STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS

ADDENDUM NO. 1

for

FURNISHING AND DELIVERING MOTOR VEHICLES AND EQUIPMENT
ISLANDS OF OAHU, HAWAII, MAUI AND KAUAI
PROJECT NO. HWY-CM-23-01, SOLICITATION NO. B23002672
MAY 23, 2023

The following amendments shall be made to the Bid Documents:

A. SPECIFICATIONS

i. Replace Section 18 dated 03/14/23 with the attached Section 18 dated r05/23/23.

ii. Replace Section 34 dated 03/14/23 with the attached Section 34 dated r05/23/23.

iii. Replace Section 45 dated 03/14/23 with the attached Section 45 dated r05/23/23.

The following is provided for information:

B. RESPONSES TO REQUEST FOR INFORMATION (RFI'S/QUESTIONS)

i. The attached Response to Request for Information is provided for information.

Please acknowledge receipt of this Addendum No.1 by recording the date of its receipt in the space provided on page PF-4 of the Proposal.

ROBIN K. SHISHIDO
Highways Deputy Director

SECTION 18 - CAB/CHASSIS WITH AERIAL AND UTILITY BODY

18.1 SCOPE OF WORK - The work consists of furnishing and delivering one (1) only, Cab/Chassis with Aerial and Utility Body to the island of Oahu. The Contractor shall present the vehicle complete, ready to use, and fully operational.

18.2 CAB/CHASSIS WITH AERIAL AND UTILITY BODY - The Specifications contained herein establish minimum standards (unless stated differently). Vehicle offered shall include any other standard features not listed but detailed in manufacturer's brochures and deemed necessary for proper and safe operation of vehicle.

DETAILED SPECIFICATION FOR A CAB/CHASSIS WITH AERIAL AND UTILITY BODY

1. Model/Year: International, GMC, Ford, or equal, 2023 or latest production.
2. GVW Rating: 8,164.8 kg (18,000 lbs.) capacity minimum.
3. Wheel Base: 3,860.8mm (152 in.) minimum.
4. Cab to Axle: 2,133.6mm (84 in.) maximum.
5. Engine:
    a. Diesel powered, wet sleeved engine or dry sleeved engine with seven (7) year unlimited mileage warranty.
    b. Liquid cooled with deaeration system with tank and sight glass, full radiator guard.
    c. Six (6) cylinder minimum.
    d. Net horsepower 156.59 kW (210 HP) minimum, at rated RPM.
    e. Fuel water separator (Racor Model 21000) or manufacturers equal. Fuel tank 151.4L (40 gal.) minimum.
    f. Exhaust, single horizontal muffler with short tail pipe or manufacturer standard.
    g. Hour meter and tachometer.
6. Differential: Locking/limited slip.
7. Frame:
    a. Steel channel type.
    b. 36,000 psi, minimum.

8. Transmission:

   a. Allison AT545, 4-speed or equal.

   b. PTO/Clutch Pump for aerial unit operation.

   c. Automatic transmission oil temperature gauge.

9. Electrical:

   a. Twelve volt system with dual batteries.

   b. 150 AMP minimum alternator, capable of charging at low engine speeds.

   c. Color coded wiring or continuously numbered.

   d. Circuit breakers at main panel to replace all fuses except instrument cluster feed.

10. Steering: Powered.

11. Brakes:

   a. Hydraulic system.

   b. Antilock Brake System - full vehicle wheel control.

   c. Parking Brake System.

   d. Four wheel disc brake system.

12. Wheels/Tires:

   a. Seven (7) each; single front, dual rear, spare.

   b. Tires - 225/70 R 19.5 load rating F.

   c. Wheels – 19.5 x 6.0, disc painted steel 10-stud with steel hubs.

13. Axle:

   a. Front-· 3,175.2 kg (7,000 lbs.) minimum.

   b. Rear - 6,123.6 kg (13,500 lbs.) minimum.

