



The City of Danbury, CT

Sealed Bid Request

BID TITLE: Bid #09-16-17-06 "66,000 Pound Truck with Integrated Combination Sewer Cleaning System"

DATE BID OPENING: Tuesday, December 6, 2016

TIME: 10:00 AM

LOCATION: Purchasing Department, City Hall, 155 Deer Hill Avenue, Danbury, CT 06810

Bid Bond or Certified Check required with bid: 5%

Performance Bond required if awarded bid: Not Applicable

The City of Danbury reserves the right to accept or reject any or all bids or any portion thereof, to waive technicalities, and to award the contract as deemed to best serve the public interest.

Omit State and Federal Taxes

All prices must be FOB Destination (Danbury, CT) unless otherwise specified

Dated in Danbury: November 3, 2016

Purchasing Agent

Charles J. Volpe, Jr.

Pursuant to and in accordance with the Invitation to Bid, Instructions to Bidders, and specifications relating thereto, the undersigned agrees to furnish the equipment listed at the prices stated below:

Complete accompanying proposal page

Company: _____

Phone: _____

Address: _____

Fax: _____

E-mail: _____

Submitted By (signature): _____

Payment Terms: _____

Signed By (print/type): _____

Title: _____

Dated: _____

EXCEPTIONS

Page #	Paragraph	Item Description & Alternate Proposal

REFERENCES

List Below at least five (5) references for similar projects, including all information requested. THIS PAGE MUST BE COMPLETED. If Bidders wish to keep their references confidential, this page may be removed from the bid package and submitted with the bid in a separate sealed envelope marked "REFERENCES – CONFIDENTIAL". The City of Danbury is not responsible for maintaining the confidentiality of the references unless this procedure is followed.

1) Client _____
Project Address _____
Approximate \$ Value _____ Date: Started _____ Completed _____
Contact: Name _____ Telephone # _____

2) Client _____
Project Address _____
Approximate \$ Value _____ Date: Started _____ Completed _____
Contact: Name _____ Telephone # _____

3) Client _____
Project Address _____
Approximate \$ Value _____ Date: Started _____ Completed _____
Contact: Name _____ Telephone # _____

4) Client _____
Project Address _____
Approximate \$ Value _____ Date: Started _____ Completed _____
Contact: Name _____ Telephone # _____

5) Client _____
Project Address _____
Approximate \$ Value _____ Date: Started _____ Completed _____
Contact: Name _____ Telephone # _____

Company

Street

City, State, Zip

Bid Title _____
Bid # _____

Telephone #

Bid#09-16-17-06 "66,000 Pound Truck with Integrated Combination Sewer Cleaner System"

PROPOSAL

Pursuant to and in accordance with the "Invitation to Bid", instructions to bidders and specification relating thereto, the undersigned agrees to furnish the equipment listed at the prices stated below:

The Manufacturer and Model number herein are used for descriptive purposes. Such references are not intended to be restrictive. Proposals will be considered for any manufacturer that meets or exceeds the quality of the specifications listed. On all such proposals, the bidder shall specify the product they are proposing and shall supply sufficient data to enable a comparison to be made with the brand specified. Failure to submit the above may be sufficient grounds for rejection of the proposal.

ITEM	QTY	DESCRIPTION	UNIT COST	TOTAL
1.	+1ea	2017 Model Year 66,000 lb Truck with Combination Sewer Cleaner System	\$ _____	\$ _____

Proposed: MODEL _____

MAKE _____

If the City should decide to make additional purchases at a later date, the vendor agrees to hold prices for _____ days.

Complete Manufacturer's descriptive literature must accompany ALL proposals in order to be considered complete.

Guaranteed Delivery _____ days ARO

Prices to remain firm _____ days after award

Warranty _____

Bid Security in the amount of \$ _____ is enclosed. It is understood that said the City will retain security until the proposed equipment is delivered and accepted.

COMPANY _____

Note: Bidders must note their compliance to the specifications on the following pages in the spaces provided using the words "YES" or "NO". Deviations or changes must be noted and explained in detail on a separate sheet at the end of each section. The use of words such as "EXCEEDS, EQUAL TO or NOT REQUIRED" will not be acceptable in lieu of a detailed explanation.

Required

The vehicle to be furnished shall be the manufacturer’s standard package of the latest design with any modifications required to meet these specifications which are understood to be minimum.

The vehicle proposed shall be a new Freightliner 114SD or approved equivalent truck with integrated Combination Sewer Cleaning System as described below. Cab over engine or cab forward design is not acceptable.

<u>CATEGORY</u>	<u>DESCRIPTION</u>
Price Level	SD PRL-14D (EFF: 10/05/15)
Data Version	SpecPro21 Data Release Version 030
Vehicle Configuration	114SD Conventional Chassis 2017 Model Year Specified Set Forward Axle – Truck Straight Truck Provision LH Primary Steering Location
General Service	Truck Configuration Domiciled, USA 50 States (Including California and Carb Opt-In states) Utility/Repair/Maintenance Service Government Business Segment Liquid Bulk Commodity Terrain/Duty: 100% of the time, in transit, is spent on paved roads Maximum 8% expected grade Smooth concrete or asphalt pavement – most severe in-transit (between sites) road surface Freightliner Level II Warranty Expected Front Axle(s) Load: 20,000.0 lbs Expected rear Drive Axle(s) Load: 46,000.0 lbs Expected Pusher Axle(s) Load: 0.0 lbs Expected Gross Vehicle Weight Capacity: 66,000.0 lbs
Truck Service	Sewer/Industrial Vacuum Body Expected truck body width: 96.0 in Expected truck height (dry): 12.0 ft
Engine	Detroit DD13 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB/FT @ 975 RPM
Electronic Parameters	65 MPH road speed limit Cruise control speed limit same as road speed limit PTO mode engine RPM limit – 2100 RPM PTO RPM with cruise set switch – 800 RPM PTO RPM with cruise resume switch – 800 RPM PTO mode cancel vehicle speed – 5 mph

**Electronic Parameters
(cont'd)**

PTO governor ramp rate – 250 RPM per second _____
Enable regeneration in PTO mode _____
One remote PTO speed _____
Remote PTO speed 1 setting – 1100 RPM _____
Soft cruise control enables _____
PTO minimum RPM – 750 _____
PTO minimum RPM – 800 _____

Engine Equipment

2016 Onboard diagnostics/2010 _____
EPA/CARB/Final GHG17 configuration _____
2008 Carb emissions certification – clean idle
(includes 6x4 inch label on lower forward
corner of driver door) _____
No 2013 engine escalator _____
Standard oil pan _____
Engine mounted oil check and fill _____
Side hood air intake with Donaldson high
capacity air cleaner with safety element,
firewall mounted _____
DR 12V 200 AMP 28-SI Quadramount pad
alternator with remote battery volt sense _____
(3) Alliance model 1231, group 31, 12 volt
maintenance free 3375 CCA threaded stud
batteries _____
Battery box with aluminum cover mounted
short side to rail _____
Standard battery jumpers _____
LH battery box mounted as far aft as possible _____
Wire ground return for battery cables with
additional frame ground return _____
Non-polished battery box cover _____
Positive load disconnect with cab mounted
control switch mounted outboard driver seat _____
Positive and negative posts for jump start
located on frame next to starter _____
BW model BA-921 19.0 CFM single cylinder
air compressor with safety valve check _____
Electronic engine integral shutdown protection
system _____
Jacobs compression brake _____
RH outboard under step mounted horizontal
after treatment system assembly with RH-B-
Pillar mounted vertical tailpipe _____
Engine after treatment device, automatic over
the road regeneration and dash mounted
regeneration request switch _____
10 foot 06 inch (126 inch+0/-5.9 inch) exhaust
system _____
RH curved vertical tailpipe B-pillar mounted
routed from step _____
13 gallon diesel exhaust fluid tank _____
100 percent diesel exhaust fluid fill _____
Standard diesel exhaust fluid pump mounting _____

