shall come complete with plumbing, valves and air pressure gauge. Pressure protection valves isolate the holding tank and the chassis compressor. The air purge system shall purge the residual water from the water system.	YES	NO
38.18. Continuous fill system		
38.18.1. A continuous fill system shall be supplied that will permit continuous water tank filling. This system shall include an air operated valve that opens when the water level lowers in the water tanks. This system shall permit the tanks to refill automatically while cleaning the arroyo.	YES	NO
38.19. Side skirts		
38.19.1. Side skirts on rear of unit shall be supplied.	YES	NO
38.20. Vacuum System		
38.20.1. Vacuum shall be created by 2 tapered aluminum centrifugal compressor(s) with a minimum 38-inch diameter. The compressor shall be manufactured out of aluminum for operator safety. It shall have hard chrome plated, cast aluminum radial blades with a minimum thickness of ¼-inch, and shall be able to vacuum and jet rod to depths of 75 feet.	YES	NO

VENDOR NAME: _____

38.20.2. The aluminum centrifugal compressor shall be of the riveted type design. Welded steel fans are not preferred due to safety considerations.	YES	NO
38.20.3. Compressor shall be able to vacuum wet or dry material without damaging the vacuum system. Compressor shall carry a non-prorated five year warranty.	YES	NO
38.20.4. The vendor upon request shall provide air flow system and monitored performance data over time.	YES	NO
38.20.5. Reading using 6-inch orifice.	YES	NO
38.20.6. The outer housing shall be manufactured out of ¼-inch spun steel and carry a five-year warranty. The housing shall have a 2-inch drain, plumbed below the water tank for safe and easy clean out.	YES	NO
38.20.7. The fan housing shall be isolated on rubber mounting supports.	YES	NO
38.20.8. For cleaning of drying beds, vacuuming leaves and debris along curbs and arroyos, the unit shall have capability of maintaining a full, constant vacuum while unit is in motion.	YES	NO
38.21. Vacuum Drive System		
38.21.1. The centrifugal compressor shall be direct-driven through a helical, gear type step-up transmission drive with step-up ratio of 1.6 to 1.	YES	NO
38.21.2. The gear drive should attach directly to the rotor shaft without the use of multiple stage v-belts or jack shifts.	YES	NO
38.21.3. Pillow block bearings, that required excess daily greasing, shall not be permitted.	YES	NO
38.21.4. The drive shaft shall be supported via tapered roller bearings and gears.	YES	NO
38.21.5. The vacuum system shall be driven via fluid coupler that permits engagement of the fan without the use of a mechanical clutch mechanism.	YES	NO
38.22. Auxiliary Engine		
38.22.1. The auxiliary engine, used to drive the vacuum system, shall be a liquid cooled, turbo-charged, minimum 6-cylinder diesel powered, heavy-duty industrial four-cycle engine.	YES	NO
38.22.2. The engine shall have a minimum displacement of 414 inches and come equipped with high temperature/low oil pressure shutdown system as well as an exhaust silencer.	YES	NO
38.22.3. The auxiliary engine shall be supported on steel rubber isolating mounts and mounted on it's own sub-frame.	YES	NO
38.22.4. The entire auxiliary vacuum engine shall be insulated in a noise deadening shroud with a minimum of 1-inch of suppression insulation to further decrease the operating noise level.	YES	NO
38.22.5. The operating noise level shall not exceed 85 dB at 50 feet.	YES	NO
38.22.6. The noise deadening engine shroud shall be on roller tracts allowing the shroud to easily be pulled away from the engine, providing complete engine access.	YES	NO
38.22.7. Heavy panels requiring manual removal are not acceptable.	YES	NO
38.23. Boom		
38.23.1. Shall be designed for front-end operation, with the hose mounted and stored at front work station.	YES	NO
38.23.2. All connections between debris body and vacuum system shall be of the self-adjusting, pressure fitting type.	YES	NO
38.23.3. The lift and swing movements shall be by cylinder actuated. Gear and chain type rotations are not acceptable.	YES	NO
38.23.4. The boom shall be 6-way hydraulically driven up/down/left/right/extend/retract. A remote push button control station shall control the boom by cable to the hydraulic power swing/lift/extend cylinders.	YES	NO
38.23.5. The boom pendant control shall come equipped with control switches for all directions as well as a safety emergency shutdown button that automatically eliminates power to the boom.	YES	NO
38.23.6. A cab protection device, independent of cab is mandatory.	YES	NO
38.23.7. All hoses and tubes shall be 8-inch in diameter and shall remain stationary and not raise with the debris body in order to minimize of running the vacuum hose into power lines and low hanging branches. The upper debris tube shall consist of an anchored steel tube for additional life.	YES	NO
38.23.8. Pipe extensions shall be included to allow operator to clean to depths of 20 feet. This shall include a 6-foot 6-inch (6' 6") catch basin nozzle with a steel reinforced tip. Pipe should include sufficient adjustable, over center, quick clamps to join the aluminum flanged suction pipe.	YES	NO
38.23.9. An 8-foot telescoping boom, with cradle, shall be supplied. The 8-foot extension shall provide a minimum of 474 square feet of additional coverage. The boom shall rotate a minimum of 180 degrees and provide 277-inch minimum reach off the center line of the unit. The boom shall extend and retract a minimum of 8 feet and shall be located at the front work station in its retracted position. The boom shall include a true telescoping suction tube that shall extend and retract without affecting the steel elbow or lower debris hose vertical position.	YES	NO
38.24. High Pressure Water Pump		
38.24.1. The 80 GPM positive displacement, high pressure water pump shall be a double acting, single piston pump hydraulically operated direct from a hydraulic pump. Belt drive systems are not acceptable.	YES	NO
38.24.2. The water pump shall cycle approximately every 4.5 seconds. This pump cycle shall provide an automatic "jack-hammer" action in the hose to assist the nozzle in breaking through obstacles.	YES	NO