14. Springs:

   a. Front - 3,175.2 kg (7,000 lbs.) minimum with shock absorbers.

   b. Rear· 6,132.6 kg (13,500 lbs.) minimum.

c. Manufacturer's standard auxiliary springs.

d. Heavy duty shock absorber (front and rear).

15. Cab

a. Aluminum/steel conventional cab. With seven (7) year unlimited warranty.

b. Complete head lining.

c. Clear safety glass on rear window (full width).

d. Full width bench seat or split bench, seat belt for three (3) people.

e. Steps and grab handles located on both sides of cab.

f. Floor mats.

g. Sun visor, driver and passenger.

h. Factory installed air condition.

i. Vinyl upholstery.

j. AM/FM radio, factory installed.

k. Dual exterior powered rear view mirrors (backs/brackets shall be aluminum/stainless steel, or non-corrosive composite type, 152.4mm x 406.4mm (6 in. x 16 in.) minimum. West Coast type or equal with convex bottom section. Interior mirror (day/night type).

l. Rain guards on both doors.

m. The lightbar system shall be a Whelen model FX0HIDOT or equal. The bar shall be sixty (60) inches long minimum. The main structure of the lightbar must be an extruded aluminum I-Beam design. The lightbar shall house all electronic components. The lightbar must have Hi/Low power control of all inboard LED modules. The lightbar shall contain one (1) control module I/O boardwhich must control all internal lightheads. The I/O board shall produce a minimum flash rate of 75 Comet flashes per minute with alternating comers, not an "x' pattern. There shall be ten (10) Scan Lock flash patterns to choose from. Each pair of LED lamps must be capable of operating in a different flash pattern. The lightbar shall have all linear LED modules and shall meet SAE-J845 Class I and SAE-J595 requirements. The lightbar shall have linear LED modules in the four corners.

Each linear 18 corner module shall consist of a minimum of eighteen (18) high output LED's permanently mounted within a single dual (over/under) "removeable" highly mirrored parabolic reflector for maximum light output.

The eighteen (18) LED's shall be mounted in two straight lines of 9 LED's each (over/under) for maximum light output. The linear reflector shall extend to the MR11 alley light with no appreciable open gap between the LED module on the alley light. The LED work light must be the same size module as used for the warning lights, but must consist of two staggered rows of six Super LED's and be able to flash and steady burn. All LED panels shall be the same design as the Linear 18 described above, and must contain 12 Super LED's (6 over 6). All inboard lightheads must be 400 Series (this will allow for placement of this lighthead in any inboard position). All LED inboard modules must produce a minimum 180 degree light pattern. The I/O module shall be I100% solid state with built-in reverse polarity protection and output short protection. The I/O board shall operate from 10 – 16 VDC with no degradation in flash rate. The lightbar shall be designed to have up to eight (8) lamps to the front, eight lamps to the rear, and one (1) on each end. Each lamp module position shall have colored lens sections, independent of the others, that match the color of the LED module. For split modules, clear lenses must be used. The LED panel must be mounted within the lightbar. The corner Linear LED's must have a two-intensity cruise light mode. This provides a lightbar that has illuminated corners (no flashing), which are used for marker lights. The user shall have a choice of ten (10) Scan- Lock flash patterns to choose from the LED modules, and four (4) Scan-Lock flash patterns for the flashing work lights and flashing alleys. The pattern must be selected by an external connection, not requiring the user to open the lightbar to change flash patterns.

The light bar shall have: Front - Two (2) Corner Linear18's (amber), Eight (8) inboard Linear12 LED's (6 amber/ 2 white); Rear - Two (2) Comer Linear 18's (amber), Six (6) Inboard Linear12 LED's (4 amber/ 2 red), Two (2) Inboard staggered white TIR12 Super-Led modules for use as work lights; Ends - Two (2) MR11 alley lights; Additional, two (2) spare MR11 halogen replacement bulbs.

