

DEPARTMENT OF VETERAN AFFAIRS
STATEMENT OF WORK
Dental Equipment

1. BACKGROUND

1.1 The Butler VA (529) is constructing a new Health Care Center (HCC) to provide a modern facility to better serve Veteran medical needs. This contract is for the purchase, delivery and installation of A-DEC name brand or equal dental chairs, accessories and equipment for 8 dental operatories on the first floor of the new HCC construction site located at 353 North Duffy Road Butler PA, 16001. All equipment shall be shipped directly to the site and shall be installed per manufacturer recommendations. All associated shipping/freight charges and installation wages shall be included.

1.2 DRAWINGS- Refer to attached drawings "AI-302" and "A-dec 500 floor box". Standard finished ceiling height is approximately 8'8" in the rooms.

2. SCOPE OF WORK

2.1 Provide A-DEC name brand or equal dental equipment and labor to deliver and install for 8 dental operatories the new HCC. The provided drawings are final, all equipment shall be installed without modifications to the existing structure or utilities. Finish color selections are coordinated with the buildings decor and shall be name brand or equal.

2.1 A A-DEC name brand or equal **Model 511 Patient Chairs, 7 EA** shall be provided and installed. The chairs shall have but not be limited to the following features and characteristics:

- 1) Voltage 120 Volts V0074.0002
- 2) Base Color White V0009.0002
- 3) Foundation Price 511 Chair V0195.0096
- 4) Upholstery Type Seamless V0075.0014
- 5) Upholstery Color Hazelnut V0072.0055
- 6) Chair Back Style Standard- Double-Articulating Headrest V0013.0003
- 7) Foot Switch Programmable Footswitch V0042.0002
- 8) Floor Box Contoured Floor Box V0040.0001
- 9) Duplex and QDs V0037.0002
- 10) Shall have an Ultra-thin flexible back rest, measuring 1" thick on the seamless upholstery providing superior operator access to the oral cavity reduces the chance of repetitive stress injury and provides excellent patient comfort and support over extended treatment periods.
- 11) Headrest shall be standard dual articulating with gliding cushion and quick release adjustment lever that includes memory foam.
- 12) Lift range 13.5"-31.5" (Note: measurements are made from the floor to the bottom of the seat cushion.) Low point: 14.5" when dual mounting.
- 13) Chair swivels 60° (30° each side of center) enhances patient and operator accessibility.
- 14) Automatic Chair-Stop reduces risk of injury or damage to equipment when sensors detect obstruction. Lock-out feature disables chair movement when hand piece is in use.
- 15) UL rated to 400LB. (181) kg. maximum patient load.

- 16) Packaging Blanket Wrap V0327.0081
- 16) Shall have an Integrated 300 Watt power supply that provides electrical requirements for chair-mounted dental light and ancillary products.
- 17) Accumulators in the hydraulic lift system shall provide a soft chair start and stop. Lift cylinders shall be guaranteed for ten years.
- 18) Self-diagnosing circuit board that is easily programmable, with "limp-along" lift activation.
- 19) Bi-directional hydraulic motor pump
- 20) Cast iron base-plate, powder coat painted and sealed with an elastomeric polymer finish to prevent rust and scratch damage to the floor.
- 21) Virtual-Pivot design aligns the natural spine rotation of the seated patient with the chair's rotational axis. This unique design feature maintains patient position and comfort throughout the chair's entire range of motion.
- 22) UL Classified in USA and Canada. CE compliant

2.1 B A-DEC name brand or equal **332 TRAD Radius Delivery System, 7 EA** shall be provided and installed. The delivery system shall have but not be limited to the following features and characteristics:

