INVITATION FOR BIDS

CITY OF CONROE

2019-2020 LIGHT AND HEAVY VEHICLES, POLICE PPV SUV'S AND HEAVY EQUIPMENT BID



CITY OF CONROE P.O. BOX 3066 CONROE, TEXAS 77305

RESPONSES DUE SEPTEMBER 12, 2019

CITY OF CONROE PURCHASING DEPARTMENT

NOTICE TO BIDDERS

The City of Conroe will receive sealed bids in duplicate for New Vehicles. The proposals shall be appropriately marked "2019-2020 City of Conroe Light and Heavy Vehicles Bid" and delivered to the City Secretary 300 West Davis, 3rd Floor, Conroe Texas 77301. The heavy Equipment includes Sewer Vacum Truck. Bids will be publicly opened and read on Thursday, September 12, 2019, at 2:00 p.m. in the 3rd Floor conference room at City Hall (300 West Davis).

Specifications and bidding documents may be secured from www.cityofconroe.org, departments, purchasing.

No proposal may in any way qualify, modify, substitute or change any part of the specifications contained herein.

The City of Conroe reserves the right to reject any and all offers, award parts of bids, award to multiple vendors and to waive informalities in submission of bids. The City of Conroe also reserves the right to award this proposal to the lowest most qualified responsible bidder meeting all the specifications or to the bidder who provides goods or services at the best value for the City.

CC: 8/23/19 & 9/30/19

CITY OF CONROE, TEXAS

CITY OF CONROE

1. <u>Preparation of Bids:</u>

Unless otherwise directed in the Notice to Bidders, submit bids <u>in duplicate</u> on the prescribed forms or copies thereof, in a sealed envelope marked "2019-2020 City of Conroe Light and Heavy Vehicles, PPV SUV's and Heavy Equipment Bid". Prepare bids in accordance with the requirements of the Notice to Bidders, and any instructions on the Bid Sheet.

2. Questions and Inquiries:

Information about this proposal should be directed to:

Dan Neumann 401 Sgt. Ed Holcomb Blvd. Conroe, TX. 77304 Office: 936-522-3829

3. Submission of Bids:

Two (2) copies of each proposal shall be *CLEARLY MARKED* "2019-2020 City of Conroe Light and Heavy Vehicles, Police PPV SUV's and Heavy Equipment Bid" and submitted by mail or in person to the address below by the time and date set fourth. Responses received later than the due date will not be accepted, and returned unopened.

Due Date: September 12, 2019 @ 2:00 PM

USPS: City of Conroe Physical: City of Conroe

Soco Gorjon, City Secretary Soco Gorjon, City Secretary

P.O. Box 3066 300 West Davis St. Conroe, TX. 77305 Conroe, TX. 77301

4. Bid Evaluation and Award:

The bid award will be made on the basis of *Texas Local Government Code Section* 252.043. This section allows the City of Conroe to develop and apply award evaluation criteria for procurement in order to obtain goods or services that provide the *best value* to the City. Under these guidelines, a vendor is not automatically awarded a bid simply because they submit the lowest bid response. In the event that the selected bidder fails to enter into agreement to provide the goods or services which are the subject of this invitation the City retains the right to award the bid to the next qualified bidder.

5. Reservations:

All Bids and associated materials received with your response will become the property of the City of Conroe and will be returned at the discretion of the City.

The Laws of the State of Texas, County of Montgomery, and the City of Conroe, with any Rules and Regulations issued, prevail with regard to any contract documents, possible terms and conditions, arbitration or litigation.

6. Owner:

The City reserves the right to award parts of bids, reject any or all bids and to waive technical irregularities in bidding. Contract award will be made on the basis of the lowest qualified responsible bidder or the bidder who provides the goods and services at the best value for the City, considering the evaluation selection criteria below. No bid may be withdrawn before 90 days after submittal.

Best Value Selection Criteria:

a)	Purchase price.	20 Pts.
b)	Meets all bid specifications.	20 Pts.
c)	Bidder's principle place of business (§271.905).	20 Pts.
d)	Compatibility with the Cities existing Equipment.	10 Pts.
e)	Cities past history / experience with Manufacturer.	15 Pts.
f)	Best delivery.	15 Pts.

7. Bidders:

Should a Bidder discover a discrepancy or an omission in the plans or specifications, he should at once notify the Purchasing Department so that an addendum can be issued. No oral explanation or interpretation other than written addendum issued by the City will be considered official or binding. All such addendums shall become part of the contract documents and all bidders shall be bound by such addenda, whether or not received by the bidders.

8. <u>Communications:</u>

The City of Conroe shall not be responsible for any verbal communication between any representative of the City and any potential firm. All modifications to this solicitation must be made in writing. A proposer's failure to examine relevant documents or specifications will not relieve proposer from any obligation with regard to their response to this invitation.

9. <u>Substitutions:</u>

Where services or equipment are specified by a trade or brand name, it is not the intention of the City to discriminate against an equal product of another manufacturer, but to set a definite standard of quality or performance, and to establish an equal basis for the evaluation of bids. In preparing his bid, each bidder is expected to include in his base bid the cost of the items so specified.

10. <u>Default:</u>

The City reserves the right to terminate the contract immediately for failure to meet delivery or completion schedules, or otherwise perform in accordance with the general conditions of this proposal.

11. References:

The City of Conroe may request bidders to supply, with this Invitation to Bid, a list of at least five (5) references where like services have been supplied by their firm. Include name of firm, contact person, address, telephone number and e-mail address.

12. Delivery of Bids:

It is the bidder's responsibility to deliver his proposal at the proper time to the proper place. The fact that a proposal was dispatched will not be considered. The bidder must have the proposal actually delivered before the time set and the start of opening of the bids. Any bids received after the time and date specified in the Notice to Bidders will be returned unopened.

13. <u>Corrections:</u>

Erasures or other corrections in the proposal must be noted over with the proposer's initials.

14. Materials and Services:

The Bidder warrants that goods, materials or services delivered to the City will meet the minimum specifications set forth therein. Bidder shall furnish all data pertinent to specifications and warranties, which apply to items in the bid.

15. Equal Employment Opportunity:

Attention is called to the requirements for ensuring that employees and applicants for employment are not discriminated against because of their age, race, color, creed, sex or national origin.

16. Price of Materials and Sales Tax:

Prices for all goods or services shall remain firm for the duration of this contract and shall be stated on the bid sheet. Prices shall be all inclusive. Any price not shown on the bid sheet will not be honored by invoice. No price changes, additions or subsequent qualifications will be honored during the course of this contract. All prices must be written in ink or typewritten. Transportation, freight or other charges are to be prepaid by the bidder and included in the bid price. If there are additional charges of any kind, other than those mentioned above, specified or unspecified, Bidder must indicate both items required and attendant cost or forfeit the right to payment. Invoices must be submitted by the vendor in duplicate to the City of Conroe Purchasing Dept., P.O. Box 3066, Conroe TX 77305.

This Contract is issued by an organization, which qualifies for exemption pursuant to the provisions of Article 20.04 (F) of the Texas Limited Sales, Excise and Use Tax Act.

17. <u>Indemnification:</u>

The Proposer shall, defend, indemnify, and hold harmless the City of Conroe, their officers, and agents from and against any and all claims, demands, causes of action, orders, decrees, or judgments for injury, death, damage to person or property, loss, damage, or liability of any kind (including without limitation liability under any federal, state, or local environmental law, Compensation and Liability Act; fees and costs

(including all costs or settlements and reasonable attorney's fees incurred in defending any claim, demand, or cause of action) occasioned by, growing out of, or arising from (a) the performance of any product or service to be supplied by the Proposer, or (b) by any act, error or omission on the part of the Proposer, its agents, employees, or subcontractors, and or (c) any failure to fully comply with all applicable laws and regulations by the Proposer, its agents, employees, or subcontractors.

18. Conditions of Conduct:

At all times any agent, officer, or employee of Proposer shall be present upon property owned by the City of Conroe, the terms and conditions of the Drug and Alcohol Policy currently adopted by the City of Conroe, shall be deemed applicable to such persons. Violations of terms and conditions while present on the premises owned by the City of Conroe shall be grounds for termination of any contract between the City and Proposer. A copy of this policy is available for public inspection in the office of the City Secretary and copies may be obtained at a nominal charge.

19. Ethical Standard:

No City official or employee shall have interest in any contract resulting from this bid. Individuals with a possible conflict will enact a public disclosure record by completing a "Statement of Financial Interest" form.

Refer to "Project Number and Title" on the 1295 form. Example forms are included with this Bid.