**Engine Equipment
(cont'd)**

Non-polished aluminum diesel exhaust fluid tank cover

LH medium duty standard diesel exhaust fluid tank location

Standard diesel exhaust fluid tank cap

Stainless steel after treatment device/muffler/tailpipe shield

Borg Warner (Kysor) rear air on/off engine fan clutch

Automatic fan control with dash switch and indicator light, non-engine mounted

DDC supplied engine mounted fuel filter/fuel water separator with water-in-fuel indicator

Full flow oil filter

1500 square inch aluminum radiator

Antifreeze to -34F, Oat (nitrate and silicate free) extended life coolant

Gates blue stripe coolant hoses or equivalent

Constant tension hose clamps for coolant hoses

HDEP fixed ratio coolant pump and radiator drain valve

Phillips-Tempro 1500 watt/1115 volt block heater

Chrome engine heater receptacle mounted under LH door

Delco 12V MOD 3.175-39MT+OCP starter with thermal protection and integrated magnetic switch

Transmission

Allison 4500 RDS automatic transmission with PTO provision

Transmission Equipment

Allison vocational package 149 – available on 3000/4000 product families with vocational model RDS

Allison vocational rating for on/off highway applications available with all product families

Primary mode gears, lowest gear 1, start gear 1, highest gear 6, available for 3000/4000 product families only

Secondary mode gears, lowest gear 1, start gear 1, highest gear 6, available for 3000/4000 product families only

84E-013: S1 performance primary shift schedule, available for 3000/4000 product families only

84F-012: S1 performance secondary shift schedule, available for 3000/4000 product families only

Primary shift speed recommended by DTNA & Allison, this defined by engine and vocational usage

**Transmission Equipment
(cont'd)**

Secondary shift speed recommended by DTNA & Allison, this defined by engine and vocational usage

84J-000: Engine brake range preselect recommended by DTNA & Allison, this defined by engine and vocational usage

84K-000: Engine brake range alternate preselect recommended by DTNA & Allison, this defined by engine and vocational usage

84L-010: Disable-dynamic shift sensing, disable-acceleration rate management

84N-000: Neutral at stop – disabled, fuel sense – disabled

84T-000: Disable-neutral range assist
Driver switch input – default – no switches

84V-001: Direction change enabled with multiplexed service brakes – Allison 5th gen transmissions

84W-001: Auxiliary function range inhibit with multiplexed service brakes – Allison 5th gen transmissions

Electronic transmission customer access connector firewall mounted

(2) Customer installed Muncie CS10 series PTO's

PTO mounting, LH side and top RH side of main transmission

Magnetic plugs, engine drain, transmission drain, axle(s) fill and drain

Push button electronic shift control, dash mounted

Transmission prognostics – enabled 2013

Water to oil transmission cooler, frame mounted

Transmission oil check and fill with electronic oil level check

Synthetic transmission fluid (TES-295 compliant)

Front Axle and Equipment

Detroit DA-F-20.0-5 20,000# FL1 71.0

KPI/3.74 drop single front axle

Meritor 16.5x6 Q+ cast spider cam front brakes, double anchor, fabricated shoes

Non-Asbestos front brake lining

Conmet cast iron front brake drums

Front brake dust shields

SKF Scotseal Plus XL front oil seals

Vented front hub caps with window, center and side plugs – oil

Standard spindle nuts for all axles

Front Axle and Equipment (cont'd)

Haldex automatic front slack adjusters with stainless steel clevis pins _____
Standard king pin bushings _____
TRW THP-60 power steering with RCH45 auxiliary gear _____
Power steering pump _____
4 quart power steering reservoir _____
Oil/air power steering cooler _____
Synthetic 75W-90 front axle lube _____

Front Suspension

23,000# flat leaf front suspension _____
Graphite bronze bushing with seals – front suspension _____
Front shock absorbers _____

Rear Axle and Equipment

RT-46-160P 46,000# R-series tandem rear axle _____
4.56 rear axle ratio _____
Iron rear axle carrier with standard axle housing _____
MXL 18T Meritor extended lube main driveline with half round yokes _____
MXL 17T Meritor extended lube interaxle driveline with half round yokes _____
Driver controlled traction differential – both tandem rear axles _____
Interaxle lock valve (1), driver controlled differential lock forward-rear and rear-rear axle valve (1) _____
Blinking lamp with each interaxle lock switch, interaxle unlock default with ignition off _____
Blinking lamp with each mode switch, differential unlock with ignition off, active <25 mph _____
Meritor 16.5x8.62 Q+ cast spider heavy duty cam rear brakes, double anchor, fabricated shoes _____
Non-asbestos rear brake lining _____
Standard brake chamber location _____
Conmet cast iron rear brake drums _____
Rear brake dust shields _____
SKF Scotseal Plus XL rear oil seals _____
Haldex Goldseal Longstroke 2-drive axles spring parking chambers _____
Haldex automatic rear slack adjusters with stainless steel clevis pins _____
Synthetic 75W-90 rear axle lube _____
Standard rear axle breather(s) _____

Rear Suspension

Hendrickson RT463 rear suspension @ 46,000# _____
Hendrickson RT/RTE – 6.00” saddle _____
Standard axle seats in axle clamp group _____
54 inch axle spacing _____

Rear Suspension (cont'd)

Steel beams and bronze center bushings with
bar pin adjustable end connections
Fore / Aft control rods

Brake System

Wabco 45/4M ABS with traction control
Reinforced nylon, fabric braid and wire braid
chassis air lines
Fiber braid parking brake hose
Standard brake system valves
Standard air system pressure protection system
STD U.S. front brake valve
Relay valve with 5-8 psi crack pressure, no rear
proportioning valve
BW AD-9SI brake line air dryer with heater
Bendex oil coalescing filter for air fryer
Air dryer mounted outboard on RH rail back of
cab, maximum 20 inches back of cab protrusion
Aluminum air tanks mounted as far aft inside
and/or below frame just forward of rear
suspension
Clear frame rails (except air dryer) outboard
both rails back of cab to rear suspension
Petcock drain valves on all air tank(s)
Cab blow out kit with air hose and nozzle inside
LH cab entry door

Trailer Connections

Upgraded chassis multiplexing unit

Wheelbase & Frame

6800MM (268 inch) wheelbase
7/16x3-9/16x11-1/8 inch steel frame
(11.11mmx282.6mm/0.437x11.13 inch) 120
KSI
¼ inch (6.35mm) C-channel inner frame
reinforcement
1900mm (75 inch) rear frame overhang
Frame overhang range: 71 inch to 80 inch
24 inch integral front frame extension with 0.25
inch insert
Calc'd back of cab to rear susp C/L (CA):
184.54 in
Calculated effective back of cab to rear
suspension C/L (CA)L 181.54 in
Calc'd frame length – overall: 394.69 in
Calc'd space available for deck plate: 184.54 in
Calculated frame space LH side: 97.52 in
Calculated frame space RH side: 152.62 in
Square end of frame
Front closing cross member
Standard weight engine cross member
Standard mid-ship #1 cross member(s)

