

INVITATION FOR BID NO. 2880:

PROPOSAL AND SPECIFICATIONS
FOR
FURNISHING AND DELIVERING
A TRUCK MOUNTED BOOM MOWER,
A TRUCK TRACTOR, AN ARTICULATING MOTOR GRADER,
A ROAD WIDENER ATTACHMENT, ARTICULATING WHEEL
LOADERS, AN EXTENDABLE BACKHOE LOADER,
A BACKHOE LOADER, AND/OR TRAILERS
TO THE DEPARTMENT OF PUBLIC WORKS,
HIGHWAY MAINTENANCE DIVISION,
COUNTY OF HAWAI'I

HILO, HAWAII

NOTICE TO BIDDERS

(Chapter 103D, HRS)

Pursuant to Chapter 103D, HRS, the County of Hawai`i is requesting bids/proposals for the following:

INVITATION FOR BID NO. 2880
FURNISHING AND DELIVERING
A TRUCK MOUNTED BOOM MOWER,
A TRUCK TRACTOR, AN ARTICULATING MOTOR GRADER,
A ROAD WIDENER ATTACHMENT, ARTICULATING WHEEL LOADERS, AN
EXTENDABLE BACKHOE LOADER, A BACKHOE LOADER, AND/OR
TRAILERS TO THE DEPARTMENT OF PUBLIC WORKS,
HIGHWAY MAINTENANCE DIVISION,
COUNTY OF HAWAII`T

SEALED TENDERS will be received and publicly opened at ***2:00 P.M., MONDAY, JUNE 3, 2013***, in the Office of the Purchasing Division, Department of Finance, County of Hawai`i, 25 Aupuni Street, Hilo, Hawai`i.

Upon application, forms of proposal and specifications may be obtained from the above-named office. **Any request for approval to substitute any item or take exception to any specification, special provision or general condition must be received in writing in the above-named office on or before MAY 20, 2013.** Any question regarding clarification of any information contained in any bid document must be received in writing in the above-named office on or before ***MAY 20, 2013***. All potential offerors are advised that the County of Hawai`i reserves the right to reject any offer which does not follow these instructions.

NANCY CRAWFORD
Director of Finance

ALL COUNTY OF HAWAI`I IFBS AND RFPS ARE NOW LISTED ON THE WEB AT
<http://www2.hawaii.gov/bidapps/> AND <http://www.hawaiicounty.gov/bids-proposals-contracts/>.

State of Hawai`i ~ Procurement Notice System (PNS)
Publication Date: May 6, 2013

PROPOSAL
FOR
FURNISHING AND DELIVERING
A TRUCK MOUNTED BOOM MOWER,
A TRUCK TRACTOR, AN ARTICULATING MOTOR GRADER,
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A BACKHOE LOADER, AND/OR TRAILERS
TO THE DEPARTMENT OF PUBLIC WORKS,
HIGHWAY MAINTENANCE DIVISION,
COUNTY OF HAWAI'I

_____, 20____

Director of Finance
County of Hawaii
Hilo, Hawaii

Dear Sir:

The undersigned hereby proposes to furnish and deliver the proposed vehicles and/or equipment to various County Agencies, County of Hawaii, at Hilo, Hawaii, complete as specified, all in strict compliance with the Specifications and Special Provisions attached hereto and General Terms and Conditions for Goods and Services dated July 1, 1994 made a part hereof.

It is understood and agreed that the services to be furnished are for the exclusive use of the County of Hawaii and are therefore exempt from Federal Excise Taxes and that the net bid price excludes such tax. An exemption certificate will be furnished upon request for use by the manufacturer in obtaining such exemption.

The undersigned further agrees that he has carefully read and understands the Proposal for this contract and that the Director of Finance, County of Hawaii, reserves the right to accept or reject any and/or all bids or accept other than the low bid, if in his judgment, by so doing, it will be for the best interest of the Public and the County of Hawaii.

For contracts exceeding \$25,000.00, the successful bidder will be required to furnish proof of compliance with the requirements of §3-122-112, HAR (see Special Provisions 28 & 29).

Upon acceptance and award of this Proposal by the Director of Finance, the undersigned hereby agrees to enter into and execute the Contract as required by law within ten days after the award.

It is further understood and agreed that no bid or performance bonds will be required for this solicitation.

Item 1: Furnish and deliver One (1) only Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C, complete as specified, for the Department of Public Works, Highway Maintenance Division, 670 East Lanikaula St., Hilo, HI (Req. pwhy.00368):

Make _____ Model _____ Year _____

Total Bid Price \$ _____

Delivery within _____ calendar days of Notice to Proceed.

Warranty on all parts and labor of _____ calendar days or _____ miles/hours, whichever comes first. Additional warranty of _____ days and/or _____ miles/hours, whichever comes first available at additional cost of \$ _____.

Cost per manual to be ordered at County's option when ordering vehicles:

Service Manual..\$ _____ Parts Manual..\$ _____

(Bidder to provide brochures for model bid)

Item 2: Furnish and deliver One (1) only Truck Tractor, complete as specified, for the Department of Public Works, Highway Maintenance Division, 670 East Lanikaula St., Hilo, HI (Req. pwhy.00369):

Make _____ Model _____ Year _____

Total Bid Price \$ _____

Delivery within _____ calendar days of Notice to Proceed.

Warranty on all parts and labor of _____ calendar days or _____ miles/hours, whichever comes first. Additional warranty of _____ days and/or _____ miles/hours, whichever comes first available at additional cost of \$ _____.

Cost per manual to be ordered at County's option when ordering vehicles:

Service Manual..\$ _____ Parts Manual..\$ _____

(Bidder to provide brochures for model bid)

Item 3: Furnish and deliver One (1) only Articulating Motor Grader, Laterst Model Similar or Equal to John Deere 670G/GP Interim tier 4, complete as specified, for the Department of Public Works, Highway Maintenance Dvision, 670 East Lanikaula St., Hilo, HI (Req. pwhy.00370):

Make_____ Model_____ Year_____

Total Bid Price \$_____

Delivery within _____ calendar days of Notice to Proceed.

Warranty on all parts and labor of _____ calendar days or _____ miles/hours, whichever comes first. Additional warranty of _____ days and/or _____ miles/hours, whichever comes first available at additional cost of \$_____.

Cost per manual to be ordered at County's option when ordering vehicles:

Service Manual..\$_____ Parts Manual..\$_____

(Bidder to provide brochures for model bid)

Item 4: Furnish and deliver One (1) only Road Widener Attachment, Midland SA, complete as specified, for the Department of Public Works, Highway Maintenance Division, 670 East Lanikaula St., Hilo, HI (Req. pwhy.00371):

Make _____ Model _____ Year _____

Total Bid Price \$_____

Delivery within _____ calendar days of Notice to Proceed.

Warranty on all parts and labor of _____ calendar days or _____ miles/hours, whichever comes first. Additional warranty of _____ days and/or _____ miles/hours, whichever comes first available at additional cost of \$_____.

Cost per manual to be ordered at County's option when ordering vehicles:

Service Manual..\$_____ Parts Manual..\$_____

(Bidder to provide brochures for model bid)

Item 5: Furnish and deliver Two (2) each Articulating Wheel Loader, Similar or Equal to Case 721E/XT, complete as specified, for the Department of Public Works, Highway Maintenance Division, 670 East Lanikaula St., Hilo, HI (Req. pwwhy.00372):

Make _____ Model _____ Year _____

Unit Cost \$ _____ Total Bid Price \$ _____

Delivery within _____ calendar days of Notice to Proceed.

Warranty on all parts and labor of _____ calendar days or _____ miles/hours, whichever comes first. Additional warranty of _____ days and/or _____ miles/hours, whichever comes first available at additional cost of \$ _____.

Cost per manual to be ordered at County's option when ordering vehicles:

Service Manual..\$ _____ Parts Manual..\$ _____

(Bidder to provide brochures for model bid)

Item 6: Furnish and deliver One (1) only Extendable Backhoe Loader, similar or equal to Case 590 Turbo Super M, complete as specified, for the Department of Public Works, Highway Maintenance Division, 670 East Lanikaula St., Hilo, HI (Req. pwby.00373):

Make_____ Model_____ Year_____

Total Bid Price \$_____

Delivery within _____ calendar days of Notice to Proceed.

Warranty on all parts and labor of _____ calendar days or _____ miles/hours, whichever comes first. Additional warranty of _____ days and/or _____ miles/hours, whichever comes first available at additional cost of \$_____.

Cost per manual to be ordered at County's option when ordering vehicles:

Service Manual..\$_____ Parts Manual..\$_____

(Bidder to provide brochures for model bid)

Item 7: Furnish and deliver One (1) only Backhoe Loader, similar or equal to John Deere 410G, Cat 430D, 4X4, complete as specified, for the Department of Public Works, Highway Maintenance Division, 670 East Lanikaula St., Hilo, HI (Req. pwby.00374):

Make_____ Model_____ Year_____

Total Bid Price \$_____

Delivery within _____ calendar days of Notice to Proceed.

Warranty on all parts and labor of _____ calendar days or _____ miles/hours, whichever comes first. Additional warranty of _____ days and/or _____ miles/hours, whichever comes first available at additional cost of \$_____.

Cost per manual to be ordered at County's option when ordering vehicles:

Service Manual..\$_____ Parts Manual..\$_____

(Bidder to provide brochures for model bid)

Item 8: Furnish and deliver One (1) only Trailer, latest model similar or equal to Trail King TK 110SA, Advantage Series Sliding Axle, complete as specified, for the Department of Public Works, Highway Maintenance Division, 670 East Lanikaula St., Hilo, HI (Req. pwhy.00375):

Make_____ Model_____ Year_____

Total Bid Price \$_____

Delivery within _____ calendar days of Notice to Proceed.

Warranty on all parts and labor of _____ calendar days or _____ miles/hours, whichever comes first. Additional warranty of _____ days and/or _____ miles/hours, whichever comes first available at additional cost of \$_____.

Cost per manual to be ordered at County's option when ordering vehicles:

Service Manual..\$_____ Parts Manual..\$_____

(Bidder to provide brochures for model bid)

Item 9: Furnish and deliver One (1) only Tilt Trailer, Zieman 2347, Deck Over Wheels, complete as specified, for the Department of Public Works, Highway Maintenance Division, 670 East Lanikaula St., Hilo, HI (Req. pwhy.00376):

Make _____ Model _____ Year _____

Total Bid Price \$_____

Delivery within _____ calendar days of Notice to Proceed.

Warranty on all parts and labor of _____ calendar days or _____ miles/hours, whichever comes first. Additional warranty of _____ days and/or _____ miles/hours, whichever comes first available at additional cost of \$_____.