- 1295 certificate of Interested Parties
- Conflict of Interest Questionnaire
- HB 89 Verification Form
- SB 252 Verification Form

The four forms stated above MUST be returned as part of your Bid response. Failure to include these forms may result in your Bid being considered unresponsive and therefor disqualified. Sample copies of these forms are included in the Bid. The web address to the Texas Ethics Commission website with instructions is listed below:

(Sample Forms are attached)

(https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm)

20. <u>Alternate Bid Items:</u>

No alternate bids or bid items will be considered unless they are specifically requested by the bid.

21. Unit Prices:

The unit price of each of the bid items in the bid proposal shall include it pro-rata share of overhead so that the sum of the products obtained by multiplying the quantity shown for each item by the unit price bid represents the total bid. Any bid not conforming to the condition may be rejected. The unit prices will be used to determine the amount of any change orders resulting from an increase or decrease in quantities.

22. Payment:

Payment will be scheduled within thirty (30) days upon complete delivery and acceptance of all equipment/material and receipt of an original invoice for the equipment/material complying with the terms and conditions of the award. The City reserves the right to withhold up to ten percent (10%) of the purchase price in the event there is a conditional acceptance.

23. **Proposal Agreements and Certification:**

The Undersigned Agrees That:

- A. No Federal, State, County or Municipal taxes have been included in the quoted prices and none will be added.
- B. Prices in this proposal have not knowingly been disclosed with any other provider and will not be prior to award.
- C. Prices in this proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- D. No attempt has been made nor will be to induce any other person or firm to submit a proposal for the purpose of restricting competition.
- E. The individual signing this proposal certifies that he/she is a legal agent of the proposer, authorized to represent the proposer and is legally responsible for the offer with regard to supporting documentation and prices provided.

By my signature below I agree to comply with all the provisions, terms and conditions pertaining to this Bid.

(Company Name)	(Name of Authorized Agent – Printed)
(Street Address / P.O. Box)	(Authorized Agent Signature)
(City / State / Zip Code)	(Date)
(Phone)	(E-Mail Address)

CITY OF CONROE PURCHASING DEPARTMENT

2019-2020 VEHICLE BID PRICING SHEET

ITEM NO.	QTY.	<u>DESCRIPTION</u>	UNIT PRICE	TOTAL	BEST DELIVERY DATE
1	4 Or more	2019-2020 Long Wheel Base 2 Wheel Drive Dual Rear Wheel with Utility Bed F550 or equal Spec 1- 2882/1560 Model: Page 7-9	\$	\$	
2	1 Or more	2019-2020 Long Wheel Base 4x4 SD Truck Dual Rear Wheel F-550 or Equal with Utility Bed Spec 2-1-1540-1 Model: Page 10-12	\$	\$	
3	1 Or more	2019-2020 Long Wheel Base Regular Cab 4x4 C-3500 / F-350 or Equal With Utility Bed Spec 3 – 1-1450 Model: Page 13-14	\$	\$	
4	1 Or more	2019-2020 Long Wheel Base Regular Cab C-1500 or Equal With Light Duty Utility Bed Spec 4- 1- Utility Billing Model: Page 15	\$	\$	
5	1 Or more	2019-2020 Short Wheel Base Crew Cab C-1500/F-150 or Equal Spec 5-Inspections Model: Page 16	\$	\$	

ITEM NO.	QTY.	<u>DESCRIPTION</u>	UNIT PRICE	TOTAL	BEST DELIVERY DATE
6	1 Or more	2019-2020 Full Size SUV 4x4 Chevrolet Suburban or Equal Spec 6-1-1300-1 Model: Page 17	\$	\$	
7	1 Or more	2019-2020 Chevrolet Silverado SSV Police Package Crew Cab Or Equal Spec 7-1-1300-2 Model: Page 18	\$	\$	
8	1 Or more	2019-2020 Typical PPV Tahoe Police Package or Equal Spec 8 – 1-1300-3 Model: Page 19	\$	\$	
9	1 Or More	2019-2020 14 Yard Dump Truck GR64 FR Mack or Equal Spec 9- Tractor Specification 0603-1540 Model: Year Model: Page 20-23			

ITEM NO.	QTY.	<u>DESCRIPTION</u>	UNIT PRICE	TOTAL	BEST DELIVERY DATE
10	3 Or more	2019-2020 Truck Mounted Combination High Pressure Jet/Vacum Machine Spec- Jet/Vacum Model: Page 24-40	**	\$	
			Total Bid	\$	

CITY OF CONROE PUBLIC WORKS MINIMUM SPECIFICATIONS

LONG WHEEL BASE 4X2 SD TRUCK DUAL REAR WHEEL WITH UTILITY BED

CREW TRUCK 4x2 SPECIFICATIONS- 2882 - 1560

Typical Model: F-550 with Trailer Towing Package and 7-Wire Harness

(or other Manufacturers Equivalent)

Cab: Regular

Engine: 6.7 Liter V-8 Power stroke 330 HP (Diesel)

Transmission: 6 Speed Heavy Duty Automatic with Transmission Oil Cooler

GVWR: 18,000 lbs.

Gauges: Fuel, Water Temperature, Oil Pressure, Volt Meter, Hour Meter

Fuel Tank: 40 Gal.

Wheels/Tires: 19.5" Steel, 225/70R19.5 A/S Tires

Axle: 4.30 Ratio Limited Slip

Dual Rear Wheels

Power Steering

Power Brakes with 4-Wheel Anti-Lock Brake System

Chrome Front Bumper

Rear CLASS V COMMERCIAL DUTY HITCH

2,700 WD TW/20,000 WDGTW

Full View Mirrors (Must provide view around utility bed 94" wide)

Color: Exterior – White

Interior – Blue or Gray Vinyl

Seating: Vinyl Bench Seat for Three People

Flooring: Heavy Duty Vinyl

Tinted Glass

Full Size Spare Tire

Valid State Inspection Certificate

Spot Light Mounted on Driver Door

Factory Air Conditioning

AM/FM Stereo with Clock

Backup Camera

Whelen Liberty II LC 54" led light bar A/B/A/B front and back with side alley lights PCC10W Switch Control Center with extra 5' of excess power cord to light Parts and Service Manuals (Disc preferred)

Factory Warranty: Years	Miles	Bumper to E	Bumper.
Unit Cost as Specified Above:			•
Options:			
Extended Warranty: Years	Miles	Cost	

SPECIFICATIONS ON LONG WHEEL BASE UTILITY BED

Typical Model: Knapheide or Comparable Dual Rear Wheel

Steel Body Shell 14 Gauge Galvanneal

Body Undercoated

Body Length: 133 Inches Long

Front Vertical Compartment: 34 Inches Long

Second Front Vertical Compartment: 21 Inches Long

Horizontal Compartment Length: 52 Inches Long

Rear Vertical Compartment Length: 25 Inches Long

Horizontal Compartment Height: 20 Inches Tall

Body Height: 40 Inches

Floor to Compartment Top: 29 Inches

Compartment Depth: 20 Inches

Overall Body Width: 94 Inches

Floor Width: 54 Inches

Adjustable Divider Trays

Stainless Steel Paddle Latches (Key Locking) all keyed alike
Automotive Type Neoprene Door Seals "Bulb Type"
Machine Chain/Spring Stops on all Doors
Recessed Directional Lights (LED)
D.O.T. Clearance Lights (LED)
4" Round tail/brake lights (LED)
Rear Bumper 8" Tread Plate with Ball Hitch Recess
Mud Flaps
<u>Utility Bed Cost:</u>
Total Unit Cost:
DEDLACING UNIT #, 0540
REPLACING UNIT #: <u>0540</u>
DEPT # UNIT WILL BE IN: 2882
DELT WILL BE II. 2002
DATE SPEC. UPDATED: <u>07/31/2019</u>
SPEC. APPROVED BY (DEPT): _2882 DANIEL ROBERTS
SPEC. APPROVED BY (FLEET): <u>7-31-19 E. METZGER VIA EMAIL</u>
SPEC. APPROVED BY (DIRECTOR): 8 <u>-6-19 NORMAN MCGUIRE</u>

CITY OF CONROE PUBLIC WORKS MINIMUM SPECIFICATIONS

LONG WHEEL BASE 4X4 SD TRUCK DUAL REAR WHEEL WITH UTILITY BED

CREW TRUCK 4x4 SPECIFICATIONS 1-1540 - 1

Typical Model: F-550 with Trailer Towing Package and 7-Wire Harness

(or other Manufacturers Equivalent)

Cab: Regular

Engine: 6.7 Liter V-8 Power stroke 330 HP (Diesel)

Transmission: 6 Speed Heavy Duty Automatic with Transmission Oil Cooler

GVWR: 18,000 lbs.

Transfer Case: 2 Speed Manual

Gauges: Fuel, Water Temperature, Oil Pressure, Volt Meter, Hour Meter

Fuel Tank: 40 Gal.