VENDOR NAME: _____

38.24.3. The water pump location shall provide a flooded inlet to eliminate potential cavatation damage. The water pump location shall be certified by the pump manufacturer.	YES	NO
38.24.4. The water pump shall have steel protection plate.	YES	NO
38.24.5. The high pressure water pump shall be designed so no damage shall occur if run at normal operating pressure and rpm without water for 30 minutes. A certification by the original water pump manufacturer to operate in such a manner shall be provided.	YES	NO
38.24.6. The positive displacement water pump shall use air at sufficient capacity to purge residual water. Drain plugs shall be provided in the bottom section of the water pump for complete cold weather draining.	YES	NO
38.24.7. The water pump shall be capable of maximum water pressure and flow while achieving maximum vacuum capability. The water pump shall operate independent of the vacuum system.	YES	NO
38.24.8. An oil-to-water heat exchanger shall be provided in the water system to cool all hydraulic fluids on the unit, with an oil-to-water ratio of 1 to 1.	YES	NO
38.24.9. Water pump shall have capability of being engaged/disengaged from driving mechanism at the front control panel by using an on/off switch.	YES	NO
38.24.10. The hydraulic flow to drive the water pump shall be from a hydraulic oil pump driven by the truck engine via a heavy duty air or electric-over-hydraulic shift power-take-off.	YES	NO
38.24.11. The PTO shall engage the hydraulic pump but not the water pump.	YES	NO
38.24.12. The rated design capacity of the high-pressure water pump shall be 100 GPM and 2000 PSI. A certification by the pump manufacturer for continuous duty shall be provided.	YES	NO
38.24.13. The hydraulic pump and water pump shall deliver 80 GPM at 2,500-PSI continuous duty operation.	YES	NO
38.24.14. Shall have a 3-inch Y-pattern strainer is installed prior to the water pump suction inlet to serve as an additional filtering device. The Y-filter shall include a 3-inch stainless steel, 80-mesh filter screen.	YES	NO
38.25. Front Mounted Hose Reel		
38.25.1. A hose reel shall be mounted on an independent frame that can be removed from brackets attached permanently to main truck frame members, and shall be driven via hydraulic motor with a dual sprocket and chain system.	YES	NO
38.25.2. Hose reel shall have a 1-inch rotating swivel joint that is adjustable and has replaceable seals on the inlet line to provide free rotation of hose reel.	YES	NO
38.25.3. All operating controls shall be located on the hose reel, and shall have a minimum capacity of 600 of 1-inch in diameter rodder hose.	YES	NO
38.25.4. A mechanical footage counter shall be mounted at the hose reel flange to measure the pay out and rewinding of hose in 1-foot increments, and permit operator visibility. This shall be supplied in addition to standard.	YES	NO
38.25.5. A telescoping/rotating hose reel with a 600-foot capacity for 1-inch sewer hose.	YES	NO
38.25.6. ½-inch high-pressure ball valves shall be installed to eliminate removal of drain plugs when draining or winterizing the water system. Valves shall be located on the bottom of the rodder pump for draining the water pump.	YES	NO
38.25.7. A hands-free, auto wind guide shall be provided to unwind and rewind the sewer hose onto the hose reel. It shall be located on the hose reel and shall be chain driven from the reel shaft, using a lead and follower mechanism, with an air operated preloaded roller assembly to maintain hose placement on the reel. The winding mechanism shall have a free wheeling provision for quick adjustments to compensate for hose length changes or repair.	YES	NO
38.25.8. Gate valves shall be installed to permit the servicing of the hydraulic system. A valve shall be located at the hydraulic pump suction line, return line, and oil filter.	YES	NO
38.26. Handgun System		
38.26.1. A positive displacement, double acting, single piston high-pressure water pump shall be utilized to supply 20 GPM at 600 PSI (relieved to protect the operator) to the wash down handgun system.	YES	NO
38.26.2. A quick disconnect coupling, located mid-ship of the machine, shall be furnished with hose and pistol grip nozzle. The hose shall be capable of delivering water to the area served by the catch basin intake nozzle and to the inside of the debris body. It also shall include a connection that allows the operator to deliver water to the area served by pick-up hose and to the inside of the debris body for clean out. The handgun should allow for changing of the flow pattern from a fine mist to a steady stream.	YES	NO
38.26.3. A spring retractable hand hose reel with 50-foot hose shall be supplied. It shall be a supplement to the standard hand gun system.	YES	NO
38.27. Rodder pump drain valves	YES	NO
38.28. Hydraulic System		
38.28.1. The hydraulic reservoir shall have a 67-gallon capacity.	YES	NO
38.28.2. The tank shall be totally modular component and easily removed from its storage area.	YES	NO
38.29. Electrical		
38.29.1. The entire electrical system shall be vapor sealed to eliminate moisture damage to NEMA 4 (National Electrical Manufacturing Association) standards, shall be color-coded, and run in sealed terminal boxes.	YES	NO

VENDOR NAME: _____

38.29.2. All electrical connections shall ensure there are no exposed wires or terminals.	YES	NO
38.29.3. All light bulbs shall be shock mounted to eliminate bulb failure.	YES	NO
38.30. High Pressure Vacuum Hose		
38.30.1. Two jet nozzles with tungsten carbide orifices shall be furnished with the unit. A 15-degree nozzle and a 30-degree nozzle shall be furnished.	YES	NO
38.30.2. A flexible hose guide will be provided with a restraining rope for protection of rodder hose and to provide help in locating nozzles in sewer lines.	YES	NO
38.30.3. 600-foot x 1-inch Aeroquip, or equal, plastic type sewer hose shall be provided. The vacuum hose shall be 1-inch I.D. and shall be rated at 2,500 PSI working pressure with 6,250 PSI burst pressure.	YES	NO
38.31. Front Operating Stations & Controls. Controls & gauges include:		
38.31.1. Operation station shall be located at the front of the truck, and shall have at a minimum the following:	YES	NO
38.31.1.1. High pressure water pump on/off	YES	NO
38.31.1.2. Hose reel forward/reverse valve	YES	NO
38.31.1.3. Adjustable hose reel speed control	YES	NO
38.31.1.4. Hose reel tilt control	YES	NO
38.31.1.5. Oil dampened water pressure gauge.	YES	NO
38.31.1.6. Boom pendant control plug in	YES	NO
38.31.1.7. Truck engine throttle	YES	NO
38.31.1.8. Auxiliary engine on/off truck engine throttle	YES	NO
38.31.1.9. Auxiliary engine throttle control	YES	NO
38.31.1.10. Vacuum relief on/off switch	YES	NO
38.32. Mounting		
38.32.1. Unit shall be mounted on approved truck chassis at the factory of the body manufacturer.	YES	NO
38.33. Paint		
38.33.1. All metal surfaces shall be shot or sand blasted, and primed, prior to painting.	YES	NO
38.33.2. All hose and fittings, as well as electrical wires and connections, shall not be painted.	YES	NO
38.33.3. Paint shall be with manufacturer's standard in white paint. Shall be a wet-on-wet application. This paint shall be Low Voc-High Solids OSHA compliant designed for application over wet non-sanding primer base. All metal shall be grit blasted to near white finish, phosphorus washed, dried, cleaned of all dust, primer coated, and finish painted to a minimum 3 mil thickness. All finish painting shall be done prior to the assembly of the machine.	YES	NO
38.33.4. 3M brand reflective type (or equal), adhesive tape shall be applied in 3-inch wide inverted "V" style. Standard color shall be black.	YES	NO
38.34. Light Accessories		
38.34.1. Circuit breakers shall be supplied in lieu of fuses.	YES	NO
38.34.2. A hand held spotlight, one piece molded black neoprene pistol grip type, 110,000 candlepower, 100 watt/13 volt sealed beam built. SVO -25-foot coiled cord with 12-volt plug in connector, 4.5-inch diameter and 8.5 feet long shall be provided.	YES	NO
38.34.3. A limb or brush guard for revolving or strobe lights shall be supplied.	YES	NO
38.34.4. Amber strobe light(s) shall be mounted at left and right rear of the unit. They shall be 7.5 inches high, 6.5 inches diameter base and a 12 VDC- 8 joules, double flash-helical flash tube with a flash rate of 80+ or -10 FPM and shall have a power consumption of 18 amps. Light(s) shall have a polycarbonate amber lens. Light(s) shall meet shock test for MIL-S9-10C, SAE J1318 requirements for class 2 AAMVA certified, and all other federal, state, and local requirements at time of vehicle manufacture.	YES	NO
38.34.5. The two 12 VDC, adjustable shock mounted work lights shall be located on the 70 degree elbow and shall be wired with a retractable extension cord reel to allow extension of the boom. They shall be turned on/off with a toggle switch mounted on the operator control panel.	YES	NO
38.35. Arrow Sign		
38.35.1. A signal-master direction arrow shall be supplied. Shall be one piece with L.E.D. lights and located on rear only. (Precise location of board to be determined in consultation with the City).	YES	NO
38.35.2. Sign shall be 6-foot wide x 4-foot high (nominal)	YES	NO
38.35.3. Arrows must be visible during the daylight at a minimum distance of 200 feet.	YES	NO

