

SAN ANTONIO WATER SYSTEM PURCHASING DEPARTMENT

Issued By: Yvonne C. Torres
BID NO.: 20-20005

Date Issued: January 30, 2020

**FORMAL INVITATION FOR BIDS
30,000 GVWR (MINIMUM) CAB-CHASSIS WITH MOUNTED
8' X 16' PLATFORM BED AND ACCESSORIES (SINGLE CAB)
ADDENDUM 1**

Sealed bids addressed to the Purchasing Director, San Antonio Water System, 2800 US Hwy 281 North, Administration Bldg., 5th Floor, San Antonio, TX 78212 will be received until **3:00 p.m., February 10, 2020** and then publicly opened and read aloud for furnishing materials or services as described herein below,

The San Antonio Water System Purchasing Department is willing to assist any bidder(s) in the interpretation of bid provisions or explanation of how bid forms are to be completed. Assistance may be received by visiting the Purchasing Office in the SAWS Main Office, 2800 US Hwy 281 North, San Antonio, TX 78212, or by calling (210) 233-3819.

(Contractor's Insurance Requirements Attached)

This invitation includes the following:

Invitation for Bids
Terms and Conditions of Invitation for Bids

Specifications and General Requirements
Price Schedule

The undersigned, by his/her signature, represents that he/she is authorized to bind the Bidder to fully comply with the Specifications and General Requirements for the amount(s) shown on the accompanying bid sheet(s). By signing below, Bidder has read the entire document and agreed to the terms therein.

Signer's Name: _____ Firm Name: _____
(Please Print or Type)

Address: _____

Signature of Person Authorized to Sign Bid _____ City, State, Zip Code: _____

Email Address: _____ Telephone No.: _____

Fax No.: _____

Please complete the following:

Prompt Payment Discount: _____% _____days. (If no discount is offered, Net 30 will apply.)

Please check the following blanks which apply to your company:

Ownership of firm (51% or more):

___ Non-minority ___ Hispanic ___ African-American ___ Other Minority (specify) _____

___ Female Owned ___ Handicapped Owned ___ Small Business (less than \$1 million annual receipts or 100 employees)

Indicate Status: ___ Partnership ___ Corporation ___ Sole Proprietorship ___ Other (specify) _____

Tax Identification Number: _____

To report suspected ethics violations impacting the San Antonio Water System, please call 1-800-687-1918.

The following changes have been made for Bid No. 20-20005. Replace entire specifications for the above reference bid as follows:

IT IS NOT NECESSARY TO RETURN THIS ADDENDUM 1 WITH YOUR BID

SPECIFICATIONS

**30,000 GVWR (MINIMUM) CAB-CHASSIS WITH MOUNTED 8' X 16'
PLATFORM BED AND ACCESSORIES
(SINGLE CAB)**

General Conditions for cab-chassis:

1. The unit furnished shall be the manufacturer's latest current model, design, and year. All components shall be installed new, unused, and the unit shall be serviced and ready for operation before delivery. The unit shall meet or exceed manufactures and DOT safety standards and regulations and Texas State requirements applicable for this class of equipment. The unit furnished shall be the product of a qualified manufacture that is regularly engaged in the production and supply of this type of equipment. **Modifying An Existing Model To Meet Specifications Or Prototypes And Unapproved Units Are Not Acceptable.**
2. The dealer and the manufacturer shall provide a minimum of one-year warranty, parts and service included, the supplier's standard time period or the time designated in the factory warranty, which-ever is longer, for the unit and the attachments supplied from the date the unit is put in service. **The dealer will be notified in writing of the in-service date.** Parts and service shall be available within Bexar or adjacent counties from and by a factory-authorized dealer. Bids submitted by dealers located outside Bexar or adjacent counties shall include a list of all factory-authorized dealers located within Bexar or adjacent counties, providing full parts and service warranty for the equipment on this bid. All bidders shall have a parts and service representative within Bexar or adjacent counties capable of performing repairs and stocking of "fast-moving" parts with a turn-around period of approx. five (5) working days. SAWS has a critical need to keep this unit in service; therefore, parts availability is very important. Bids must contain a letter from the manufacturer that regardless of local dealership changes the manufacturer will support or provide reference service.
3. In addition to meeting the San Antonio Water System (SAWS) specifications, all vehicles shall meet or exceed the manufacturer's recommended specifications for the gross vehicle weight specified.
4. Installation of body and accessories on vehicle shall be accomplished by drilling holes in the frame. Welding on or cutting of the frame will not be authorized forward of the rear spring hanger or support.
5. Except for manufacturer's name or model designation, dealer's logos, decals or any other form of markings pertaining to advertisement will not be applied to the equipment.
6. Bidder shall submit with his proposal, the manufacturer's printed specifications and applicable warranties.
7. The gross vehicle weight of the vehicle shall be shown on a rating plate attached to the vehicle by the cab and chassis manufacturer/dealer.
8. Installation of the utility body and equipment shall be in complete compliance with Federal Motor Vehicle Department of Transportation, and Texas Highway Department standards and requirements with the appropriate Incomplete Vehicle Data Manual Certification shall be posted on the left, rear inside cab wall of the vehicle.
9. Manufacturer/dealer shall provide proof of product-liability insurance.
10. The unit including all necessary equipment shall be furnished complete and ready to use. All parts not specifically mentioned which are required for a complete unit shall be included and conform in design, strength, and quality of material.

11. Individual truck specifications supersede general specifications.
12. The successful bidder shall provide all installation mounting reinforcement and modifications that may be required to accommodate and meet the requirements of the equipment and shall furnish any items not included in this specification but that are essential to the overall operation of the crew-cab truck with mounted utility body.
13. The equipment furnished shall be the manufacturer's latest current year model and designed. All components shall be installed new, unused and the unit shall be serviced and ready for operation upon delivery. The completed unit shall meet or exceed manufacturer's DOT, ANSI and OSHA safety standards and regulations and Texas State requirements applicable for this class of equipment. The equipment to be furnished shall be the product of a qualified firm that is regularly engaged in the manufacturing and supply of this type of equipment. If an extended warranty is available from the manufacturer, term of the warranty and applicable costs shall be submitted as an option to the San Antonio Water System within the proposal.
14. It will be the bidder's responsibility to be completely familiar with all specifications prior to submitting bid. No extra payment for the work specified will be considered. Bidder must include all costs related to this bid in their unit price.
15. Bidder, by submitting a quote, acknowledges that they have read and fully understand all requirements and take no exceptions.
16. SAWS specifications and Terms and Conditions provided with the bid document will prevail in the event of conflict with seller.
17. The successful bidder shall ensure correct weight distribution of all body components and other equipment.
18. The successful bidder shall provide the Manufacturer's Statement of Origin (MSO) and legal form 130U to register the vehicle for license plates in the State of Texas shall be furnished when the **equipment is delivered.**
NOTE: Vendor shall include a certified weight slip of completed vehicle at delivery (NO EXCEPTIONS). MSO and 130U shall be assigned as follows:
San Antonio Water System
2800 U.S. Hwy. 281 North
San Antonio, Texas 78212
19. **The invoice shall show the date the equipment is accepted not the delivery date.** San Antonio Water System will receive one invoiced for the completed unit. Invoice shall be date of final acceptance only after all contract Specifications and terms are satisfied by San Antonio Water System.
20. The successful bidder shall provide two (2) complete sets of OEM maintenance, service repair manuals either in print (hard copy) or in electronic format. (compact disk, flash drive or online access).
21. **Vendor shall submit a name of an available vendor within Bexar County to perform warranty work on all aftermarket items.**
22. **DELIVERY REQUIREMENTS:**
Vendor shall submit with bid Delivery Days of equipment. NOTE: SAWS requires delivery of vehicles / equipment on or before 10/30/2020, (VENDOR SHALL PROVIDE MONTHLY UPDATES). Providing equipment(s) which do not meet all specification requirements does not constitute delivery. All vehicles and equipment furnished under this contract shall not be driven or towed in any manner from the manufacturer to the delivering dealer. The delivering dealer shall not add more than 3,000-miles on vehicle. **San Antonio Water System Steven M Clouse Waste Water Treatment Plant, 3495 Valley Road. San Antonio, Texas 78221.** Vendor shall contact Mr. Barry Tuttle @ 210-233-3297, 24-hours prior to delivery. All vehicle deliveries shall be done between 8:00 AM and 4:00 PM, Monday through Friday. No deliveries shall be made after hours, on weekends, or during state or federal holiday periods without prior written authorization by the qualified ordering entity. The qualified ordering entity shall in no way be liable for vehicle(s) delivered during the excluded