Wheels/Tires: 19.5" Steel, 225/70R19.5 A/S Tires

Axle: 4.30 Ratio Limited Slip

Dual Rear Wheels

Power Steering

Power Brakes with 4-Wheel Anti-Lock Brake System

Chrome Front Bumper

Rear CLASS V COMMERCIAL DUTY HITCH

2,700 WD TW/20,000 WDGTW

Full View Mirrors (Must provide view around utility bed 94" wide)

Color: Exterior – White

Interior – Blue or Gray Vinyl

Seating: Vinyl Bench Seat for Three People

Flooring: Heavy Duty Vinyl

Tinted Glass

Spot Light Mounted on Driver Door

Full Size Spare Tire

Valid State Inspection Certificate

Factory Air Conditioning

AM/FM Stereo with Clock						
Backup Camera						
Whelen Liberty II LC 54" led light bar A/B/A/B from	ont and back with alley lights					
PCC10W Switch Control Center with extra 5' of ex	cess power cord to light					
Parts and Service Manuals (Disc Preferred)						
Factory Warranty: YearsMiles	Bumper to Bumper.					
Unit Cost as Specified Above:	·					
Options:						
Extended Warranty: YearsMiles	Cost					
SPECIFICATIONS ON LONG WHEEL BASE	<u>UTILITY BED</u>					
Typical Model: Knapheide or Comparable	Dual Rear Wheel					
Steel Body Shell	14 Gauge Galvanneal					
Body	Undercoated					
Body Length:	133 Inches Long					
Front Vertical Compartment:	34 Inches Long					
Second Front Vertical Compartment:	21 Inches Long					
Horizontal Compartment Length:	52 Inches Long					
Rear Vertical Compartment Length:	25 Inches Long					
Horizontal Compartment Height:	20 Inches Tall					
Body Height:	40 Inches					
Floor to Compartment Top: 29 Inches						
Compartment Depth: 20 Inches						
Overall Body Width: 94 Inches						
Floor Width: 54 Inches						

Adjustable Divider Trays

Automotive Type Neoprene Door Seals "Bulb Type"	
Machine Chain/Spring Stops on all Doors	
Recessed Directional Lights (LED)	
D.O.T. Clearance Lights (LED)	
4" Round tail / brake lights (LED)	
Rear Bumper 8" Tread Plate with Ball Hitch Recess	
Mud Flaps	
Utility Bed Cost:	·
Total Unit Cost:	 •
REPLACING UNIT #:0827	
DEPT # UNIT WILL BE IN:	
DATE SPEC. UPDATED: 07/31/2019	
SPEC. APPROVED BY (DEPT): 1540 Arthur Buckner	
SPEC. APPROVED BY (FLEET): <u>7-31-19 E. METZGER VIA EMAIL</u>	
SPEC. APPROVED BY (DIRECTOR):	

Stainless Steel Paddle Latches (Key Locking) all keyed alike

CITY OF CONROE PARK OPERATIONS MINIMUM SPECIFICATIONS

ONE (1) LONG WHEEL BASE 1 TON TRUCK REGULAR CAB FULL SIZE –4-WHEEL DRIVE

TRUCK SPECIFICATIONS – 1 - 1450

Typical Model: C-3500 or F-350 with Trailer Towing Package and 7-Wire Harness

(or other Manufacturers Equivalent)

Engine: 6.7 Liter V-8 Power stroke 330 HP (Diesel)

Transmission: 6 Speed Heavy Duty Automatic with Transmission Oil Cooler

Transfer Case: 2 Speed Manual

Gauges: Fuel, Water Temperature, Oil Pressure, Volt Meter, Hour Meter

Fuel Tank: 30 Gal.

Wheels/Tires: 17" Steel, 235/70R17A/T Tires

Axle: 4.10 Ratio Limited Slip Front & Rear

Power Steering

Power Brakes with 4-Wheel Anti-Lock Brake System

Chrome Front Bumper

Full View Mirrors

Color: Exterior – White

Interior – Blue or Gray Vinyl

Seating: Vinyl Split Bench Seat 40 / 20 / 40

Flooring: Heavy Duty Vinyl

Tinted Glass

Spot Light Mounted on Driver Door

Factory Air Conditioning

AM/FM Stereo with Clock

Full Size Spare Tire

Valid State Inspection Certificate

Whelen Liberty II LC 54" led light bar A/B/A/B front and back with side alley lights

PCC10W Switch Control Center with extra 5' of excess power cord to light

SPECIFICATIONS ON LONG WHEEL BASE UTILITY BED

Typical Model: RKi	L5680 or 0	Comparable	Single Rear Wheel	
Body Length:			96 Inches Long	
Front Vertical Comp	partment:		32 Inches Long	
Horizontal Compart	ment Lengt	h:	52+/- Inches Long	
Rear Vertical Compa	artment Le	ngth:	20 Inches Long	
Horizontal Compart	ment Heigh	nt:	20+/- Inches Tall	
Body Height:			40 Inches	
Floor to Compartme	nt Top:		24 Inches	
Compartment Depth	:		14.5 Inches	
Overall Body Width	:		80 Inches	
Floor Width:			51 Inches	
Adjustable Divider	Гrays			
Stainless Steel Padd	le Latches ((Key Locking)	all keyed alike	
Automotive Type N	eoprene Do	or Seals "Bull	o Type"	
Machine Chain/Spri	ng Stops or	all Doors		
4 in. Round Direction	onal Lights	(LED)		
D.O.T. Clearance Li	ghts (LED))		
Rear Bumper 8" Tr	ead Plate			
CLAS	SS V COMM	IERCIAL DUT	Y HITCH	
2,700	WD TW / 2	0,000 WDGTW	V	
Gooseneck Hitch:		ırnover Ball or	1	
			0 MTW / 30,000 GTW	
	7-Wire H			
Parts and Service M	anuals (Dis	c preferred)		
Factory Warranty:	Years	Miles	(Bumper to Bumper)	
			Extended Warranty Cost \$	

CITY OF CONROE UTILITY BILLING DEPARTMENT MINIMUM SPECIFICATIONS

ONE (1) LONG WHEEL BASE 1/2 TON TRUCK FULL SIZE – REGULAR CAB – LIGHT DUTY SERVICE BED

TRUCK SPECIFICATION -1 – Utility Billing

Typical: C-1500 with Trailer Towing Package w/7-Wire Harness

(or other Manufacturers Equivalent)

GVWR: 7,000 lbs. Min.

Wheel Base: 143.5" Min. – Long Wheel Base 8' Bed

Model: Typical Fleetside / Styleside

Engine: 5.3 Liter V-8 (*Low Emissions*) or Equivalent E.F.I. Axle Ratio:

Transmission: 6 Speed Automatic with Overdrive

Gauges: Fuel, Water, Temperature, Oil, Volt Meter, Tachometer

Fuel Tank: 30 gal.

Service Bed: Service Body Upfit – Light Duty Box

Spare Tire: Spare Tire Assembley

Power Steering with Tilt Steering Wheel

Power Brakes

Power Windows & Door Locks

Cruise Control

Intermittent Type Windshield Wiper / Washer

Heavy Duty Battery & Alternator (Suppressant Package for Two-Way Radio Interference)

Class III Receiver Hitch (Trailer Towing Package i.e.: H.D. Engine Oil Cooler, Trans. Cooler, Radiator & Flashers)

Chrome Front & Rear Bumpers (Must Have Daytime Running Lights)

Mirrors: Electric Low Mount – Folding Both Sides

Color: Exterior – White

Interior - Graphite / Gray Vinal Bench Seat

Flooring: Rubber / Vinyl With Floor Mats Front

Seating: Standard Vinal Bench Seat

Tinted Glass: STANDARD

Factor Air Conditioning

AM - FM Stereo Radio

Aluminum Wheels W/ All Terrain Tires including a Full Size Spare Tire

CITY OF CONROE BUILDING INSPECTIONS & PERMITS

MINIMUM SPECIFICATIONS

SHORT WHEEL BASE 1/2 TON TRUCK FULL SIZE – CREW CAB

TRUCK SPECIFICATIONS – 1- Inspections

Typical: C-1500 or F-150 / Class III Hitch W/Trailer Towing Package

& 7-Wire Harness

(or other manufacturers equivalent)

Cab: Crew Cab (4-full size doors)
Bed: Typical Fleetside / Styleside

Engine: V-6 Flex Fuel (*Low Emissions*) or Equivalent E.F.I.

Transmission: 6 Speed Automatic with Overdrive

GVWR: 6,800 lbs. Minimum

Wheel Base: 143.5" – 6' Bed

Battery: Maintenance Free w/Saver

Gauges: Fuel, Water Temperature, Oil, Volt Meter, Hour Meter

Fuel Tank: 26 gal.