VENDOR NAME: _____

38.35.4. Sign shall have an automatic dimmer to 50% of daylight intensity.	YES	NO
38.35.5. A parts and service manual shall be supplied.	YES	NO
38.36. An electronic back-up alarm shall be supplied.	YES	NO
38.37. Tow Hooks		
38.37.1. A set of tow hooks (2) shall be mounted at the front of the chassis to enable towing or pulling of the machine from dump sites. They shall be rated for the GVWR of the vehicle.	YES	NO
38.37.2. A set of tow hooks (2) shall be mounted at the rear frame of the chassis to enable towing or pulling the machine from dumpsites. They shall be rated for the GVWR of the vehicle.	YES	NO
38.38. Toolbox		
38.38.1. A 96-inch x 30-inch x 16-inch aluminum full width tool box shall be mounted behind cab.	YES	NO
38.39. Service & Parts Availability		
38.39.1. The bidder must have available a complete factory authorized parts and service center employing factory trained service and parts representatives with full mechanical rebuild/repair equipment capability within the City of Albuquerque. The bidder shall have shipping personnel during regular business working hours. The bidder shall also have mobile service equipment and capabilities to provide service at the City's facilities. The City may exercise its right to inspect each bidder's facilities to determine its qualifications to provide parts and service on an acceptable basis.	YES	NO
39. Warranty		
39.1. 3-year/36,000 bumper-to-bumper factory warranty on chassis and body. No deductible. Warranty shall cover entire assembled vehicle and all parts and accessories, except tires and normal wear items.	YES	NO
39.2. 5-year warranty on engine and transmission, to include all parts and labor. No deductible.	YES	NO
39.3. Offeror must identify in its bid the name and location of the Albuquerque Metro Area warranty repair facility, which must be fully capable of performing any and all necessary warranty repairs during the warranty period.	YES	NO
39.4. Acceptance of identified warranty repair facility by the City is subject to evaluation by the City; non-acceptance by the City may cause you offer to be considered non-responsive.	YES	NO
39.5. During the entire warranty period, warranty repairs must be initiated within 3 working days of notification by the City (and presentation of the vehicle) to the warranty repair facility.	YES	NO
39.6. Warranty repairs must be completed within 5 working days after initiation of work, unless delays can be proven to be beyond the control of the warranty repair facility.	YES	NO
39.7. Contractor shall take full responsibility for all warranty repairs, regardless of who performs the repairs.	YES	NO
40. Standard Equipment		
40.1. Unit furnished must have all standard equipment listed in official factory literature at the time of manufacture.	YES	NO
40.2. Three (3) sets of keys shall be provided with each unit.	YES	NO
41. Training		
41.1. Upon request by the City, up to 4 hours of repair and/or operation instruction shall be provided by the factory-trained personnel.	YES	NO
41.2. Training shall be provided for up to 12 City staff, as designated by the Fleet Management Division.	YES	NO
41.3. Training schedule shall be set as mutually agreeable to City and contractor.	YES	NO
41.4. Contractor must provide training within 30 days of delivery unless the City declines, which shall constitute forfeiture of the training by the City.	YES	NO
42. Unit(s) furnished must meet all applicable federal, state, and local requirements in effect at the time of delivery.	YES	NO

ADDITIONAL OPTIONS: Complete below for additional options; attach additional page(s) for additional offered options

DESCRIPTION	MODEL	PRICE *(quantity 1 ea.)*
A.		$
B.		$
C.		$
D.		$
E.		$

VENDOR NAME: _____

SUPPLEMENTAL TERMS AND CONDITIONS:

These supplemental terms and conditions are in addition to the general instructions, terms and conditions and, in the event there is a conflict between the provisions of the general instructions, terms and conditions and these supplemental terms and conditions, the provisions of these supplemental terms and conditions shall control.

1. 12-Month Contract Period: A contract resulting from this request will be effective for twelve months from the date of award unless otherwise specified in this request

2. Extension of Contract Period: Any contract resulting from this request may be extended for two (2) additional twelve (12) month periods or any part of a twelve month period by mutual agreement between the contractor(s) and the City.

3. Estimated Quantities, Not An Order: The estimated quantities listed do not constitute an order and are not necessarily comprehensive; they are a representative sample of what is likely to be purchased during the course of a contract resulting from this request and will be used only to evaluate offers and award such a contract. These quantities as stated may increase or decrease depending on the actual needs of the City. Actual orders will be placed by the user.

4. Other Public Governmental Agencies (hereinafter, OPGA) may purchase from any Request for Bid (RFB) issued by the City unless otherwise stated. It shall further be understood that when the terms "City of Albuquerque" or "the City" are used, that OPGA also applies, unless otherwise stated. It shall be the responsibility of the vendor to verify whether the purchasing entity is legitimate.

5. All Offers are to be for NEW and of most current production vehicles, unless otherwise specified.

6. The "Ship To" for the City of Albuquerque always shall be the Fleet Management Division unless otherwise noted on the purchase order.