periods without prior written approval from qualified entity personnel. **The vendor shall deliver vehicles in full compliance with the specifications to the ordering entity's FOB point.**

23. SILENCE OF SPECIFICATIONS

The apparent silence of this specification and any supplemental specifications as to any details or the omission from it of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of this specification shall be made upon the basis of this statement with SAWS interpretation prevail. Any deviations from this specification must be approved by the San Antonio Water System.

24. Notice To Bidders:

Interested bidders are cautioned to review the specifications carefully, as there may be special requirements not commonly offered by the equipment manufacturer. Do not assume your standard equipment meets all detailed specifications merely because it is listed as an example. Interested bidders are cautioned that any unit delivered to the FOB, which does not meet all specifications, will not be accepted.

Minimum Specifications:

General Specifications

The cab and chassis furnished shall be a current production model with standard equipment and accessories as listed in the manufacturer's latest catalog and include the following, as well as meeting the succeeding individual minimum specifications;

1. Maximum cooling system as required to maintain normal operating temperature considering engine, transmission specifications and air conditioning and to include anti-freeze to -20 degrees.
2. Full flow oil filter
3. Dry-type air cleaner with air restriction indicator.
4. Electric windshield washer and wiper with intermittent control.
5. OEM cab headliner.
6. Arm rests on all doors.
7. Dual sun visors.
8. A minimum of two 12-volt power ports (one may be a cigarette lighter).
9. Front and rear indicator lights with four-way flashers.
10. All safety equipment required by the Federal Government.
11. Tachometer, hour meter shall be analog or digital.
12. Dual electric horns.
13. Fuel, oil pressure, water temperature and ampere gauges or voltmeter shall be analog or digital. (Lights Will Not Be Accepted).
14. Manufacturers power steering.
15. Dome light.
16. OEM, West Coast type rear mirrors, mounted on left and right side, to be breakaway type **To be electric controlled/adjusted, No Exceptions.** OEM or aftermarket eight (8) inch stainless steel convex mirror fender mount assembly, mounted on the left and right front fenders.
17. Twelve-volt electrical system with 180 amp alternator and dual batteries with a minimum 1800 CCA (total). The batteries shall be mounted in an easily accessible area.
18. Conventional style cab with tilt hood and fenders with rubber mud flaps behind the front wheels.
19. Full width front bumper.
20. Two tow hooks or tow hoops shall be installed on the front frame and strengthened sufficiently to tow the vehicle, (if available).
21. Black and white interior trim including upholstery is not acceptable (except for black floor mats).
22. Painted OEM white.
23. All accessories and equipment required shall be OEM, unless otherwise specified.
24. All necessary lights and reflectors to meet current DOT requirements.
25. Individual truck specifications supersede general specifications.