Wheels / Tires: 17" Steel, 235/70R17A/T

Axle Ratio: 3.73 Limited Slip

Power Package: Power Steering & Locks w/Keyless Entry, Tilt & Cruise, Windows

Power Brakes with 4-Wheel Anti-Lock Brake System

Bumpers: Chrome or Black Front and Rear

Mirrors: Full View Mirrors
Color: Exterior - White

Interior - Blue or Gray Cloth

Seating: Standard Cloth Split Bench 40 / 20 / 40

Flooring: Rubber Floor with Floor Mats

Additions:

Tinted Glass

Electronic Trailer Brakes

Factory Air Conditioning

AM - FM Stereo.

Full Size Spare Tire

Spray In Bed Liner

Spot Light Mounted to Driver Door

CITY OF CONROE PURCHASING DEPARTMENT MINIMUM SPECIFICATIONS FULL SIZE SUV

TRUCK SPECIFICATIONS - 1 -1300 Fire-1

Chevrolet Suburban 1500 / 4 Wheel Drive

(or other manufacturers equivalent)

Class III Hitch w/ Trailer Towing Package & 7-Wire Harnes

Engine: 5.3 Liter V-8 Flex Fuel (*Low Emissions*) or Equivalent E.F.I.

Transmission: 6 Speed Automatic with Overdrive and tow/haul mode

Battery: Auxilary Battery

Gauges: Fuel, Water Temperature, Oil, Volt Meter, Hour Meter

Fuel Tank: 26 gal.

Wheels / Tires: 18" Steel, 265/65R A/T / Aluminum W/High Polished Finish

Axle Ratio: 3.42 Ratio

Power Package: Power Steering & Locks w/Keyless Entry, Tilt & Cruise

Power Brakes with 4-Wheel Anti-Lock Brake System

Bumpers: Chrome Front and Rear

Mirrors: Full View Mirrors

Vehicle Color: Exterior – Victory Red

Interior - Black or Gray Cloth

Seating: Standard Cloth Split Bench 40/20/40 With Fold Down Console

Flooring: Vinyl Floors with Floor Mats

Tinted Glass

Electronic Trailer Bakes

Factory Air Conditioning

AM - FM - CD Stereo with Clock

Keyless Entry

Full Size Spare Tire

CITY OF CONROE

PURCHASING DEPARTMENT

MINIMUM SPECIFICATIONS Short BOX 1/2 TON TRUCK

FULL SIZE – 4 DOOR CREW CAB

4 WHEEL DRIVE

TRUCK SPECIFICATIONS - 1-1300-2

Chevy Silverado SSV Police Package Special Service Vehicle (or other manufacturers equivalent)

Class III Hitch w/ Trailer Towing Package & 7-Wire Harness

Cab: Crew Cab / Super Crew Cab

Bed: Typical Fleetside / Styleside

Engine: 5.3 Liter V-8 Flex Fuel (*Low Emissions*) or Equivalent E.F.I.

Transmission: 4 Speed Automatic with Overdrive

GVWR: 6,800 lbs. Minimum

Bed: 5.5' Bed

Battery: Auxiliary Battery

Gauges: Fuel, Water Temperature, Oil, Volt Meter, Hour Meter

Fuel Tank: 26 gal.

Wheels / Tires: 17" Steel, 245/65R17A/T Black Wheels

Axle Ratio: 3.73 Limited Slip

Power Package: Power Steering & Locks w/Keyless Entry, Tilt & Cruise

Power Brakes with 4-Wheel Anti-Lock Brake System

Bumpers: Chrome Front and Rear

Mirrors: Full View Mirrors

Vehicle Color: Exterior – Red Hot

Interior - Black or Gray Cloth

Seating: Standard Cloth Split Bench 40/20/40 With Fold Down Console

Flooring: Vinyl Floors with Floor Mats

Tinted Glass

Electronic Trailer Bakes

Factory Air Conditioning

AM - FM - CD Stereo with Clock

Keyless Entry

Full Size Spare Tire

Spray In Bed Liner

Wheels- Black

CITY OF CONROE PURCHASING DEPARTMENT MINIMUM SPECIFICATIONS

Fire Marshal Police Package Pursuit SUV (1)

SUV SPECIFICATION – 1-1300-3

Year: 2019/2020

Model: Typical PPV Tahoe Police Package Vehicle w/ All Standard Equipment (Rear Wheel Drive)

(or other manufacturers equivalent)

GVWR: 6800 lbs C5U

Emissions: As Required by Federal / Texas Standards – FE9

Engine: 5.3L EcoTec3 V8 w/ Active Fuel Management L83

Trans: 6 Speed Auto MYC

Axle: 3.08 Ratio GU4

Body Color: Victory Red 5T4 WA-9260

Seats: Front: Bucket Cloth – A95 Rear: Cloth Bench

Rear: Cloth Bench Delete center console

Seat Color: Dark Gray or black cloth

Tires: 18" Standard Full Size

SELECTED OPTIONS

Heavy Duty Floor Covering – Carpet

Full Size Spare Tire -

Bluetooth Phone Capability

Wheels- Black

Tinted Glass

CITY OF CONROE PUBLIC WORKS DEPARTMENT MINIMUM SPECIFICATIONS

14 YARD DUMP TRUCK

TRACTOR SPECIFICATION 0603 - 1540

Typical Model GR64 FR Mack (or other Manufacturers Equivalent)

Cab: Conventional

Vehicle Use: Inner City Hauling

GVWR: 50,860 lbs.

Front Axle: GAWR 12,000 lbs. Suspension: 12,000 lbs. Taperleaf Rear Axle: GAWR 38,000 lbs. Suspension: 38,000 lbs. Taperleaf

Axle Equipment: Power Steering

Rear Axles: Inner Wheel Power Divider (Controls / Switch In Cab)

Magnetic Trap Drain & Fill Plugs

Rear Axle Ratio: 5.73

Wheelbase: 205 inches Platform: 175 inches

Cab to Axle (CA): 126 inches to accommodate 14 yard Dump Body.

Alternator: 12V. 130 Amp Batteries: 650/1950 CCA

Engine: 300 HP. Torque 1400 ft. lbs. @ 1,000 rpm

Radiator: Aluminum Core

Startability: 40% While Maintaining Min. Top Speed of 62 mph.

Air Compressor: 13 cfm. Minimum Rating

Transmission: 4500 RDS Automatic 6 speed Allison GEN 5

Clutch Single Plate 17"

Gauges: Fuel, Water Temperature, Oil Pressure, Volt Meter, Speedometer,

Engine Tachometer / Hour meter.

Fuel Capacity: 75 gal. Dual Tanks (150 gal. Total)

Tires: Front - Goodyear – 295/75R22.5 Hwy.

Rear - Goodyear 11R22.5 Mud Grip

Front & Rear Wheels: 22.5x8.25 Steel Disc (10-Hole)

Color: Exterior - White

Interior - Black or Gray Vinyl

Seating: Driver's & Rider's Seat Vinyl (Mid-Back) Air Suspension

Outside Lighting: All D.O.T. Required Lights & Reflectors.

INCLUDED OPTIONAL EQUIPMENT

Dash Mounted Park Brake

Combination Fuel Water Separator Filter (With manual drain valve).

Air Dryer (Heated)

Air Tanks equipped with manual drain valves.

West Coast Mirrors With Aux. Convex. (Must provide view around Dump Bed) 102" Width.

Air Conditioning / Heater

AM - FM Stereo Radio

Transistorized Turn Signal / Flasher

Intermittent Windshield Wipers (2 Speed)

Dome Light

Dual Horns (Air)

Dust proofing (Wheels & Oil Seals (Stemco) & Transmission)

Anti-Sway Springs

Shock Insulators (Heavy Duty Urethane)

Engine Protection / Monitoring System W/Light & Buzzer (Oil, Water, Coolant, Air).