The light bar shall be wired to function as follows: All Amber warning LED's; All white warning LED's and flashing LED work light; Left Alley; Right Alley; Flashing Alley; LED Work light, steady; Hi/Low power. All switches shall be lighted type and mounted within a console attached to the dash or mounted as part of OEM console, with provisions to mount an external radio system. Lightbar power cable must be brought to the power source with a fuse (thermal circuit breakers shall be rejected). Power cable shall be labeled with a permanent label at the power source, marked "Lightbar". All cable and wiring shall be conduit protected and shall use grommets through sheet metal panels.

Note: The rear bar red LED's must be wired to the OEM front tum/hazard circuit, for activation with turn signals, and 4-way flasher.

The four corner Linear 18's must be identical and all other inboard lightheads

must be 400 series. All internal lightheads must snap into sliding brackets that are mounted in the lightbar.

The lightbar must contain a maximum of eight (8) screws, four (4) for each end cap to access all internal lightheads. Lightheads that require the removal of more than eight screws to remove all internal lightheads are unacceptable. Lightbars with modules mounted outside of the main lightbar are not acceptable. The lightbar shall contain a permanent mounting kit to prevent theft of the lightbar.

n. Twelve (12) volt power accessory outlet.

o. Rear window guard.

p. Travel height placard, mounted on dash.

q. Air bag for driver side.

16. Body:

a. Aerial Service Line/Step Body, suitable for installing on any chassis with a minimum CA dimension of2,133.6mm (84 in.), built in accordance with standard specifications with dimensions and compartments as specified.

b. Body fabricated from hot-dipped galvanized steel with 100% iron zinc alloy coating or galvannealed steel:

i. Minimum sixteen (16) gauge outside panels.

ii. Minimum fourteen (14) gauge end panels.

iii. Minimum eighteen (18) gauge shelving.

iv. Minimum twenty (20) gauge double panel doors.

v. Minimum twelve (12) gauge galvanneal or tread plate steel door.

vi. Structural channel sub base with 76.2mm (3 in.) cross members.

vii. Minimum fourteen (14) gauge tread plate installed on top of body compartments.

c. Body dimensions: Minimum

i. 3,352.8mm (132 in.) overall length.

ii. 2,362.2mm (93 in.) outside width.

iii. l,092.2mm (43 in.) body height.

iv. 457.2mm (18 in.) compartment depth.

v. l,447.8mm (57 in.) floor width (cargo area).

d. Compartments - left side (driver's side)

i. First vertical - 762mm (30 in.) w. Two (2) adjustable shelves with removable dividers on 101.6mm (4 in.) centers.

ii. Second vertical - 711.2mm (28 in.) w. Two (2) adjustable shelves with removable dividers on 101.6mm (4 in.) centers.

iii. Horizontal - l,168.4mm (46 in.) w. One (I) removable shelf with removable dividers on 203.2mm (8 in.) centers.

iv. Rear vertical - 711.2mm (28 in.) w. Six (6) fixed material hooks.

e. Compartments- right side (passenger side)

i. First vertical - 762mm (30 in.) w. Six (6) fixed material hooks.

ii. Second vertical - 711.2mm (28 in.) w. Six (6) fixed material hooks.

iii. Horizontal- 1,168.4mm (46 in.) w. One (1) removable shelf with removable dividers on 203.2oun (8 in.) centers.

iv. Rear vertical - 711.2mm (28 in.) w. Two (2) adjustable shelves with removable dividers on 101.6mm (4 in.) centers.

v. Through shelf, full length and rear door.

f. Standard Body features:

i. Wheel chock holders, installed one (1) each side in fender panels behind rear wheels, with rubber wheel chocks with metal handles.

ii. All doors full, double paneled, self-sealed wit built in drainage for maximum weather tightness. Steel hinge rod extends entire length of door.

iii. All doors shall have stainless steel or cadium plated flush type, single point locks with recessed handles, included keyed alike locks and two-stage strikers.

iv. All edges either folded or rolled for strength and safety.

v. Door header drip rail at top for maximum weather protection.

vi. Neoprene fenders.

vii. Completely painted; all interior bases and walking surfaces shall be coated with non-skid.

viii. Lights in all compartments, pressure switches on each door, compartment lights wiring through master switch in cab.

