

City of San Antonio

ADDENDUM I

SUBJECT: Formal Invitation For Bid (IFB) 6100006830 PURCHASE OF HEAVY EQUIPMENT scheduled to open Wednesday, December 2, 2015 date of issue November 9, 2015.

DATE: November 25, 2015

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

- 1. THE BID OPENING IS HEREBY EXTENDED TO FRIDAY, DECEMBER 4, 2015, 2:00 P.M. CENTRAL TIME.**
- 2. IFB Document Section 004 – Specifications / Scope of Services, Item Description changed to read:**

Changed to read:

4.2.4 Equipment Manuals – Successful bidder shall furnish one set of operator manuals covering all major components of the vehicle for each unit delivered. Successful bidder shall also provide two (2) complete sets of repair and parts manuals or CDs for each item bid, to include all major components, or prepaid 8-year subscription to manufacturer's maintenance/parts web site at no cost to the City. If, applicable, successful bidder shall provide a minimum (2) diagnostic software licenses and or software updates if diagnostic software is already currently being used by the City for a minimum (5) years after date of delivery. Online real time access is also accepted.

4.3	ITEM	QUANTITY	DESCRIPTION
	1	3	Wheeled Articulated Loader w/ Minimum 4 Cubic Yard Bucket

Changed to read:

4.3.1 **ENGINE:** Diesel, minimum SAE 191 net HP. Water cooled and protected to -20° F, dry type two-stage air cleaner with service indicator, full flow oil filter and two-stage fuel filter with water separator. Shall include engine pre-cleaner with extension. Programmable hydraulic-driven engine cooling fan with reverse rotation. Engine protection system for low oil pressure, high engine or hydraulic temperature.

Changed to read:

4.3.2 **TRANSMISSION:** Automatic torque converter & minimum four speed forward transmission – Hydrostatic Drive acceptable. Unit to be capable of minimum 15 mph forward and minimum 12 mph in reverse.

Changed to read:

4.3.7 WEIGHT: Minimum 38,000 lbs.

Changed to read:

4.3.9 ATTACHMENTS: General purpose bucket minimum SAE rated capacity 4.00 cubic yard heaped. Minimum dump clearance at 45 degree angle will be 110" inches. Bucket will be equipped with a heavy duty bolt-on type cutting edge. One (1) 72" fork attachment to be included.

Changed to read:

4.3.13 VANDALISM PROTECTION: Full OEM vandalism protection package to include locking engine panels, light covers/guard for brush and debris, fluid cap locking devices, battery box cover with locking device, tool box with locking device. All locks shall be keyed alike. A heavy duty padlock is acceptable. Master on/off switch.

Changed to read:

4.4	ITEM	QUANTITY	DESCRIPTION
	2	1	Tracked Milling Machine

Changed to read:

4.4.4 ROTARY CUTTER ASSEMBLY: Minimum 78" inch cut width with quick change cutting teeth. Assembly to have a minimum 162 cutting teeth. Milling depth, 0 to 12 inches. Machine shall be capable of cutting next to a twelve (12) inch high curb. Averaging ski type assemblies, two (2) each, for left and right sides. Moldboard with window opening and side plates. Pressurized water-spray system to have a minimum capacity of 800 gallons water tank size large enough to accommodate an ten (10) hour work day under normal working conditions, spray bars to be located on top, front and rear for full drum coverage, minimum of 10 nozzles per bar. Automatic grade and slope control with manual override and minimum two (2) grade sensor's located on each side of the machine.

Changed to read:

4.4.6 WEIGHT & DIMENSIONS: Minimum operating weight not less than 59,200 pounds. Overall travel width not to exceed 9' feet. The operating length shall be a minimum of 45' feet.

Changed to read:

4.4.7 ADDITIONAL REQUIREMENTS: Dual work/operator stations or controls easily accessible from either side, wash down system with coiled hose/nozzle complete with on board storage, full vandalism kit, minimum of two (2) amber strobe warning lights and a minimum of eight (8) working lights. Lighting shall include two (2) amber warning lights on the front and two (2) red warning lights on the rear. Each pair of lights shall be mounted at the same level and as widely spaced laterally as practical. Horn and backup alarm required. Unit to be supplied with two (2) sets of asphalt teeth and two (2) sets of concrete teeth. One set of asphalt teeth to be installed at time of delivery. Shall included on-board air compressor with all tools needed for on-site tooth changing. Engine shut off safety switches, minimum of two (2), accessible from ground level.