- 1) Model 332 Radius-style Traditional Delivery System 332
- 2) Base Color White V0009.0002
- 3) Foundation Price 332 No Touchpad V0195.0023
- 4) Mounting Style A-dec 511 Chair V0055.0006
- 5) Standard Tray Holder V0070.0011
- 6) Wet/Dry Foot Control V0041.0003
- 7) Second Brake Handle Kit V0080.0001
- 8) Packaging Blanket Wrap V0327.0081
- 9) Right V0128.0001
- 10) Doctor's Touchpad Deluxe Touchpad V0036.0006
- 11) Quad Volt Intraoral Light Source V0086.0003
- 12) Silicone Hand piece Tubing V0330.0002
- 13) Position 0 Autoclavable QD Syringe V0267.0044
- 14) Position 1 Cavitron Ultrasonic Module V0267.0043
- 15) Position 2 4-Hole Tubing V0267.0002
- 16) Position 3 5-Hole Fiber-Optic with Bulb Tubing V0267.0006
- 17) Position 4 5-Hole Fiber-Optic with Bulb Tubing V0267.0006
- 18) Additional Block Position (4 position control block) V0101.0006
- 19) Integrated-hand piece control block capable of operating up to four active hand piece positions and is constructed of plated lead-free brass (per section 14.17 of the Safe Drinking Water Act). Each hand piece position shall have an individual drive needle valve air and water adjustment. Removable water cartridge valves shall allow for efficient servicing of block. A sliding lock mechanism shall secure the hand piece tubing to the control block without tools, allowing easy access to connect or disconnect tubing. Unique water-flow system shall eliminate dead ends that can harbor stagnant water.
- 20) Left/Right convertible without the use of tools.
- 21) Chair lockout stop feature when foot control is activated prevents the accidental movement of the chair when a hand piece or instrument is in use.
- 22) Silicone hand piece tubing shall contain anti-microbial AlphaSan® and quick-disconnects secured to the control block.
- 23) A 2.0 liter, quick-connect water bottle designed with an interior pickup tube which reduces the chance of cross-contamination.

- 24) The system flush toggle has a flow-through design that eliminates stagnant water and flushes all tubing's simultaneously.
- 25) All interior water lines used throughout the delivery system contain anti-microbial AlphaSan® which protects against microbial colonization on interior and exterior surfaces.
- 26) Balanced flex arm with air brake enables easy routing of cables and tubing's.
- 27) USB extension cable is provided in delivery system umbilical.
- 28) A Quad-volt intra-oral light source provides up to four independently adjustable output voltages to accommodate intra-oral illumination.
- 29) Shall have a deluxe touchpad offering expanded functions required for specialized instruments, such as electric micro-motors, programmable endodontic motors, ultrasonic instruments, etc. The screen provides help in troubleshooting and system diagnostics.
- 30) UL Classified for USA and Canada. CE compliant

2.1 C A-DEC name brand or equal, **2562 Decade Cart, 1 EA** shall be provided and installed. The cart shall have but not be limited to the following features and characteristics:

- 1) Voltage 120 Volts V0074.0002
- 2) Duplex Only V0037.0003
- 3) Base Color Surf V0009.0001
- 4) Foundation Price 2562 Decade Cart V0195.0006
- 5) Wet/Dry Foot Control V0041.0003
- 6) 7' Foot Control Length V0031.0002
- 7) Foot Control Carrier V0144.0002
- 8) Adjustable Height Frame V0127.0001
- 9) 25W 120V Power Supply V0060.0010
- 10) 7' Umbilical V0071.0005
- 11) Packaging Blanket Wrap V0327.0081
- 12) Quad Volt Intraoral Light Source V0086.0003
- 13) Vinyl Hand piece Tubing V0330.0001
- 14) Position 1 Autoclavable QD Syringe V0267.0005
- 15) Position 2 4-HoleTubing V0267.0031
- 16) Position 3 5-Hole Fiber-Optic with Bulb Tubing V0267.0028
- 17) Position 4 5-Hole Fiber-Optic with Bulb Tubing V0267.0028
- 18) Position 5 No Tubing V0267.0003
- 19) Additional Block Position (4 position control block) V0101.0004
- 20) Floor Box Medium Stainless Floor Box V0040.0006
- 21) Floor box shall be wall mounted to allow for umbilical attachment to connect to wall
- 22) Shall include a .7L water bottle
- 23) Air QD ASSY 026.130.00