Cost per manual to be ordered at County's option when ordering vehicles:

Service Manual..\$_____ Parts Manual..\$_____

(Bidder to provide brochures for model bid)

MAINTENANCE/SERVICE: All bidders must supply name and location of service facility located on the Island of Hawaii which will be responsible for repairing/replacing warranty items and providing service, replacement parts and maintenance if required:

Name of Facility_____

Address_____

Name of Manager_____ Telephone_____

Number of Bays_____ Number of full time mechanics_____

Value of parts inventory.....\$_____

Book value of tools and equipment.....\$_____

The undersigned has carefully read and understands the terms and conditions specified in the Specifications and Special Provisions attached hereto, by reference made a part hereof and available upon request; and hereby submits the following offer to perform the work specified herein, all in accordance with the true intent and meaning thereof. The undersigned further understands and agrees that by submitting this offer, 1) he/she is declaring his/her offer is not in violation of Chapter 84, Hawaii Revised Statutes, concerning prohibited State contracts, and 2) he/she is certifying that the price(s) submitted was (were) independently arrived at without collusion. This proposal is in all respects fair and is made without collusion on the part of any person, firm, or corporation, and no official or employee of the government has any illegal interest in the offer or any portion of the profits thereof.

The undersigned represents:

Offeror is:

Sole Proprietor Partnership Corporation Joint Venture

Other _____ State of Incorporation _____

Federal I.D. No.: _____ Hawaii GET License I.D. No.: _____

(If providing social security number, please seal information in separate envelope).

Business address: _____

City, State, Zip Code: _____

Name of Company contact and address to which correspondence should be sent:

Respectfully submitted:

Name of individual: _____

(x) _____ Authorized (Original) Signature

Address: _____

_____ Name and Title (Please Type or Print)

Telephone No.: _____

* _____ Exact Legal Name of Company (Offeror) under which the awarded contract will be executed

Fax No.: _____

E-mail Address:

(PLEASE TYPE OR USE BLACK INK)

COUNTY OF HAWAI'I
Non-Debarment
CERTIFICATE OF COMPLIANCE

Reference: IFB# 2880
(IFB/RFP/QR Number)

____ affirms it is in
(Company Name)

compliance with all laws, as applicable, governing state and federal debarment, and that:

1. The company/individual named above **was not** debarred at the time of bid submittal;
2. The company/individual named above shall immediately notify the County of Hawaii should debarment status change anytime during this agreement.

Moreover _____
(Company Name)

acknowledges that making a false statement shall cause its suspension and may cause its debarment from future contract awards.

Signature: _____

Print Name: _____

Title: _____

Date: _____

SPECIFICATIONS

GENERAL

All vehicles shall be latest model year, bidder shall indicate which production year shall be provided for each item proposed. All vehicles shall be new (not "demonstrators") and complete meeting these detailed specifications as well as all legal requirements and the manufacturer's catalog descriptions. All vehicles shall be aesthetically pleasing in design, with attention to workmanship and details. Also of concern will be the ease of boarding, passenger comfort, visibility and safety to driver and passengers. Workmanship throughout each vehicle and/or accessory shall conform to the highest standard of commercially accepted practice. Each unit shall be relatively smooth and free of burrs and other projections and shall be neatly finished. Replacement parts shall be readily available at a convenient source.

CATALOG/BROCHURE MUST ACCOMPANY BID. County will allow a maximum of 210 calendar days for delivery of items; bids which indicate longer delivery schedules may be rejected. Vehicles, trailers and accessories shall be completely assembled, serviced and in good running order and shall be properly registered with the County Treasurer's office prior to delivery.

ACCESSORIES: Any and all items of equipment, components and accessories as listed on manufacturers specifications and/or brochures as standard items of equipment, whether stated herein or not, shall be included. All vehicles and accessories shall fully comply with all Federal, State and OSHA regulations and requirements.

MANUALS: Each vehicle shall be delivered with all appropriate manuals as specified. Minimum of two (2) parts manuals; two (2) service manuals; two (2) operator's manuals and two (2) emissions manuals (if applicable) per vehicle/equipment including any auxiliary equipment and engines. CD versions are acceptable in place of hard copies.

DELIVERY: Delivery for ALL vehicles shall be made to Automotive Equipment Division, 630 East Lanikaula Street, Hilo, Hawaii. Registration certificates shall be mounted in appropriate holder on left side sun visor. ALL vehicles must be delivered with a FULL tank of fuel. Rain guard vent shades are to be provided on all applicable doors.

WARRANTY: In all cases, no less than manufacturer's standard warranty shall be offered. Contractor shall personally handle all warranty items, including, if necessary, pick-up of an inoperable vehicle and return at its established work location. Time spent out-of-service will be added to the warranty period established on a day-for-day basis. Extended warranties, beyond manufacturer's standard warranty, that must be paid for will NOT be considered in evaluation.

PARTS AVAILABILITY: During the warranty period replacement parts for all vehicles shall be made available within five (5) working days. Unless clearly beyond the contractor's control, any parts requirements not fulfilled within that time will cause liquidated damages to be applied per the schedule in paragraph 24 of Special Provisions, based on the full contract price of the vehicle which the County is unable to use due to unavailability of parts. The Contractor may furnish an equivalent vehicle as a "loaner" to avoid these liquidated damages.

ITEM 1

General Requirement: Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C

Bidder's Exceptions

Truck-Mounted Boom Mower Details:

Description: A self-propelled truck mounted hydraulically driven boom-type mower, which shall mow forward and right of the right rear tire and extend by means of an articulated two-section boom.

This unit shall be constructed to interchange with the following: 50" Rotary Boom mower, 50" Flail Boom mower.

This unit shall be the manufacturer's current production model, meeting or exceeding the terms of these specifications, meeting all applicable ANSI/ASAE S279.1, test standards.

All items/features must be of a standard production model, not modified for bid purposes.

Cutting assembly shall have the following reach: 19'10" vertical, 12'5" below ground level, and 21' horizontal (50" Rotary Boom). Reach shall be measured from truck centerline and may vary depending upon truck and/or tire configuration.

Unit: Total weight – 14,370 lbs.

Wheel base – 109".

Overall transport width – 96".

Overall transport height – 12'6".

Turning circle – 36'7" diameter.

Overall length – 17'5".

Truck
Engine: Diesel, 4 cylinders, 4 cycle, 290 CID, Turbocharged with heatshield.

175 hp @ 2,700 rpm.

ITEM 1 - continued

General Requirement: Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C

Bidder's Exceptions

Spin on oil filter and dry type air cleaner.

Transmission and Axle: 4 speed automatic, with overdrive.

Axle ratio 5.857:1, rear wheel drive.

Tires and Wheels: Six (6), tubeless steel belted 225/70R19.5 LR "F".

One (1) piece steel wheels.

Brakes: Power assisted, anti lock, dual side controlled.

Front, disk type.

Rear, internal expanding shoe.

Parking brake.

Engine exhaust brake supplied.

Cab: Ford F-350 or equal

Heater, defroster, air-conditioned.

Color to be manufacturer's standard white.

Can be driven from the left and operated from the right.

Steering: Dual side, power.

5 turns lock to lock.

Mirrors: Dual outside mirrors, heated and electrically controlled.

Two (2) convex mirrors supplied.

ITEM 1 - continued

General Requirement: Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C

Bidder's Exceptions

Fuel Tank: 40 gallon capacity, feeds both engines.

Electrical: 12 Volt.

80 amp alternator.

Two (2), 12 volt, 750 CCA batteries.

Gauge
Instrumentation: Speedometer.

Water temperature.

Fuel capacity.

Light
Instrumentation: Battery.

Engine oil.

Brakes.

Auxiliary
Engine: 8.5 hp.

Diesel, 4 cylinders, 4 cycle, 183 CID with turbocharger.

Spin on full flow oil filter.

Dry type aircleaner.

Mounting: Engine mounted front and left side of bed.

Fiberglass engine cover, with right and left access doors.

ITEM 1 - continued

General Requirement: Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C

Bidder's Exceptions

Auxiliary Controls: Cab mounted, center counsel.

Electronic adjustable throttle.

Gauges: Hour meter.

Hydraulic oil temperature.

Tachometer.

Water temperature.

Oil pressure.

Lights and Auto Shutdown: Low coolant.

Low oil pressure.

High coolant temperature.

Boom Lift: Shall have two (2) double acting hydraulic cylinders and one (1) single acting cylinder with nitrogen accumulator.

Hydraulically operated horizontal maneuvering cylinder with limited reliefs, swings boom 105°.

All cylinders shall be of the welded type and mounted on top of booms.

Cutter head shall rotate 180° around outer boom.

ITEM 1 - continued

General Requirement: Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C

Bidder's Exceptions

Joy-Stick
Hydraulic
Control
System: Hydraulic Boom mower control system shall be a sealed control panel with the following features:

Cutter head mower on/off switch with safety start device and red light indicator.

Master on/off switch shall disable joystick and mower drive system.

Deck float switch (for use only with flail cutter head).

Travel lock switch shall lock boom to bed in transport position.

SAE J232 foot probe safety shield switch shall be capable of hydraulically opening and closing shield (for 50" Rotary Boom Mower and Saw Blade).

Individually fused circuits for all of the above.

Lift control valve shall be: five spool, electro-hydraulic proportional, port pressure relieved (9), single lever, four-axis, joystick with two proportional thumb rollers.

Manual over-rides for joystick functions.

Pressure filter shall be installed before inlet of lift control valve.

Operator Safety Controls
Include: Operator seat, presence switch.

Right hand door shut-off switch.

ITEM 1 - continued

General Requirement: Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C

Bidder's Exceptions

Boom swing shut-off switch.
Deactivation of switch(es) will cause mower to stop.

Boom Swivel: Swivel base plate shall have integral swing cylinder attachment point, spherical bearing and constructed of not less than 1" steel.

Vertical cylinder base mounting shall be constructed of 1" steel with greaseable, spring steel bushing.

All cylinder mountings shall have replaceable, greaseable, hardened steel bushings.

(Outer boom) Cylinder shall have replaceable, spherical bearing on rod end.

Booms: (Inner) Shall be supported by replaceable, acetal bushings (with grease pockets) at the inner end.

(Inner) Shall be constructed of not less than 6" x 8", 1/4" steel.

(Outer) Shall be constructed of not less than 4" x 6", 1/4" steel.

Hydraulic Drive System: Reservoir shall have a minimum capacity of 43 gallons.

Equipped with intank filter rated at 75 GPM, 25 micron element with restriction gauge.

Reservoir suction and return outlets shall be equipped with ball valves.

A hydraulic cooler shall be rated at 15,000 BTU's per hour.

Suction line shall be an unrestricted 1-1/2" inside diameter.
(Specifically excluding suction filters and screens.)