g. Custom Features:

i. Galvanized rear extension/bumper tail-shelf 736.6mm (29 in.).

ii. One (1) each cable step. Installed curbside of rear platform extension.

iii. Grab handles curbside of tail-shelf (shall be designed for 3-point contact).

iv. Two (2) each large splash aprons, installed behind rear wheels.

v. Two (2) each large mud flaps/brackets mounted behind rear wheel.

vi. Triangle road safety kit and ten (10) each yellow-green safety glow light sticks. Ten (10) inch size with bipod stands by Omni Glow.

vii. One (1) 2.2 kg (5 lbs.) ABC Dry Chemical Fire extinguisher mounted in first left side compartment.

viii. Lights and reflectors in accordance with FMVSS#l08 modular lighting package, all wiring connections crimped with solderless connectors and enclosed in shrink tube with waterproof sealant. All wire ends are tinned before insertion into plugs. All plug connections are completely sealed and weather proof. Entire assembly is enclosed in a continuous plastic loom to form a one-piece harness. Lighting package is complete with sealed polycarbonate lenses and housings, affording superior impact and heat protection, flush mounted in rubber grommets as follows: two (2) clear back up lights; four (4) red stop/tum/tail lights; seven (7) 63.5 mm (2.5 in.) diameter red clearance lights; license plate light.

17. Aerial Unit:

a. ALTEC AT-35G or AT-37G or latest production or approved equal (shall be approved in writing before bid opening), insulated articulating arm and continuous rotation. Installed behind chassis cab.

b. Front torsion bar- front axle, under frame.

c. Rear torsion bar- rear under frame.

d. Ground to bottom of platform height 10,911.84mm (35.8 ft.) minimum.

e. Working height 12,435.84mm (40.8 ft.) minimum.

f. Maximum reach to edge of platform 8,625.84mm (28.3 ft.) at 3,870.96mm (12.7 ft.) platform height (edge of platform), minimum requirement.

g. Post type pedestal design with large service openings.

h. Continuous rotation provided by worm gear drive, equipped with extended shaft for manual rotation driving a shear ball bearing rotation gear. Provisions for adjusting backlash.

i. Turntable shall have a steel bottom plate, minimum thickness of 25.4mm (1 in.). Bottom of plate shall be machined to ensure flat mounting surface for rotation bearing.

j. The articulating arm shall be designed so that the stress proof articulating arm and lower boom are compensating. Articulating arm shall remain within 457.2mm (18 in.) of side of truck.

k. Lift cylinders shall be one-piece design cast steel on the blind end, which utilizes cartridge type bi-directional counter balance holding valves.

l. Lower boom- fabricated, reinforced steel box structure. Pivot pin of high strength chrome plated steel with self-lubricating replaceable, non-pivot pin metallic bearings.

m. Upper Boom - rectangular filament wound fiberglass, providing a minimum of 203mm (8 in.) of isolation when retracted and 889mm (35 in.) when extended.

n. Upper Boom extension shall be extended and retracted by a double acting hydraulic extension cylinder installed within the booms.

o. Platform is leveled by hydraulic leveling means, contained within _the upper boom and designed to maintain the dielectric integrity of the aerial device. Controls for leveling and tilting the platform shall be located at the platform and at lower control. Leveling system shall include a system to lock the platform in the event of hydraulic line failure. System shall maintain a level platform throughout the full range of boom articulation.

p. Dielectric rating, ANSI, Category C, 46 kV.

q. The control system shall be a full pressure type, operating at 166 BAR (2,400 PSI) maximum. The upper control located at the platform shall consist of a single handle control. This control shall allow the operator to make simultaneous multiple boom movements. An additional separate control shall activate the articulating arm, this control shall be mechanically locked to prevent accidental actuation and should not require the actuation of the trigger

on the single hand control.