2.1 D A-DEC name brand or equal, **551 ASST Instrumentation, 7 EA** shall be provided and installed. The instrumentation shall have but not be limited to the following features and characteristics:

- 1) Model 551 Assistant's Instrumentation 551
- 2) Base Color White V0009.0002
- 3) Foundation Price 551 Assistant's Instrumentation V0195.0146
- 4) Mounting Style A-dec 511 Chair V0055.0036
- 5) Long Arm V0030.0004
- 6) Packaging Blanket Wrap V0327.0081
- 7) Autoclavable QD Syringe V0105.0005

- 8) Satelec Mini LED Curing Light V0004.0014
- 9) Assistant's Curing Light Holder for Curing Light V0462.0001
- 10) Dual Turret V0403.0001
- 11) Standard 11mm HVE V0200.0005
- 12) 500 Support Link V0090.0001
- 13) Articulated 6-axis arm (long arm) and 5-axis (short arm) allows for vertical and horizontal adjustments and greater than 270° of movement, promoting improved ergonomics and safety for the assistant, and accommodating both two and four handed dentistry.
- 14) Vertical movement of 22.75" (short arm) to a horizontal movement of 36" (long arm).
- 15) Integral solids collector with fine mesh screen to trap materials from entering vacuum system and is easily maintained.
- 16) Modular, push-on connections on both ends of vacuum tubing's for reliable seal and easy maintenance.
- 17) Standard multi-function touchpad provides secondary control of the chair, light, and accessory functions. Designed to be used as a handle for easy positioning of the assistant's arm.
- 18) Capability of holding ancillary devices (such as curing light, warm water syringe, etc....).
- 19) Repair parts will be available a minimum of 10 years after product obsolescence.

2.1 E A-DEC name brand or equal, **2615 Cascade Cart, 1 EA** shall be provided and installed. The cart shall have but not be limited to the following features and characteristics:

- 1) Model 2615 Cascade Assistant's Cart 2615
- 2) Voltage 120 Volts V0074.0002
- 3) Base Color Surf V0009.0001
- 4) Foundation Price 2615 Cascade Assistants Cart-- Single
- 5) HVE
- 6) V0195.0008
- 7) Work Surface Material Solid Surface-- Gibraltar V0161.0002
- 8) Work Surface Color Beige Tempest V0162.0102
- 9) Gibraltar Price V0334.0074
- 10) Standard Tray Holder V0070.0002
- 11) 300W 120V Power Supply V0060.0006
- 12) Packaging Blanket Wrap V0327.0081
- 13) Assistants Instrumentation Holders V0404.0001
- 14) Assistant's No Touchpad V0007.0001
- 15) Autoclavable QD Syringe V0105.0044
- 16) Floor Box Medium Stainless Floor Box V0040.0012
- 17) Floor box shall be wall mounted to allow for umbilical attachment to connect to wall
- 18) Curing LT Kit, Mini LED, Gray3, 117 IN 54.0291.00
- 19) HLDR ASSY, ASST, Infection Control, Mold 99.0584.00

2.1 F A-DEC name brand or equal, **2615 Cascade Cart, 7 EA** shall be provided and installed. The cart shall have but not be limited to the following features and characteristics:

- 1) Model 2615 Cascade Assistant's Cart 2615
- 2) Cart Only-- No Assistant's Instrumentation
- 3) Voltage 120 Volts V0074.0002
- 4) Base Color Surf V0009.0001
- 5) Foundation Price 2615 Cascade Assistant's Cart V0195.0008