7. Final inspection and acceptance will be by the City's Fleet Management Division (or OPE designated entity on their contract) at the destination stated on any contract/purchase order that may result. Any problems will be forwarded, in writing, to the City Purchasing Officer for further action. Vehicles, supplies or equipment rejected at the destination for failure to comply with specifications will be removed promptly, at the Vendor's risk and expense, upon notification by the City.

8. Vendor agrees that the vehicles, supplies, equipment and/or services furnished under any order which may result from this RFB shall be covered by the most favorable commercial warranties (including extended warranties purchased herein).

9. Invoices shall be paid in full within 15 days of receipt of the vehicle(s) described therein. The seller may assess late payment charges on past due accounts not to exceed one and one-half percent (1-½%) per month of the unpaid balance. If payment is made by mail, it shall be deemed tendered on the date it is postmarked.

10. The vendor shall have the right to withhold vehicle origin/title documents until payment is received.

11. The following information shall be on each invoice, shipping and/or packing document, and presented at the time and place of delivery as instructed in the RFB, contract and/or purchase order:

    - City's Contract/Purchase Order Number
    - Ordering Department's Name
    - Vendor's Invoice Number and Date (shall be the same date as delivered and signed for by the "ship to"). Copies of the Invoice shall be provided to Accounts Payable and to the "ship to", and original invoice shall be mailed to the user department address/contact as stated on the Contract/Purchase Order.
    - Description, quantity, unit price and extended total of the item(s) being delivered.

12. A Separate invoice shall be issued for each vehicle/equipment.

13. All vehicles shall include all OEM equipment as supplied by the Manufacturer, unless otherwise specified on the contract/purchase order or in the RFB.

14. No Dealer/Vendor ornamentation or advertising shall be displayed on the interior *or* exterior of vehicle. Vehicles delivered with such ornamentation or advertising may be rejected and/or returned to the Vendor for removal at the Vendor's expense.

15. Vendors shall notify the City of Albuquerque Purchasing Office and the Fleet Management Division (in writing) of the Manufacturer's Build Out Dates as soon as is practicable.

16. Pricing offered as a result of this RFB is firm and not subject to negotiation.

17. All pricing offered in response to this RFB shall be based upon FOB Albuquerque, NM. Other Political Entities must negotiate transportation/costs with the seller(s).

18. All ordered options shall be installed on the vehicle prior to delivery to the City.

19. Vehicles and equipment that require fuel shall be delivered with a full tank of fuel.

20. The City of Albuquerque reserves the right to add or delete options or negotiate the price of options, if it is the best interest of the City. All negotiated pricing shall be subject to mutual agreement between the purchaser and the seller.

21. Any reference to a particular make or model are intended to denote acceptable levels of quality and design, and are not intended to be restrictive. Award is made to the lowest responsive, responsible Offeror who meets or exceeds specifications, terms and conditions.

22. All questions regarding any aspect of the RFB must be made, in writing, to the Purchasing Office. No direct contact with the end user or Fleet Management is permitted once a bid is posted to the City of Albuquerque's website.

23. The City of Albuquerque reserves the right to make multiple awards on bid items where pricing offered for base vehicles is within two percent (2%) of the lowest responsive bid.

24. Agency: In the event that an offer is signed by an agent, the City reserves the right to require evidence of the agent's authority.

25. Cited Model: The model (s) cited herein is (are) intended only as a reference; however any model offered must meet or exceed all specifications of the cited model(s) by virtue of performance and/or physical specifications.

26. Freight, as Indicated: F.O.B. point other than indicated by the City will not be acceptable.

27. Guaranteed Performance: The Offeror, if awarded a contract as a result of this request, guarantees that the materials supplied are capable of the performance required in the specifications in this request, and agrees to make such changes, adjustments or replacements as are immediately necessary in order for the materials to meet the purchasing requirements at no cost to the City. If defects or specification failures are discovered, the Purchasing Officer shall have the right, notwithstanding acceptance and payment, to require the unit/item to be properly furnished in accordance with the specifications and drawings at the cost and expense of the Offeror of the Offeror's surety.

28. Inspection of Materials: The City reserves the right to inspect materials provided by the Offeror through a contract resulting from this request to determine their quality, fitness and suitability. Inspection of these materials may be conducted whenever the City desires.

29. Manufacturer's Information: Any offer made in response to this request must include the manufacturer's make and model number (as applicable) of each item and literature clearly describing the item. Failure to provide this information and sufficient information to fully evaluate your offer may result in rejection of the offer.

30. Title: Title to all items of tangible personal property, services and construction provided pursuant to a contract resulting from this request shall pass to the City at the time of payment free and clear of all liens, claims, security interest and encumbrances.

31. Ship To Instructions: Ship to and invoice mailing information shall be stated on the individual contract / purchase order. Vendor shall provide a copy of each contract / purchase order and invoice at time of delivery. Ship to address shall be:

    City of Albuquerque
    Fleet Management Division
    5501 Pino Road, Building H
    Albuquerque, New Mexico 87109

CITY OF ALBUQUERQUE

GENERAL INSTRUCTIONS, TERMS, AND CONDITIONS

IMPORTANT: READ CAREFULLY BEFORE SUBMITTING OFFERS, FAILURE TO DO SO SHALL NOT ABSOLVE THE OFFEROR FROM RESPONSIBILITY TO PERFORM OR DELIVER AS SPECIFIED.

1. Applicability: Except as otherwise specifically provided in the Request, these General Instructions, Terms, and Conditions shall govern the procurement of the items specified in this Request. In the event of a conflict between these General Instructions, Terms, and Conditions, Supplemental Conditions or the specifications of this bid, the order of applications shall be the Specifications, Supplemental Conditions, and the General Instructions, Terms and Conditions. In addition, the Public Purchases Ordinances (Section 5-5-1 ***et seq***. **ROA** 1994) and promulgated Rules and Regulations shall apply.

2. Definitions: As used in this request, the definitions of the Public Purchases Ordinances (Section 5-5-2 ROA 1994) apply including the following:

   A. "City" means the City of Albuquerque, New Mexico.

   B. "Contract" means any agreement for the procurement of goods, services, construction or concessions. A purchase order issued in response to an offer constitutes a contract.

   C. "Contractor" means an Offeror who has been awarded a contract.

   D. "Offeror" means a business that submits a response to a competitive solicitation.

   E. "Purchase Order" means a document issued by the Purchasing Office directing the Contractor to deliver goods, services or construction.