Conventional multiple lever ground controls located at the turntable shall include an upper control override.

r. A valve located at the boom tip and easily accessible by the operator without having to remove any covers, allows the lower boom to be lowered in the case of engine/hydraulic system failure.

s. Hydraulic tool circuit control easily accessible to the operator activated the tool circuit to provide 18.9 LPM (5GPM) at 138 BAR (2,000 PSI), One set of HTMA quick disconnect couplings located within a protected location inside the control cover at the platform.

t. Diagnostic pressure test, quick disconnect couplings located at turntable.

u. Two (2) strobe lights (Whelen Model No. 1200 DHAP or equal) mounted one on each side of aerial pivot base arm.

v. "Boom out of Stow" warning light in cab.

w. Engine start/stop control at the platform, and toggle switch at the turntable.

x. Emergency Operating System: Electrical powered, includes pump and motor operated from truck battery, captive air activated, automatic.

y. Basket 159kg (350 lbs.) capacity with 180° platform rotator.

z. Vertical outrigger installed rear of chassis cab. Maximum of 2,171.7 mm (85.5 in.) spread at maximum penetration. Controls located at right and left sides of tail-shelf. Shall have motion alarm switches.

18. Other:

a. Two (2) each safety harness large and lanyards 1,828.8mm (6-ft.) decelerating type (fall protection). To include proper fall protection training consistent to OSHA requirements.

b. Electrical switch panel - coin box style to include truck/equipment switch; hour meter; boom out of stow; strobe flashers.

c. Electrical inverter DC to AC static, 1800 w with duplex (GFI protected outlets mounted at right rear. Two (2) deep cycle batteries group 27,700 CCA, wired in isolation.

d. Work lights, two (2) each 100,000candle power, located at rear of cab and at platform. Battery powered.

e. Hydraulic oil reservoir 56.7 L (15 gal.) minimum capacity, internally mounted

suction filter and gate valve.

f. Boom rest.

g. Front bumper, manufacturer standard with single or dual tow hooks.

h. First service kit shall include all required filters (oil, fuel, air, breather, transmission, etc.).

i. Safety Inspection/PUC Certification, License, Registration and Certificate as required in General Provisions.

j. Complete after factory rustproof with seven (7) year unlimited warranty (complete unit). Applied in accordance with Federal Specifications 297A at its latest revision.

k. Electronic reverse alarm.

l. Road safety triangle kit, and ten (10) each yellow-green safety glow sticks, ten inch size with bipod stand, by Omni Glow.

m. Technical resources - one (1) copy of repair manual, one (I) copy of parts catalog, two (2) copies of operations manual.

n. Color, white high gloss enamel, complete unit. Apply non-skid to all walking surfaces. Shall be outlined with conspicuity material (reflexite or equal) red and white.

o. Complete unit shall be designed to carry a minimum of 907.2 kg (2,000 lbs.) materials/supplies not including driver, passengers, and fluids.

p. First Aid Kit (OSHA approved).

q. Upon "Notice to Proceed", Contractor shall submit "Application" (To State Motor Vehicle Safety Office) to meet the requirements of Section 286-202 (12), Hawaii revised statutes, for approval of a major modification. Construction, or reconstruction of a vehicle with a gross vehicle weight rating (GVWR) of 10,001 pounds and above. Application is available at:

State of Hawaii
Department of Transportation
Highways
Motor Vehicle Safety Office
98-339 Ponohana Place
Aiea, Hawaii 96701

Copy of approved application shall be submitted at time of delivery.

19. Training:

Contractor shall provide proper and safe operation, maintenance of equipment. This training shall include a minimum of one (1) hour classroom and one (1) hour per operator hands on training. This service shall be provided at no additional cost to the State. Contractor shall provide classroom site. Training shall be consistent to OSHA requirements.

Copy of attendance record showing class date, time, location, class type, instructor's name and attendees shall be submitted to:

State of Hawaii Highways
Construction and Maintenance Branch
Attn: Equipment Superintendent/Safety Coordinator
869 Punchbowl Street, Room 404
Honolulu, Hawaii 96813

20. Note:

Bidder(s) shall submit with their bid a certified letter(s), from the manufacturer(s) to certify the prospective bidder as the Factory Authorized Warranty Dealer (letter required for both chassis and equipment). Failure to submit certified letter(s) shall be sufficient grounds for rejection of bid.