- 6) Work Surface Material Solid Surface-- Gibraltar V0161.0002
- 7) Work Surface Color Beige Tempest V0162.0102
- 8) Gibraltar Price V0334.0074
- 9) No Power Supply V0060.0008
- 10) Packaging Blanket Wrap V0327.0081

2.1 G A-DEC name brand or equal, **577L - A-dec LED Dental Track LT, 8 EA** shall be provided and installed. The light shall have but not be limited to the following features and characteristics:

- 1) Model 577L Track-mounted LED Light 577L
- 2) Base Color White V0009.0002
- 3) Mounting Style Track Mount V0055.0031
- 4) Foundation Price 577 LED Light- Track Mount V0195.0206
- 5) Post To Follow V0089.0007
- 6) Packaging Standard (Boxed) V0327.0081
- 7) Finished ceiling height is approximately 8' 8"
- 8) Three intensity settings (15,000/25,000/30,000lux)(1,394/2,323/2,787fc).
- 9) Cure-safe composite setting (25,000lux(2,323fc)/yellow): provides a "yellow" light providing ample illumination in the oral cavity without the premature curing of photo-initiated dental composites.
- 10) Color Temperature/Color Rendering Index: 5,000K/~90 CRI for accurate color rendering and tissue analysis.
- 11) Ability/ease of positioning: Rotation axis about the rigid arm to flex arm interface: There is 315° of travel. The vertical travel shall be achieved via the parallel link system in the flex arm. This travel is to be 27.9 inches (71.1cm).
- 12) Flexible, fracture resistant handles stay cool to touch, provide positive tactile feel, and protect head from potential impact damage.
- 13) Thermal energy output: 24 BTU/hr. nominal at High intensity. 15 Watt power consumption. No bulb replacement.
- 14) Orbital LED array on aluminum-cored chassis dissipates heat passively, no hot surfaces or handles and does not require a cooling system or fan.
- 15) Full touchpad control of light modes with auto on/off capabilities
- 16) Pattern and shadowing: "Stadium" style LED array minimizes shadowing due to blockage from instruments and the dental team. When properly focused, the light pattern at 700 mm is 100mm x 145mm at 10% of the maximum intensity. The illumination shall decrease in intensity progressively and smoothly toward the pattern edge.
- 17) Smooth surface exterior parts are able to be cleaned and barrier protected without damage to the light surface or markings.
- 18) UL Classified in USA and Canada. EC compliant.
- 19) Standard finished ceiling height is approximately 8'8" in the operatory rooms.

3. Warranty

See (Warranty) attachment. All equipment shall have a warranty at minimum, equal to the attached A-Dec warranty.

4. General Requirements

4.1 The contractor shall provide all labor, equipment, tools, materials, and other items necessary to deliver and install the equipment and materials listed in the SOW.

4.2 The provided drawings are final; all equipment shall be installed without modifications to the existing structure or utilities.

4.3 TEST AND ACCEPTANCE: Contractor shall test all equipment after installation to confirm proper operation. The VA shall accept equipment once installation and successful testing has been completed and approved.

4.4 The contractor shall adhere to the job site requirements listed below:

1. All personnel to adhere to site safety requirements – PPE at a minimum to include hard hats, safety glasses, high-visibility clothing, hard sole shoes.
2. All personnel subject to a 30-minute site safety orientation conducted by General contractor (GC).
3. Vendor responsible for unloading, handling, unpacking; clean up to dumpster provided by GC
4. Vendor to schedule deliveries through VA who would in turn schedule with GC. At the time of these deliveries, most if not all products will have to go through the loading dock, so a schedule will be arranged for dock use.
5. VA to obtain and maintain current certificates of insurance for each vendor
6. Vendor responsible for protecting product after installation
7. Standard work hours are Monday – Friday, 7:00 AM – 3:30 PM

5. Installation Dates

Installation of all equipment shall be coordinated with the VA and shall take place between 3/21/17 and 3/29/17. No equipment shall be delivered or will be accepted before these dates.