Minimum Specifications

1. Minimum GVWR of 30,000 lbs.
2. Conventional two (2) door cab with **rear window(s)**, corner lights, grab handles on both-sides and safety-type, non-slip 2-step minimum, perforated metal running board at each door.
3. Safety-type non-slip perforated metal running board at each door.
4. Manufacturer's anti-lock full air brake system, S-cam style for GVWR specified with a minimum 13 CFM minimum air compressor and in-line air-dryer, Bendix, Anti-Lock 4-channel brake system or equal. Spring-loaded parking brakes shall be furnished on the rear axle. All brakes shall include automatic slack adjuster, and dust shields. Parking brake shall automatically activate when main air system pressure drops below DOT regulations.
5. Stemco Wet (or equal), front and rear wheel seals, hub-piloted disc wheels front and rear 22.5 with tubeless, steel-belted radial tires with conventional tread front and rear, load range determined by manufacturer for specified vehicle gvwr .
6. Full length "C" channel, high performance frame having a minimum 2.0 million RBM and 110,000 PSI tensile strength rating, with clean top and bottom.
7. Minimum cab to axle of 138 inch + or – 2 inches or as required per body specification.
8. Automatic transmission, Allison 3,000 RDS series electronic transmission, 6-speed with double overdrive or approved equal. Transmission fluid shall be Allison Transmission approved Transend Synthetic.
9. Diesel engine, 6.7 liter minimum SAE gross HP rating of 325 and a minimum SAE gross torque of 750 ft. lb. Engine must be EPA current year compliant.
10. Minimum one (1) 65-gallon fuel tank, with factory fuel filtration system to include a water separator.
11. Minimum front axle rating of 10,000 lbs. and rear axle rating of 23,000 lbs. **with single speed rear axle**, ratio-gearred to attain 68 mph (± 2) road speed at full governed rpm (gear ratio to be coordinated with successful bidder).
12. Front springs of 10,000 lbs. at ground, parabolic taper leaf type with shock absorbers.
13. Rear Suspension of 23,000 lbs at ground, multi-leaf type suspension with shock absorbers and include additional auxiliary overload springs.
14. Exhaust system; muffler and exhaust system shall be designed to allow full utilization of specified axle length. If a vertical exhaust system is used manufacturer shall provide a 45 degree ell or rain cap and include a heat-guard/shield.
15. Factory installed air conditioner with integral heater and defroster (**After Market Installation Will Not Be Accepted**).
16. Factory installed low oil pressure and high water temperature, automatic engine shutdown system.
17. Maximum cooling system as required to maintain normal operating temperature considering engine transmission specification and air conditioning and to include coolant conditioner spin-on element if available.
18. Unit shall be equipped with the following additional equipment:
 - a. Tilt steering column, telescoping **if available from manufacturer**.
 - b. Driver seat to be adjustable bucket type, air cushion, National 2000 Model 295 or equal.
 - c. Passenger seat shall be a 2-passenger bench type seat, folding, non-adjustable with vinyl covered cushions (or equal).
 - d. One (1) air horns (minimum).
 - e. Factory installed AM-FM radio, Standard band transistor.
 - f. **Window tint;** Vendor shall install / apply prior to delivery window tint to the driver's side door glass and passenger side door glass with at least 25% light transmission or TX DOT approved minimum legal light transmission value. The window tint shall be top quality non-fading type. In addition the rear side window(s) / doors shall be tinted with a darker shade of window tint.
19. Truck(s) shall be equipped with a the "Go Power" power inverter 1500 Watt Pure Sine Wave Inverter part number is **GP-ISW1500**, installed with the following kit 1100-1800 Watt Inverter Install Kit 1500 Watt Inverter w/ Install Kit number **GP-DC-KIT3** . **The power unit shall include a dash mounted remote power switch "Go Power, Part number GP-Remote. The unit shall include a heavy-duty, 110-volt extension cord with a male plug on one end and a female plug on the opposite end of the cord, it shall be long enough to provide power to the front area of the cab and shall be routed under the floor mat if the inverter is to be mounted behind the front seat. Note: final location shall be coordinated through Mr. Barry Tuttle @ (210) 233-3297.**
20. Vendor shall supply and install a bolt-in laptop stand designed specifically for the specified truck. The laptop stands shall be a RAM Brand or SAWS approved equal.