**Wheelbase & Frame
(cont'd)**

Standard rear-most cross member
Heavy duty suspension cross member

Chassis Equipment

Omit front bumper, customer installed special bumper, does not comply with FMCSR 393.203
Grade 8 threaded hex headed frame fasteners
Customer requested DXF “driveline and cross member only” layout (send to wleonard@gradall.com)

Fuel Tanks

100 gallon / 378 liter aluminum fuel tank-LH
25 inch diameter fuel tank(s)
Plain aluminum / painted steel fuel/hydraulic tank(s) with painted bands
Fuel tank(s) forward
Plain step finish
Fuel tank cap(s)
Davco 482 fuel/water separator with 12 volt preheater – mount as close as possible to fuel tank and fuel cooler as
Equiflo inboard fuel system
High temperature reinforced nylon fuel line
Fuel cooler – mounted inside frame rail as close as possible to back of fuel tank

Tires

Michelin XZY-3 425/65R22.5 20 ply radial front tires
Michelin XDE M/S 11R22.5 16 ply radial rear tires

Hubs

Conmet preset plus iron front hubs
Conmet preset plus iron rear hubs

Wheels

Maxion wheels 10035 22.5x12.25 10-hub pilot 4.75 inset 5-hand steel disc front wheels
Accuride 28828 22.5x8.25 10-hub pilot 2-hand HD steel disc rear wheels

Cab Exterior

114 inch BBC flat roof aluminum conventional cab
Air cab mounts
Non-removable bug screen mounted behind grill
Front fenders
3-1/2 inch fender extensions
LH and RH grab handles
Bright finish radiator shell/hood bezel
Stationary black grille with bright accents
Chrome hood mounted air intake grille
Fiberglass hood
Hood liner insulation with single firewall insulation

Cab Exterior (cont'd)

Single 14 inch round Hadley air horn under LH deck
Single electric horn
Single horn shield
Door locks and ignition switch keyed the same with (4) keys
Rear license plate mount at end of frame
Halogen composite headlamps with bright bezels
LED aerodynamic marker lights
Headlights on with wipers, with low beam daytime running lights
Integral stop/tail/backup lights
Standard front turn signal lamps
Dual west coast bright finish heated mirrors with LH & RH remote
Door mounted mirrors
102 inch equipment width
LH & RH 8 inch bright finish convex mirrors mounted under primary mirrors
RH down view mirror
Standard side/rear reflectors
RH after-treatment system cab access with plain diamond plate cover
2-Stage electric horn and hazard lamp alert controlled by particulate filter regeneration required status
Composite exterior sun visor
63x14 inch tinted rear windows (35%)
Tinted door glass LH & RH with tinted non-operating wing windows (35%)
Manual door window regulators
Tinted windshield
8 liter windshield washer reservoir, cab mounted, with fluid level indicator

Cab Interior

Opal gray vinyl interior
Molded plastic door panel(s) without vinyl insert with aluminum kick plate lower door(s)
Black mats with single insulation
Dash mounted ash tray(s) without lighter
Forward roof mounted console with upper storage compartments without netting
Center storage console mounted on the back wall
(2) cup holders LH & RH dash
Gray/Charcoal wing dash
Smart switch expansion model
2-1/2 lb fire extinguisher
First aid kit
Heater, defroster and air conditioner
Standard HVAC ducting
Main HVAC controls with recirculation switch

Cab Interior (cont'd)

Standard heater plumbing
Denso heavy duty air conditioner compressor
Binary control, R-134A
Premium insulation
Solid-state circuit protection and fuses
12v negative ground electrical system
Dome door activated LH & RH, dual reading lights, forward cab roof
Cab door latches with manual door locks
12 volt power supply in dash (1)
Triangular reflectors without flares
Premium high back air suspension driver seat with 3 chamber air lumbar, integrated cushion extension, forward and rear cushion tilt, adjustable shock absorber
Premium high back air suspension passenger seat with 3 chamber air lumbar, integrated cushion extension, forward and rear cushion tilt, adjustable shock absorber
Dual driver seat arm rests and inboard passenger seat arm rest
LH & RH integral door panel arm rests
Vinyl with vinyl insert driver seat
Vinyl with vinyl insert passenger seat
3 point high visibility orange retractor driver and passenger seat belts
Adjustable tilt and telescoping steering column
4-spoke 18 inch (450mm) steering wheel
Driver and passenger interior sun visors

Instruments

Gray central instrument panel
Engine remote interface with park brake interlock
Black gauge bezels
Low air pressure indicator light and audible alarm
2 inch primary and secondary air pressure gauges
Dash mounted air restriction indicator with graduations
Electronic cruise control with switched on auxiliary gauge panel (B dash panel)
Key operated ignition switch and integral start position: 4 position
OFF/RUN/START/ACCESSORY
ICU3S, 132x48 display with diagnostics, 28 LED warning lamps and data linked
Heavy duty onboard diagnostics interface connector located below LH dash
2 inch electric fuel gauge
Fuel filter restriction indicator
Engine remote interface for remote throttle
Engine remote interface connector in engine compartment

Instruments (cont'd)

Electrical engine coolant temperature gauge
Engine oil temperature gauge
2 inch transmission oil temperature gauge
Engine and trip hour meters integral within driver display
Customer furnished and installed PTO controls
Electric engine oil pressure gauge
Overhead instrument panel
AM/FM/WB radio with Bluetooth and microphone, front USB port, front and rear auxiliary inputs and J1939
Dash mounted radio
Radio speakers in cab (2)
AM/FM antenna mounted on forward LH roof
Power and ground wiring provision overhead
Roof/overhead console CB radio provision
Electronic MPH speedometer with secondary KPH scale, without odometer
Standard vehicle speed sensor
Electronic 3000RPM tachometer
Detroit connect virtual technician connectivity package (Detroit engines only)
5 years total virtual technician remote diagnostics service (3 years additional to standard)
Ignition switch control engine stop
Pre-trip lamp inspection, all outputs flash, with smart switch
Rear spring loaded hand control brake valve
Digital voltage display integral with driver display
Single electric windshield wiper motor with delay programmed to slowest speed with park brake set
Marker light switch integral with headlight switch
One valve parking brake system with dash valve control auto-neutral and warning indicator
Self-canceling turn signal switch with dimmer, washer/wiper and hazard in handle
Integral electronic turn signal flasher with hazard lamps overriding stop lamps

Design

Color

Paint: one solid color
Cab color A: L0006EB White Elite BC
Black, high solids polyurethane chassis paint
No fuel tank cabinet paint
Powder white (N0006EA) front wheels/rims (PKWHT21, TKWHT21, W, TW)
Powder White (N0006EA) rear wheels/rims (PKWHT21, TKWHT21, W, TW)
Sun visor painted same as cab color A

Color (cont'd)

Standard E coat/undercoating

Certification/Compliance

U.S. FMVSS Certification, except sales cabs
and glider kits

-

SPECIFICATIONS

TRUCK MOUNTED COMBINATION JET/VACUUM MACHINE

Intent - The intent of this specification is to define the minimum requirements of the **City of Danbury CT** for a vacuum air conveying sewer cleaner.

General: This unit is designed for and capable of simultaneous high pressure jetting and vacuuming for the removal of sand, grit, grease, sludge, stones and other materials from sanitary sewers, storm sewers, catch basins, pumping stations, and other facilities. The unit will have a self-contained water supply for use with a high pressure cleaner for breaking of blockages and removal of material contained therein.