Front Towing Eyes

Valid State Inspection Certificate

SEE NEXT PAGE FOR DUMP BED SPECIFICATIONS

DUMP BED SPECIFICATIONS

Typical Model

Understructure 4"- 5.4#/ft Channels Crossmembers on 12" Centers 5"- 6.7#/ft Channel - 14' Longitudinal: Inside Length: 14 Ft. 96 In. Out / 87 In. Inside Width: 40 In. Side Height: Front Height: 48 In. Tailgate Height: 48 In. Capacity: 12 / 14 Cubic Yards Materials: Sides 10 Ga. Hi-Tensile A570 Front 10 Ga. Hi-Tensile A570 Tailgate 10 Ga. Hi-Tensile A570 Floor 7 Ga. Hi-Tensile A570 Tailgate: 9 Panels with 6 In. Slope, Air Operated Latch w/In Cab Control Tail Chains On Tailgate Mud Flaps: Rear Side Braces: Boxed, Horizontal & Vertical Front Corner Post 10 In. Wrap Around 1/4 In. x 2 In. Tarp Tie Rail: Steps: Driver / Curb Side 2 Rungs Tarp: Electric US Tarp Assembly w/Black Asphalt Tarp with round pipe Tool Holder: Installed on Front of Headboard for Shovel & Rake Alarm: Backup Strobe Light: Amber Strobe Light installed on Cab Shield w/In Cab Control Protective Cover Over Strobe Light Pintle Hitch NA Bed Lights: Recessed FMVSS-108 - D.O.T. Approved Cab Shield: Half Cab Shield Asphalt Apron: 7 Ga. x 8 In. Long, Welded On VTW-63 Full Sub Frame 32.1 Ton Capacity Hoist: Body Prop, w/Body Up Indicator Light PTO For Automatic Transmission **TRUCK WARRANTY** Factory Warranty: Years _____ Miles ____ (Bumper to Bumper) Extended Warranty: Years Miles Extended Warrany Cost \$

Warren F-14 Dump Body: (Black)

REPLACING UNIT #:0620
DEPT # UNIT WILL BE IN:
DATE SPEC. UPDATED: 8/5/19
SPEC. APPROVED BY (DEPT): _ARTHUR BUCKNER
SPEC. APPROVED BY (FLEET):
SPEC APPROVED BY (DIRECTOR): 8-6-19 NORMAN MCGUIRE

City of Conore Typical Specifications

Truck Mounted Combination High Pressure Jet / Vacuum Machine 12 CUBIC YARD / 1500 GALLON EJECTOR TYPE DEBRIS BODY

Truck Specification: - Jet/Vacum

Instructions

The bidder shall indicate compliance to each section of the specifications by a **yes** or **no**. Any **no** indication must be fully explained in the deviations, exceptions, exclusions space, or it will be assumed that the features and performance are as specified and will be supplied without exception. If additional space is needed, bidder shall attach (on bidder's letterhead) a statement of deviations, exceptions, exclusions. Failure to deliver unit as specified will result in rejection of the unit and non-payment.

General

The equipment described herein shall be utilized for the purpose of simultaneous high pressure hydraulic flushing of sanitary and storm drain sewer pipes and removal of liquids and solids from the manhole by use of vacuum generated by a positive displacement dual lobe blower. All operations shall be able to be performed by one operator. All material from the manhole shall be deposited within one cylindrical debris tank. The entire unit is to be of a single engine design. The chassis engine is to power all functions of the combination unit. Units utilizing additional engines and fan type vacuum air movement are unacceptable due to weight, fuel costs, emissions, and maintenance costs.

A) WATER STORAGE TANKS

- 1. 1500 gallon minimum usable capacity.
- 2. Water storage saddle tanks mounted no lower than chassis frame rails to keep the single piston pump inlet flooded.
- 3. Water Tanks to be made of a non-corrosive material with a lifetime warranty against corrosion.
- 4. Bottom of tank protected by 1/4" steel to eliminate potential puncture from road debris.
- The total tank capacity shall be divided into 250 gallon, separate, self-baffling cells connecting together. Individual tanks shall all be mounted at the same level to provide balanced pressurization and prevent air cavitation problems.
- 6. Tank to pump suction 3" dia shut-off valve with cast iron, 3" dia "Y" type strainer with stainless steel filter element.
- 7. Baffled Tanks are connected with 4" dia hump hose. This allows fast and even filling of all of the tanks.

- 8. Provide Two (2) gravity drains located below water tanks to completely drain the fresh water tanks. One (1) 3" ball valve located on the water tank crossover pipe at the rear of the unit. One "Y" strainer located at the front of the water tanks.
- 9. Water tanks to raise with debris body to completely drain water tanks.
- 10. One ½" dia ball valve located on the water tank crossover pipe to provide an operator hand washing station.
- 11. Minimum 5" air gap on fill tube to prevent siphoning of water from storage tanks back into hydrant.
- 12. Clear sight level indicator tubes mounted both sides of unit.
- 13. Ten Year Warranty against defects in materials and workmanship

Water Storage Tanks - Comply:	Yes	No				
Deviations, Exceptions, Exclusions:						

B) ECO WATER PUMP

- 1. Double acting, single piston hydraulic powered water pump with 1:1 oil to water ratio. It shall be driven by a flow & pressure compensating hydraulic system for reduced fuel consumption.
- 2. Rated design full capacity of 100 GPM and 3,000 PSI continuous duty
- 3. Hydraulic pump and water pump shall be sized to produce 50 GPM @ 3000 PSI at an engine rpm of 1650rpm or less.
- 4. Manually operated dual hydro-pneumatic nitrogen charged 2-1/2 pound accumulators with on/ off valve shall be provided to handle pressures from 600 to 3000. Hydro-pneumatic accumulator shall be equipped with valve to allow operator to selectively activate jackhammer/blockage busting or the smooth continuous flow characteristic.
- 5. Smart pressure sensing pump. Water pump matches need determined by flow and pressure requested by front control panel dial.
- 6. Switch at control panel shall control engagement and disengagement and variable flow zero to maximum GPM, from zero to full pressure.
- 7. Pump driven hydraulically by two hydraulic pumps. One powered by a transmission-mounted hot shift PTO and the second powered by the transfer case.
- 8. Pump mounted below water tanks, forward of debris tank to assure flooded inlet at all times to prevent cavitation.
- 9. Single two-way ball valve for sewer nozzle operation.
- 10. Multi flow system dial at control panel to allow independent control of the vacuum pump and water pump.
- 11. Single dial to control water pump on/off and water pressure

- 12. An in-line water to oil cooler shall be installed between the water tanks and the pump. The oil cooler shall not be installed within another component such as a water or oil tank.
- 13. A second air to water cooler shall be installed. This second cooler shall be installed to assist in the cooling of hydraulic fluid during low water flow and hydro-ex operations. The hydraulic system shall not overheat under normal operating conditions including hydro-ex.
- 14. For maintenance and serviceability, the water pump shall not require removal from the unit chassis for maintenance or repair. Pumps that require the draining of hydraulic fluid are not acceptable.
- 15. The water end can be serviced without disassembling both the water and hydraulic ends.
- 16. A minimum 40 GPM flow system will be supplied to prevent freeze-up by pumping water through the system, including hose reel while driving to the jobsite. No electric pumps allowed.
- 17. Self-contained system for purging water from jetting hose, handgun lines and pump to prevent freeze-up. Air to be supplied by unit chassis.
- 18.A 1/2" valve shall be installed on the water pump to aid in draining, flushing out and the prime/purging operations.
- 19. A five gallon antifreeze tank shall be plumbed into water pump for winterization during non-working hours.

Water Pump - Comply:	Yes	No					
Deviations, Exceptions, Exclusions:							

C) VACUUM SYSTEM POSITIVE DISPLACEMENT

- 1. Vacuum pump rotary lobe positive displacement "roots type" using two impellers rotating in opposite directions to move entrapped air around the case to the outlet port. Pump shall be rated for continuous duty.
- 2. During normal vacuuming operation the chassis RPM should not exceed 1700 RPM.
- 3. Unit equipped with a high efficiency exhaust silencer.
- 4. Vacuum pump direct shaft driven from the transfer case without the use of belts, poly chains or intermediate hydraulic or hydrostatic systems. Power supplied from chassis engine via transfer case. The ECO direct transfer case drive will reduce fuel consumption over hydraulic drive systems.
- 5. A Hot Shift control is supplied at front control panel to engage and disengage vacuum pump for operator safety. No need to enter truck cab.

- 6. Three automatic opening vacuum (kunkle) relief valves shall be provided for vacuum pumps rated less than full vacuum.
- 7. Single 14" diameter, internal stainless-steel float ball supplied for automatic vacuum system shut off when unit is full. A minimum 113 square inches must be provided at the air exit duct to reduce air velocity and carryover.
- 8. An externally mounted, vertical cyclone separator with a 16" diameter clean out door shall be incorporated between the positive displacement vacuum pump and the debris tank. The clean out door shall be mounted less than four feet from ground level for operator safety. The cyclone shall have a minimum 41,000 cubic inch internal operating size.
- 9. Vacuum relief vent switch located at operator's station to relieve vacuum. Switch shall open a vent door via an air cylinder to relieve the vacuum without disengaging the vacuum pump.
- 10. The environment shall be protected by a single washable cartridge filter capable of containing particles sized 10 microns or larger. Cartridge filter housing shall be constructed on ¼" steel 28" in diameter and 22" in depth. Washable Filter element shall be 22" x 21" constructed of washable rigid polyester, unitized in a stainless-steel housing, 98% efficient @ 10 microns. Filter element shall have a total filter area of 120 sq. ft.
- 11. Hydraulically operated vacuum boost valve shall be supplied. The valve shall close off the air flow through the boom, creating full rated vacuum inside the debris tank. When opened, a velocity of air shall rush through the boom and vacuum tubes.
- 12. Vacuum pump shall produce 4500 CFM and 18" Hg.