21. The unit shall include a mounted 2-1/2 pound fire extinguisher. The fire extinguisher shall be easily accessible to operator mounted to the unit(s) structure.
22. **Vendor shall supply and install an RV type rear view mirror camera system, Gemineye 4.3” LCD Color Mirror, Part# M4200M, C2004, Y Cable. (Or SAWS approved equal). The camera shall include protection from damage as well as, a sun shield to eliminate glare.**
23. Vendor shall install an EJ Ward Inc. W3 Automated Fuel Control System, Canceiver / VIT and hose/filler neck antenna coupling with a hose/filler neck antenna device. Programming will be done by San Antonio Water System personnel. Only EJ Ward equipment compatible with the existing San Antonio Water System fuel management equipment will be accepted. For Further vehicle fueling information transmission, please contact:

E.J. Ward, Inc.

Valerie Pereida

West Coast Inside Sales & Account Coordinator



P: 210-824-7383

F: 210-824-2031

vpereida@ejward.com

24. Cab and chassis shall be designed to handle a platform bed with the following approximate weights and dimensions:
 - a. Empty bed weight: 2,750lbs.
 - b. Body length: 192” + or – 5inch
 - c. Body width: 96” + or – 5inch
 - d. Height of bed 54”

Minimum Specifications

The intent of this specification is to describe a platform bed with accessories that will be used to transport material and tool and other necessary equipment used to perform concrete repair set-up and construction. The unit shall be mounted on a 30,000 lbs. GVWR cab chassis with an approximate 138” cab to axle dimension, with an Allison 3,000 series transmission. The unit shall meet or exceed the following minimum requirements and be completely serviced and ready for operation prior to delivery to 3930 E. Houston St. San Antonio Texas, 78298. The unit shall include all manufacturer’s standard equipment and safety components unless otherwise specified or replaced herein. Prototypes or unproved units are not acceptable.

General Conditions and the special specifications listed below. The unit shall be equipped with the various items of equipment specified therein: **NOTE: Only a completed unit will be accepted.**

All dimensions are approximates. Photos are available upon request of a current unit. Final location of items shall be coordinated through Mr. Barry Tuttle @ (210) 233-3297.

1. The platform bed floor plate shall be constructed of 3/16 “steel tread plate (minimum) with 4” structural steel cross sills (minimum) with gussets on a 12” inch centers (minimum). Long sill shall be a minimum of 7” structural steel running the entire length of the platform.
2. The platform body shall include a reinforced bulkhead with headache rack designed to protect the truck cab. The lower portion of the bulkhead dimensions shall be 18” tall X 8’ wide, framed with square steel tubing with panels of 14-gauge solid steel. The headache rack shall be constructed of steel tubing with expanded metal panel(s). The entire unit will be permanently mounted to the front of the platform to protect the cab rear window. The headache rack shall be designed so that it will not block visibility of the vehicles rear view window.
3. **Curbside (right-side)** of platform shall consist of the following items with the locations listed as starting at the front right hand side (curbside) of the platform continuing to the rear.