The unit will include an air conveying system capable of simultaneous removal of debris flushed to the manhole by the sewer cleaner system, or debris removal from catch basins, sumps, digesters, wet wells, etc. using the single chassis engine as the power source. The vacuum system will include a sealed body for storage and removal of the collected debris.

The unit will be designed for ease of maintenance and be fully operational by one man and all controls will be located at an operator's station in front of the truck for convenience and safety.

The combination machine will comply with all federal, state and local laws binding upon this type of equipment. **Must meet Certified ISO 9001- 2008**

Note: Bidders must note their compliance to the specifications in the space provided using the words **"YES"** or **"NO"**. Deviations or changes must be noted and explained in detail on a separate sheet at the end of each section. The use of words such as **"exceeds, equal to or not required"** will not be acceptable in lieu of a detailed explanation.

DEBRIS BODY:

Construction: Shall be a dual radius designed vessel using high strength ASTM A572 grade 50 steel, 1/4" upper and lower radius section, 1/4" sidewalls, front bulkhead and 3/8" rear bulkhead.

Yield Strength to be min. 50,000 PSI

Debris tank mounted via 3 point mounting system to allow flexing.

Capacity: 10 cubic yards.

Dumping and door controls shall be located forward of the debris body on driver's side for safety, so operator does not have to cross in front or behind of vehicle at dump site.

Debris inlet tube shall enter at top front of tank and continue into tank and extend 3/4 of the specified tank length. Airflow shall then exit at the front of tank for best possible material separation.

Debris shall hit bolted on deflector plate at top tank rather than rear bulkhead to prevent premature wear.

Shall have a float type automatic vacuum shutdown system with a stainless steel ball housed in a carbon steel cage.

The hoist cylinder shall be a single post type with NTEA performance range; double-acting cylinder pins must be removable with retaining bolts. It shall provide a minimum lifting capacity of 56,000 lbs. and a minimum dump angle of 50 degrees. The hoist cylinder shall have safety check valves to prevent collapse from hydraulic failure.

The debris body and water tanks shall be affixed on an independent frame, separate from the chassis and power frame.

Safety body prop shall be supplied to secure body during repairs.

The debris body will be equipped with a full flow internal tank flusher system consisting of a minimum of (7) stainless steel nozzles mounted at the front bottom of the debris body, sized to utilize the water pump at 80 gpm @ 2000 psi to clean the debris body.

A high pressure ball valve will be installed at high pressure manifold to control water to the tank flush, and plumbed from manifold to tank flush.

The vessel shall be hot dip galvanized in accordance with ASTM A123 standards, including a three (3) step preparatory wash or 304 Stainless Steel with a lifetime limited warranty shall be included. A pro rated warranty will not be accepted. A lifetime warranty in lieu of stated materials will not be accepted.

Shall have a float type debris level indicator w/stainless steel ball with external grease fitting.

TAILGATE:

Tailgate shall hydraulically lock/unlock, raise and lower door using one hydraulic cylinder to perform the function. Cylinder shall be equipped with check valve for safety.

Rear door shall be constructed of 1/2" high strength steel ASTM A572 grade 50 steel.

Lock receivers shall also be shimmed for adjustment as seal wears.

Tailgate locking wedges shall have a reverse bevel to maintain a mechanical lock if hydraulic pressure should be lost for any reason.

A replaceable reversible neoprene seal shall be supplied.

Tailgate hinges and pins: Shall be bolted to enable shim adjustment with

grease fittings.

Tailgate shall hydraulically open to full width and height.

External rear door safety prop shall be provided as a secondary device to hold the door open for cleaning of debris body or inspection.

Decant 6" knife valve shall be mounted at lowest point of rear door

20' x 6" lay flat hose with rack.

6" cam lock shall be on decant lay flat hose and valve.

Internal decant screen shall be carbon steel, hinged to swing away for easy cleaning.

Debris tank shall also be equipped with 4" hydraulic pump off system capable of pumping 650 GPM @ 10' head while vacuuming if needed or independently. 4" ball valve and male cam lock on outlet.

4' knife valve shall be installed on inlet of pump.

Internal pump screen shall be carbon steel, hinged to swing away for easy cleaning.

A bolt-on carbon steel splash shield around sides and bottom of tailgate shall be supplied

WATER TANKS:

Capacity: 1500 U. S. Gallons.

Constructed of ¼" shell and baffles, ½" end plates aluminum or stainless steel only, Warranty: A lifetime limited warranty will be supplied.

Each tank shall be equipped with 2" ball valve low point drains, internal baffles and a six (6) inch crossover tube between tanks for quick and level filling.

Water- tanks shall not rise with the debris body while dumping.

Water-tanks shall not share common wall with debris tank and will be easily removed in the event of replacement or repair.

Tanks shall be located above chassis frame rails to provide a flooded inlet to

the water pump and protection from road damage and off-road uses and for ease of service to drive line components.

Anti-siphon device, and fill hose storage rack shall be supplied

Water tank electronic level indicator in front control panel shall be supplied.

Water tank shall have a lifetime limited warranty against corrosion, cracking, material and workmanship

HIGH PRESSURE WATER SYSTEM

Water pump shall produce 85 GPM @ 2000 PSI. Shall be Meyers DP85/20

Water Pump shall be a triplex, plunger style, smooth, flow design. Pumps that require accumulators will not be accepted.

Starting from high pressure side of water pump 1" I.D. plumbing shall be used up to hose reel, including water manifold, control valve and swivels.

Swivel shall be designed so it can be tightened as it wears and be rebuilt.

The water pump shall be driven from chassis engine via transmission, heavy duty transfer case and hydrostatic drive.

Water pump speed shall be fully adjustable without changing the engine RPM and shall provide a variable flow system with the change of the nozzle. Controls for starting and stopping the water pump and varying the flow and pressure shall be at the control panel. The water pump hydrostatic system shall have a capacity of 6,000 PSI and 85 GPM. An integral oil to water heat exchanger with a 143,000 BTU per hour rating shall be included.

Water pump shall run independently from vacuum pump.

Water pump shall be equipped with full flow adjustable pressure regulator.

Water pump and vacuum system shall be able to simultaneously operate in continuous duty at maximum water pressure and flow while achieving maximum vacuum.

Pump shall be located in a position so it has a positive feed from water tanks. Pump shall also be located so mechanic does not have to remove pump from truck to repack when necessary and there shall be no obstructions in front of pump for easy access.

One adjustable handgun with quick disconnect fitting connection located at high pressure manifold and a 25' foot hose with quick disconnects shall be supplied.

Pump shall be equipped with drain valves on compression chamber and at the low-pressure side at the bottom center of the pump.

Water system shall have a cold weather recirculation system driven by a 12 volt electric pump and isolated from main water system by manual ball valves. System must be capable of circulating 20 GPM of pressurized water through entire water system and hose reel without the use of chassis engine.

A self-winding handgun reel with 50' of 1/2" hose shall be supplied.

VACUUM SYSTEM

The blower shall be a Dresser/Roots 8x24 PUMP, 4100 CFM@16"HG(217"H20) 185HP@2470 W/(2) VAC Reliefs. (AJV 8,10,12 cubic yard)

Dual vacuum relief valves shall be supplied.

The blower shall be driven from chassis engine via transmission and heavy duty transfer case. Direct drive via drive shaft.