Vacuum System Positive Displacement - Comply:	Yes	No	
Deviations, Exceptions, Exclusions:			

D) DEBRIS BODY - EJECTOR UNLOADING and COMPACTION DEWATERING SYSTEM

- 1. Minimum volumetric capacity of 12.0 cubic yards.
- 2. Complete removal of dry payload in a safe environment.
- 3. Ejector plate using Super-Pak technology to separate liquid from solids at the jobsite to reduce trips to the dumpsite and carry drier loads.
- 4. Single entry top loading of material in debris tank to achieve maximum tank capacity. Boom entry at front of debris body will not be accepted in order to reduce material leakage out of boom hose end when the chassis is braking.

- 5. Debris top loading to be preferred as the debris is aimed at the debris body floor not the rear tailgate door. Debris will protect the floor from a constant flow of material against the debris tank. Baffle to deflect material away from rear tailgate is not acceptable.
- 6. Cylindrical shaped for strength and corrosion resistance. Flat sided debris tanks are specifically prohibited due to flex and weld deterioration.
- 7. Designed to withstand 360" of water vacuum.
- 8. Debris tank to be constructed of abrasion and corrosion resistant $\frac{1}{4}$ " Exten steel, with a yield strength of 50,000 PSI and tensile strength of 70,000 PSI.
- 9. Unloading of body is accomplished without going behind unit.
- 10. Hydraulic powered open and close, full height and width flat rear door with self compensating, double lipped neoprene seal located on door. Rear door to be opened and closed by two power up / down hydraulic cylinders. The door shall hydraulically open 90 degrees to allow easy access to the debris body interior for clean out.
- 11. Four mechanical, wedge pin and receiver, hydraulically operated tailgate latches shall be supplied for securing rear debris tank door. Hydraulic latching shall be accomplished by a single hydraulic cylinder with mechanical linkage, separate from the door open close cylinders. The design of the locking system will not allow tailgate to raise or lower if hydraulic power is lost. Systems requiring separate manual latches to secure the door in the event of hydraulic system failure are unacceptable.
- 12. Exterior mechanical liquid level gauge. Stainless steel float and rod.
- 13. Internal tank manifold flushing system with eight jets capable of Full water pump GPM and PSI.
- 14. The debris inlet pipe shall be bolted to the debris tank and not require welding to replace.
- 15. The make/break connection between debris inlet pipe and boom must compensate for uneven road and ground conditions by way of spring-loaded and gasketed mating plates.
- 16. Full diameter fabricated steel ejector plate with two-stage hydraulic cylinder, so body lift can be limited to two feet for operator safety. Limiting water/debris movement with debris body.
- 17. Rear body pivot pins to be greaseable to increase pin life.
- 18. Controls for latching/unlatching, opening/closing and extending/retracting ejection plate must be located on the passenger side behind the cab and forward of the debris tank for operator protection.
- 19. One internal surge baffle for debris tank.
- 20. Adjustable polymer wipers to clean bottom, sides and top of tank while unloading debris.
- 21. The ejector system shall keep debris away from front drain to maximize dewatering capabilities.
- 22. The ejector system will be designed to allow the operator to compress material in the debris tank to remove the maximum amount of liquid possible.

- 23. The forward section of the debris tank shall raise no more than 24" to assist in cleanout and at dump locations with a truck nose down ramp and operator safety.
- 24. In the compaction cycle, the hydraulic system will be preset to limit the stroke of the cylinder preventing the ejector plate moving past the debris inlet when tailgate is closed.
- 25. Controls to operate the Super-Pak system will be integrated with the standard ejector plate control.
- 26. Front gravity drain valve shall be a minimum 5" diameter opening for decanting of liquids from debris body and shall include a knife valve and 35' of fabric drain hose.
- 27. Body drain capable of pneumatic back flushing to unclog without opening tailgate.
- 28.A combined visual and audible alarm must provide an alert whenever the debris body or tailgate is being raised or lowered.
- 29. Remote grease package tailgate and boom bearing/motor. Boom bearing and motor grease to be delivered by way of fittings located on the passenger side of the body. Fittings to be no higher than 42" above the ground. Tailgate grease to be delivered by way of a single fitting and grease manifold. The single fitting is to be located on the tailgate and at a no higher than 72" off the ground.
- 30. The debris tank shall have a 12" deep rear splash shield installed from the 3 to 9 o'clock position at the tailgate giving 50% coverage to the entire diameter of the open debris body.
- 31. Hydraulically operated vacuum boost valve shall be supplied. The valve shall close off the air flow through the boom, creating full rated vacuum inside the debris tank. When opened, a velocity of air shall rush through the boom and vacuum tubes.
- 32. A centralized lubrication bank shall be provided for the two upper sets of rear tailgate door hinges and upper tailgate door locks. The bottom locks a accessible from ground level.
- 33. Body up message and alarm mounted in chassis cab for operator safety.
- 34. For operator safety, one manual body safety prop mounted to chassis frame and two tailgate safety props. One on each side of unit.

Debris Tank - Comply:	Yes	No						
Deviations, Exceptions, Exclusions:								

E) HOSE REEL, FRONT MOUNT, "ROTATING & EXTENDABLE

1. The hose reel assembly shall be front mounted at the center of the unit with 270-degree manual rotation to facilitate manhole entry and reduce traffic flow interruption. Manual rotation shall occur between the headlights of the truck chassis keeping the reel at a centered position at all times for operator safety.

- 2. Hose reel assembly shall rotate on a large diameter ball bearing and include a pneumatically actuated lock, which will positively lock the reel in any position across its operating range. Fork or gear type locks will not be acceptable.
- 3. The hose reel shall be capable of extending 18" to facilitate manhole entry and to allow tilting of engine hood. Hose reel to be capable of 270 degree rotation extended & 180 degree rotation retracted.
- 4. The hose reel shall have a minimum capacity of 1000' of 1" I.D. sewer hose. Drum and flanges constructed of ¼" steel, designed to withstand maximum working pressure without distortion. The drum shall have a minimum of 24" diameter to prevent hose damage. The reel shall be supported by two heavy duty self aligning pillow block bearings, bolted to a ¼" thick support frame.
- 5. 800 feet of 3/4" dia. plastic sewer cleaner hose supplied, with 3000 PSI working, 6250 PSI burst pressure ratings minimum. Hose must be constructed per standards established by NSWMA. Rubber type sewer hoses are not acceptable.
- 6. Reel driven by a double chain, hydraulic drive producing a minimum 14,600 in/lbs. torque and a variable speed from 0 to 40 RPM.
- 7. Sewer hose footage counter shall be electronic with digital readout and 20 footage memory storage locations. Electronic calculation must automatically account for hose being paid out of the hose reel, not just measure reel rotations.
- 8. Manually controlled level wind provided, utilizing four rollers. The rollers must be designed to pivot over center to allow for sewer hose removal without having to completely rewind back on the reel. Rollers to provide minimum bend radius of sewer hose for safer operation.
- 9. A safety containment system enclosing the top half of the hose reel shall be provided, consisting of a guard constructed entirely of Lexan. The transparent containment system permits viewing of hose reel and sewer hose, while protecting the operator from hose burst or coupling failure.
- 10.A Hot Shift Control is supplied at the front control panel to engage and disengage vacuum pump for operator safety.

Hose Reel Front Mount "Rotating" - Comply:	Yes	No
Deviations, Exceptions, Exclusions:		

F) POWER BOOM

- 1. The power boom shall have a minimum of 217-degree hydraulic worm gear rotation and be lockable in any position. Systems using hydraulic cylinders will not be acceptable.
- 2. A boom rest for transport and safety shall be directly mounted to the sub frame.
- 3. Boom shall not raise with debris body.

- 4. The boom shall have an articulated function that provides a vertical range of motion of no less than 16' (40 degrees) upward and 4' (9 degrees) downward from its horizontal position.
- 5. Boom shall be equipped with a heavy-duty channel reinforced elbow for long life.
- 6. The lift capacity at the boom end shall be 1,000 pounds minimum retracted.
- 7. A joy stick shall be permanently mounted to the operator control station for boom functions: up, down, left and right, in/out.
- 8. The boom shall be controlled by two options: (1) Joystick at front control panel, (2): remote controlled wireless pendant that recharges inside chassis cab. Wireless pendant is capable of up to 20 functions.
- 9. The boom vacuum pipe shall be 8" and reach a minimum of 26' from centerline of unit. Hydraulic boom extension of 8' shall be true telescoping tube inside of tube design which will extend and retract without affecting the vertical position of the boom. The boom structural support tubes shall be equipped with ultra-high molecular weight poly slides to reduce friction of the sliding portions of the assembly and not require lubrication.
- 10. The travel storage position shall be at front right corner of truck bumper for driver visibility.
- **11.**The boom hose shall be removable from the steel elbow without tools or ladders to provide unobstructed operator visibility.
- 12.A boom up message and alarm shall be provided in the chassis cab for operator safety.
- 13.A centralized lubrication point for the boom shall be located on curbside of the unit accessible from ground level.