   F. "Purchasing Office" means the Purchasing Division of the Department of Finance & Administrative Services of the City.

   G. "Purchasing Officer" means the person charged with the responsibility of administering the Purchasing Office.

   H. "Request" means all documents, including those attached or incorporated by reference, issued by the Purchasing Office for soliciting offers to provide goods, services, or construction.

   I. "Responsible Offeror" means a business which has the capability in all respects to perform fully the contract requirements set out in the competitive solicitation, and the integrity and reliability which will assure good faith performance, and who has not violated or attempted to violate any provision of law or ethical conduct. Factors which may be considered in determining the Offeror's capability to perform, among others, are its financial resources, production or service facilities, service reputation and experience.

   J. "Responsive Offer" means a written offer to furnish goods, services, or construction in conformity with standards, specifications, delivery terms and conditions, and all other requirements established in a competitive solicitation.

3. Preparation of Offer:

   A. Submission: All offers must be submitted on the Request for Bid Form enclosed. Failure to do so may disqualify your offer. It is the responsibility of the Offeror to submit sufficient additional information to allow for a thorough evaluation of the offer submitted.

   B. Preparation Method: All information required in the Request must be typewritten or handwritten in ink and must be legible. Erasures or other changes must be initiated by the person signing the offer. Each offer must be signed on the appropriate pages by an individual authorized to bind the Offeror submitting the offer.

   C. Unit Prices: The unit prices for each item offered shall be shown unless otherwise specified. In the case of a discrepancy between the unit price and the extended price, the unit price will govern in determining the price used for evaluation.

      Unit prices offered should be for the units specified.

   D. Delivery Time: Delivery time stated in the specifications shall apply. Deviations by the Offeror shall be stated on the Exception Form. Time, if stated in number of days, will be consecutive calendar days.

   E. Payment Terms: The Request for Bid Form provides space for the Offeror to identify the payment terms that the Offeror is offering. Terms of less than twenty (20) days will not be considered. The discount term shall not begin until the goods, services or construction have been delivered and accepted and the correct invoice received in the City's Accounts Payable Office.

      Prompt payment discounts will NOT be used as a factor in determining the lowest responsive offer.

   F. Freight Policy: Freight will be F.O.B. Destination (as indicated on the Request Form), Freight Prepaid, unless otherwise specified in this Request.

G. Taxes: Offerors shall include any applicable gross receipts taxes in it offered price, unless specified otherwise in this request, and such offer will be construed in that manner. The City will, under appropriate circumstances, furnish a non-taxable transaction certificate. Determination of whether the tax is due and payment of the tax is the responsibility of the Offeror. Applicable taxes are to be included in each invoice due and may not be billed more than sixty (60) days after providing the services to which the taxes apply.

H. New Material, Etc.: All materials, supplies, equipment, and vehicles specified in this Request shall be new, the latest in production and manufactured within the last twelve (12) months (computed from the date and time of offer opening) unless otherwise indicated. This does not apply to materials, supplies, equipment or vehicles used by the Contractor to provide the required items of tangible personal property, services or construction.

I. Warranty: Materials furnished by the successful Offeror shall be accompanied by the manufacturer's written warranty against defects in quality, craftsmanship, and materials.

The Offeror agrees that the items of tangible personal property, services or construction furnished under any contract resulting from this Request shall be covered by the most favorable commercial warranties the Offeror gives to any customer for such items. Further, the Offeror agrees that the rights and remedies provided in such warranties extend to the City and are in addition to and do not limit any rights afforded to the City by any other clause of this Request. The Offeror agrees not to disclaim warranties of fitness for a particular purpose of merchantability. Warranties shall become effective at the time of acceptance.

J. Equivalent Offers: Where a product is characteristic of a sole manufacturer, or where a brand name is indicated in the specifications, it shall be defined to mean minimum acceptable level or minimum quality required by the City unless the specifications state that no substitutes or equivalents will be allowed. If the Offeror offers an item other than the one specified, which the Offeror considers comparable, the manufacturer's name and model number of that item must be specified in the offer and sufficient performance specification and descriptive data provided to permit a thorough evaluation. Failure to provide the appropriate information may result in disqualification of the offer.

K. Exceptions to Specifications: Offerors are to state any exceptions taken to the Request on the Specifications Exception Form. If no exceptions are stated, the Offeror is required to furnish the items exactly as specified and to comply with all other requirements of this Request.

L. Indemnity: The Offeror to whom an award has been made as a result of this Request expressly agrees to defend, indemnify and save harmless the City and its officers, agents and employees from and against any and all claims, suits demands, actions, or proceedings of every nature and description brought because of any injury or damage received or sustained by any person, persons, or property arising out of the Offeror's providing the goods, services or construction pursuant to the offer or by reason of any act or omission, neglect or misconduct of the Offeror, the agents, employees or subcontractors of the Offeror or the agents or employees of any subcontractor of the Offeror. The indemnity required herein shall not be limited by reason of the specification of any particular insurance coverage.

M. Patent Indemnity: It any item furnished pursuant to any contract resulting from this Request shall be covered by any patent, copyright, or application for patent or copyright, the Offeror shall defend, indemnify and save harmless the City from any and all loss, cost or expense or any all claims suits, or judgments as a result of the use of such item in violation of rights under such patent, copyright, or application for patent or copyright.

N. Public Inspection: Each offer shall be open to public inspection, except to the extent the Offeror designates trade secrets or other proprietary data to be confidential. Material so designated shall accompany the offer and each page shall be clearly marked and readily separable from the offer in order to facilitate public inspection of the nonconfidential portion of the offer. Prices and makes and models or catalog numbers of the items offered, deliveries and terms of payment shall be publicly available at the time of the opening of the offer regardless of any designation to the contrary. The City shall endeavor to restrict distribution of the material designated as confidential to only those individuals involved in the review and analysis of the offers. Offerors are cautioned that materials designated confidential may nevertheless be subject to disclosure to any New Mexico citizen under the Inspection of Public Records Act (Sections 14-2-1 through 14-2-3 N.M.S.A 1978).

O. Material Safety Data Sheets: To comply with the Occupational Health and Safety Regulation 1910.1200 for general standards on handling hazardous materials safety data sheets may be required for all or part of the products included on the Request. It is the responsibility of the Offeror to make this determination and, if required, a copy of the MSDS must accompany the product when delivered to the end user. Failure to comply with this requirement may cause the delivery of products to be rejected and all costs related to such action to be borne by the Offeror.

P. License and Certifications: The Offeror must provide proof, in a manner acceptable and within the time period specified by the Purchasing Office, but prior to award, unless otherwise specified in this Request, that they are licensed and certified by the appropriate agencies as required by law to perform the services or provide the goods specified in this Request.