ITEM 1 - continued

General Requirement: Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C

Bidder's Exceptions

Pressure and return system hoses shall be 1" inside diameter.

Hoses shall have a burst pressure 4 times working pressure.

Pressure, return and lift system steel hydraulic lines shall be mounted at rear of Boom arms (hoses/tubing will not be allowed inside of Boom arms).

Pump drive shaft shall be direct connected to the auxiliary engine.

Pump and motor shall be gear type with cast steel housing and steel gears. (Specifically excluding aluminum pumps and motors.)

Hydraulic drive system shall produce not less than 3,250 PSI and 45 GPM at 2,400 RPM.

Mower drive control valve shall not cause a restriction while cutter head is in operation.

Valve shall stop cutting assembly in maximum 10 seconds while operating from full rpm.

Standard Features: Counter weights shall be installed behind left rear wheel and shall weigh not less than 2,103 pounds.

Protective screen shall be attached to the right hand operator door and shall be constructed of 3/8" polycarbonate, window shall be hinged to facilitate cleaning.

50" Heavy Duty Boom Flail Mower Head (TBF-50C or Equal) Details:

Safety and Testing: Shall meet all applicable ANSI, ASAE and SAE standards.

ITEM 1 - continued

General Requirement: Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C

Bidder's Exceptions

Cutting Head: Shall be flail type, hydraulically driven. Must have quick detachable attachment couplers on pressure and return hydraulic lines for easy removal.

Shall have 50" actual cut.

Shall rotate 180° around outer boom

Knife swing circumference shall be a minimum of 70.68"

Rubber deflector flap shall be bolted to the rear of the flail cutter housing

Shall weigh not less than 835 lbs.

Cutter Housing: Shall be a minimum of 3mm, 100,000 PSI steel.

Shall have a minimum of 5/16" solid steel sidewalls.

Shall have replaceable skid shoes on inner and outer edge.

Cutter Shaft: Cutter shaft shall be a minimum of 6" diameter and 3/8" wall with 2-3/16" in diameter bearings.

Cutter shaft shall have a minimum of 24 all-purpose, suction type brush knives (33 oz.). (Interchangeability shall not require change of cutter shaft.) One (1) extra set of grass cutting blades per unit.

Ground Roller: Cutter heads cutting height shall be adjustable between -1/2" to +6. Height adjustment shall be accomplished through a bolt on adjuster. (It shall not be necessary to remove the roller mounting brackets to adjust cutting height.)

Ground roller shall be 6-5/8" diameter, 1-3/8" double row spherical bearings and replaceable 1-3/8" stub shafts with external bearing hub caps and cap retainers.

ITEM 1 - continued

General Requirement: Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C

Bidder's Exceptions

Hydraulic Motor: Shall be gear type with cast steel housing and steel gears. (Specifically excluding aluminum motors.)

Hydraulic motor shall have a rating of 74 hp.

Operating speed shall be of minimum 2300 rpm.

Drive: Shall be provided by heavy cast pulleys with a 1 to 1.27 ratio.

Shaft shall have adjustable compression spring tension drive belt with a rating of 81 HP.

Rust proofing: Entire vehicle to be rustproofed with warranty to meet Federal Specs 297, Locally applied.

Miscellaneous:

Warranty: The contractor shall also guarantee equipment against defects in workmanship and materials for a period of one (1) year on the mowing unit, two (2) years on the Truck (Bumper to Bumper) and auxiliary engine.

The vendor shall provide full machine warranty for parts and labor.

The vendor shall include all costs, including travel costs, for all related warranty work.

Training: The contractor shall provide operator and maintenance training to demonstrate proper and safe operation and maintenance of equipment.

The training shall include a minimum of one (1) hour classroom time which will be mutually scheduled to accommodate 15 operators, and one (1) hour per operator hands-on training which will be scheduled, by mutual agreement, over a 2-3 day period.

ITEM 1 - continued

General Requirement: Truck Mounted Boom Mower, similar or equal to Tiger Truckat with 50" HD Boom Flail Mower Head, similar or equal to TBF-50C

Bidder's Exceptions

Classroom facility will be provided by the County of Hawaii at the South Hilo Road Baseyard.

Operators to be trained – fifteen (15), all operators to be trained at the same time.

One set of video safety tapes for safe operation of equipment and attachments.

ITEM 2

General Requirement: Truck Tractor, 210" Wheel Base

Bidder's Exceptions

SPECIFICATIONS

ENGINE: Minimum Cummins 500 hp at 2100 rpm or equal.

1850 ft/lbs of torque at 1200 rpm.

160 amp alternator minimum.

12 volt starter and electrical system negative ground.

3 each 12 volt batteries (2,275 cca minimum)

Bendix Westinghouse 18.7 cfm air compressor.

Heavy Duty cooling system.

1,600 minimum sq. in. frontal area radiator, with radiator cross tube. Cowl mounted radiator tie rods or equal. Silicone radiator hoses. Spin-on water corrosion filter. Removable top and bottom radiator tanks and full fan shroud. Heavy duty radiator, full fan shroud.

Cummins Intebrake with 3-way switch or equivalent to match engine.

Spin-on fuel filter.

Dual Donaldson EBA air cleaner with stainless steel straps, or equal.

Single 5" vertical exhaust with curved chrome pipe, and polished stainless steel guard with 27" long grab handle.

Electronic hand throttle or other adequate method of maintaining engine RPM.

FRAME: Manufacturers heat treated alloy steel rails. To meet GVWR.

Full steel inner liner (double frame). To meet GVWR.

ITEM 2 - continued

General Requirement: Truck Tractor, 210" Wheel Base

Bidder's Exceptions

Install grip strut type deck plate from back of cab to edge of sliding 5th wheel.

Tapered end of frame.

Front wheel mud flaps, or rubber fender extensions.

5th wheel (sliding) - Holland FW 2570, 70,000 lb capacity with 41.3 inch slide (approx. 36 inch ahead, 6 inches back of trunion center line). Left hand release.

FRONT AXLE: Dana-Spicer D2000F, 20,000 lb. capacity. 20,000 lb. suspension.

16.5" X 6.5" cam brakes or air disc, iron front hubs with standard studs.

Steel hubs.

TRW TAS85 Dual w/ frame mounted reservoir and oil cooler or equal.

Tubular HD shock absorbers.

Dust shields on front brakes.

REAR AXLE: Meritor RT70-380 70,000 lb capacity, Standard Track (Approximately 62.5 mph between 1800-2100 rpm with approximate ratio of 5.52).

Oil lubricated hubs with grease seals, 335 mm bolt circle.

18" x 7" cam brakes; iron hubs, 335 mm bolt circle.

MGM parking brakes on both axles.

ITEM 2 - continued

General Requirement:	Truck Tractor, 210" Wheel Base	<u>Bidder's Exceptions</u>
SUSPENSION:	Rockwell RT-650 - 65,000 lb. type rear suspension, or equal.	
MAIN TRANS	18 speed transmission to match engine horse power and torque, with oil cooler.	
	1810 drive shaft.	
	Includes aluminum bell housing, water-to-oil cooler, rear transmission support, direct shift pattern, 15.5in Easy Pedal VCT Plus/ceramic 4000# plate/1860 torque clutch. Synthetic lubricant to reduce friction, improve efficiency, & extend component life. Magnetic transmission oil drain plug captures & holds any metal fragments in transmission oil to extend service life. Torque limiting clutch brake.	
AIR SYSTEM:	Six Channel ABS (Anti-Lock) air system or equal. Air and electrical lines on pogo stick. All air valves to be Bendix/Westinghouse. Bendix air dryer. 2 or 3 valve parking system. Trailer brakes - on steering column.	
TIRES:	11 each total. Rim Size Front-22.5 x 9.00 Rear-24.5x8.50 Front: 2 each 315/80R22.5 20 ply – G286 or equal Rear : 4 each 12R24 18ply – Bridgestone L320 or equal Spare: 1 each 315/80R22.5 20 ply – G286 or equal	
FUEL TANK:	100 gallon aluminum fuel tank with skid proof plates (walk-on aluminum) over fuel tank mounted on right side of frame under cab. Natural aluminum finish.	
BATTERY BOX:	Aluminum battery box, mounted within left door steps, cover to be part of steps. Cover to have rubber straps. Natural aluminum finish, or manufacturer's standard aluminum battery box option with steps	

ITEM 2 - continued

General Requirement: Truck Tractor, 210" Wheel Base

Bidder's Exceptions

BUMPER: Painted or chrome bumper with license plate holder and pin or tow loop attached to main frame. License plate and step not to hang lower than bottom of bumper.

Painted or polished stainless steel radiator shell with stainless steel grill.

CAB: Manufacturer's standard aluminum cab.

Front and rear cab mounts, heavy duty.

Extruded aluminum door frames or equal.

Piano type door hinges or equal, heavy duty.

Rear corner cab windows for driver's safety.

Tinted safety glass throughout.

Dual electrically operated windshield wipers and washers with intermittent setting.

CAB 123" minimum, 90 degree fiberglass tilt hood with spring assist.

INTERIOR: Tilt out instrument panel for easy access to gauges and switches.

Air ride driver's seat, concave, high back vinyl.

Bucket type passenger seat, concave, high back vinyl with tool box under seat.

Retractable seat belts.

Vinyl upholstery (tan/brown).

Vinyl padded headliner.

2 each approx. 27" long grab handles both sides back of cab for easy access to deck plate.

Rubber floor mats with sound deadening insulation.

ITEM 2 - continued

General Requirement: Truck Tractor, 210" Wheel Base

Bidder's Exceptions

Safety view window on right door.

Rubber hood latches.

Door wedges top and bottom.

2 each interior sun visors.

Dual chrome air horns.

20" steering wheel.

Mirrors - center plus dual heavy duty mount exterior.

Rear corner cab windows for driver's safety.

INTERIOR CLIMATE: Fresh air heater/defroster, standard air conditioning with manual controls and replaceable cab A/C filters.

ELECTRICAL SYSTEM: Dual or single headlights with turn signals. Additional double faced L.E.D. turn signals mounted on dual exterior view mirrors.

5 ICC painted or chromed lights on cab.

Cab dome lights (2) over both doors.

Rheostat or slide bar controlled dash lighting.

Key ignition and push button start switch with extra set of keys. Dual loading lights back of cab.

All wiring to be numbered and routed through hard shell connectors in weatherproof enclosure.

2 each extra dash mounted rocker or toggle switches.

ITEM 2 - continued

General
Requirement: Truck Tractor, 210" Wheel Base

Bidder's Exceptions

Circuit breaker & fuses to be easily accessible.

INSTRUMENTS: All instruments and gauges shall be analog type.