Changed to read:

4.4.8 OPERATORS STATION: Operators canopy made of solid or metal material that shall be

retractable by hydraulic or electrical power. Mechanical operation will not be accepted.

4.5	ITEM	QUANTITY	DESCRIPTION
	3	3	Wheeled Motor Graders

Changed to read:

4.5.2 TRANSMISSION: Minimum 8 gears forward, 4 gears reverse.

Changed to read:

4.5.3 FRONT AXLE: Wheel lean minimum 18 degrees left and right; oscillation 16 degrees up and down; ground clearance 20" minimum.

Changed to read:

4.5.4 BRAKE SYSTEM: Foot or switch operated service brakes and parking brake.

Changed to read:

4.5.5 STEERING: Minimum Hydrostatic power steering. Minimum turning radius using front axle is 25' minimum, steering arc 72°, minimum articulation angle 20° degrees left and right with articulation lock.

Changed to read:

4.5.6 TIRES: Minimum tire size to be 14.00 x 24, G-2.

Changed to read:

4.5.9 ATTACHMENTS: Rear ripper with a minimum 3 teeth.

Changed to read:

4.5.12 BLADE BASE: Minimum 8.5".

Changed to read:

4.5.14 CAB: Fully enclosed ROPS (ISO 3471) / FOPS (ISO 3449) the cab shall be equipped with a safety control feature for engine auto idle. The cab shall be equipped with all weather cab, safety shatter-proof tinted glass (all windows), factory air, heater/defroster, windshield wipers, temperature gauges, oil indicator, fire extinguisher, operating lights, vandalism protection covers, air cooling fan, and other manufacture's standard equipment.

4.6	ITEM	QUANTITY	DESCRIPTION
	4	3	6 Ton Double Drum Vibratory Roller

Changed to read:

4.6.1 ENGINE: Diesel, minimum SAE 72 net HP rated at no more than 2500 rpm. Full-flow, two-stage fuel filter with water separator, full flow oil-filtering system with disposable spin-on element, double element dry type air cleaner with turbo type pre-cleaner and service indicator. Fuel capacity to be a of minimum 29 U.S. gallons.

Changed to read:

4.6.2 PROPULSION: Dual drum hydrostatic drive with dual or single lever forward, reverse and travel speed control. Infinitely variable travel speed with three-speed drive and minimum top speed of 6.2 mph.

Changed to read:

4.6.4 DRUMS: Drum rolling width minimum 56-inches and 43-inches diameter. Drums to be steel, with minimum 0.65-inch shell thickness and a curb clearance of minimum 13-inches. Drums to be equipped with spring loaded, flexible, double acting, replaceable double blade scrapers. Operating weight, minimum 13,300 lbs.

Changed to read:

4.6.5 VIBRATING SYSTEM: Dual drum vibration system with independent on/off control for each drum. Switch for automatic vibration shutoff as travel control passes through the neutral position. Dual frequency shall be a minimum 2520 vpm in low amplitude and 1980 vpm in high amplitude. Maximum centrifugal force shall be a minimum of 14,500 lbs per drum.

Changed to read:

4.6.6 SPRAY SYSTEM: Fan-jet type spray nozzles with filters, minimum 245 196 gallon corrosion resistant water tank with strainer and lockable fill cap. Must be pressurized and cover full width of each drum. Water flow to be adjustable from operator's position, and have variable intermittent spray control switch. Sprinkler to have variable flow adjustment for each drum.

Changed to read:

4.6.8 ELECTRICAL SYSTEM: Minimum 12 or 24 volts, 55 amp alternator and minimum 120 amp hour battery.

Changed to read:

4.6.13 MISCELLANEOUS ITEMS:

- 4.6.3.1 Electric horn
- 4.6.3.2 ROPS operator area
- 4.6.3.3 Key type ignition

Deleted Item Number:

4.6.3.4 Deleted:

4.7	ITEM	QUANTITY	DESCRIPTION
	5	1	Pneumatic, Articulated Tired Roller

Changed to read:

4.7.1- ENGINE: Diesel, minimum 4 cylinder, minimum 74 horsepower, water cooled, 12 or 24 volt cranking/charging system. Two-stage air cleaner system with service indicator and vacuator valve. Full flow oil filter with spin on replacement. Engine neutral safety interlock. Engine & hydraulic cooling to allow work in high ambient temps. Fill points to allow ease of filling and daily fluid checks. Unit offered shall meet current EPA minimum Tier IV Interim exhaust emission standard.