SECTION 34 – VIBRATORY ROLLER, 8 TO 10 TON

34.1 SCOPE OF WORK – The work consists of furnishing and delivering one (1) only Vibratory Roller, 8 to 10 Ton to the island of Hawaii. The Contractor shall present the Vibratory Roller, complete, fully operational, and ready to use.

34.2 VIBRATORY ROLLER, 8 TO 10 TON – The specifications contained herein establish minimum standards (unless stated differently). Equipment offered shall include any other standard features not listed but detailed in manufacturer's brochures and deemed necessary for proper and safe operation of equipment.

DETAILED SPECIFICATIONS FOR VIBRATORY ROLLER, 8 TO 10 TON

1. Model/Year: Dynapac CC7200, CAT CB10 or equal, 2023 or latest production year.

2. Type:

   a. Eight (8) to Ten (10) ton.

   b. Vibratory.

   c. Hydrostatic drive.

3. Engine:

   a. Diesel powered, 2023 emissions compliant, Tier 4. Shall be B20 Bio-diesel compatible. Liquid/air cooled.

   b. 120 horsepower minimum.

4. Transmission:

   a. Hydrostatic drive with single level control.

   b. Front and rear drum drive.

   c. Variable speed, 0-5 mph minimum.

5. Electrical:

   a. Twelve (12) volt system.

   b. Alternator capable of charging at low engine speeds.

6. Vibratory system: Direct hydraulic vibration on both drums.

7. Scrapers:

    a. Double acting.

    b. Full width adjustable.

    c. Spring loaded on both drums.

8. Brakes:

    a. Hydrostatic braking system.

    b. Mechanical parking brake system

9. Steering:

    a. Hydraulic system.

    b. Oscillating.

    c. Articulating.

10. Water spray system:

    a. Pressurized.

    b. 43 gal. minimum capacity.

    c. Tank shall be non-corrosive type material.

    d. Water filter to prevent spray nozzle lugging.

    e. Audible or visible low-water alarm to alert operator.

11. Dimensions/weight:

    a. Operating weight 25,000 lbs. minimum.

    b. Centrifugal force per drum 5,000 lbs. minimum.

    c. Frequency 3,000 vpm.

    d. Front drum diameter 44 in. minimum.

    e. Rear drum diameter 44 in. minimum.

f. Front drum width 70 in. minimum.

g. Rear drum width 70 in. minimum.

h. Overall width 90 in. minimum.

i. Overall height 10 ft. minimum.

j. Overall length 15 ft. minimum.

k. Wheelbase 10 ft. minimum.

12. Operator's Station:

a. Single seat with backrest; adjustable; heavily padded; vinyl; Three (3) inch seatbelt.

b. Rollover protection meeting all safety standards.

c. Canopy.

13. Instrumentation and controls:

Engine tachometer, hour meter, ammeter, oil pressure and electrical system charge lights;parking brake light and warning buzzer, hydraulic oil level gauge, manual vibration control switch, rear drum vibration cut-out lever, sprinkler system flow control valve, horn, and reverse alarm.

14. Lights:

a. Front headlights, combination taillight/brake light directional turn signals, rear and side clearance lights.

b. Work lights front and rear.

c. Super LED Beacon with limb guard. SAE Class, Whelen L41 series or equal.

15. Color: Safety School Bus Yellow or OEM Orange

16. Other:

a. Complete vandalism protection.

b. All working parts shall be enclosed and protected from weather and dust.

c. Operator's Manual two (2) copies, Repair and Parts Manual one (1) copy each

d. First Service Kit shall include all filters as required, (oil, fuel, air, breather, transmission, etc.)

e. 5 lbs. ABC fire extinguisher mounted.

f. Minimum one (1) year warranty to include all attachments.

g. Cocoa mats on each drum (both directions) if available as standard/option.

h. All lubrication points shall be painted red.