- 3.a.1. First section water tank: vendor shall supply a 100-gallon (minimum) polyurethane (or equal) water tank mounted on the front right hand side top of platform. The water tank shall be securely mounted in place to the platform by means of steel straps with insulator strip between the straps and tank to protect tank from damage. The tank shall have a filler-neck with removable cap on the top of the tank with a drain accessible from the right side of the platform. The tank drain shall also include a standard male bronze hose bib.
- 3.b.2. Second section shall be, one (1) each 18" deep x 18" tall x 60" wide, Dutec brand (Or Equal) heavy-duty storage box mounted next to the water tank on the right hand side top of platform (curbside), with doors opening toward the outside of bed. The storage boxes shall be constructed out of 14-gauge (minimum) gavanneal steel. The door(s) shall be heavy duty constructed with an X- break or hat section for reinforcement. Door hinges shall be 5/16" stainless steel pivot pin type with grease fittings, each door shall have 3/16" (minimum) heavy-duty chain and flush mounted, lockable T-handle latch. Note both boxes to be keyed alike. Automotive bulb type seals shall be used to protect boxes interior from the elements.
- 3.c.3. Third section shall be, 18" tall x 48" wide heavy-duty side steel bulkhead, **swing down type with latches**. The bulkhead shall be constructed of **1-1/2" X 1-1/2"** square steel tubing with 14-gauge solid steel panels. Bulkhead hinges shall be stainless steel pivot pin type with grease fittings, each door shall have two (2) 3/8" (minimum) heavy-duty chain to limit swing travel. The operator shall have the ability to remove the chains to allow the bulkhead to swing down completely.
- 3.d.4. Forth section shall be a, 18" tall X 48" wide mounted heavy-duty steel side bulkhead constructed of **1-1/2" X 1-1/2"** square steel tubing with panels of 14-gauge solid steel
- f. **Street side (left-side)** of platform shall consist of the following items with the locations listed as starting at the front left hand side (streetside) of the platform continuing to the rear.
- 4.a.1 A 18" tall X 16' wide heavy-duty steel side bulkhead constructed of **1-1/2" X 1-1/2"** square steel tubing with panels of 14-gauge solid steel shall be provided and mounted to the left hand side of the platform top starting at the bulkhead and continuing to the rear of the platform.
- g. The rear of the platform bed shall include the following:
- 5.a.1 **Street side (left-side) rear top of platform:** Shall have a 18" tall X 56-1/2" wide heavy-duty, swing down tailgate with latches. The tailgate shall be constructed of **1-1/2" X 1-1/2"** square steel tubing with panels of 14-gauge solid steel. The tailgate hinges shall be stainless steel pivot pin type with grease fittings, each door shall have two (2) 3/8" (minimum) heavy-duty chains to limit swing travel. The operator shall have the ability to remove the chains to allow the tailgate to swing down completely.
- 5.b.2. **Steps/Ladder/Grab Handles:** A stepladder with grab handles mounted on the rear of the platform bed for an easy and safe access to the platform shall be provided. The minimum design live load shall be a single concentrated load of 200 lbs. The ladder shall extend from the top of the platform, and the bottom first rung shall be approx. 18" above ground level. The rungs on the ladder shall be constructed of non-slip material, have a minimum clear width of 18", and the distance between the rungs shall not exceed 12" throughout the length of the ladder. The rungs shall be free of splinters, sharp edges, burrs, or projections that may present a hazard. The distance from the centerline of the rungs to the nearest permanent object in back of the ladder shall not be less than 7".
- 5.c.3 **Curbside (right-side) rear of platform:** Shall have an 18" tall X 18" wide mounted heavy-duty steel bulkhead constructed of **1-1/2" X 1-1/2" square** steel tubing with panels of 14-gauge solid steel. Mounted to the panel shall be a water cask holder capable of accommodating a three-gallon water can (14" square platform) with a gusset support on both sides. Rack may be purchased or fabricated mounted on right hand side rear of the platform.
- 5.d.4. One heavy-duty, rigid-type pintle hook, **Holland PH-760 (or approved equal Note: Equals Must be Approved by Barry Tuttle, No Exceptions)**, shall be provided and mounted approximately 22" above ground level and mounted on the rear of the truck. The mounting cross member shall be a minimum thickness of 3/8" with a stiffener plate sufficiently braced and welded to the rear of the unit. A stiffener plate shall be provided with a minimum thickness of 3/8". The pintle hook shall be attached with pintle hook manufactures approved hardware.

One lashing ring (D-ring type) Buyers No. B50 (or equal) shall be installed on the right and left side of pintle hook, appropriately spaced to allow hook-up of safety chains.

h. Vendor shall supply two (2) "H" type structures/supports that shall be utilized by crews to hold lumber during transport. The lumber cradle shall be mounted to the left hand side, platform top in the cargo area. The "H" type cradles shall be constructed of **1-1/2" X 1-1/2"** square tubing 36" tall X 34" wide measured from outside edge of tubing to opposing outside edge of tubing. The "H" type structures/supports shall have two (2) cross-bars / rungs. The first cross-bar shall be mounted four (4") inches from the platform bed floor to the bottom of the cross-bar and the second cross-bar shall be mounted twenty-six (26") inches from the platform bed floor to the bottom of the cross-bar. Note: attached diagram of "H" type structure.

6.a.1. First lumber cradle shall be mounted 42-1/2" from the back-side of headache rack / bulkhead.

