City of San Antonio

ADDENDUM II

SUBJECT: Formal INVITATION FOR BID (IFB) 6100005541 PURCHASE OF STREET SWEEPERS scheduled to open Wednesday, February 18, 2015 date of issue January 30, 2015.

DATE: February 13, 2015

THE ABOVE MENTIONED INVITATION FOR BID (IFB) IS HEREBY AMENDED AS FOLLOWS:

1. **THE IFB OPENING IS HEREBY EXTENDED TO Wednesday, February 25, 2015, 2:00 P.M. CENTRAL TIME.**

2. IFB Document Section 004 – Specifications / Scope of Services, Item Description changed to read:

4.2.8 Any equipment furnished must meet all Federal and State safety requirements and must be certified as minimum Tier IV interim. The engine offered by bidder must meet the Environmental Protection Agency (EPA) emission standards in effect at the time the bid is submitted, without the benefit of averaging, banking, trading, or emission credits. Bidder shall submit a copy of the applicable EPA certificate with its bid.

4.3	ITEM	QUANTITY	DESCRIPTION
	1	8 Each	**Turnkey Regenerative Air Sweeper with Dual Operator Steering Controls Mounted on a Conventional Truck Cab & Chassis, Minimum 33,000 GVWR Single Axle**

CAB AND CHASSIS SPECIFICATIONS

Changed to read:

4.3.3 TRANSMISSION: Unit shall have an Allison 2500RDS Series electronic 5-speed minimum or proven equal automatic transmission. Include oil filter mounted on transmission and include oil temperature gauge in dash.

SPECIFICATIONS - SWEEPER BODY:

Changed to Read:

4.3.10 CAB: OEM air conditioning, heat, and defrost is required. Cab shall have dual driver positions equipped with air high back adjustable seats with lumbar support. Vinyl seat covers and seat belts are required. OEM tinted windows all around Dual sun visors, dome light, 12 volt power outlet, dual west coast power controlled mirrors with convex mirrors, roll

down door windows, grab handle on both sides of chassis, 2-speed windshield wipers and washer. Minimum AM/FM radio shall to be provided. Chassis shall have air horn. Include speedometer, tachometer, oil pressure, water temperature air pressure for brakes, voltmeter, fuel gauge and transmission temperature at both driving positions. Include engine hour meter. Door and ignition locks to be keyed alike. Unit is to be equipped with a DOT triangle warning kit, fire extinguisher, backup alarm and tow hooks. Left and Right convex fender mirrors.

Changed To Read:

4.3.1.3 HOPPER: The hopper volumetric capacity shall not be less than 7.3 cubic yards with an operating load capacity of not less than 6 cubic yards. . Hopper will be constructed of a minimum 304 stainless steel and minimum of 201 stainless steel to include dump door, left and right inspection doors dust separator and screen. Dumping shall be accomplished by means of hydraulic actuated cylinders attached to a raker bar moving inside hopper, or by a tilting type hopper with a tilt angle of 53 degrees. Controls to be inside and outside for easy access. The hopper dump door to be opened, closed and locked hydraulically. Large inspection doors provided on left and right side of hopper. Hopper shall be airtight through the use of rubber seals on all doors and openings. Include two work lights (LED) at rear of hopper to illuminate the dump area. Include amber LED strobe light with limb guards mounted at the top rear of the hopper. Include two rear high mounted LED yellow or amber flashing lights. Include an LED arrow stick, Whelen TACF85LH or approved equal directing traffic left, right or both be mounted on the rear of the sweeper in line of approaching traffic from the rear. Controls shall be mounted inside of the truck cab.

Changed to Read:

4.3.1.5 BLOWER: A heavy duty steel or aluminum turbine type blower that is balanced to within 4 grams shall be provided to create air pressure and suction. Blower to be belt driven by the auxiliary engine or hydraulic and have a minimum 18,000 CFM rating Blower housing to incorporate a replaceable rubber lining on the inside of the housing.