- Speedometer.
- Tachometer.
- Oil pressure gauge.
- Water temperature gauge.
- 2 each, rear axle temperature gauges.
- Fuel level gauge.
- Transmission temperature gauge.
- Voltmeter.
- Dual air pressure gauges.
- Warning light and buzzer on air system.
- Warning light and buzzer on oil system.
- Warning light and buzzer on cooling system.
- Air application gauge.
- Engine oil temperature gauge.
- Air cleaner restriction indicator.
- Electric horn.
- 4-way emergency flasher.

ITEM 2 - continued

General Requirement:	Truck Tractor, 210" Wheel Base	<u>Bidder's Exceptions</u>
	Cigar lighter and ashtray.	
	AM/FM radio.	
	Fresh air heater/defroster, standard air conditioner with manual controls.	
PAINT:	DuPont Imron or equal - one color, WHITE	
HYDRAULIC WET KIT:	Dual return lines, 1" pressure line from pump, 1-1/4" return line to top of tank and 2" suction line with Sperry Vickers #50FD2F11, 200 mesh suction filter with magnets and indicator between pump and tank , or air controlled with commercial shearing E3XA272BPRL direct mount. 100 gallon aluminum tank with skid proof plates (walk on aluminum) over tank mounted on left side, under or back of cab on frame. Natural aluminum finish.	
	Air controlled PTO with Commercial Shearing C101-AR25 or C102-AR25 pump (No Exceptions).	
	Two each 11' long hoses with spiral spring guard to protect against abrasion, 1" pressure and 1-1/4" return with Pioneer (Parker Hanafin H8-63 and H12-63) quick coupler assemblies.	
	Heavy duty pogo sticks for hydraulic, electrical, air lines.	
	Cat walk, aluminum, back of cab to 5 th wheel.	
MISCELLANEOUS:	Rear fenders, 10 gauge checkered plate, over front tandem axle only with mud flaps at rear tandem axle. Combination amber & clear LED mini light bar on cab, similar or equal to Whelen Ultra Freedom FT8ACACP (2). Electric back-up alarm.	

ITEM 2 - continued

General Requirement:	Truck Tractor, 210" Wheel Base	<u>Bidder's Exceptions</u>
	5 lb. fire extinguisher mounted in cab.	
	Triangular three reflector kit.	
	First aid kit (10 unit) mounted in the cab.	
	Complete set of spare fuses, 1 each for each type.	
	Two (2) computers with software and accessories as required to perform engine diagnostics with all necessary components.	
WARRANTY:	Manufacture's standard warranty as it applies to the truck's components and application	
	The vendor shall include all costs, including travel costs, for all related warranty work.	

Item 3

General Requirement: One (1) Articulating Motor Grader, Latest Model Similar or Equal to John Deere 670G/GP Interim tier 4

Bidder's Exceptions

Engine: Net horsepower – 185 hp (138 kW)

6 cylinders, 4 stroke turbocharged diesel engine, similar or equal to a John Deere PowerTech Plus 6090H EPA Tier 4 / eu Stage IIIA

Displacement – 548 cu.in. (9.0L)

Rated Speed – 2,100 rpm

Net Engine Power –

Gear 1	155 hp (116kW)
Gear 2	160 hp (119kW)
Gear 3	170 hp (127kW)
Gear 4	185 hp (138kW)
Gear 5	190 hp (142kW)
Gear 6	195 hp (145kW)
Gear 7	195 hp (145kW)
Gear 8	195 hp (145kW)

Net Peak Torque 810 lb.-ft. (1098Nm) @ 900rpm

Net Torque Rise 72%

Aspiration - Turbocharged, charge air cooled

Lubrication – Full-flow spin-on filter and integral cooler

Dry type air filter element with warning restriction indicator.

24/100 volt/amp direct electric starting system with heavy-duty alternator to handle all lights at once during night work.

Transmission: Direct-drive John Deere PowerShift Plus™, modulated shift-on-the-go. Event-based Shifting (EBS), inching pedal; independent transmission reservoir with separate filtration and cooling system with 33-gpm (125L/min) gear pump.

Gears – 8 Forward
8 Reverse

Item 3 - continued

General Requirement: One (1) Articulating Motor Grader, Latest Model Similar or Equal to John Deere 670G/GP Interim tier 4

Bidder's Exceptions

Maximum Travel Speeds – with no tire slip at 2,180 rpm , 14.0-R24 tires

Shift Lever Position 1	2.4 mph (3.9km/h)
Shift Lever Position 2	3.4 mph (5.4km/h)
Shift Lever Position 3	4.8 mph (7.7km/h)
Shift Lever Position 4	6.8 mph (10.9km/h)
Shift Lever Position 5	10.1 mph (16.3km/h)
Shift Lever Position 6	14.3 mph (23.0km/h)
Shift Lever Position 7	19.9 mph (32.1km/h)
Shift Lever Position 8	28.1 mph (45.2km/h)

Neutral start provision prevents starting machine in gear.

Differential: Spiral bevel; hydraulically actuated, clutch type can be applied
On- the-go; selectable manual or automatic differential lock.

Axle oscillation +/- 32° total.

Wheel Lean Angle +/- 20 degrees each direction.

Steering – all models include steering wheel; All-hydraulic power-frame articulation for maneuverability and productivity; crab steering reduces side drift, positions tandems on firm ground, and increases side-slope stability; return-to-straight control to be included.

Turning Radius – (front steer and articulation) 23ft 8in (7.21m)

Articulation (both left and right) – shall be 22 degrees

Final Drives – Inboard-mounted planetary sealed in cooled, filtered oil.

Drive-Chain Pitch – 2 in. (51mm)

Item 3 - continued

General Requirement: One (1) Articulating Motor Grader, Latest Model Similar or Equal to John Deere 670G/GP Interim tier 4

Bidder's Exceptions

Brakes: Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in pressurized, cooled, filtered oil; both Independent systems effective on all 4 tandem wheels.

Primary and Secondary Brakes -

Hydraulically actuated, inboard of tandem pivot, self-adjusting, sealed in cooled and filtered oil, multi-disc (ISO – 3450)

Maintenance-free.

Multiple wet disc with accumulator to all four wheels.

Parking system and alarm if parking brake engaged while transmission in gear.

Parking Brake System - Automatically spring applied, hydraulically released, oil cooled self-adjusting.

Tires: Manufacturer's standard size for front and rear.
13.00 - 24 on 9in (229mm) rim.

Must meet productive capabilities.

Full size spare with rim.

Scarifiers System: Mid-Mount Type
Radial linkage with NeverGrease™ pin joints; V-type manual 3-pitch positions, with hydraulic float.

Width of Cut – 3ft. 11in. (1.19m)

Number of Shanks/Teeth – 11 (with replaceable carbide teeth)

Lift above ground – 13.2in. (335mm)

Item 3 - continued

General Requirement: One (1) Articulating Motor Grader, Latest Model Similar or Equal to John Deere 670G/GP Interim tier 4

Bidder's Exceptions

Scarifier System: (con't): Maximum Penetration – 12.8in. (325mm)

Shank –
Spacing – 4.6in. (117mm)
Size – 1 x 3in.(25 x 76mm)

Front Lift Group (Balderson-style or equal)

Parallel linkage, mechanical pins, hydraulic float
Lift –

Above Ground – 73.4in. (1864mm)
Range – 38.9in. (988mm)

Operator Station Low-Profile cab with ROPS (ISO 3471-2008) and FOPS (ISO 3449-2005)

Cutting Edge: Moldboards with Through-Hardened Dura-Max
Cutting Edge.

12ft. x 24in. x 7/8 in. (3.66m x 610mm x 22mm)
with 8-in. x 3/4 -in. (203mm x 19mm) Cutting Edge
and 5/8 –in. hardware.

Steering: Hydraulic orbital center-pivot articulating with on demand oil flow.

ROPS Cab: Enclosed with pressurized, air filtering, defroster, cloth-covered air suspension seat.

Side windows partial/fully opening.

Amber beacon light (strobe type) mounted on middle of cab with brush guard.

Item 3 - continued

General Requirement: One (1) Articulating Motor Grader, Latest Model Similar or Equal to John Deere 670G/GP Interim tier 4

Bidder's Exceptions

ROPS Cab (con't):

- Lunch box retainer strap.
- Wipers rear and intermittent front.
- Windshield washers front and rear.
- Rubber floor mat.
- Sound shield noise suppression.
- Air condition with heater with replaceable cab A/C filters.
- 2 external rear view mirrors, left and right.
- 2 rear view mirrors in cab.
- 3" retractable seat belt.
- Storage tray behind seat.

Must meet OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture when tested according to ANSI/SAE J1166 Feb 87, SAE J394, SAE J1040C, ISO 3471 – 1986.

Instrumentation:

Electronic displays/gauges – Speedometer, tachometer, turn signal indicator, engine coolant temperature, engine oil pressure, fuel level, transmission oil temperature, hydraulic oil temperature, voltmeter, hour meter.

Item 3 - continued

General Requirement: One (1) Articulating Motor Grader, Latest Model Similar or Equal to John Deere 670G/GP Interim tier 4

Bidder's Exceptions

Instrumentation: (con't) Indicator lights – Beacon, work lights, Grader control lockout, low coolant, brake pressure, master indicator, parking brake, air conditioning, hydraulic oil filter, transmission filter, air filter.

Audible alarms – Caution alarm, critical alarm, back up alarm, horn.

Equipment and Accessories: Slow moving vehicle emblem.

Complete vandalism protection, include key with lock.

Articulation locking bar.

Turn signals with 4-way flashers.

Tilt steering.

Fuel tank – 110 gal.

Hydraulic cooler.

Hydraulic reversing fan.

Banked hydraulic diagnostic ports.

Counterweights, manufacturer's specification.

Fire extinguisher, 5 lbs., mounted in cab at County's direction.

First aid kit, mounted in cab at County's direction.

3 sets of manuals (repair, service, parts)

3 sets of operator's manual

3 sets of equipment/lock keys

Item 3 - continued

General Requirement: One (1) Articulating Motor Grader, Latest Model Similar or Equal to John Deere 670G/GP Interim tier 4

Bidder's Exceptions

Equipment and Accessories (Continued): Belly pan. Full length.
Spark arresting muffler with 45° pipe.
Draw hitch with pin in rear.
Night working lights. 6 front, 6 rear, spot lights with switch in cab.
2 brake lamps on rear. All with removable limb guards.
R H steps and platform.
L H steps and platform.

Warranty: 3 years for defects in design, materials, or workmanship. The vendor shall provide full machine warranty for parts and labor.
The vendor shall include all costs, including travel costs, for all related warranty work.

Training: Training for six (6) people and for a minimum of four (4) hours. Training shall be held at the South Hilo Road Baseyard.