6.b.2. Second lumber cradle shall be mounted 94-1/2" from the back-side of the first "H" cradle.

7. Crane shall be installed on the curbside right rear corner of the platform **Corner Mounted Crane:** The unit(s) shall be equipped with an electric crane (Liftmoore L-21 or approved equal), electrically powered by the vehicle's 12-volt battery and protected by an in-line circuit breaker of not less than 150 amps. **NOTE: the total height of crane shall not exceed the roof height of the truck in transport mode. (NO EXCEPTIONS).**

i. The crane shall meet or exceed the following minimum requirements;

7.a.1. Low amperage draw to allow for minimum strain on the vehicle's electrical system when engine is off.

7.b.2. Master disconnect switch located inside of vehicle cab easily accessible to operator.

7.c.3. Surface-mount design for conventional platform body.

7.d.4. Boom shall be foldable.

7.e.5. Three-foot boom capable of 360-degree manual rotation.

7.f.6. Removable 15 foot remote control pendent with a 4-pole plug, Ventura #12102-2 or equal.

7.g.7. 25' of 3/16 diameter wire rope.

7.h.8. Swivel snatch block designed for loads over 1,200 lbs.

7.i.9. Operator's parts and service manual.

8. Vendor shall supply three, (3) storage boxes. The storage boxes shall be mounted on the underside of the platform on each side in front of the rear wheels and behind the rear wheels mounted in a way that will permit easy access. The storage boxes shall be constructed out of 14-gauge (minimum) gavanneal steel. The door shall be heavy duty constructed with an X- break or hat section for reinforcement. Door hinges shall be 5/16" stainless steel pivot pin type with grease fittings, each door shall have 3/16" (minimum) heavy-duty chain and flush mounted, lockable T-handle latch. Note both boxes to be keyed alike. Automotive bulb type seals shall be used to protect boxes interior for elements. **NOTE: All Toolboxes shall have a means or master locking system to add a SAWS provided combination paddle lock. (NO EXCEPTIONS).**

Toolbox dimensions and mounting location shall be:

8.a.1. **Two (2) each 18" deep x 18" tall x 60" in length;** mounted in front of rear tires one on the right hand side and one on the left hand side under platform body.

8.b.2. **One (1) each 18" deep x 18" tall x 48" in length;** mounted behind the rear tires one on the left hand side under platform body.

9. Platform bed shall be equipped with mud flaps in front and behind the rear wheels with a ground clearance of approximately six, (6)". The mud flaps shall be Anti-Spray, with a minimum thickness of 3/8", black in color without identifying markings, and shall be installed immediately behind rear wheels at a distance far enough as to prevent tearing-off while backing over curbs and other obstructions.