4. Debarment or Ineligibility Compliance: By submitting its offer in response to this Request, the Offeror certifies that (i) it has not been debarred or otherwise found ineligible to receive funds by any agency of the federal government, the State of New Mexico, any local public body of the State, or any state of the United States, and (ii) should any notice of debarment suspension, ineligibility or exclusion be received by the Offeror, the Offeror will notify the City immediately.

5. Ethical Conduct: By submitting its offer in response to this Request, the Offeror certifies that:

A. It has not offered, given or agreed to give to any City employee or former employee, a gratuity or offer of employment to influence the preparation of or recommendation of award of this Request;

B. It has not retained a person to solicit or secure a City Contract for a contingent fee;

C. It has not taken any action in restraint of free competitive bidding in connection with this Request;

D. It has not in any way violated the ethical conduct or other provisions of the City's Public Purchases Ordinance; and

E. It currently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with its performance of any contract resulting from this Request.

6. Requests for Explanations by Offerors:

A. Requests for Explanation: Any explanation desired by the Offeror regarding the meaning or interpretation of specifications or any part of this Request must be required in writing and received in the Purchasing Office not less then ten (10) working days before the offer opening date.

B. Responses to Requests: Oral explanations or instructions given prior to the opening of the offer shall not be binding, Any official explanations must be issued, in writing, by the Purchasing Division.

7. Addenda:

Addenda: Changes or amendments to specifications, conditions or provisions herein may be initiated ONLY through the Purchasing Office in the form of a written addendum.

Any addenda shall become a part of this Request and should be acknowledged either by being signed and returned with the offer or through letter or telegram that arrives prior to the opening of the offer.

Failure to do so may result in disqualification of the offer.

It is the responsibility of all vendors considering making an offer in response to this Request to ensure that they have received all addenda prior to making an offer. Offerors may contact the Purchasing Division to obtain information regarding any addenda issued. Failure to obtain an addendum shall not be grounds for overturning a recommendation of award.

8. Clarification of Offers:

The City may, in the evaluation of offers, request clarification from Offerors regarding their offers, obtain additional material or literature, and pursue other avenues of research as necessary to insure that a thorough evaluation is conducted.

9. Submissions of Offer:

A. Time: Offers not received by the time and date indicated on the Request will not be accepted.

B. Hand Carried: Offers may be hand carried to the City Clerk's Office on the eleventh (11th) floor of the Albuquerque/Bernalillo County Government Center, 1 Civic Plaza, Albuquerque, New Mexico.

C. Mailed: Offers may be mailed to the Attention of the City Clerk, City of Albuquerque, P.O. Box 1293, Albuquerque, New Mexico, 87103. The City shall not be responsible for offers that are mailed and not received by the opening date and time specified in the solicitation.

Note: The City picks up mail at the post office once every morning at 7:00 AM (local time). ALL SEALED BIDS MUST BE RECEIVED BY THE OFFICE OF THE CITY CLERK BY EXACTLY 1:30 PM, LOCAL TIME AS RECORDED IN THE CITY CLERK'S OFFICE.

D. Receipts: Receipts for hand delivered offers shall be issued by the City Clerk's Office (upon request) for offers which are hand carried.

E. Envelope Preparation: The envelope / package containing an offer must be sealed and the following identifying information legibly written or typed on the outside:

1) Name of Offeror
2) Request Number assigned by the City to the Request
3) Opening date as identified on the Request or subsequent addenda

F. No Other Methods of Offer Delivery: Neither telephone, telegraphic, or facsimile Offer shall be accepted.

10. Civil Rights Compliance:

Offeror certifies and agrees, by submittal of its offer, to comply and act in accordance with all provisions of the Albuquerque Human Rights Ordinance, the New Mexico Human Rights Act, Title VII of the U.S. Civil Rights Act of 1964, as amended, and all federal statutes and executive orders, New Mexico statutes and City of Albuquerque ordinances relating to the enforcement of civil rights.

Offeror additionally certifies and agrees to abide by and cooperate in the implementation of the policies and practices set forth in the City's Affirmative Action Plan.

Questions regarding civic rights or affirmative action compliance requirements should be directed to the City of Albuquerque Human Rights Division, Community Services Department.

11. Americans with Disabilities Act Compliance:

Offeror certifies and agrees, by submittal of its offer, to comply and act in accordance with all applicable provisions of the Americans with Disabilities Act of 1990 and Federal regulations promulgated thereunder.

12. Withdrawal of Offers:

An offer may be withdrawn in person at any time BEFORE the scheduled opening of offers, provided a receipt for the withdrawn offer is signed by the Offeror or the Offeror's authorized representative. The City reserves the right to request proof of authorization to withdraw an offer.

13. Opening of Offers:

Time and Place: Offers will be opened by the City Clerk at the time and place identified in this Request. Openings are open to the public. Offerors are encouraged to attend.

14. Disqualification of Offer:

A. Any offer received from an Offeror that is, at the time of submitting its offer or prior to receipt of award of a contract, debarred by or otherwise ineligible to receive funds from any agency of the federal government, the State of New Mexico, any local public body of the State, or any state of the United States, shall be rejected.

B. In addition, the City reserves the right to reject an offer for, including but not limited to, any one or more of the following circumstances:

C. In the past the Offeror has failed to comply with previous contractual commitments or offers to the City.

D. In the opinion of the City, the offered prices are higher than the prices for which the specified items or services can be purchased on the open market.

E. The Offeror failed to properly fill in any space on the Request Form and attached documents where information or a signature is required.

F. The Offeror did not, at the time the offer is made, have an appropriate New Mexico Contractor's License or Certification when one is required by law, regulation or this Request.

G. The Offeror failed to submit with their offer, bid bonds or other material requirements of the Request or has otherwise submitted a non-responsive offer.

H. There are unauthorized additions, conditions, alternate proposals or other irregularities of any kind which might make the offer incomplete, indefinite or ambiguous in meaning.

I. Offer was not submitted in ink or typewritten or there is any erasure or alternation of words or figures relating to pricing which is not initialed in ink by the Offeror.

J. The City determines that an offer contains any misrepresentations whatsoever.

15. Rejection/ Cancellation of Offers:

Any solicitation, prior to opening or after opening, may be cancelled or any or all offers may be rejected in whole or in part when it is in the best interest of the City.

16. Minor or Technical Irregularities:

Minor or technical irregularities in an offer, when there is no effect on price, quality or quantity may be waived and clerical errors in an offer may be corrected, if permitted by the Purchasing Officer and are in the best interest of the City.

17. Nonconforming/ Conditional, or Counter Offers:

An offer which is nonconforming or conditional, whether in part or in whole, will be rejected.