Misc. Equipment: Dymax V-cutting configuration Road Scarifier with similar mounting design to a Balderson lift group, equipped with rotating replaceable carbide tips or equal.

Item 4

General Requirement: One (1) Road Widener Attachment, Midland SA, latest model or equal

Bidder's Exceptions

Engine: 24 hp, air cooled diesel, with dry type replaceable air filters

Weight: 6,000 lbs.

Fuel Tank: 14 gal. with filter

Hydraulic Pump: Variable Displacement

Hydraulic Reservoir: 10 gal. with suction strainer & return line

Spread Width: 1' to 6'

Spread Depth Range: 12" above to 12" below grade

Production Rate Capability: 450 tons per hour

Controls: Hydraulic Grade, manual slope, waterproof electrical switches.

Strike Off: Strike-off blade spreads material to a controlled width, depth, and slope

Push Roller: Oscillating and extendable

Conveyor

Width: 18"

Live Area: 16"

Speed: 0 – 400 f.p.m.

Type: Variable Speed Positive Drive, hydraulic

Item 4 - continued

General Requirement: One (1) Road Widener Attachment, Midland SA, latest model or equal

Bidder's Exceptions

Caster Wheels

Caster: Heavy duty, 10,000 lbs. or greater capacity

Wheel: Two (2) 16" x 5" wheels per caster

Standard Arrangement: Four (4) casters

Mounting Brackets: Able to mount to similar or equal to Case 721E/XT

Training: The contractor shall provide operator and maintenance training to demonstrate proper and safe operation and maintenance of equipment.

The training shall include a minimum of one (1) hour classroom time, which will be mutually scheduled to accommodate eight (8) operators, and one (1) hour per operator hand-on training which will be scheduled, by mutual agreement.

Classroom facility will be provided by the County of Hawaii at the South Hilo Road Baseyard.

Operators to be trained – eight (8), all operators to be trained at the same time.

Contractor shall provide this training at no additional cost to the County

One (1) set of video safety tapes for safe operation of equipment and attachments.

Item 4 - continued

General Requirement: One (1) Road Widener Attachment, Midland SA, latest model or equal

Bidder's Exceptions

Warranty: The vendor shall provide full machine warranty for parts and labor.

The vendor shall include all costs, including travel costs, for all related warranty work.

Miscellaneous: Three (3) each owner's and operator's manual, parts manual, and service manuals, explaining all operations, parts and components for engine and machine.

One (1) 5# Dry chemical fire extinguisher, to be mounted in location designated by County.

One (1) adapter kit to mount to front end loader (brand/model to be determined later)

Item 5

General Requirement: Two (2) Articulating Wheel Loader, Similar or Equal to Case 721E/XT

Bidder's Exceptions

ENGINE: Gross Horse Power 195 (145 KW) @2000 RPM.

Net Horse Power 183 (137 KW) @2000 RPM.

6 cylinders 4 Stroke Turbocharged Diesel Engine.

Direct Fuel Injection.

Engine Oil pump with deep sump plate cooler with pressurized under piston nozzles.

Dry type air filter element with warning restriction indicator.

24 volt direct electric starting system with heavy-duty alternator to handle all lights at once during night work.

TRANSMISSION: Four (4) Forward, Three (3) Reverse Proportional with electronic control module torque sensing auto shift/manual shift and modulation.

Move the lever forward or back for direction change.

Neutral start provision prevents starting machine in gear.

DIFFERENTIAL: Limited slip on front and rear axles.

Rear axle oscillation 24° total.

	<u>Front</u>	<u>Rear</u>
Axes differential ratio	3.364	3.182
Planetary Ratio	6.000	6.400
Final Axle Ratio	20.18	20.36
Outboard Planetaries.		

BRAKES: Hydraulically actuated.

Maintenance free.

Multiple wet disc with accumulator on all four wheels.

Item 5 - continued

General Requirement: Two (2) Articulating Wheel Loader, Similar or Equal to Case 721E/XT

Bidder's Exceptions

BRAKES CON'T: Parking system and alarm if parking brake engaged while transmission in gear.

TIRES: Manufacturer's standard size for front and rear.
Must meet productive capabilities.

Full size spare with rim.

LOADER HYDRAULIC SYSTEM: Pump – Closed centered pressure/flow compensated.
Variable displacement – 3.84 in ³/rev 31.6 gpm @2000 rpm @3600 psi (119.6 L/min @2000 rpm @ 24821 KPa).
Control Valve – Closed center, 4 spool with pilot control for lift, tilt and auxiliary hydraulics, electromagnetic detents in float raise and rollback.

Filtration – Full flow replaceable cartridges on return line, condition indicator light for filter.

Two Lift Cylinders – Bore diameter 4.75" (120.6 mm), Rod Diameter 3.00" (76.2 mm), Stroke 32.59" (827.9mm).

Dump Cylinder – Bore diameter 5.75" (146.0 mm), Rod Diameter 3.00" (76.2mm) Stroke 24.78" (629.4mm).

Hydraulic Quick Coupler.

STEERING: Hydraulic orbital center-pivot articulating with on demand oil flow.

ROPS CAB: Enclosed with pressurized, air filtering, defroster, cloth-covered air suspension seat.
Side windows partial/fully opening.

Item 5 - continued

General Requirement: Two (2) Articulating Wheel Loader, Similar or Equal to Case 721E/XT

Bidder's Exceptions

ROPS CAB CON'T: Amber beacon light (strobe type) mounted on top, center of cab.

Limb guard mounted with wing nuts.

Wipers rear and intermittent front.
Windshield washers front and rear.

Rubber floor mat.

Sound shield noise suppression.

Air condition with heater.

2 external rear view mirrors, left and right.

2 rear view mirrors in cab.

3" retractable seat belt.

Storage tray behind seat.

Lunch box retainer strap.

Must meet OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture when tested according to ANSI/SAE J1166 Feb 87. SAE J394 SAEJ1040C ISO 3471 – 1986.

INSTRUMENTATION:

Electronic displays/gauges – Speedometer, tachometer, turn signal indicator, engine coolant temperature, engine oil pressure, fuel level, transmission oil temperature, hydraulic oil temperature, voltmeter, hour meter.

Indicator Lights – Beacon, work lights, loader control lockout, low coolant, brake pressure, master indicator, parking brake, air conditioning, hydraulic oil filter, transmission filter, air filter.

Audible Alarms – Caution alarm, critical alarm, back up alarm, horn.

Item 5 - continued

General Requirement: Two (2) Articulating Wheel Loader, Similar or Equal to Case 721E/XT

Bidder's Exceptions

EQUIPMENT AND ACCESSORIES: Slow moving vehicle emblem.

Complete vandalism protection, include key with lock.

Articulation locking bar.

Turn signals with 4-way flashers.

Tilt steering.

Fuel tank – 65 gal.

Hydraulic cooler.

Hydraulic reversing fan.

Banked hydraulic diagnostic ports.

Belly pan. Full Length.

Spark arresting muffler with 45° pipe.

Draw hitch with pin in rear.

Counterweights, Manufacturer's specification.

Fire Extinguisher, 5 lbs mounted in cab at County direction.

First aid kit mounted in cab at County direction.

Not to exceed 2.98 cu yd bucket. Must be 4 in 1 type with bolt on cutting edge with bolt on segments with teeth. All cutting edges to be bolt on replaceable.

Forks.

Night working lights. 4 front, 4 rear, spot lights with switch in cab.

Item 5 - continued

General Requirement: Two (2) Articulating Wheel Loader, Similar or Equal to Case 721E/XT

Bidder's Exceptions

EQUIPMENT AND ACCESSORIES CON'T: Two brake lamps on rear. All with removable limb guards.

Front and rear fenders.

R H Steps and platform.

L H Steps and platform.

External Battery Booster ports in locked box to deter vandalism.

Forklift attachment – one (1) only

APPROXIMATE DIMENSIONS: Overall length with bucket on ground - 303.4".

Overall width with bucket – 106.3".

Width without bucket – 102.5".

WARRANTY: 3 years for defects in design, materials, or workmanship. The vendor shall provide full machine warranty for parts and labor.

The vendor shall provide full machine warranty for parts and labor.

The vendor shall include all costs, including travel costs, for all related warranty work.

TRAINING: Training for six (6) people and for a minimum of four (4) hours. Training shall be held at the South Hilo Road Baseyard.

Item 6

General Requirement: Extendable Backhoe Loader, similar or equal to Case 590 Turbo Super M

Bidder's Exceptions

ENGINE: Diesel four-cylinder not less than 108 horsepower, turbo charged, fuel injected and water cooled. 12 volt direct electric starting system with minimum 90 amp alternator. Hour meter, pre-cleaner, plus dual stage dry-type air cleaner with service indicator and fuel water separator.

TORQUE CONVERTER: Synchronized four-speed forward, four-speed reverse power shift with power shuttle and differential lock in transaxle; four-wheel drive. speed forward 24.5 mph; reverse 29.5 mph minimum.

AXLES: REAR AXLE - Heavy duty industrial axle with inboard planetary reduction and differential lock.
FRONT AXLE - standard drive 4 wheel mechanical front wheel drive with limited slip differential; electric on/off control; drive shaft guard; sealed axle.

STEERING: Hydrostatic Power steering with emergency manual mode; tilt steering.

BRAKES: Power assisted hydraulic service brakes (conforms to SAE J1473), inboard wet multiple disk, self adjusting & self equalizing. Parking / emergency brakes with electric switch control (conforms to SAE J1473), spring applied, hydraulically released, wet multiple disc; independent service brakes.

WHEELS & TIRES: Manufacturer's standard size for front and rear, full spare included.

ROPS: Cab with air filtration, defogger, heater pressurization, air conditioning anti-freeze to 40° F, with replaceable cab filters, with front and rear wipers, (rollover protective structure) shall meet J394, SAE J 1040 and ISO 3471-1986 FOPS 9 Falling Object Protective Structure) criteria SAE J231 and ISO 3449 1984

Item 6 - continued

General Requirement: Extendable Backhoe Loader, similar or equal to Case 590 Turbo Super M

Bidder's Exceptions

BUCKET: Fully hydraulic, 1.25 cubic yard minimum 2.9 cubic yard maximum, multi-purpose (four-in-one) type; two sections consisting of a rear bulldozer section with cutting edge and front bottom section with cutting edge and no teeth.

BACKHOE: Fully hydraulic with quick detachable attachment coupler and pins with posi-lock; extendable from 15'6" to 19'6" minimum. Include two interchangeable buckets, one 18" & one 24" cutting width all cutting edges to be bolt on with replaceable teeth (detachable).

OUTRIGGERS: Individually controlled, with lockout valve, to prevent drift and street pads.