Power Boom - Comply:	Yes	No		
Deviations, Exceptions, Exclusions:				
				-
				

G) CONTROL CENTER

A. IN-CAB CONTROL CENTER

- The in-cab control center shall include a means of selecting Road Mode or Work Mode.
- 2. The in-cab control center shall include a digital display including:
 - Body Raised message and alarm
 - Boom Raised message and alarm

- Tailgate unlocked message and alarm
- E-stop active alarm
- Control system status menus which indicate working or fault conditions
- Strobe and LED work lights & safety light controls

B. FRONT CONTROL CENTER

- 1. The operator front control center shall be located at the front of the unit.
- 2. The front control center shall include a means of selecting vacuum mode (which disables the body movement functions) or Dump Mode (which disables the boom movement functions).
- 3. The front control center shall include a digital display including:
 - Engine speed
 - Water pressure
 - Hose reel payout
 - Hose reel speed in feet per minute
 - Sewer hose footage counter with 20 bank memory
 - Plug in Pendant
 - Debris tank Level (Option)
 - Fuel consumption
 - Fuel level
 - Water Flow Rate
 - Fresh Water Level (Option)
 - Water Pump Hour Meter
 - Vacuum level (inches Hg)
 - Blower speed
 - Blower hour meter
 - Blower temperature
 - Engine oil pressure
 - Engine temperature
 - Engine voltage
 - Chassis air pressure
 - Unit hydraulic temperature
 - Control system status menus which indicate working or fault conditions for trouble shooting
 - User option menu to select between English or Spanish language
 - Backup controls menu with a secondary means of engaging the blower, water pump and moving body and boom functions
 - Screen that provides a rolling hour countdown of key maintenece requirements

- Valve settings menu to adjust maximum and minimum speeds of the boom movements and the hose reel pay-in/pay-out speed
- 4. Single two way ball valve for jetter hose on/off.
- 5. Hose reel joystick control pay in/pay out with speed control.
- 6. Boom joystick control
- 7. Emergency stop red knob
- 8. Vacuum relief control switch
- 9. Vacuum Boost valve control switch (optional if Vacuum Boost valve is required)
- 10. Reel pivot brake control button
- 11. Water pump variable flow control
- 12. Hot shift vacuum/engine speed control dial with safety speed sensor to prevent damage during engagement.
- 13. In the event of failure by the chassis to provide power to the hydraulics, a 12 volt power-pack will provide emergency hydraulics to the body, boom and hose reel. All standard body, boom and hose reel control inputs will function when under the back up hydraulics. Operation of this feature does not require the engine to be running.
- 14. A single button on the control panel to engage and disengage vacuum pump for operator safety.

C. CURBSIDE CONTROL CENTER

- 1. The curbside control center shall include a means of selecting vacuum Mode (which disables the body movement functions) or Dump Mode (which disables the boom movement functions).
- 2. The Curbside control center shall include:
 - Pendant Plug
 - Panel Lights
 - Emergency E-Stop red knob
 - Push-button controls to open and close the tailgate
 - Push-button controls to raise and lower the debris body
 - Push-button controls to eject and retract the Ejector plate
 - Push-button controls to increase and decrease water pressure
 - Ejector Plate hydraulic pressure gauge

Control Center - Comply:	Yes	No			
Deviations, Exceptions, Exc					

H) Lighting

- 1. LED Boom Flood Lights two LED floodlights to be mounted on opposite sides of the boom elbow. Light sources other than LED are not acceptable.
- 2. LED Strobe/Advisor Package No. 2 consists of two LED North American Signal Part# LED400HD-Astrobe lights mounted top rear of body, two LED strobe lights mounted at front section of boom and one LED top rear traffic advisor with in cab controls.
- 3. LED Strobe/Advisor Package No. 3 consists of two LED strobe lights mounted on lower front of unit, two (2) LED strobe lights mounted lower mid-length of unit two LED strobe lights mounted on lower rear of unit with in cab controls.
- 4. All electrical connections shall be void of exposed wires or terminals and be free of paint. The unit paint process to be completed prior to installation of wiring in manufacturing.
- 5. All light bulbs are to be shock mounted or shock resistant to eliminate bulb failure.

Deviations, Exceptions, Exclusions:
) VACUUM TUBES AND BRACKETS
1. 8" O.D. aluminum tubes with male/female fittings supplied for ease of assembly.
2. One 7' section, two 5' sections, and one 3' section supplied. One gasket and over center clamp for each tube supplied. No tools required with clamps.
3. Four tube storage rack, located on rear door with polymer tube holders.
4. Two 3-tube vertical storage racks to be mounted to exhaust silencer on passenger side street level accessible.
Tube racks on driver side, potentially placing workers in traffic during accessing, are not acceptable.
Vacuum Tubes and Brackets - Comply: Yes No
Deviations, Exceptions, Exclusions:

J) TOOLBOXES

1. Two lockable diamond plate aluminum toolboxes, 18"x18"x48" frame mounted, passenger side mid –ship.

Toolbox - Comply: Yes No		
Deviations, Exceptions, Exclusions:		
<u>K) WII</u>	RELESS CONTROL (Optional)	
	 The control shall be contained in a water proof/shock proof housing with a carrying case with belt and shoulder strap. The wireless remote is recharged in a recharging station located in the cab. The remote control shall have the following functions: Boom up/down, in /out, left/right Engine throttle Water flow and pressure Vacuum relief vent door Emergency button that will automatically open vacuum relief vent door stop all hydraulic functions, kick out water pump and vacuum pump PTO's and bring engine to an idle A reset function to return the unit to normal operation after emergency button has been pushed. For safety purposes, this reset function will require constant pressure and will require a minimum of five seconds between activation of the reset and the return of the unit to normal operation. The wireless remote shall control the sewer hose pay out / retrieve function of the hose reel Rear Door Unlock, Raise, Dump or Eject, Lower and Lock 2x16 character backlit LCD panel display Water pressure in PSI Payout footage in feet. Reel Speed in percentage Fresh water level in percentage Fresh water level in percentage Engine RPM Operating System Status Emergency E-Stop button 	
L) W/	ATER WASHDOWN SYSTEM	
	Main water pump shall supply water source with means of regulating pressure from 0 to 2000 PSI available at handgun quick disconnect. No Exceptions.	
2.	Retractable hose reel with live center complete with 50' x $\frac{1}{2}$ " hose provided with quick disconnect. Located behind the cab.	
3.	2000 PSI wash down gun with adjustable nozzle.	
Wate	r Washdown System - Comply: Yes No	
Devia	tions, Exceptions, Exclusions:	

M) LOOSE PART ACCESSORIES
4. Our 2/4ll v 45 degree steel wende with be adequed wifes a constitut
1. One 3/4" x 15 degree steel nozzle with hardened orifice supplied.
2. One 3/4" x 35-degree steel nozzle with hardened orifice supplied.
3. One 3/4" nozzle extension supplied.
$4.2\frac{1}{2}$ " x 25' fill hose with fittings for filling water tanks supplied, including storage bin
5.3/4"dia x 10' Long Leader Hose.
6. Minimum 3000 psi rated adjustable handgun shall be supplied.
7. One "tiger tail" hose guide supplied complete with rope.
8. Two each operation, maintenance and parts manual supplied on flash drive.
9. Minimum 4 hours of operational training no additional costs.
10. Minimum 4 hours of mechanical training no additional costs.
Loose Part Accessories - Comply: Yes No
Deviations, Exceptions, Exclusions:

N) HYDRO-EXCAVATION ACCESSORY KIT

- 1. One 8" x 6" Reducer.
- 2. One 6" x 6' Dig tube with non-conducting cuff.
- 3. One 3000 psi rated Handgun with on/off trigger.
- 4. One, ½" x 30" Pipe extension with quick disconnects
- 5. Three 1/2" x 6' Pipe extensions with quick disconnects.
- 6. One 12 GPM Ripsaw nozzle.
- 7. One each of an 8" diameter and 6" diameter Supertube locking clamps.
- 8. One each of an 8" diameter and 6" diameter "0" Ring.
- 9. Additional fan cooling for keeping hydraulic system cool during Hydro-Ex operations.

Systems only using an in line oil cooler will be considered unacceptable.