18. Offer Analysis:

The City reserves the right to analyze, examine and interpret any offer for a minimum period of ninety (90) consecutive calendar days, after the scheduled time for the opening of offers. Offers may not be rescinded during this period except for good cause and with the written approval of the Purchasing Officer. In those situations where the analysis / evaluation exceeds the ninety (90) calendar days, Offerors may withdraw their offers from consideration.

19. Award of Contract:

A. When Award Occurs: The award of a contract occurs when a Purchase Order is issued or other evidence of acceptance by the City is provided to the Offeror. A Recommendation of Award does not constitute award of contract.

B. Award: If a contract is awarded, it shall be awarded to the responsive and responsible Offeror whose offer is lowest in total price and is the most advantageous to the City, specifications and other factors considered.

C. Basis of Award: The City reserves the right to award a contract based on this Request in total or by group of items, on the basis of individual items, or any combination of these, which in the judgment of the Purchasing Officer, best services the interests of the City, unless otherwise stated in this Request.

D. Increase of Quantities: The City reserves the right to increase the quantities of items of tangible personal property, services or construction to be provided within a twelve (12) month period, under the terms of the Contract, at the same prices, with the consent of the Contractor.

E. Decrease of Quantities: The City reserves the right to decrease the quantities of items of tangible personal property, services or construction to be provided under the terms of the Contract. However, the Contractor shall be offered an opportunity to cancel the portion of the Contract affected by such a decrease if the Contractor is not able to meet the contracted prices by delivering the decreased amount. This clause shall not have effect if the Contract was originally awarded based on estimated quantities.

F. Contract Changes: In no case shall a contract be changed without the prior written approval of the Purchasing Officer.

G. Debarment / Cancellation of Contract: Upon receipt of notice of debarment of an Offeror awarded a contract as a result of this Request for Bids (the "Contractor"), or other ineligibility of the Contractor to receive funds from any agency of the federal government, the State of New Mexico, any local public body of the State, or any state of the United States, the City shall have the right to cancel the contract with the Contractor for cause as provided in Section 25 below.

H. Local and Resident Preferences: A five percent (5%) Preference may be afforded an Offeror who qualifies in accordance with the City's Public Purchases Ordinance. If no offers are received which qualify for a Local Preference, a 5% Resident Business Preference may be afforded an Offeror who has been certified by the State of New Mexico Purchasing Division, in compliance with State laws.

Information regarding the Public Purchases Ordinance and the application of the Local or Resident preference can be obtained by contacting the Purchasing Division at (505) 768-3344.

For consideration for the Local Preference the Offeror must complete the Local Preference Certification Form in accordance with the form instructions and return the Local Preference Certification Form with its offer.

To qualify for the Resident Preference, the Offeror must provide its assigned Resident Certification Number with its offer (an appropriate place is designated in the Request). If an Offeror does not provide its assigned Resident Certification Number with its offer, the offer shall not be considered as made by a resident business and no preference shall be applied during the analysis of that offer.

NOTE: Your State Tax Number is NOT your Resident Certification Number.

20. Goods Produced Under Decent Working Conditions:

It is the policy of the City not to purchase, lease, or rent goods, for use or for resale at City-owned enterprises that were produced under sweatshop conditions. The Offeror certifies, by submittal of its offer in response to this solicitation, that the goods offered to the City were produced under decent working conditions. The City defines under decent working conditions as production in a factory in which child labor and forced labor are not employed; in which adequate wages and benefits are paid to workers; in which workers are not required to work more than 48 hours per week (or less if a shorter workweek applies); in which employees are free from physical, sexual or verbal harassment, and in which employees can speak freely about working conditions and can participate in and form unions. [***Council Bill NO. M-8 Enactment No. 9-1998***]

21. Protest Process:

A. Request Documents: Protests concerning the specifications of this Request or other matters relating to the solicitation documents must be received by the Purchasing Officer no later than ten days prior to the deadline set for the receipts of offers.

B. Recommendation of Award: Protests concerning other matters relating to this Request must be filed with the Purchasing Officer not later than 5:00 p.m. of the date stipulated in the Recommendation of Award.

C. Timely Protests: Protests must be received by the Purchasing Officer prior to the appropriate deadline as set out in A. and B. of this Section or they will not be considered valid. The Purchasing Officer may waive the deadline for good cause, including a delay caused by the fault of the City. Late delivery by the U.S. Postal Service or other carrier shall not be considered good cause.

D. Required Information from Offeror: All protests must be submitted in written form and must be legible. Facsimile, telephone or telegraphic protests will not be accepted. Protests shall contain at a minimum the following:

1) Name and address of the protesting party
2) The solicitation / Request Number
3) A clear statement of the reason(s) for the protest
4) Details concerning the facts which support the protest
5) Attachments of any written evidence to substantiate the claims of the protest
6) Statement specifying the ruling requested

E. Protest Hearing: If a hearing is requested, the request must be included in the protest and received within the time limit to be allowed. The filing fee of twenty dollars ($20.00) must accompany the request for hearing. The grant of a hearing shall be at the discretion of the Purchasing Officer following review of the protest.

F. Delivery of Protest: Protests may be hand-delivered. Protests which are mailed should be addressed as follows:

Purchasing Officer
City of Albuquerque
Purchasing Division
P.O. Box 1293
Albuquerque, NM 87103

Envelope should also clearly indicate “PROTEST” and the solicitation number.

G. Purchasing Officer Action: The Purchasing Officer will, after evaluation of a protest, issue a response. Only issues outlined in the written protest will be considered by the Purchasing Officer or may be raised at a protest hearing.

22. Delivery, Acceptance and Guarantee:

A. No Delivery Before Purchase Order is Issued; No Offeror, including the Offeror to whom an award is made shall deliver any item of tangible personal property, commence services or construction prior to the issuance of a Purchase Order or Notice to Proceed issued by the City Purchasing Division.

B. Cancellation for Non-Delivery: The City reserves the right to cancel any order not delivered by a guaranteed date stipulated in any contract resulting from this Request without liability on the City’s part.

C. Acceptance of Delivery: Acceptance by the City of any delivery shall not relieve the Contractor of any guarantee or warranty, expressed or implied. Such acceptance of delivery shall not be considered an acceptance of services or materials not in accordance with the specifications. Such acceptance of delivery shall not waive the City’s right to require replacement of defective material or inadequate service.

23. Inspections:

Prior to Acceptance of Delivery: All items of tangible personal property, services or construction found inferior to the quality specified in the Request, deficient or incorrect in weight, measurement, workmanship, handicraft or otherwise, may be rejected as a whole or in part and then shall be removed by the Contractor at the Contractor’s own risk and expense promptly after notice of rejection. The Contractor shall assume responsibility for taking the necessary action to correct or replace the rejected items, within the time frame specified in the notice of rejection.