HYDRAULIC SYSTEM: Transmission mounted pump at 43 gpm at 2200 rpm at 3050 psi. All tractor, loader and backhoe equipment hydraulic extending integral-chassis extendahoe with manufacturer's counterweight to properly and safely balance equipment.

OPERATORS SEAT: Air suspension type full cushion with high back adjustable height, armrest & lumbar support, back and forward. Easy ride cushion with single lever turn around adjustment and attached seat belt adjustable.

ACCESSORIES:

- a. Both dipper and main boom to be full steel box type.
- b. Fully enclosed cab with rollover protection, windshield, electric two speed wipers and washers on front and rear windshield.
- c. Amber strobe light, warning light mounted on top of cab with limb guard, wing nut for quick release.
- d. Hour meter.
- e. Four working lights, two front and two rear. Traveling lights hazardous flashing lights, front and rear. With lamp guard.

Item 6 - continued

General Requirement: Extendable Backhoe Loader, similar or equal to Case 590 Turbo Super M

Bidder's Exceptions

- f. Directional turn signals, front and rear, two combination stop and tail lights.
- g. Interior rear view mirror front and rear- total two each.
- h. Electric horn.
- i. 5 lb. ABC Fire extinguisher mounted at direction of County.
- j. Back-up Alarm.
- k. Slow moving vehicle emblem.
- l. Complete vandalism protection; include key with lock.
- m. Fenders on all wheels.
- n. Engine enclosure cover.
- o. Guards for hoses, boom base, boom cylinders, stabilizer and stabilizer cylinders.
- p. Numerical gauges for speedometer, fuel, ampere, tachometer, water temperature, oil pressure, torque converter, oil temperature and torque converter pressure.
- q. Tool box - minimum 10" x 16" x 24" long with accessory tray, mounted at County direction with hasp for padlock.
- r. Spark arresting muffler, with 45° pipe, cab height
- s. Two electric fans inside cab, front and rear.
- t. Full Skid Plates

Warranty: The vendor shall provide full machine warranty for parts and labor. The vendor shall include all costs, including travel costs, for all related warranty work.

Item 6 - continued

General Requirement: Extendable Backhoe Loader, similar or equal to Case 590 Turbo Super M

Bidder's Exceptions

Training: Vendor shall provide training and demonstration on proper operation of equipment for twenty (20) County employees; to be held at the So Hilo Road Baseyard, Hilo, Hawaii, for a minimum of 4 hours.

Misc: Two each – Operator's Manual, Parts manual, Repair Manual (Electrical, Hydraulic, Engine)

Item 7

General Requirement: Backhoe Loader, similar or equal to John Deere 410G, Cat 430D, 4X4

Bidder's Exceptions

ENGINE: Diesel four-cylinder not less than 92 net horsepower, turbo charged, fuel injected and water cooled. 12 volt direct electric starting system with minimum 65 amp alternator. Hour meter, pre-cleaner, plus dual stage dry-type air cleaner with service indicator and fuel water separator.

TORQUE CONVERTER: Synchronized four-speed forward, three-speed reverse power shift with power shuttle and differential lock in transaxle; four-wheel drive. speed forward 20.5 mph; reverse 15.0 mph minimum.

AXLES: REAR AXLE - Heavy duty industrial axle with inboard planetary reduction and differential lock.
FRONT AXLE - mechanical front wheel drive with limited slip differential; electric on/off control; drive shaft guard; sealed axle.

STEERING: Hydrostatic over steering emergency manual mode; tilt steering.

BRAKES: Power assisted hydraulic service brakes (conforms to SAE J1473), inboard wet multiple disk, self adjusting & self equalizing. Parking / emergency brakes with electric switch control (conforms with SAE J1473), spring applied, hydraulically released; wet multiple disc; independent service brakes.

WHEELS & TIRES: Manufacturer's standard size for front and rear, full spare included.

WEIGHT: Operating weight with hammer not less than 20,000 lbs.

Item 7 - continued

General Requirement: Backhoe Loader, similar or equal to John Deere 410G, Cat 430D, 4X4

Bidder's Exceptions

ROPS: Cab with air filtration, defogger, heater pressurization, air conditioning anti-freeze to 40° F, with front and rear wipers, (rollover protective structure) shall meet J394, SAE J 1040 and ISO 3471-1986 FOPS 9 Falling Object Protective Structure) criteria SAE J231 and ISO 3449 1984

BUCKET: Fully hydraulic, 1.25 cubic yard minimum, 2.9 cubic yard maximum, multi-purpose (four-in-one) type; two sections consisting of a rear bulldozer section with cutting edge and front bottom section with replaceable teeth (detachable). All cutting edges to be bolt on replaceable.

BACKHOE: Fully hydraulic with quick detachable attachment coupler and pins with posi-lock. Include two interchangeable buckets, one 18" & one 24" cutting width with cutting edge and replaceable teeth (detachable). Digging depth 15'6" minimum.

OUTRIGGERS: Individually controlled, with lockout valve, to prevent drift and street pads.

HYDRAULIC SYSTEM: Front mounted, positive displacement, gear type, tandem pump. 31 gpm at 2200 rpm at 2750 psi. All tractor, loader and backhoe equipment with manufacturer's counterweight to properly and safely balance equipment.

OPERATORS SEAT: Deluxe suspension type full cushion with high back adjustable height, back and forward. Easy ride cushion with single lever turn around adjustment and attached seat belt adjustable.

ACCESSORIES:
a. Both dipper and main boom to be full steel box type.

Item 7 - continued

General Requirement: Backhoe Loader, similar or equal to John Deere 410G, Cat 430D, 4X4

Bidder's Exceptions

ACCESSORIES

Con't:

- b. Fully enclosed cab with rollover protection, windshield, electric two speed wipers and washers on front windshield.
- c. Amber strobe light, warning light mounted on top of cab with limb guard, wing nut for quick release.
- d. Hour meter.
- e. Four working lights, two front and two rear. Traveling lights hazardous flashing lights, front and rear. With limb guard.
- f. Directional turn signals, front and rear, two combination stop and tail lights.
- g. Interior and exterior rear view mirror left and right side total four each.
- h. Electric horn.
- i. 5 lb. ABC Fire extinguisher mounted at direction of County.
- j. Back-up Alarm.
- k. Slow moving vehicle emblem.
- l. Complete vandalism protection; include key with lock.
- m. Fenders on all wheels.
- n. Engine enclosure cover, vandalism protection.
- o. Guards for hoses, boom base, boom cylinders, stabilizer and stabilizer cylinders.

Item 7 - continued

General Requirement: Backhoe Loader, similar or equal to John Deere 410G, Cat 430D, 4X4

Bidder's Exceptions

ACCESSORIES

Con't:

- p. Numerical gauges for speedometer, fuel, ampere, tachometer, water temperature, oil pressure, torque converter, oil temperature and torque converter pressure.
- q. Tool box - minimum 10" x 16" x 24" long with accessory tray, mounted at County direction with hasp for padlock.
- r. Spark arresting muffler, with 45° pipe, cab height
- s. Air conditioning inside cab.
- t. Full Skid Plates

Hammer Unit – similar or equal to TB-625X, CAT H-95E

1. Minimum impact energy class of 817 ft. lbs.
2. Operating range: 1450 – 2320 psi.
3. Hydraulic flow range 18 - 26 gpm.
4. Hammer has only two moving parts.
5. Constant energy per blow.
6. Ability to easily reduce energy per blow by lowering gas pre-charge.
7. Variable frequency – adjustable by varying flow or engine throttle.
8. Operating weight not to exceed 1,600 lbs.
9. Tool diameter (minimum 3.75 in.), non-spinning type.
10. Tool shape – conical shape.
11. Hammer shall be flow regulated design (not pressure regulated).
12. Installation kit to include steel tubing for the boom and stick.
13. Easily replaceable tool bushings (no special tools or liquid nitrogen).
14. Easily replaceable tie rods (does not require disassembly of hammer).
15. Hammer shuttle valve to be external "bolt-on" for ease of servicing.

Item 7 - continued

General Requirement: Backhoe Loader, similar or equal to John Deere 410G, Cat 430D, 4X4

Bidder's Exceptions

Hammer Unit – similar or equal to TB-625X, CAT H-95E – con't

16. Tool box with wrenches included for connect/disconnect of hammer unit.
17. No hammer –mounted bladder type accumulators.
18. Recommended carrier weight 18,000 – 40,000 lbs.
19. Striking rate min. – 600, max. – 900 (bpm).
20. Hydraulic Hammer unit must be compatible: Weight of hammer unit to backhoe unit. Sufficient hydraulic flow to hammer unit.
21. Recommended lubricants for hydraulic hammer.
22. Vendor to supply operator and parts manuals – 2 complete sets required.
23. Vendor to supply 2 extra hammer tool – 1 four sided moll; 1 conical shape.
24. Vendor to supply quick attach coupler for hammer unit; its hoses; and backhoe bucket – all to be compatible and interchangeable; threaded plugs for hoses.

Warranty: The vendor shall provide full machine warranty for parts and labor.

The vendor shall include all costs, including travel costs, for all related warranty work.

Training: Vendor shall provide training and demonstration on proper operation of equipment for twenty (20) County employees; to be held at the So Hilo Road Baseyard, Hilo, Hawaii, for a minimum of 4 hours.

Accessories: Two (2) computers with software and accessories as required to perform engine diagnostics with all necessary components.

Operator and part's manuals must also be provided with machine, three (3) sets each required. Parts/repair manuals for hammer unit to include accumulator charge hose and adapter kit.

Item 8

General Requirement: Trailer, Latest Model Similar or Equal to Trail King TK 110SA, Advantage Series Sliding Axle

Bidder's Exceptions

Features:

3 – 22,500 lb. axles, 50" spacing

12 $\frac{1}{4}$ " x 7 $\frac{1}{2}$ " ABS 4S2m air brakes

255/70R22.5 radial tires, 8-hole pilot mount disc wheels

6 steel rims

9'10" upper deck

16" kingpin setting with 80" swing clearance

Air ride suspension with lowering kit

2 tool boxes in upper deck

48' overall length with manufacturer's deck height

8'11 $\frac{1}{2}$ " deck width – not to exceed 9'

9" swing outrigger 16 pairs with boards shipped loose

6 $\frac{1}{2}$ degree swing load

Hydraulic sliding axles

No traveling hydraulic lines for sliding axle operation

Air & electrical lines contained in protective track

Tilting main deck – forms a ramp to upper deck

Solid knife edge approach

20,000 lbs. hydraulic winch (mounted on front of upper deck ilo std.)