Changed to read:

- 4.7.2 TRANSMISSION: Hydrostatic drive with wheel motors mounted directly to the drive wheels, a single electric displacement control lever to control direction, speed and braking. NO CHAIN DRIVES. Ground speed to be a minimum 7.5 mph.

Changed to read:

- 4.7.3 BRAKES: Service braking to be dynamic through the hydrostatic transmission. Parking brake to be spring applied, hydraulically released or foot applied brake. Parking brake interlock to be wired into the hydrostatic control so no propel torque is applied when the brake switch is on.

Changed to read:

- 4.7.4 WHEELS: Rollers to have minimum seven (7) wheels, minimum three (3) on the front and minimum four (4) on the rear. The four (4) on the rear are to be drive wheels. All wheels to oscillate, individually or in pairs. Rollers to be equipped with 14/70-20 12 ply or proven equal smooth radial compactor type tires.

Changed to read:

- 4.7.5 CONTROLS: Full hydraulic powered articulated frame steering through orbital control. The operator's compartment will have a single or dual operating station swivel seat with minimum 180 degree rotation or non-rotating sliding seat to allow driver to have more visibility.

Changed to read:

- 4.7.6 INSTRUMENTATION: To be equipped with an instrument panel with the following gauges or warning lights; fuel level, hours of operation, engine speed, oil pressure, water temperature and volt meter. A dual or single hydraulic sight level and temperature gauge. Vandal cover for the instrument panel and all accessible fluid tanks.

No Change:

- 4.7.7 SPRINKLER SYSTEM: To be equipped with a minimum 100 gallon water tank with spray nozzles and mats for each individual tire. Tank will be equipped with a 70 mesh filler screen and 100 mesh in line filter. The water system to turn on automatically when the roller is placed in motion and turn off when stopped.

Changed to read:

- 4.7.8 BALLAST COMPARTMENTS: Unit to have minimum of two (2) ballast compartments or a removable steel weight system. Weights or ballast compartment must be sufficient to provide a minimum of 24,000 lb. roller operating weight.

4.8	ITEM	QUANTITY	DESCRIPTION
	6	2	Loader Backhoe with 12" Bucket and Telescopic Boom

Changed to read:

- 4.8.2 DRIVE TRAIN: Minimum of four (4) forward and two (2) reverse gears with speeds ranging from 3.0 mph to 25 mph. Steering will be power hydrostatic or equal. Four-wheel drive

(4WD) and ride control required.

Changed to read:

4.8.3 HYRDAULIC SYSTEM: Variable flow pump with pump output minimum 29 gallons per minute (gpm). Minimum micron rating for hydraulic filters rated at seven (7) microns or greater.

Changed to read:

4.8.4 TIRES: Front tires will be 12 x 16.5, 8 ply. Rear tires to be minimum 19.5 x 24, 8 ply.

Changed to read:

4.8.5 INSTRUMENT PANEL: Gauges and warning lights to measure engine water temperature, tachometer/hour meter, fuel level gauge, converter oil temperature, voltmeter, air cleaner restriction, alternator, A/C low/high pressure, cold start, engine oil pressure, hydraulic oil filter bypass, parking brake, and low fuel. Audible alarms for coolant temperature, engine oil pressure, parking brake engagement, shuttle engagement, and backup alarm.

Changed to read:

4.8.6 BACKHOE: Twelve (12) inch bucket with heaped capacity at 2.8 cu ft. or greater. Maximum SAE dig depth at 14' or greater with reach from center pivot at 18' or greater. Maximum operating height at 18' or greater with stabilizers operating at 9' or greater. Unit to be equipped with a telescoping boom.