24. Invoices and Payments:

The Contractor shall submit an accurate invoice, in duplicate, for each purchase. Invoices shall refer to the Purchase Order Number, the Release Form Number if applicable, and shall be itemized unless otherwise specified in this Request. Invoices are to be mailed to: Accounting Division (Accounts Payable), City of Albuquerque, P.O. Box 1985, Albuquerque, New Mexico 87103. Invoices mailed or provided to any other entity will result in a delay in making payment. Offerors are encouraged to inquire if payments due are not received within thirty (30) days after delivery of goods/services and submittal of invoice by contacting the Accounting Division at (505) 768-3400.

25. Default/Termination for Cause:

If, through any cause, the Contractor fails to fulfill the Contractor’s obligations under any contract resulting from this Request in a timely and proper manner, or if the Contractor, violates any of the covenants, agreements or stipulations of such contract, the City shall notify the Contractor of such violations in writing and allow the Contractor a reasonable time, set out in the notice, to correct the default. If the default is not corrected within the specified time period the City shall have the right to cancel the contract and any or all other current contracts with the Contractor, and, if applicable, to purchase the required goods or services from another source or sources. The City shall provide written notice to the Contractor specifying the effective date of cancellation. The notice of cancellation may be contained in the notice of default.

If a contract resulting from this Request is cancelled, the Contractor shall not be relieved of liability to the City for damages caused by its breach of the contract. The City reserves the right to recover such damages, including but not limited to any excess cost incurred in having to purchase contract goods/services from other sources by a deduction from an unpaid balance due to the Contractor, collection against a performance or labor and materials payment bond, a combination of these remedies, or any other legal method available. In addition, the Contractor may be removed from the Purchasing Office Vendor List or determined to be ineligible to respond to future solicitations, as being not responsible.

26. Termination for the Convenience of the City:

The City may terminate any contract resulting from this Request at any time by giving at least thirty (30) days notice in writing of such termination to the Contractor. In such event, the Contractor shall be paid under the terms of the contract for all goods/services provided to and accepted by the City, if ordered or accepted by the City prior to the effective date of termination.

27. Termination for Lack of Appropriations:

Funding for the contract resulting from this Request has been appropriated by the City Council for the City's current fiscal year. Notwithstanding any other provisions in the contract resulting from this Request, its continuation beyond the end of the/ any fiscal year is contingent on the City Council making the appropriations necessary to fund the contract. If sufficient appropriations are not made the contract may be terminated at the end of the City's then current fiscal year upon written notice given by the City to the Contractor. Such termination shall not constitute a default. All payment obligations of the City and all of its interest in the contract will cease upon date of termination. The City's decision as to whether sufficient appropriations are available shall be accepted by the Contractor and shall be final.

(6/23/2004)

INSTRUCTIONS FOR
LOCAL PREFERENCE CERTIFICATION FORM

1. **ALL INFORMATION MUST BE PROVIDED**. A 5% local preference is available for this procurement. To qualify for this preference, an Offeror MUST complete and submit this Form with its offer. If an offer is received without the Form attached, completed, signed and certified, or if the Form is received without the required information, the preference will not be applied. The form or a corrected form will not be accepted after the deadline for receipt of bids or proposals.

2. **LOCAL PREFERENCE PRECEDENCE OVER STATE PREFERENCE**. The local preference takes precedence over the State Resident Business Preference and only one of the two preferences will be applied to any one offer. If it is determined that the local preference applies to one or more Offerors in any solicitation, the State Resident Business Preference will not be applied to any offers.

3. **PHYSICAL LOCATION MUST BE STATED**. To qualify for the local preference, a business must have a location in the Albuquerque Metropolitan Area (Abq. Metro Area). The business location inserted on the form must be a physical location, street address or such. Do not use a post office box or other postal address.

4. **ADDITIONAL REQUIREMENT.** To qualify for this preference, the principal Offeror (i.e. the business, not the individual signing the form) if it is a corporation, must be a New Mexico corporation with its articles of incorporation filed with the New Mexico Public Regulation Commission.

5. **DEFINITIONS**. The following definitions apply to this preference:

   - The Abq. Metro Area includes all locations within the City of Albuquerque and Bernalillo County, and within any municipality (i.e. incorporated city, town or village) contiguous to the City of Albuquerque and Bernalillo County.

   - A resident of the Abq. Metro Area is a person who occupies a dwelling in the Area and who manifests an intent to maintain that dwelling on a permanent basis.

   - A principal Offeror is a single Offeror, a business which is the prime contractor or one of the prime contractors and not a subcontractor, or a partner or joint venturer submitting an offer if conjunction with other businesses.

6. **ADDITIONAL DOCUMENTATION**. If requested, a business will be required to provide, within 10 working days of the request, documentation to substantiate the information provided on the form.

LOCAL PREFERENCE CERTIFICATION FORM

RFP/RFB NO: _____

Business Name: _____

Business Location (in Abq. Metro Area): _____

_____

Business Type: SELECT ONE

☐ Corporation – Indicate state of corporation → _____

☐ Partnership – Indicate "general" or "limited" → _____

☐ Sole Proprietorship (Single Owner with employees)

☐ Individual (Single Owner/No employees) → _____

☐ Other – Indicate status → _____

Additional Information: (PROVIDE IF BUSINESS IS A CORPORATION)

Date of incorporation in the State of New Mexico → _____

CERTIFICATIONS

I hereby certify that the business set out above is the principal Offeror submitting this offer or is one of the principal Offerors jointly submitting this offer (e.g. as a partnership, joint venture). I hereby certify that the information which I have provided on this form is true and correct, that I am authorized to sign on behalf of the business set out above and, if requested by the City, will provide, within 10 days of notice, the necessary documents to substantiate the information provided on this form.

Signature or Authorized Individual: _____ ←

Printed Name: _____

Title: _____

Date: _____

YOUR MUST RETURN THIS FORM WITH YOUR OFFER

9/24/02

CITY OF ALBUQUERQUE
Purchasing Division

OFFEROR COMMENTS FORM

Request Number RFB2007-056-SB

It is requested that Offerors provide any additional information relating to their offer that will assist in the evaluation of such without having to ferret out information concerning the goods and services you intend to provide.

Information pertains to the following (please check applicable box)

- ☐ **Equivalent Product**
- ☐ **Clarification**
- ☐ **Exception(s) to Requirements**
- ☐ **General or Miscellaneous Comments**

If additional space is required, please use reverse side of the form or attach additional document(s).

Name of Offeror	Signature (Authorized Representative)	Date