Item 8 - continued

General Requirement: Trailer, Latest Model Similar or Equal to Trail King TK 110SA, Advantage Series Sliding Axle

Bidder's Exceptions

2 each - 3 function, 6 button wireless remote control for winch, axles & deck tilt

2 speed park stands

Recessed D-rings, 9 each on each side, not to exceed 9' width

1/4" floor plate over approach plate

4-beam main frame construction

4 I-beam crossmembers on 12" centers in main deck

3" x 5" tube crossmembers on 16" centers in wheel area

70,000 lb. load capacity in 16', 110,000 lbs. overall capacity

1 3/8" apitong deckings

Rubber mounted sealed lights & harness system per D.O.T. regulation

Mid-turn signal/clearance light

Rear mud flaps

Paint – yellow with 2 coats primer, rust prevention

Trailer plumbed for P.T.O. hydraulics to County requirement – male, female electrical, air

1 each spare tire with rim (full-size)

Vandalism proof

Item 8 - continued

General Requirement: Trailer, Latest Model Similar or Equal to Trail King TK 110SA, Advantage Series Sliding Axle

Bidder's Exceptions

Other:

2 each repair manuals

2 each operations manuals

Fire extinguisher – 10 lbs., mounted in location designated by County

Decking:

Rumber, laid lengthwise.

Training:

Vendor shall provide training on the operation & maintenance of trailer – 2 to 4 hours for 6 employees (to be held at the County's South Hilo Road Baseyard)

Warranty:

The vendor shall provide full machine warranty for parts and labor. The vendor shall include all costs, including travel costs, for all related warranty work.

Additional Manuals:

Repair, Parts and Diagnostics manuals for ABS system, two (2) each.

Item 9

General Requirement: Tilt Trailer, Zieman 2347, Deck Over Wheels

Bidder's Exceptions

G.V.W.R.: 44,820 lbs. at 55+ M.P.H.

Payload Capacity: 35,520 lbs. at 55+ M.P.H.

Trailer Weight: 9,300 lbs.

Hitch Weight: 8,500 lbs. required at MAXIMUM payload capacity. Any reduction of the payload below the maximum will reduce the required hitch weight accordingly.

Overall Width 102 inches.

Overall Length: 30 feet, 7 inches.

Tongue Length: 6 feet, 7 inches.

Deck Length: 24 feet

Deck Width: 102 inches.

Deck Height: 35 inches (loaded).

Hitch Height: 22 to 31 inches, adjustable in 2 1/4" increments.

Tilt Angle: 11.5 degrees.

Decking: Rumber, 2 1/2" x 12", laid lengthwise.

Hitch: 3" I.D. alloy steel lunette eye. Attached to a drilled plate with four 3/4" diameter grade 8 bolts and grade c locknuts.

Axles: Two (2), 22,500 lb. rated each.
5" O.D. x 0.440" wall tube with oil hubs and Stemco or equal seals.

Brakes: 12.25" x 7.5", S-cam straight air drum brakes on all wheels.
All brake systems include emergency breakaway protection.
Also includes antilock brake system 2S/1M.

Item 9 - continued

General Requirement: Tilt Trailer, Zieman 2347, Deck Over Wheels

Bidder's Exceptions

Tires: Nine (9) 215/75R17.5, Test Index H. Tubeless, steel belted radials.

Wheels: Eight (8) 17.5 x 6.75, steel disc with 10 lugs on an 8 3/4" diameter bolt circle.

Suspension: Four (4) Hutch 9700 or equal tandem 2-leaf slipper springs with load-equalizers. 44,800 lb. rating.

Tilt Cylinder: Two (2) 3" x 16" with internal oil transfer, with 2 extra spare cylinders.

Tie Down Rings: Five (5) D-Rings per side. 1" diameter stock.

Headboard: 5" channel headboard, reinforced extra strength.

Tougue Jack: Brinkley Retractable or equal, two speed crank type with 25,000 lbs. rating and a 12" quick-retract leg.

Safety Chain: Two (2) 1/2" High Test chain (Grade 70) with safety hooks. Crossover type.

Electrical Plug: A.T.A. Standard 7-way - 7-pole, round pin trailer socket.

Lighting: L.E.D., 12 volt, to D.O.T. standards.

Structural: Steel, A-36 structural Grade construction and engineered to exceeding G.V.W. rating capacity.

Deck main rails: 10" x 19 lb. I-beams

Deck side rails: 8" x 11.5 lb. Channels

Crossmembers: 5" x 2" x 3/16" wall tube & 5" x 6.7 lb. Channels

Drawframe rails: 14" x 26 lb. I-beams

The crossmembers are pierced through the main rails for greater rigidity.

Bumper: 4" square tube bumper, approx. 21" from the ground.

Item 9 - continued

General Requirement: Tilt Trailer, Zieman 2347, Deck Over Wheels

Bidder's Exceptions

Accessories: 1 – 12 Ga. 12" x 12" x 24" weatherproof toolbox with hasp and hinged door – box mounted onto trailer.

Spare rim and tire as specified mounted onto trailer.

Three (3) sets repair, parts, operating manuals.

Warranty: Five (5) year warranty against defects in materials and workmanship.

The vendor shall provide full machine warranty for parts and labor.

The vendor shall include all costs, including travel costs, for all related warranty work.

SPECIAL PROVISIONS

1. All bids shall be made on the blank form of the proposal annexed hereto and shall be signed by the bidder with his business address and telephone number. All pages of the proposal, specifications and these special provisions, including any referenced exhibits should be returned with the bid proposal.
2. Whenever an article, product, or equipment is specified by the manufacturer, number, brand, or trade name, it is understood that the words "or equal" follow thereafter. The burden of proof of equality shall be on the Contractor and the decision of the Director of Finance shall be final.
3. Bid prices shall be inclusive of all applicable taxes, including General Excise and Use Tax.
4. The County reserves the right to delete, decrease or increase any individual item or items if required to do so in relation to funds available or any other reason, and by mutual agreement, to purchase additional items for up to one year following bid opening at prices listed herein. The County also reserves the right to negotiate with low bidders for additional units with slightly different configurations and/or accessories.
5. The County reserves the right to reject any and all bids and to accept the bids in whole or in part as best suited in the interest of the County, giving due consideration to price, quality of product and proven dependability and ability of each bidder with respect to ability to serve the County.
6. Delivery date will be calculated from the official commencement date, which shall be either the date of the "Notice to Proceed" or the date of the Purchase Order.
7. No bid bonds or performance bonds will be required for this IFB.
8. When the word "Standard" is used in the Specifications to describe an item of equipment or an assembly, it shall be construed to mean that the item or assembly so described shall be the regular current product of the manufacturer thereof identified by a model or other designation without modification or omission of any of its usual parts or the substitution of others therefor, except as hereafter specified; and the details, capacities and ratings shall conform in every respect with the said manufacturer's catalog or other printed matter describing the items or assembly. "Standard" sub-assemblies, accessories, fittings and finishes shall be construed to be those which are regularly

furnished as part of the principal unit or assembly and included in the selling price thereof.

9. The Director of Finance reserves the right to waive and/or accept any minor deviations from specifications, if in his/her opinion, such waiver will be in the best interest of the County and that such waiver shall not affect in any way the standards or performance, operations, capacities or quality of the equipment offered.
10. All bids received will be time-stamped and deposited in the locked bid box of the Purchasing Division until the hour of bid opening. Bids that are mailed in must arrive in the Purchasing Division before the time of opening; bids received after the hour of opening will be returned unopened to bidder. Bidder shall be solely responsible for the timely arrival of its bid. Facsimile copies of bids may be accepted with prior approval of the Purchasing Agent should there be good reason for delay. Facsimile transmission should include only relevant proposal pages (not pages showing "no bid"), the signature page, the bid bond if required, and any exceptions to specifications. The County of Hawaii will not be responsible in any way for errors in transmission or failure to receive the fax bid in a timely manner, nor will the County guarantee that the fax bid has remained completely confidential. Complete original signed bid must be received within five (5) working days of the bid opening if prior permission to submit a fax copy or otherwise incomplete bid has been granted
11. The bidder shall list on a separate sheet of paper any variations from, or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "Exceptions(s) to Bid Conditions and Specifications," and shall be attached to the bid at the front. Bidder should indicate "yes" to the right of each listed specification if the vehicle being bid exactly meets the specification or includes the requested option. Bidder should indicate "no" to the right and reference the item number and specification number on his exception list, regardless of whether the specification is deficient or exceeds listed criteria. HOWEVER, ALL BIDDERS ARE CAUTIONED THAT ANY EXCEPTIONS TO ANY SPECIFICATION, SPECIAL PROVISION, GENERAL CONDITION OR THE PROPOSAL ITSELF WILL IN ALL LIKELIHOOD RESULT IN THE BID BEING REJECTED IN ACCORDANCE WITH 3-122-33, HAR, AND 3-122-97, HAR. The only acceptable exceptions are those which are, solely in the opinion of the County, totally inconsequential to the performance, characteristics, quality or utility of the requested item, or are of the nature of correcting typographical errors in bid documents or allowing exception when a specification clearly cannot be met by any bidder or is in conflict with another specification.

Bidders wishing to take any other exception or requesting a clarification or interpretation regarding any part of the bid document must submit their request in writing on or before the deadline date provided in the Notice to Bidders and receive written clarification or authorization for such change or have an addendum applicable to all bidders issued.

12. All bids must be submitted with all necessary specifications and brochures properly annotated identifying all applicable data regarding the vehicles being offered; bids which fail to do so may be rejected.
13. Awards exceeding \$25,000.00 will require formal contracts. Awards to be made to lowest responsible bidder for each individual item; bidders need not be on all items.
14. On out-of-state bids or purchases where the bidder or vendor is an out-of-state vendor not doing business in the state, the package bid or purchase price, for the purpose of determining the lowest price bid, shall be increased by four (4%) percent. The lowest responsible bidder taking into consideration the above increase, shall be awarded the contract but the contract amount shall be the bid offered and not include the amount of said increase.
15. Bid price quotation shall be F.O.B. destination and delivery of all items, except as otherwise noted, shall be to Automotive Division, 630 E. Lanikaula Street, Hilo, Hawaii. Contractor shall be responsible for properly registering (if applicable) all vehicles with the County Treasurer's Office.
16. County will allow a maximum of 210 calendar days after the "Notice to Proceed" or "Purchase Order" is issued for delivery of items. County may reject any bid failing to promise delivery within that time or accept bid depending on County's best interest.
17. A representative of the manufacturer shall supervise the complete delivery and shall be required to capably operate the vehicle during tests and instruct representative of the County as to proper maintenance procedures common to each vehicle.
18. Any contract entered into as a result of this bid proposal shall be signed by a person authorized to sign and be duly notarized. Additionally, if the Contractor is a partnership or corporation, a copy of the appropriate partnership or corporation resolution authorizing that individual to enter into contracts on behalf of the partnership or corporation shall be provided by the contractor with its executed contract.