The cyclone separator shall be built out high strength ASTM A572 grade 50 steel, capable of separating material from air stream, Separator shall remove down to 50 micron particles or coarser. The cyclone shall be 24" wide x 75" high and taper down to a dropout box 18" x 18" x 18" including a clean out hatch.

The blower shall contain a high efficiency exhaust silencer with an aluminum rain cap. It will have a built-in tube rack that will hold four (4) 8" diameter suction tubes for a total of 24' of tubes.

VACUUM OPTIONS:

The vacuum system shall have an air operated 6" vacuum relief valve which vents ambient air to blower intake to relieve vacuum in the body and suction tubes/hoses.

Dropout box shall have a two (2) inch drain with ball valve.

A stainless steel removable strainer basket shall be installed before blower inlet.

Non-skid steps with handgrips allowing safe passage from ground level to a work platform at top of unit shall be supplied.

Cyclone Separator hot dip galvanized or constructed of 304 stainless steel shall be supplied.

Silencer shall have a two (2) inch drain with ball valve.

BOOM

Boom shall be designed for front-end operation with hose mounted and stored at front bumper.

Hydraulically powered up/down, left/right, and in/out shall be accomplished with a single joy stick.

Boom shall have a total extended length of 24 feet 11 inches from centerline of the unit. Boom coverage area 552 sq. ft., submit diagram.

1, 000 lb. boom lifting capacity with dual hydraulic lift cylinders. Max. lift capacity shall apply even when boom is fully extended.

Boom shall swing 90 degrees to each side of the truck via a hydraulic driven worm gear. Hydraulic cylinders to rotate boom are unacceptable.

Pick-up Hose: 8" ID, front end operation and stored at front of the unit shall be supplied.

Boom shall remain stationary and not raise with debris body.

All connections between debris body and vacuum system shall be self-aligning.

Boom with steel elbow shall extend and retract without affecting the length of the pickup hose. Rubber hose in place of steel elbow will not be accepted.

Will be equipped with a true tube in a tube boom telescoping section with a travel of eight (8) feet six (6) inches shall be supplied.

Air operated 8" slide valve located on boom inlet to block off vacuum and build up vacuum in tank for sudden burst of vacuum, controls located at operator control station shall be supplied.

Boom, Body and Hose reel shall have an emergency 12 volt dc electric hydraulic power pack to bypass system so boom, body and hose reel can be moved in the event of engine or hydraulic failure. Manual hand pump systems will not be accepted.

Extra heavy duty boom elbow, shall have a preformed C channel welded to the outside radius of the outside of elbow shall be supplied.

ELECTRICAL SYSTEM

IP66 sealed exterior electrical controls and wiring harness w/ protective cover shall be supplied that exceeds NEMA 4 standards.

REEL AND OPERATOR STATION

The front mounted reel shall have the ability to articulate 230 degrees across the front of the unit, with a capacity of 800 feet of 1" hose.

The operator will easily be able to rotate and lock the reel at any angle desired within the rotation.

The hose reel shall be hydraulically powered in both directions by a hydraulic motor coupled directly to a planetary gearbox.

Hose reel speed control shall be a proportional joy stick controller to regulate the rotational speed of the reel in both directions.

Hose reel shall rotate on a turntable slewing bearing with a friction brake that can be applied in any rotated position.

Hose reel brake band shall be adjustable with turn buckle and be applied by an air cylinder.

Hose reel shall be mounted in the center of the chassis frame rails and not rotate out of centerline of frame rails into traffic for safety.

The hose reel shall tilt forward for access to the truck engine via hydraulic cylinder powered by an electric/power pack.

Electric power pack shall run independently from main system. Power pack shall operate whether truck engine is running or not.

Manual level wind on hose reel shall be supplied.

Color LCD display with 32 output microprocessor control (expandable) W/J1939 CAN communication

Transfer case shift controls in cab shall be supplied.

Throttle control at hose reel control panel shall be supplied.

Water pressure gauge on LCD display module shall be supplied.

Tachometer/ Hour meter on color LCD display module shall be supplied.

Vacuum Gauge on color LCD display module shall be supplied.

Hydraulic Pressure Gauge shall be supplied.

Truck Engine Throttle-electrically controlled at hose reel shall be supplied.

Water pump on/off switch shall be supplied.

Throttle protection emergency (returns to idle)

Reel tilt.

On/Off Water Flow Valve.

Single Reel control joystick for direction and speed control

Single Boom Control Joystick to control all boom functions.

Remote Pendant Push Button Control.

Water pump hour meter on color LCD display module

Blower hour meter on color LCD display module

Blower temp gauge

Hose Reel Articulation Brake valve

Digital Footage Counter

Cab Air Shifts for Power Systems

Electric back alarm shall be supplied

Vacuum Relief shall be supplied.

Dual roller level wind on hose reel shall be supplied.

Hose reel control panel shall have a remote shifter for Transfer case to engage and disengage blower, from the hose reel control panel. Safety switches installed on transfer case.

HYDRAULIC SYSTEM

Shall produce 18 GPM at 2000 PSI, 1800 RPM

Pump shall be transfer case -mounted piston pump with test ports for troubleshooting

The hydraulic reservoir shall be a modular component with a minimum of 40 gallons with a level sight eye and temperature gauge. Ten (150) microns filters shall be installed at both the suction and return lines and shutoff valves installed on suction lines.

All lubrication points shall be equipped with greaseable zerks.

REMOTE GREASE FITTINGS OPTION

Hose reel grease manifold with all lube points plumbed to it shall be supplied.

Boom grease manifold with all lube points plumbed so it can be greased from ground level shall be supplied.

Tailgate grease manifold with all lube points plumbed so it can be greased from ground shall be supplied.

Ground level lube provision for float level indicator shall be supplied.

ACCESSORIES

One (2) toolbox(s) with a minimum of 18"x18"x36" shall be supplied in a Location near front of truck, not requiring personnel to climb, crawl to use it. Toolbox shall be made of Aluminum.

24 feet of 8' aluminum tubing. With crown nozzle shall be supplied.

15 and 30-degree sewer nozzles shall be supplied.

Manhole bottom hose guide Tigertail shall be supplied

One (1) set of Operation & Maintenance manuals shall be supplied.

LED DOT lights on module shall be supplied

A 25' x 2-1/2" fill hose shall be supplied.

Hand held LED spotlight with 20' of cord and plug at front bumper shall be supplied.

Traffic Cone Holder shall be supplied.

(2) Strobe beacon forward corners of water tanks, choices Whelen L31HFA shall be supplied.

(2) Strobe beacon rear of debris tank, Whelen L31HFA, shall be supplied.

(2) Work lights midship, Whelen 9SC0ENZR

(2) Work lights rear also to work with reverse lights, Whelen 9SC0ENZR

(2) LED ground illuminating Work lights under front bumper _____

(2) LED ground illuminating Work lights Chassis Passenger & Drivers Side _____

Work lights to have separate switches in the cab _____

(2) LED Boom work lights, switched in front control box _____

(6) Whelen ion dual Color White/Amber LED Strobe lights, 2 each side on front bumper, 2 each side midship, 2 each side rear under tail lights with 5 different flash patterns shall be installed. _____

(1) Whelen TANF85 LED Traffic Advisor Rear Facing at top of Debris Door With independent controller _____

MOUNTING

The unit shall be mounted on a factory approved chassis. _____

TRAINING & Pre-Delivery Inspection

Will include a factory authorized training person for (2) days. The purpose shall be to train operating and maintenance personnel on the proper O & M procedures. _____

1 Factory trip for (2) personnel pre-paint inspection to be arranged and paid for by supplier. (Including Travel & accommodations if necessary) _____

PAINT

The unit shall be powder coated singular color to match the city's color specification. _____

WARRANTY

The unit shall have a minimum of one-year warranty against defects in material and workmanship. The warranty will cover both parts and labor. All other warranties that exceed one year shall apply.