- 10 . All electrical wiring shall be color coded, wrapped in a polyvinyl jacket and secured within the body frame. The unit(s) shall include LED stop lights, turn indicator lights, and taillights. A license plate holder and lights shall be provided. All lights shall be shock resistant, seal beams, and flush or box mounted. Reflectors shall be mounted on the sides and rear. The unit(s) shall meet or exceed manufactures, DOT's, State and Federal safety standards and regulations applicable for this class of service truck. All electrical connections and wire ends shall be soldered (wire connectors are not acceptable).
- 10.a.1. Two (2) amber LED strobe light, ECCO # EB7180 or approved equal strobe light shall be mounted on metal plates on service platform headache rack One (1) to be mounted on the street-side (left-side) and one (1) to be mounted on the curb-side (right-side) of the vehicle. An illuminated rocker switch to turn on the strobe light shall be mounted inside the cab and labeled the switch shall be mounted in a way that is easily accessible to operator. Strobe light may be wired to manufacture upfitter factory –installed switches if available. **Note: final mounting location shall be coordinated through Mr. Barry Tuttle @ (210) 233-3297.**
- 10.b.2. Two (2) 12-volt, LED work lights with adjustable brackets mounted on the left and right side of the headache rack, (minimum 48 watts) with an illuminated rocker style switch mounted in cab, Note: work lights may be wired to manufacture upfitter factory –installed switches if available. Both work lights shall have the ability to adjust in a full range up and down and rotate 180-degrees to allow the operator the ability to adjust work lights over the sides of truck safety illuminating work area. Work lights may be wired to manufacture upfitter factory –installed switches if available. **Note: final mounting location shall be coordinated through Mr. Barry Tuttle @ (210) 233-3297.**
- 10.c.3. One each traffic controller LED light bar mounted on the top center of headache rack (ECCO Series Narrowstik #37048AS or approval equal) with control unit mounted inside the cab and labeled. Wiring shall be hidden and shall be operated separately from other lighting system by an easily accessible heavy-duty, in-cab rocker switch panel The system shall be fused and install in a manner that will not affect other vehicle systems and shall be installed by a qualified installer prior to delivery. **Note: final mounting location shall be coordinated through Mr. Barry Tuttle @ (210) 233-3297.**
- 10.d.4. One (1) each cargo light. A 12-volt, LED work light with adjustable brackets mounted on the headache rack pointing to the cargo area shall be installed with the ability to adjust left, right up and down, (minimum 50 watts) with a fused illuminated toggle switch mounted in cab. Cargo light may be wired to manufacture upfitter factory – installed switches if available. **Note: final mounting location shall be coordinated through Mr. Barry Tuttle @ (210) 233-3297.**
- 10.e.5. Vehicle(s) shall have a Meteorlite self-contained LED, amber color corner strobe system, model # SYLED04-AA (or equal). Corner strobe light system shall be **operated separately from other lighting system by a heavy-duty lighted rocker switch.** The lighting assemblies shall be mounted on the front and rear of the vehicle in the following manner; one (1) on the right side front and one (1) on the left side front, one (1) on the left side rear and one (1) on the right side rear. The corner strobe lights shall be shock resistant and water tight. The system shall be fused and install in a manner that will not affect other vehicle systems. The system shall be installed by a qualified installer prior to delivery. Strobe lights may be wired to manufacture upfitter factory –installed switches if available. **Note: final mounting location shall be coordinated through Mr. Barry Tuttle @ (210) 233-3297.**
11. One electrical 97 dB Target Tech #210331 or approved equal backup alarm to meet or exceed State and OSHA requirements.
12. All surfaces of the platform body, including cross members, sub-frame, and long sills, shall be thoroughly prepared and cleaned to remove all dirt, oil, grease, rust, slag, scale and other foreign matter prior to priming. The cleaned and prepared surface shall be treated with a rust treatment prior to primer and given a shop coat of primer and thoroughly dried. The primer used shall be compatible with the finish coat in order to ensure proper adhesion of the finish coat. The Platform sides, toolboxes and headache rack shall be painted the color white with the exception to plated material not normally painted. The finish coat shall be of a first quality air-drying paint with a minimum dry film thickness of the finish coat shall be 1 mil. Lead free paint is acceptable if it matches the color of the truck cab. The entire underside of the utility body shall be completely and thoroughly painted the color black without skips, voids or thin places with a high quality epoxy base paint.

- 12.a.1. Reflective red & white barricade/conspicuous tape shall be applied to the tailgate (reflective tape on tailgate to be applied the same as the units currently in service). The unit shall meet or exceed manufacturer's DOT's and Federal safety standards and regulations applicable for this class of truck. NOTE: Contact Mr. Barry Tuttle @ Barry.Tuttle@saws.org or @ (210)233-3297 for photos of the layout / pattern of current vehicles with reflective barricade / conspicuous tape installed.
13. Wheel chocks: two (2) each shall be delivered with unit. The size and quantity shall be as recommended by the manufacturer for a service life of five years minimum. Wheel chocks shall be stored in a receptacles located under the body curbside close to the rear wheels.
14. Safety Cone Rack: A purchased or fabricated safety cone rack shall be installed on the right rear of the chassis. The rack shall be of sufficient length to hold approx. six (6) 28" traffic cones and able to accommodate a locking device to secure the cones in place.

IT IS NOT NECESSARY TO RETURN THIS ADDENDUM 1 WITH YOUR BID