Changed to read:

4.8.7 LOADER: Bucket breakout force 8,900 lbs ft or greater with heaped capacity at 1.25 cu yds or greater. Lift capacity to full height at 6,150 lbs or greater, dump height at 8' 4" or greater, and maximum operating height at 11' or greater. Minimum 700 lbs of counter weight to be equipped at front

Changed to read:

4.8.8 OPERATORS AREA: Cab meets SAE ROPS/FOPS requirements, dual entry, serrated steps, and easy-to-reach handrails. Unit shall have pilot/excavator controls panel selectable from operator station. Seat is made from heavy-duty cloth and heavy-duty suspension with armrests and 2 inch retractable seat belt. Steering column is tiltable. Cab also contains sun visor, hand and foot throttle, padded floor mat, interior rearview mirror, and domelight. Four (4) front and rear work lights, horn, warning buzzer, hazard flashers, and turn signals. One (1) 12-volt mobile power sockets, cup holders, coat hook, and storage trays. Heater/defroster system, cab pressurization, front/rear windshield wiper/washer, and four (4) tinted side windows that open fully or partially. Air conditioned. Slow moving vehicle emblem attached to left rear.

4.9	ITEM	QUANTITY	DESCRIPTION
	7	1	Loader Backhoe with 24" Bucket and 1K Hydraulic Breaker

Changed to read:

4.9.2 DRIVE TRAIN: Minimum of four (4) forward and two (2) reverse gears with speeds ranging from 3.0 mph to 25 mph. Steering will be power hydrostatic or equal. Four-wheel drive

(4WD) and ride control required.

Changed to read:

4.9.4 TIRES: Front tires will be 12 x 16.5, 8 ply. Rear tires to be minimum 19.5 x 24, 8 ply.

Changed to read:

4.9.6 BACKHOE: 24" Bucket with quick change disconnect hoses for 1,000 lbs hydraulic breaker. Dig depth should be a minimum of 18'5". Minimum 700 lbs of counter weight to be equipped at front of unit.

Changed to read:

4.9.8 OPERATOR'S AREA: Enclosed pressurized cab with air conditioning and heater/defroster system. Unit shall have pilot/excavator controls panel selectable from operator station. Cab meets SAE ROPS/FOPS requirements, dual entry. Seat is heavy-duty suspension with armrests and 2 inch retractable seat belt. Steering column is tilt able. Cab also contains sun visor, hand and foot throttle, interior rearview mirror, and dome light. Four (4) front and rear work lights, horn, warning buzzer, hazard flashers, and turn signals. One (1) 12-volt mobile power socket. Front/rear windshield wiper/washer, and four (4) OEM tinted side windows that open fully or partially. Slow moving vehicle emblem attached to left rear.

4.10	ITEM	QUANTITY	DESCRIPTION
	8	1	Dozer Crawler

Changed to read:

4.10.1 ENGINE: EPA compliant diesel, 4 cycle, minimum 4 cylinder, minimum 104 SAE net flywheel horsepower. Full flow, two stage fuel filtering with water separator, double element dry type air cleaner with turbo type pre-cleaner and service indicator.

Changed to read:

4.10.5 UNDERCARRIAGE: Box section track frame construction with a minimum six (6) lower rollers and one (1) idler (carrier) rollers on each side, tracks and rollers all sealed and permanently lubricated. Sprocket and idler will be protected by (inner and outer) rock guards. Track frame covers and sprocket guards will be provided. Hydraulic track adjusters. Full length, heavy duty, bottom/drive train protection with pull/tow hook. Track guides required front and rear. Track shoes minimum 26 inches wide and full heavy duty grousers. Track gauge, minimum 70 inches. Maximum ground pressure 5.0 PSI. Track rails to be abrasion resistant, sealed and lubricated (SALT).

Changed to read:

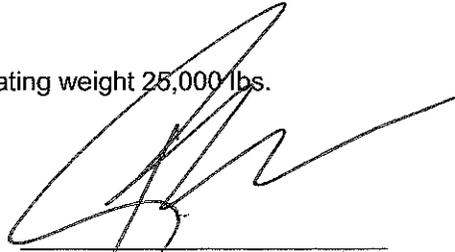
4.10.6 POWER TILT / ANGLE BLADE: Straight blade, width 120 to 135 inches, height minimum 42 inches 3.1 cu yard with an additional brush guard on top. Hydraulically actuated and equipped with hydraulic tilt and angle controls.

Changed to read:

4.10.8 COOLING SYSTEM: Heavy duty grill and brush screen anti sand blast-radiator with brush guard. Reversible fan. System to be protected to -20° F.

No Change:

4.10.9 OPERATING WEIGHT: Minimum basic operating weight 25,000 lbs.

A handwritten signature in black ink, appearing to read 'Paul J. Calapa', written over a horizontal line.

Paul J. Calapa
Purchasing Administrator
Finance Department, Purchasing Division