19. All potential bidders, particularly those not located within the State of Hawaii, are advised to be familiar with chapter 437, Hawaii Revised Statutes, and are further advised that they may be required to be licensed under that chapter in order to deliver vehicles with the State of Hawaii.
20. Any protest regarding procurement law or procedure shall strictly follow the procedure described in Chapter 126, Hawaii Administrative Rules, Department of Accounting and General Services, Subtitle 11, Procurement Policy Board. All protests must be filed in writing to Mrs. Nancy Crawford, Chief Procurement Officer, County of Hawaii. It shall be the responsibility of any protester to review all public documents relating to this IFB or RFP and his or any other vendor's contract award within five (5) working days after the aggrieved person knows or should have known of the facts giving rise to the protest, became available for public inspection and file all protests within that period. Any protest regarding the content of this solicitation must be properly filed prior to the date set for the receipt of offers. While the County may make efforts to notify all participants of awards, failure to receive such notification shall not relieve any aggrieved bidder of their responsibility of reviewing public records on a timely basis, and filing their protest within five (5) working days of the date posting of the award of the contract.

No other action or proceeding involving this contract shall be commenced by either party except in the Circuit or District Courts of the Third Circuit, County of Hawaii, State of Hawaii; nor shall any action commenced in such court be removed or transferred to any other State or Federal Court.

21. **GENERAL CONDITIONS, CONTRACT AND BOND FORMS**

The "General Terms and Conditions for Goods and Services," including exhibits of appropriate contract and bond documents, dated July 1, 1994, shall be a part of any contract entered into as a result of this proposal. All bidders are responsible to be familiar with these general terms and conditions, a copy of which is on file at the Purchasing Division and will be made available to any interested person upon request at no charge. Where any conflict might appear, these Special Provisions shall have precedence over the General Terms and Conditions and the Specifications of this bid shall have precedence over either.

22. Trade in vehicles will be available for inspection at the Hawaii County Automotive Equipment Division, 630 Lanikaula Street, Hilo, or other locations throughout the island prior to bidding (see exhibit following these special provisions for more detail on vehicles to be traded). All trade-in allowances will be accepted or rejected at the option of the County and shall be on an "as is" basis. The trade-in vehicles will be in use while

awaiting delivery of bid items; in the event a substantial change in the operational or physical condition of any of the vehicles occurs, a new trade-in value may be negotiated. County reserves the right to decline trade-in and/or sell vehicle at public auction prior to delivery of replacement. The County may offer these vehicles for public auction after award of bids but before delivery of new items. In that event, trade-in offers will NOT be made available to the general public prior to bidding as "upset" prices.

23. In the event that factory close-out dates preclude Contractor's from entering orders for current model year, the County of Hawaii reserves the right to negotiate with Contractor, based on manufacturer's cost to contractor, for the next available model year, or cancel the contract without penalty and seek new bids.
24. Liquidated damages, per section 6.12 of the General Terms and Conditions for Goods and Services, dated July 1, 1994, shall be assessed at one-tenth of one percent (0.1%) for each day of delay for delivery and/or warranty unavailability.
25. All bidders must supply name and location of service facility located on the island of Hawaii which will be responsible for repairing/replacing warranty items and providing service in the event they are awarded a contract. This service facility must have adequate bay space to service any vehicle for which a bid is submitted, a staff of full-time service employees who are professional mechanics shall be available to provide adequate service, a minimum parts inventory of \$10,000.00 value and a minimum equipment value whose depreciated value exceeds \$100,000.00. Bids which fail to name such a facility may be rejected as non-responsive.
26. Award will be to lowest responsible bidder for each individual item. Award for items utilizing EPA gas mileage "life-cycle" costing will be made to the bidder whose bid results in the lowest total cost of ownership to the County, computed in accordance with the criteria listed herein. Cost of ownership is defined to include acquisition cost (AC) and operating cost (OC) as measured by the fuel cost for the projected usage period of 75,000 miles. Based upon mileage figures published by the Environmental Protection Agency (EPA) for the applicable model year vehicles, the following equation will be used:

TOTAL COST OF OWNERSHIP = AC + OC,

Where: AC = Bid Price per Vehicle,

OC = 75,000

EPA Rate x Gasoline Cost (\$2.90/gal.)

City and highway figures will be added and divided by two to arrive at EPA average for bid evaluation purposes. In the event no EPA ratings exist for a particular vehicle, bidder shall so indicate and mileage rating shall not be used in the evaluation. Bidder shall include a copy of the EPA mileage booklet, marked to identify each item number being bid, with the bid.

27. It is understood and agreed that any services to be provided in accordance with the terms of this contract may be terminated immediately, in whole or in part, upon a finding by the County that the services must be provided by public employees pursuant to Civil Service Laws or that such services will be discontinued. It is further understood that should such a finding be made, the County will not be liable under this contract for any resulting damages, and such a termination will not be considered a breach of this agreement.
28. **RESPONSIBILITY OF OFFERORS:**
Offeror is advised that if awarded a contract under this solicitation, for any single item exceeding \$25,000.00, Offeror shall, upon award of the contract, furnish proof of compliance with the requirements of §3-122-112, HAR:
 1. Chapter 237, tax clearance;
 2. Chapter 383, unemployment insurance;
 3. Chapter 386, workers' compensation;
 4. Chapter 392, temporary disability insurance;
 5. Chapter 393, prepaid health care; and
 6. One of the following:
 - a. Be registered and incorporated or organized under the laws of the State (hereinafter referred to as a "Hawaii business"); or
 - b. Be registered to do business in the State. (hereinafter referred to as a "compliant non-Hawaii business").

Refer to the Method of Award provision herein for instructions on furnishing the documents that are acceptable to the State as proof of compliance with the above-mentioned requirements.

29. **METHOD OF AWARD**
Award will be made to lowest responsible bidder on a per item basis, bidders need not bid on all items. If savings can be realized, bidders may offer an "all-or-none" bid for groups of items in addition to the item prices they propose, based upon being awarded more than one item and being able to order and ship all simultaneously. If the "all-or-

“none” bid of any bidder is lower than the combined total of the lowest respective individual item bids by all bidders and funds are available to complete the order at the quantities listed, the “all-or-none” award may be made.

Reference Responsibility of Offerors in §3-122-112, HAR. Offeror shall produce documents to the procurement officer to demonstrate compliance with this section.

Prior to completion of contracts the following requirements must be met.

Effective July 1, 2011, the Governor of Hawai'i signed Act 190 into law, which requires compliance documentation for awards of \$2,500 or more:

All vendors doing business with the State or County are required to comply with all applicable statutes, administrative rules and procedures. State or County agencies must verify compliance prior to award. Acceptable verification is through Hawai'i Compliance Express (HCE). Vendors wishing to do business with the State or County must register in HCE and be in compliance.

HCE is a one-stop online program where vendors verify and manage their compliance. Once a vendor is registered, HCE provides the following proof of compliance/compliance documentation:

Certificate of Good Standing (COGS) from the Department of Commerce and Consumer Affairs (DCCA) Business Registration Division

Tax clearances (federal and state) from the Department of Taxation (DOTAX)

Compliance with HRS Chapters 383 Hawai'i Employment Security Law (Unemployment Insurance), 386 (Worker's Compensation law), 392 Temporary Disability Insurance and 393 Prepaid Healthcare Act, from the Department of Labor and Industrial Relations (DLIR)

There is a nominal fee to subscribe to HCE. Please note that it may take two or more weeks to establish a vendor account in HCE. For more information and to register, see <http://vendors.ehawaii.gov>.

Final Payment Requirements. Contractor is required to submit a tax clearance certificate for final payment on the contract. A tax clearance certificate, not over two months old must accompany the invoice for final payment on the contract.

30. **NON-DISCRIMINATION IN COUNTY CONTRACTS:** Pursuant to Executive Order No. 142, County of Hawai'i, dated February 11, 2005: During the performance of this contract, the contractor agrees as follows:

- a. The contractor shall comply with all requirements set forth in Federal and State laws and regulations relative to Title VI of the Civil Rights Act of 1964, as amended, which provide for non-discrimination in Federally assisted programs.
- b. The contractor shall not discriminate against any employee or applicant for employment because of race, ancestry/national origin, religion, color, disability, age, marital status, military status, veterans' status, sexual orientation, lactation, arrest and court record, citizenship, or any other classification protected by state or federal law. The contractor shall assure that applicants are employed and that employees are treated during employment without regard to race, ancestry/national origin, religion, color, disability, age, marital status, military status, veteran's status, sexual orientation, lactation, arrest and court record, citizenship, or any other classification protected by state or federal law. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training. The contractor agrees to post in conspicuous places notices to be provided by the contracting officer setting forth the provisions of the nondiscrimination clause.
- c. The contractor shall in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants shall receive consideration for employment without regard to race, ancestry/national origin, religion, color, disability, age, marital status, military status, veteran's status, sexual orientation, lactation, arrest and court record, citizenship, or any other classification protected by state or federal law.
- d. In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract, this contract may be canceled or suspended in whole or in part and the contractor may be declared ineligible for further County contracts until such time that the contractor by satisfactory evidence, in good faith, ceases such discriminatory practices or procedures.
- e. The contractor who subcontracts any portion of the contract shall assure the County that such subcontractor shall abide by the nondiscrimination provisions stated herein and agrees that any subcontractor who is found in violation of such provisions shall subject the principal contractor's contract with the County to be terminated or suspended pursuant to Section (d) above.
- f. The County may direct any bidder, prospective contractor, or subcontractor to submit a statement in writing signed by an authorized officer, agent, or employee of the contracting party that the signer's practices and policies do not discriminate on

the grounds of race, ancestry/national origin, religion, color, disability, age, marital status, military status, veteran's status, sexual orientation, lactation, arrest and court record, citizenship, or any other classification protected by state or federal law, and that the terms and conditions of employment under the proposed contract shall be in accordance with the purposes and provisions stated herein.

31. **Non-Debarment Requirements**

The contractor shall certify that they were not debarred by the State of Hawaii or the United States Federal government at the time of bidding. And will further certify that the company/individual shall immediately notify the County of Hawaii should their debarment status change anytime during the agreement period. All bidders should complete the Non-Debarment Certificate of Compliance included herein.

32. **Campaign Contributions by State and County Contractors Prohibited**

If awarded a contract in response to this solicitation, offeror agrees to comply with HRS §11-355, which states that campaign contributions are prohibited from a State and county government contractor during the term of the contract if the contractor is paid with funds appropriated by the legislative body between the execution of the contract through the completion of the contract.