Changed to Read:

4.3.1.6 PICK UP HEAD: Pick-up head front curtain lifter or approved equal shall be furnished to provide the pick-up head the ability to sweep large volumes of light debris such as leaves, grass, paper, etc. without causing excessive debris accumulation at the pick-up head inlet. It shall be an independent, mechanical system that is hydraulically, electrically, pneumatically or by vacuum controlled with a switch within the cab of the sweeper. **This will be based on demonstration performance.**

Changed to Read:

4.3.1.8 GUTTER BROOM: A single gutter broom is required for the left and right side of unit. Minimum 42" diameter, wire filled vertical digger type gutter brooms for removing debris from gutter area. The gutter broom to be hydraulic motor driven and shall be positioned laterally and vertically by a hydraulics or pneumatics. The gutter broom shall have an adjustment to allow downward compensation for bristle contact, pattern, and wear and shall be full floating to follow street contour. The gutter broom shall be variable speed control for optimum sweeper performance and operator control. The gutter broom shall have lateral flexibility to swing 15" when encountering the impact of an immovable object, avoiding damage to the broom assembly. The gutter broom to include hydraulically or electrically actuated tilt for the right side only. Unit shall be able to securely hold the gutter broom up or in travel position. All controls for gutter broom to be located in cab.

4.4 ITEM QUANTITY DESCRIPTION

2	2 Each	**Turnkey High Dump Regenerative Air Sweeper W/Dual Operator Steering Controls mounted on a Conventional Cab & Chassis, Minimum 33,000 GVWR Single Axle**

CAB AND CHASSIS SPECIFICATIONS:

Changed to Read:

4.4.3 TRANSMISSION: TRANSMISSION: Unit shall have an Allison 2500RDS Series electronic 5-speed minimum or proven equal automatic transmission. Include oil filter mounted on transmission and include oil temperature gauge in dash.

Changed to Read:

4.4.10 CAB: OEM air conditioning, heat, and defrost is required. Cab shall have dual driver positions equipped with air high back adjustable seats with lumbar support. Vinyl seat covers and seat belts are required. OEM tinted windows all around Dual sun visors, dome light, 12 volt power outlet, dual west coast power controlled mirrors with convex mirrors, roll down door windows, grab handle on both sides of chassis, 2-speed windshield wipers and washer. Minimum AM/FM radio shall to be provided. Chassis shall have air horn. Include speedometer, tachometer, oil pressure, water temperature air pressure for brakes, voltmeter, fuel gauge and transmission temperature at both driving positions. Include engine hour meter. Door and ignition locks to be keyed alike. Unit is to be equipped with a DOT triangle warning kit, fire extinguisher, backup alarm and tow hooks. Left and Right convex fender mirrors.

SPECIFICATIONS - SWEEPER BODY:

Changed to Read:

4.4.1.2 Dust Separator: Separation of the dirt and refuse from the air stream shall be accomplished within the hopper and by means of an independent multi-pass centrifugal, single chamber dust separator with a minimum size of 28" diameter and 48" width. The separator shall be designed so that it will not plug with normally encountered debris. The dust separator door shall be self-opening and self-emptying when the hopper tilts. The housing shall be bolt on and constructed of stainless steel material for long life and serviceability

Changed to Read:

4.4.1.3 Hopper: Hopper size shall be approximately 5.7 cubic yards volumetric measurement with a useable capacity of not less than 4.0 cubic yards. When hopper is fully tilted to the dump position, the hopper floor shall have approximately a 50° dump angle. When the hopper is stowed, the hopper floor can be cleaned and drained. Hopper shall discharge debris on the right side as viewed from the rear. The hopper dump height shall have an infinite variable of 24 inches up to 132 inches from tip of discharge chute to the ground with the hopper fully tilted. Hopper door opening shall be a minimum of 68 inches wide by 57 inches tall (68" W x 57" L). Hopper door shall be hydraulically locking. Hopper door shall have two (2) additional mechanical cam locks on door edge opposite from hinges to assure air and watertight operation. Hopper shall have a separate discharge chute to project debris into middle of dump container. Discharge chute shall have side panels on each side to prevent lateral spillage. Discharge chute shall use a rubber seal in the lowered position to prevent leakage while dumping. Unit shall have rubber seals on all doors and opening so that the Hopper shall be airtight. Hopper suction inlet shall be constructed of AR400 material or approved equal or have a bolt-on replaceable wear

resistant liner. The dump door and discharge chute shall be actuated by dual hydraulic cylinders that are attached between the door and chute, independent of the hopper. With the dump door cylinder fully extended, the chute must be capable of floating approximately 45° upward when contacted by a dump container on the bottom side without incurring structural damage to the sweeper. The dump door and discharge chute must be capable of being opened fully without tilting hopper to assist with clean out and service. The hopper shall have a two-piece stainless steel screen designed with integral openings for cleaning the hopper above the screen without the use of drop-down screens or access panels. Filters and baffles are not acceptable due to increased cost of replacement and cleaning. Hopper load indicator shall be provided with audible and visual indicators in cab that signals full load by weight. The hopper shall have a vibration floor to assist in dumping.