Aluminum Water Tanks shall have a limited lifetime warranty.

Stainless Steel or Galvanized Debris Body shall have a limited lifetime warranty. _____

INSTRUCTIONS TO BIDDERS

Sealed bids will be received at the Office of the Purchasing Agent, 155 Deer Hill Avenue, Danbury, CT 06810 until the time and date specified on the cover sheet. Bids received later than the time specified will not be accepted. In the event of the closure of City Hall, bids will be opened on the following day that City Hall is opened. Amendments to or withdrawal of any section of the submitted bid received later than the time & date set for the bid opening will not be considered. Bid proposals must remain in effect for a minimum of 30 days unless otherwise noted elsewhere in the bid specifications.

BID DOCUMENTS: are available upon receipt of this invitation (if not attached) over the internet at the City's website: www.danbury-ct.gov. Adobe Acrobat reader is required to view this document. If you do not have this software you may download at no cost from Adobe at <http://www.adobe.com>. Businesses without internet access may obtain a copy of the bid by contacting the Purchasing Agent's Office, City Hall, 155 Deer Hill Avenue, Danbury, CT 06810, (203) 797-4571.

BID BONDS: if applicable, shall be in the amount of 5% of the total bid made out in favor of the City of Danbury and issued by a Surety company acceptable to the City of Danbury, and must accompany each bid. A certified check in the same amount may be submitted in lieu of the bid bond. Bids submitted without Certified Check or Bid Bond will not be accepted. The City of Danbury will not be held liable for the accrual of interest on any check held by the City in conjunction with this bid. All checks or bid bonds will be refunded to the unsuccessful bidders after award of the bid. The deposit check or Bid Bond of the successful bidder will be held in escrow until such time as the City determines that the bidder has or will meet their obligations as stated by the bid. If the bidder fails or refuses within a reasonable time after due notice that the contract has been awarded, to execute the same, an amount representing a loss to the City by reason of such failure shall be retained and paid into the City treasury.

REPLIES: whether bid or no bid, must have the bid number clearly identified on the outside of the envelope. Bidders not marking the envelopes with the Bid number and date/time of opening on the envelope will have no recourse against the City of Danbury or its employees. Such bidders run the risk of the bid being opened prior to the scheduled Bid Opening time. Once opened such bids are public record. Any alleged oral agreement made by a bidder or contractor with any agency or employee of the City of Danbury will be disregarded.

FREIGHT: Prices quoted shall be net delivery **F.O.B. Danbury, CT**. All bid prices must include prepaid delivery, assembly, and/or installation (ready for operation and/or use) of all equipment and/or materials to the individual locations(s) as designated by the Purchasing Agent. All bid prices are to be submitted on the sheets provided for this bid. Quantities and pricing are to be listed in accordance with these sheets.

QUESTIONS: Request for interpretation of any portion of the bid may be made by telephone to the Purchasing Agent at 203-797-4571. All replies will be given verbally and a copy of any such inquiry and advice (if deemed vital to the bid by the Purchasing Agent) will be made available to each prospective bidder in the form of an addendum. Bidder should check the City's website for addendums/updates 48 hours prior to the bid opening.

IDENTICAL BIDS: In the event of receipt of identical bids as to offerings, delivery, service, content, price, etc., the bid will be awarded in accordance with the information contained in the bid document, based on first received as to date and time of receipt of the bid.

NON-COLLUSION STATEMENTS: In order for bids to be considered, a non-collusive statement must be submitted with the bid. A sample non-collusive bid statement is attached. Bidders may elect to submit their own notarized non-collusion statement.

CONDITIONAL, QUALIFIED OR NON-RESPONSIVE BIDS/PROPOSALS: All bids/proposals shall be submitted in the form and manner as indicated by the bid documents and bid forms. Any proposal which is not submitted in the form and manner indicated by the bid documents or which contains information, statements, conditions, or qualifications which place conditions or qualifications on the proposal submittal for purposes of making an award, or which alter any proposal terms, conditions, specifications, or forms, which has not been previously approved by written addendum from the Purchasing Agent, or which does not meet legal requirements, shall be declared as a qualified, conditional, or non-responsive proposal and shall be rejected without further consideration. Any proposal response that does not fully respond to and comply with all detailed specifications or requests for information, including execution of proposal forms, may be declared "non-responsive" and recommended for rejection. The City of Danbury shall not be responsible for any errors or omissions by the Offeror.

UNBALANCED BIDS AND/OR EXCESSIVE LINE ITEM PRICES: The City reserves the right to reject any bids in which unit prices, in the sole opinion of the City, are unbalanced. In addition, where the City has decided to make an award, it further reserves the right to non-utilize a particular line item that in the sole opinion of the City is excessively priced, and reserves the right to obtain that item from another source

CONTRACT: A response to an Invitation to Bid (ITB) is an offer to contract with the City of Danbury based upon the terms, conditions and specifications contained in the City's ITB. Bids do not become contract unless and until executed by the City.

TAXES: Omit all State and Federal taxes from the bid. The City of Danbury is exempt from the payment of taxes imposed by Federal government and/or the State of Connecticut.

OWNERSHIP OF DOCUMENTS: All documents, including drawings, plans, specifications, videotapes, or other documents or maps prepared by a contractor pursuant to any agreement arising from this bid shall become the property of the City of Danbury upon completion of the project or any termination of the project prior to the completion of the project.

LEGALITY: All bid offers for commodities, work, materials, or equipment hereunder shall comply in every respect with the laws, specifications and requirements of the State of Connecticut and the Federal government. Contractor will comply with the provisions of the Connecticut Fair Employment Practices Law.

LANGUAGE DISPUTES: Any disputes over the interpretation and/or meaning of any individual terms, conditions, and/or language within this Request for Bid/Proposal document shall be resolved by and at the sole discretion of the City Purchasing Agent in a manner that is in the best interest of, and best advantage to, the City of Danbury, provided any such interpretation shall be reasonable.

RESPONSIBILITY: The Contractor shall save the City of Danbury, its agents or employees, harmless from liability of any kind for all claims of labor payments and materials furnished for this work, and for use of any copyrighted or uncopyrighted composition, secret process patented or unpatented invention, article or application furnished or used in the performance of the contract of which the Contractor is not the patentee, assignee, or licensee. The successful bidder agrees to indemnify and hold harmless the City of Danbury, its agents and employees from any and all liability arising out of the successful bidders' operations, functions and/or supplied items.

The successful bidder, vendor, and/or contractor must protect all property of the City of Danbury (i.e. all floors, furniture, grass, land, etc.) from injury or other damage. Any damage so caused must be repaired by contractor/vendor at his/her own expense. At the completion of work, the vendor and/or contractor must remove from the premises all surplus materials and all debris created by same. The premises must be left in a broom-clean and finished condition acceptable to the owner or its agents. Successful bidder will furnish adequate protection from damage for all work and to repair damage of any kind, for which he or his workers are responsible, to the premises or equipment to his own work or to the work of other contractors.