17. Training:

Contractor shall provide proper and safe operation, maintenance of equipment. This training shall include a minimum of one (1) hour classroom and one (1) hour per operator hands on training on the Island of Hawaii. This training shall be consistent to OSHA requirements. Training shall be provided at no additional cost to the State.

Copy of attendance record showing class date, time, location, class type, instructors name and attendees shall be submitted to:

State of Hawaii
Highways
Construction and Maintenance Branch
Attn: Equipment Superintendent/Safety Coordinator
869 Punchbowl Street, Room 404
Honolulu, Hawaii 96813

SECTION 45 – LIGHT TOWER TRAILER MOUNTED

45.1 SCOPE OF WORK – The work consists of furnishing and delivering one (1) only, Light Tower, Trailer Mounted, to the island of Kauai. The contractor shall present the equipment complete, ready to use and fully operational.

45.2 LIGHT TOWER TRAILER MOUNTED – The specifications contained herein establish minimum standards (unless stated differently). Equipment offered shall include any other standard features not listed but detailed in manufacturer's brochures, and deemed necessary for proper and safe operation of equipment.

DETAILED SPECIFICATIONS FOR LIGHT TOWER TRAILER MOUNTED

1. Model/Year: Whacker, Ingersoll-Rand, Allmand, Wanco or equal, 2023 or latest Production year.

2. Flood Lights:

   a. Four (4) mounted on mast.

   b. LED 1000 watts equivalent per flood light.

   c. LED light source.

3. Tower:

   a. Minimum 7,315.2 mm (24 ft.) telescopic three sections.

   b. Must be able to rotate 360 degrees by hand without lowering tower.

   c. Electrical winch for extending tower.

   d. Galvanized steel construction if offered.

4. Control Console: Drip proof steel enclosure easily accessible with light switches, circuit breakers hour meter and convenience outlets (four GFI 120 V.A.C: and one 240 V.A.C.).

5. Power:

   a. Diesel engine, 10.5 BHP of rated speed, 4 cycle. EPA Tier 4 compliant. Shall be capable of operating on a B20 blend of bio-diesel.

   b. Water cooled, with high temperature cut off switch.

   c. 24 hour fuel supply, minimum of 113.51 (30 gal.).

d. Automatic low oil pressure shutdown.

e. Muffled to 82 decibels at 7,620mm (25 ft.).

f. Twelve (12) volt starting system.

g. First service kit.

6. Trailer:

a. Heavy duty welded steel frame.

b. Two (2) heavy walled tubular out riggers.

c. Minimum three (3) swivel type adjustable leveling jacks, with leveling indicator.

d. Lunette eye or 2 inch ball hitch with safety chains (2).

e. Minimum 1,510.4 kg (3,330 lbs.) capacity leaf springs and axle.

f. Manufacturer's recommended tires/rims, including spare. Shall meet manufacturer's and Federal GAWR requirement, for GVW submitted.

g. Fenders.

h. Stop, turn, hazard, running lights. LED type.

i. Wire connector Cole Hersee 6-pole plug, Part No. 1236 and 6-pole socket Part No. 1258.

7. Color:

a. Manufacturer's standard.

b. Trailer shall be outlined with conspicuity tape (red/white).

8. Other:

a. Operators manual two (2) each, repair and parts manual one (1) each.

b. Hour meter.

c. 2.2kg (5 lbs.) ABC fire extinguisher mounted

d. Four (4) spare lamps.

9. Training:

Upon request by receiving Agency, Contractor shall schedule operator and maintenance training to demonstrate proper and safe operation of equipment. This training shall include a minimum of one (1) hour classroom and one (1) hour per operator hands on training. Contractor shall provide classroom site. This service shall be provided at no additional cost to the State. Training shall be consistent to OSHA requirements.

Copy of attendance record showing class date, time, location, class type, instructor's name and attendees shall be submitted to:

State of Hawaii Highways
Construction & Maintenance Branch
Attn: Equip. Superintendent/Safety Coordinator
869 Punchbowl Street, Room 404
Honolulu, Hawaii 96813

RESPONSES TO REQUEST FOR INFORMATION (RFI'S/QUESTIONS)

1. On the proposal schedule, can we just submit the section that we are bidding or do we have to submit the whole proposal forms?