Hydro	-Excavation Accessory Kit - Comply: Yes No		
Deviations, Exceptions, Exclusions:			
<u>O) PA</u>	<u>MNT</u>		
1.	Urethane paint: unit to match chassis cab.		
2.	Color L0006EB White Elite		
Paint	- Comply: Yes No		
Devia	tions, Exceptions, Exclusions:		
P) W	ARRANTY		
	Warranty minimum one year on sewer/catch basin cleaner free from defects in material and workmanship per Super Products LLC Warranty Statement.		
2.	Minimum ten years on debris tank on defects in material and workmanship.		
3.	3. Minimum ten years on water tanks on defects in material and workmanship.		
4.	4. Lifetime rust-through and corrosion on water tanks. Aluminum tanks are considered unacceptable.		
5.	Minimum three years on single piston water pump on defects in material and workmanship. Wear items are not included in warranty.		
Warra	anty - Comply: Yes No		
Devia	tions, Exceptions, Exclusions:		
Devia	tions, Exceptions, Exclusions.		

Q) SAFETY

1.	of gravity tipping risk.
	Bidder to state overall height of unit
2.	To eliminate obstruction of a driver's field of vision, the boom hose or tube end must be removable from the boom elbow. For safety of personnel, removal of the boom hose or tube must be able to be completed from ground level without the use of ladders, lifts, steps or any other access assisting device.
Safety	- Comply: Yes No
Deviat	ions, Exceptions, Exclusions:

R) CHASSIS SPECIFICATIONS - MINIMUM 60,000 Lb. Gross vehicle weight

- 1. 370 hp Diesel Engine, 1150 lb-ft Torque
- 2. Electronic Engine Warning System
- 3. Remote Mounted Engine Control
- 4. 160 Amp Alternator
- 5. Dual Batteries 1850 CCA Total
- 6. Circuit Breakers
- 7. 13.2 CFM Air Compressor
- 8. Dust Shields on Air Brake Chambers, Front and Rear
- 9. Air Dryer with Heater
- 10. Allison 3000 RDS P Automatic Transmission with 10 Bolt PTO's at 4 and 8 o'clock position with Oil Cooler, Push Button Control
- 11. Transmission Temperature Gauge
- 12.20,000 lb. Front Axle and Suspension Set Back
- 13.40,000 lb. Rear Axle, 5.57 Ratio
- 14. Electric Over Air Power Divider Switch with Indicator Light
- 15. Hendrickson RT-403 Rear Suspension
- 16. Vertical Exhaust
- 17.120,000 PSI Frame with Outer C Channel 120,000 PSI Reinforcement
- 18. Integral Front Frame Extension, 20"
- 19.70 Gallon Fuel Tank
- 20. Full Gauge Cluster Speedometer, Tachometer, Oil Pressure, Dual Air Gauges, Coolant, Volts, Fuel, Transmission Temp, Engine Hour Gauge for Truck & Vacuum Equipment Motors
- 21. Overhead Storage Pockets (2)
- 22. Cruise Control
- 23. Driver and passenger Air Seats
- 24. Heated Dual Mirrors with Dual Convex Spot Mirrors

26. Air Conditioning		
27.Tinted Glass 28.Air Horn		
28. Air Horn 29. Disc Wheels aluminum from	nt .	
30. Disc wheels steel rear 31. Front Tires: 425/65R 22.5 G 286A Radial 20 Ply		
33. Body Builder Wiring and In	•	
	nensions according to body builder's requirements	
35. Paint: White		
36. Hood Insulation to aid in lo	wer engine noise	
37.5lb Fire extinguisher		
38. Safety triangle kit		
S) CHASSIS REQUIRED OPTIONS		
1. Two Front mounted tow ho	oks.	
2. Two Rear mounted tow hoo	ks.	
Chassis - Comply: Yes	No	
Deviations, Exceptions, Exclusion	s:	
REPLACING UNIT #:1123		
DEDT # I DHT WHI I DE DI	2002	
DEPT # UNIT WILL BE IN:	2882	
DATE SPEC. UPDATED:	07/31/2019	
SPEC APPROVED BY (DEPT):	DANIEL ROBERTS	
STEC. THTING VED BT (BEI 1)	DANALE ROBLERS	
SPEC. APPROVED BY (FLEET): '	7-31-19 E. METZGER VIA EMAIL	
SPEC. APPROVED BY (DIRECTOR):		

25.AM/FM Radio w/ Weather band

CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.	OFFICE USE ONLY			
This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).				
By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.				
A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.				
Name of vendor who has a business relationship with local governmental entity.				
Check this box if you are filing an update to a previously filed questionnaire. (The law recompleted questionnaire with the appropriate filing authority not later than the 7th business you became aware that the originally filed questionnaire was incomplete or inaccurate.)	s day after the date on which			
Name of local government officer about whom the information is being disclosed.				
Name of Officer				
Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary. A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor? Yes No B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity? Yes No Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or				
other business entity with respect to which the local government officer serves as an ownership interest of one percent or more.				
Check this box if the vendor has given the local government officer or a family member as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a)(a)(b) (B), excluding gifts described in Section 176.003(a)(b) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B				
7				
Signature of vendor doing business with the governmental entity	Date			

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

<u>Local Government Code § 176.001(1-a)</u>: "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

- (a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:
 - (2) the vendor:
 - (A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that
 - (i) a contract between the local governmental entity and vendor has been executed; or
 - (ii) the local governmental entity is considering entering into a contract with the vendor;
 - (B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:
 - (i) a contract between the local governmental entity and vendor has been executed; or
 - (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

- (a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:
 - (1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);
 - (2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or
 - (3) has a family relationship with a local government officer of that local governmental entity.
- (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:
 - (1) the date that the vendor:
 - (A) begins discussions or negotiations to enter into a contract with the local governmental entity; or
 - (B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or
 - (2) the date the vendor becomes aware:
 - (A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);
 - (B) that the vendor has given one or more gifts described by Subsection (a); or
 - (C) of a family relationship with a local government officer.

	CERTIFICATE OF INTE	ı	FORM 1295		
	Complete Nos. 1 - 4 and 6 if the Complete Nos. 1, 2, 3, 5, and 6	ere are interested parties. if there are no interested parties.		OFFIC	CE USE ONLY
1	Name of business entity filing form, a entity's place of business.	and the city, state and country of the busin	ness		
2	Name of governmental entity or state agency that is a party to the contract for which the form is being filed.				
3		ed by the governmental entity or state ag ds or services to be provided under the co		track or ider	ntify the contract,
4	Name of Interested Party	City, State, Country	Natu	re of Interest	(check applicable)
	Name of interested Farty	(place of business)	Co	ntrolling	Intermediary
5	Check only if there is NO Interested I	Party.	<u> </u>		
6	AFFIDAVIT	I swear, or affirm, under penalty of perjur	y, that the	above disclos	ure is true and correct.
		Signature of authorized a	gent of c	ontracting busing	ness entity
	AFFIX NOTARY STAMP / SEAL ABOVE				
		aidify which, witness my hand and seal of office.		, this the _	day
	, 20, 10 0011	, and and doctor office.			
	Signature of officer administering oath	Printed name of officer administering oath		Title of office	er administering oath
	ADI) ADDITIONAL PAGES AS NECES	SSAR	,	

	("Company or Business Name") House Bill 89 Verification
I,	(Person name), the undersigned representative of(Company or Business Name) hereafter referred to as
the undersig	being an adult over the age of eighteen (18) years of age, after being duly sworn by ned notary, do hereby depose and verify under oath that the company named-above, ovisions of Subtitle F, Title 10, Government Code Chapter 2270:
	not boycott Israel currently; and not boycott Israel during the term of the contract.
Pursuant to	Section 2270.001, Texas Government Code:
othei limit busii	ecott Israel" means refusing to deal with, terminating business activities with, or wise taking any action that is intended to penalize, inflict economic harm on, or commercial relations specifically with Israel, or with a person or entity doing ness in Israel or in an Israeli-controlled territory, but does not include an action or for ordinary business purposes; and
corp or a subs	mpany" means a for-profit sole proprietorship, organization, association, oration, partnership, joint venture, limited partnership, limited liability partnership, ny limited liability company, including a wholly owned subsidiary, majority-owned idiary, parent company or affiliate of those entities or business associations that to make a profit.
DATE	SIGNATURE OF COMPANY REPRESENTATIVE
On this th	e day of, 20, personally appeared, the above-named person, who after by me worn, did swear and confirm that the above is true and correct.
NOTARY S	

Date

CITY OF CONROE PURCHASING DEPARTMENT

SENATE BILL 252 CERTIFICATION

On this day, I,	the Purchasing			
Representative for the City of Conroe, Texas, pursuant to Chapter 2252, Section 2252.152 of the Texas Government Code, certify that I did review the website list prepared, maintained, and				
made available to the City of Conroe by the Comptroller of the State of Texas of companies known to have contracts with or provide supplies or services to Iran, Sudan or any foreign terrorist organization. I have ascertained that the below-named company is not contained on said				
-	, Sudan or any Foreign Terrorist Organization.			
Company Name				
	_			
RFP or Vendor number				
	CERTIFICATION CHECK PERFORMED BY:			
	Purchasing Representative			
	Date			