DEFAULT: It shall be understood that a bidder supplying equipment and/or supplies will be considered to be in default if/when they have not delivered the item(s) within the time constraints listed in this document or subsequent purchase orders and/or contract. Bidders providing a service and/or construction will be considered to be in default if/when they have failed to meet the completion date set forth in this document or its subsequent contract and/ or purchase orders and/ or they have ceased work on the project for a period of fifteen (15) working days, cumulative or consecutive.

TRADE NAME REFERENCES: Any and all references to trade names, types, styles, model numbers, stock numbers or catalogs are intended to be descriptive only and not restrictive. The intention is to indicate to bidders the type and quality of the articles and or materials that will be satisfactory. When reviewing the information, it is the responsibility of the prospective bidder to inform the City of Danbury of any discrepancy that is found (i.e. number listed does not fit item description). Bids received on other makes or models with reference to other catalogs will be considered. The bidder is to clearly state in his/her bid exactly what he/she intends to furnish and to furnish with his/her bid a cut or illustration or other descriptive matter that will clearly indicate and give specification as to the product he/she proposes to furnish. Where a bid is offered on an item other than the trade standard used in the specification the item should be identified on the bid form by entering the MAKE, TRADE NAME AND MODEL NUMBER. It is understood that any substitute and/or alternate that might be offered are guaranteed by the bidder to be of equal or better quality than is referenced in the bid. The item(s) must be equivalent as to function, basic design, type and quality of material, method of construction and any required dimensions. It shall be further understood that during original as well as subsequent shipments spot checks will be performed to insure that the items received are in fact the items offered in the bid. When received, should items/materials prove to be different from what was bid in any way, the bidder agrees to the return of the items and agrees to supply correct items (per bid specifications) at the bidders expense. In the event this return action is required, it is understood the bidder may be subject to removal from the City's approved bidder's list. Bidders are cautioned that surplus, seconds, factory rejects, floor samples, close outs or distressed items are not acceptable and shipments of substitutions, defective or shop-worn equipment will be returned for a full refund at the vendor's expense.

QUANTITY: The quantities and/or materials listed in the specifications/bid sheets may be increased or decreased by the City of Danbury or its designated representative based on actual need at the time the purchase orders are placed.

QUALITY: The City of Danbury reserves the right to reject any proposal in whole or in part offering equipment and/or materials and/or services that in its or its agent's opinion does not meet the quality standards desired. Such decision is final and not subject to further recourse by the bidder.

SAMPLES: forwarded by the bidder will be returned to the bidder at his request and expense. Requests for return of samples must be submitted in writing at the time the sample is given to the City of Danbury or its representative. Samples not returned to the bidder will be disposed of at the discretion of the City of Danbury or its designated representative. Large pieces of equipment submitted for evaluation and inspection are to be picked up by the bidder within 30 days of the bid opening date. The City of Danbury or its designated agent will dispose of items not picked up within 30 days.

AWARD: It is the intent to award this bid in its entirety to one bidder, however, the City reserves the right to award the bid line item by line item if it is deemed in its best interest to do so. In addition, bidders are advised that should budgetary constraints dictate, part, and/or all the items in this bid may be rejected. This decision shall be considered final and not subject to recourse by the bidder.

In determining the lowest or highest responsible bidder, the City reserves the right to consider, in addition to price, the compatibility, quality, cost of maintenance and availability of parts, experience and/or past performance of the bidder, sufficiency of the financial resources of the bidder as relates to the offerings as well as the ability of the bidder to provide future maintenance and service.

Documents previously submitted to the City of Danbury will not be considered as satisfying submission requirements for this bid.

No bidder can claim any contract rights by virtue of bidding alone. Awarding of the contract means actual written notice by letter and a properly executed purchase order to the bidder or bidders to whom the bid has been awarded.

OPTION TO RENEW: This bid, once awarded, may be extended by mutual consent for up to two (2) additional one-year periods.

BONDS (if applicable):

Performance Bond: The Contractor, when awarded the Bid, must submit within 10 days of the bid award, and before beginning the work or signing a contract, a Performance Bond amounting to one hundred percent (100%) of the total amount of the bid. Said performance bond must be in favor of the City of Danbury and executed by a surety company authorized to do business in the State of Connecticut. The City of Danbury reserves the right to retain the Bid Bond or Certified Check on bids below \$25,000.00 as a Performance Bond. On bids of \$25,000.00 or more the Performance Bond may be furnished in the following manner: Performance Bond, Surety Bond, Certified Check, Bank Check, Savings Account in both the City & Vendor's name or Letter of Credit.

Maintenance Bond: The contractor, upon signing a contract and before beginning the work, must submit to the Purchasing Agent a Maintenance Bond to guarantee that if defects in either labor or materials become evident within one year after completion and acceptance of work will be fixed at no cost to the City of Danbury. The maintenance bond may be included as a portion of the Performance Bond or as a separate bond. If it is issued as a separate bond said maintenance bond must be in favor of the City of Danbury and issued by a surety company licensed and authorized to do business in the State of Connecticut.

Labor and Material Bonds: Pursuant to Section 49-41(a) of the Connecticut General Statutes, as may be amended from time to time, a project for the construction, alteration or repair of any public building or public work, where the contract award amount is in excess of \$100,000.00, a labor (payment) and material bond in the full amount of the contract must be furnished to the City with a surety or sureties satisfactory to the City. Said bonds shall be filed with the Purchasing Agent on or before the award date. Any such bond shall have as principal the name of the person awarded the contract.

Consent for Release of Final Payment: AIA Document G707 & G706, or equivalent, must be signed and returned by the Surety Company before final payment will be released to the contractor.

INSURANCE:

Certificate of Insurance: All insurers must have an AM Best rating of A-V11 or better and admitted to do business in the State of Connecticut. All insurance policies must include a Waiver of Subrogation whereby the insured waives its right to subrogate against the City, its subsidiaries, employees, volunteers, directors and officers. Proof of proper insurance coverage, Workers Compensation Insurance, Liability and Property damage, and Vehicle Insurance shall be filed with the City of Danbury Purchasing Agent within 10 days after the award of the bid. The Certificate of Insurance must name the City of Danbury, 155 Deer Hill Avenue, Danbury, CT 06810, its subsidiaries, employees, volunteers, directors & officers as the "additional insured" and filed with the Purchasing Agent prior to commencement of work. Renewal Certificates of Insurance must be mailed to the Purchasing Agent 10 days prior to the expiration of the required coverage.

Workman's Compensation Insurance: The Contractor shall take out and maintain during the life of the contract adequate Workman's compensation Insurance for all the employees employed on said work. In case any class of employees or subcontractors is engaged in hazardous work under the contract at the site of the work is not protected under the Workman's Compensation statute, the contractor shall provide Workman's Compensation Insurance for the protection of employees not otherwise protected.

Liability Insurance: The Contractor shall take out and maintain for the life of the contract, adequate public liability insurance insuring against liability to persons not employed by him in an amount of not less than \$1,000,000.00 for injuries, wrongful death to any one person and subject to the limit for each person in an amount of not less than \$2,000,000.00 on account of one accident and property damage insurance in an amount of not less than \$1,000,000.00.

Vehicle Insurance: The Contractor shall take out and maintain for the life of the contract, adequate automotive/truck or other vehicle insurance with minimum coverage of \$1,000,000.00 each for both liability and under insured and uninsured motorist as well as any other coverage required by the State of Connecticut or requested by an official of the City of Danbury as relates to the contract.