Changed to Read:

4.4.1.5 Lights and Warning Systems: An amber strobe light with 2,300,000+ candlepower, a minimum input of 23 Joules, and 60 flashes per minute shall be mounted between the cab and the hopper and viewable from the sides and front of the sweeper. The strobe light shall have a protective limb guard.

A. Four (4) LED rear amber strobe lights shall be mounted on the rear doors of the engine compartment; thus, providing sweeper with rearward illumination.

B. Two (2) LED stop/turn/tail lights shall be mounted on the rear doors of the engine compartment.

C. Two (2) LED work lights shall be mounted on the rear of the sweeper to illuminate the swept path and engine compartment.

D. One (1) LED work light shall be located on the right side for illumination when dumping.

E. Include an LED arrow stick, Whelen TACF85LH or approved equal directing traffic left, right or both be mounted on the rear of the sweeper in line of approaching traffic from the rear. Controls shall be mounted inside of the truck cab.

Changed to Read:

4.4.1.8 BLOWER: A heavy duty steel or aluminum turbine type blower that is balanced to within 4 grams shall be provided to create air pressure and suction. Blower to be belt driven by the auxiliary engine or hydraulic and have a minimum 18,000 CFM rating Blower housing to incorporate a replaceable rubber lining on the inside of the housing.

Changed to Read:

4.4.1.10 GUTTER BROOM: A single gutter broom is required for the left and right side of unit. Minimum 42" diameter, wire filled vertical digger type gutter brooms for removing debris from gutter area. The gutter broom to be hydraulic motor driven and shall be positioned laterally and vertically by a hydraulics or pneumatics. The gutter broom shall have an adjustment to allow downward compensation for bristle contact, pattern, and wear and shall be full floating to follow street contour. The gutter broom shall be variable speed control for optimum sweeper performance and operator control. The gutter broom shall have lateral flexibility to swing 15" when encountering the impact of an immovable object, avoiding damage to the broom assembly. The gutter broom to include hydraulically or electrically actuated tilt for the right side only. Unit shall be able to securely hold the gutter broom up or in travel position. All controls for gutter broom to be located in cab.

Changed to Read:

4.4.1.14 Operating Controls: All operating controls for sweeper shall be mounted inside truck cab and readily accessible to the operator in either left or right driving position. All main electrical systems shall be operated via a multiplexing control system with LED diagnostics and integral solid-state circuit protection. A 12V DC fused power source panel for any needed additional electrical components or accessories (i.e. radios, warning lights, controls, etc.) shall be included. Auxiliary engine controls shall be mounted on console panel. A multi-function multiplex display shall be provided on the console panel to display engine conditions consisting of, but not limited to engine RPM, percent load, engine torque, engine hours, engine oil pressure, coolant temperature, battery voltage, fuel rate, engine fault codes and blower speed. Preset or variable engine throttle control shall be automatically triggered by blower RPM switch from idle (1100 RPM) to operating (1800 RPM). The sweeper shall have a standby control to return sweeper to preset setting. Visual indicator lights shall be provided for, but not limited to, dust suppression water pump on, low water, discharge chute down, stabilizer down, and minimum dump height. Audible alarm shall sound to indicate the following conditions: auxiliary engine shutdown warning, brake not set or transmission not in neutral with stabilizers down or with discharge chute down. All external wiring, harnesses and terminations shall be of a sealed, weather-tight design utilizing heat-shrinkable components. Additionally, where feasible, all connectors shall utilize solid, cold-formed, nickel-plated copper alloy contacts with gas-tight crimps (Deutsch). Stabilizers shall automatically lower when the dump switch is engaged to raise the hopper. The stabilizers shall remain in the down position until the hopper is fully seated in the sweeping position. To assure safety the blower shall not be operational during the dumping sequence to prevent exposing personnel to the blower wheel and eliminate flying debris or the dump sequence shall be inoperable if the brake is not set, or the truck transmission is not in neutral.

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