   Response: For each Line Item Offer, please ensure to upload a proposal file to include the required signed proposal pages (see PF-1 to PF-5), the specific proposal schedule sheet for that Line Item (see applicable proposal sheet from PF-7 to PF-42), the service and repair facility location page (PF-44), and any supporting documentation for that line item as required by the specifications.

2. Section 18, Aerial Unit - a - Would you accept the AT37G ILO AT35G, as the AT35G is an obsoleted unit (Specs relating to the AT37G as listed in the bid are below) - d - Ground to platform height - 37.8 ft ILO 35.8 ft - e - Working height 42.8 ft ILO 40.8 ft - f – Maximum side reach is 28.3 ft at 14.6 ft ILO 12.7 ft - q – Unit manufacturing plant is not ISO 9001 - r – operating pressure is 2400 psi ILO 2200 psi

   Response: Yes, the AT37G will be accepted. Please see Addendum No. 1 for revised Section 18 – Cab/Chassis with Aerial and Utility Body.

3. Section 18, Body Line B - Altec standard body is galvannealed steel with an E-coat conversion done before prime and paint for increased corrosion resistance. We do not have any options for hot-dip galv. Would you accept that?

   Response: Yes this is acceptable. Please see Addendum No. 1 for revised Section 18 – Cab/Chassis with Aerial and Utility Body.

4. Section 18, Body Line B - Altec standard body panel thicknesses EXCEED the specifications. See below. Is this acceptable? o i – Outside panels 14 ga ILO 16 o ii – End panels 14 ga ILO 16 o iii – Shelving 16 ga ILO 18 o iv – Double panel doors 18 ga ILO 20 o v – doors will be galvanneal ILO tread plate

   Response: Yes this is acceptable. Please see Addendum No. 1 for revised Section 18 – Cab/Chassis with Aerial and Utility Body.

5. Section 18, Body Line C - ii – Outside width 94" ILO 93", Would you accept this?

   Response: Section 18, Item 16.c. indicates the dimensions listed are a minimum required, therefore if what is proposed is more than the minimums listed, then it is considered in compliance with the specification.

6. Section 18, Body Line F - Stainless Steel latches and locks ILO Cadmium plated, would you accept this?

   Response: Yes, this is acceptable. Please see Addendum No. 1 for revised Section 18 – Cab/Chassis with Aerial and Utility Body.

7. Ref. line item #24 Will the OEM color, Orange, be acceptable in lieu of school bus yellow.

   Response: Yes, this is acceptable. Please see Addendum No. 1 for revised Section 34 – Vibratory Roller, 8 to 10 Ton.

8. Section 45 - Light Tower Trailer Mounted, Detailed Specification 3.a. requests a 28' telescopic sections. The max height our vendor can provide is 24'. Please advise if acceptable.

   Response: Yes, this is acceptable. Please see Addendum No. 1 for revised Section 45 – Light Tower Trailer Mounted.

9. Section 45 - Light Tower Trailer Mounted, Detailed Specification 6.c. requests four (4) leveling jacks. Our vendor is only able to provide a three (3) jack option. Please advise if acceptable.

   Response: Yes, this is acceptable. Please see Addendum No. 1 for revised Section 45 – Light Tower Trailer Mounted.

10. Section 45 - Light Tower Trailer Mounted, Detailed Specification 6.d. & e. requests a tongue jack with caster wheel and convertible lunette eye. Both these options are unavailable through our vendor. Please advise if acceptable to omit.

    Response: Yes, this is acceptable. Please see Addendum No. 1 for revised Section 45 – Light Tower Trailer Mounted.

11. Section 42 - Air Compressor, Detailed Specifications 8.b. requests a front jack stand with tire. This option is unavailable due to safety precautions. Please advise if acceptable to omit.

    Response: Front jack stand is required with tire as specified in Section 42, Item 8b.