Additional Security: The City of Danbury reserves the right to require successful bidders to enter into and such security arrangements as are deemed necessary to protect the City of Danbury, its property and goods.

PERMITS: The successful bidder agrees to obtain all work/building permits as might be required. The cost of obtaining such permits is the responsibility of the bidder. The City of Danbury reserves the right to waive local permit fees. In addition, it shall be understood that where property lines are to be considered, bidders are to verify said lines and measurements with proper City Officials prior to commencement of work. It is to be understood that any/all specifications and/or plans or drawings contained in or developed as a result of the bid process are and shall be presented subject to the approval of the City of Danbury planning, zoning and building officials and that awards made prior to said approval are subject to cancellation.

PREVAILING WAGE: When the State of Connecticut Prevailing Wage Rate is applicable to the bid, the successful bidder must submit a Certified Payroll Record prior to any request and/or invoice for payment.

SAFETY:

Machine and/or Equipment Hazard Assessment and Safety Training: Upon delivery of machines and/or equipment, suppliers are required to provide to the end-user employees, at no additional charge, a training session, which will emphasize hazard awareness and assessment and the safe use of such machinery/equipment.

Occupational Safety and Health Act of 1970: Seller shall warrant that the machinery, equipment or other materials covered hereby shall upon delivery to the City of Danbury, be in compliance with the standards required by said Act and any updates as pertain to or reference said Act as well as the standards required by comparable State and local laws, if any, for such machinery, equipment or other materials in effect at the time of delivery.

Machines and/or Equipment Lockout/Tag out: In an effort to comply with OSHA's final rule on the control of hazardous energy sources, vendors must warrant that any and all machines and/or equipment as is covered under this bid will be supplied and/or installed equipped with lockout/tag out devices as prescribed by OSHA.

Toxic Substance Control Act (PL94-469): Seller warrants that each and every chemical substance constituting or contained in the products sold or otherwise transferred to the City of Danbury under this bid and subsequent

purchase orders is not on the list of prohibited chemical substances compiled and published by the Administrator of the Environmental Protection Agency pursuant to Act PL94-469 and are otherwise in compliance with said Act.

Hazardous Materials: Any materials required by this bid and subsequent purchase orders that are hazardous under federal, state, or local statute, ordinance, regulation, or agency order will be packaged, labeled, marked and shipped by the seller to comply with all federal, state and local regulations then in effect including but limited to the provisions of the Hazardous Materials Transportation Act and Regulations promulgated there under and will further comply with any special requirements and any policies and procedures of the City of Danbury relating to the purchase of hazardous materials as might be noted on subsequent purchase orders or otherwise communicated to seller in writing.

Material Safety Data Sheets: Shall be provided by the Seller upon delivery to the City of Danbury of any goods having constituents listed in the following references - OSHA 1910, ACHIG Current Threshold Values, DOT HazMat Table 49, IARC Carcinogen List, National Toxicology Program Carcinogen List, and/or Radioactive Materials. These Material Safety Data Sheets must be consistent with and include information required by the OSHA Hazard Communication Standard published as 29 CFR 1910.1200, as the same may be amended or supplemented from time to time.

Asbestos: Bidders are advised that asbestos-containing material may be located in the boiler rooms, pipe tunnels, storage areas and various portions of City buildings. Before proceeding on any contractual work on City buildings or their interiors, it is mandatory that bidders familiarize themselves with the asbestos-containing material and that said material be considered as a health hazard and all precautionary measures according to the Ahera Rules & Regulations be observed. It is the bidder's responsibility to notify all employees and/or subcontractors of this notification.

SUBCONTRACTORS: The successful bidder shall not employ any subcontractor to fulfill any of the duties herein specified without express, prior written approval of the City of Danbury or its designated agent.

EEO: The successful bidder shall provide any/all additionally required, affirmative action statements, fair employment plans and non-discrimination programs and statement as might be required by the City of Danbury. In connection with the execution of this bid, subsequent purchase orders and/or contracts, the seller shall not discriminate against any employee or applicant for employment because of age, race, religion, color, sex or national origin. Bidders must comply with all rules & regulations of the Department of Labor with regard to Equal Employment Opportunities as pertains to municipalities.

TERMINATION OF CONTRACT: Any contract entered into by the City and the successful bidder shall provide that the City may terminate the contract upon thirty (30) days notice to the bidder.

The City of Danbury reserves the right to award or reject any or all bids, or any portion thereof, to waive technicalities, and to award the bid and/or contracts to one or more bidders submitting essentially identical proposals and, that in the City's judgment, will best serve the public interest.

The terms and conditions of these "Instructions to Bidders" are made a part this bid.

SAMPLE FORM

Bid # _____

NON-COLLUSION AFFIDAVIT

STATE OF _____ COUNTY OF _____

I, _____ being first duly sworn, deposes and says that:

1. I am _____ of _____, the bidder that has submitted the attached request for bid for _____;
2. I am fully informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such bid;
3. Such bid is genuine and is not a collusive or sham bid;
4. Neither the bidder nor any of its officers, partners, owners, agents, representatives, employees or parties of interest, including this affiant, has in any way colluded, conspired, connived or agreed directly or indirectly with any other bidder, firm or person to submit a collusive or sham bid in connection with the work for which the attached bid has been submitted nor has it in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix the price or prices in the attached bid or of any other bidder, or to fix any overhead, profit or cost element of the bid price or the price of any bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Danbury or any person interested in the proposed bid; and
5. The price or prices quoted in the attached bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Signed _____

Title _____

Subscribed and sworn to before this

_____ day of _____, 20_____.

My commission expires _____

SAMPLE FORM

Bid # _____

CONSENT OF SURETY COMPANY TO RELEASE FINAL PAYMENT

- City
- Architect
- Contractor
- Surety
- Other

PROJECT/BID NUMBER:

TO: City of Danbury
 Attn: Purchasing Agent
 155 Deer Hill Avenue
 Danbury, CT 06810

CONTRACTOR: _____

In accordance with the provisions of the contract between the City of Danbury and the contractor as indicated above, the (insert name & address of Surety Co.)

_____, SURETY COMPANY on bond of

(insert name & address of Contractor) _____

_____, CONTRACTOR, hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall not relieve the surety Company of any of its obligations to the City of Danbury as set forth in the Surety Company's bond.

Subscribed and sworn to before this
 _____ day of _____, 20____

 Notary Public

 Surety Company

 Authorized Representative's Signature

 Title

My commission expires _____

BID SUBMITTAL CHECKLIST

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH YOUR BID SUBMITTAL:

- BID COVER SHEET – WITH YOUR COMPANY INFORMATION COMPLETED
- PROPOSAL SHEET(S), IF SEPARATE FROM THE BID COVER SHEET
- EXCEPTIONS PAGE
- REFERENCES PAGE
- BID BOND (5% of total)
- NON-COLLUSION AFFADAVIT
- DESCRIPTIVE PRODUCT LITERATURE

PLEASE NOTE REPLIES: whether bid or no bid, must have the bid number clearly identified on the outside of the envelope. Bidders not marking the envelopes with the Bid number and date/time of opening on the envelope will have no recourse against the City of Danbury or its employees. Such bidders run the risk of the bid being opened prior to the scheduled Bid Opening time. Once opened such bids are public record. Any alleged oral agreement made by a bidder or contractor with any agency or employee of the City of Danbury will be disregarded.