

**U.S. Customs and Border Protection
Office of Information & Technology
Landing Rights
Cost Sign-Off Document***

(*Actual costs will be derived from actual obligations)

This is a Rough Order of Magnitude Estimate.

Final costs will be determined once the network designs are completed

Site: Ft. Lauderdale Executive Airport

Date Prepared: 3/14/2013, 7/31/2013

Preparer: Donald R Mitchell

Equipment Costs

Line Item	Description	Qty	Unit Cost	Total
1	Steelhead SHA-01050L Riverbed appliance without RSP module; Steelhead 1050 with 4 onboard GbE bypass ports (800 conn/8Mbps) ; 2GB memory for SH1050/2050/5050; Add on Power supply for SH1050/2050-C; Gold level annual support for Steelhead Appliance 1050 Series	1	\$21,000.00	\$21,000.00
2	Cisco Catalyst 3750X 48-port POE+, Layer-3, Stackable Switch (BRAND NAME or EQUIVALENT) with Catalyst 3750X 48 Port Full PoE IP Base CAT 3750X IOS UNIVERSAL WITH WEB BASE DEV MGR C3750X-48 IP Base to IP Services factory IOS Upgrade Cisco StackWise 50CM Stacking Cable Catalyst 3750X Stack Power Cable 30 CM AC Power Cord for Catalyst 3K-X (North America) Catalyst 3K-X 1100W AC Power Supply Catalyst 3K-X 1100W AC Secondary Power Supply Catalyst 3K-X 1G Network Module SMARTNET 24X7X4 Catalyst 3750X 48 Port Full PoE IP Base	1	\$15,000.00	\$15,000.00
4	SUA2200RM2U APC (Brand Name or Equivalent) SmartUPS, 1980 Watts / 2200 VA, Input 120V/ Output 120V, Interface Port DB-9 RS-232, SmartSlot, Rack Height 2 U; NEMA 5-20R to L5-20P cable Adapter	1	\$1,200.00	\$1,200.00
5	Standard Workstation with Monitor Featuring: Dell 980 Optiplex (Brand Equivalent) Desktop Workstation Base Unit: • Ships from factory preset to Energy Star 5.0 Cat A, B, C, or D rating. In accordance with Executive Order (E.O.) 13423, Part 23 of the Federal Acquisition Regulation (FAR), and Department of Homeland Security Management Directive 025-01, Sustainable Practices for Environmental, Energy and Transportation Management Executive Order 13514 Federal Leadership in Environmental, Energy, and Economic Performance, Section 2(h)(i), requires agencies to promote "electronics stewardship" by 1. Ensuring procurement preference for EPEAT-registered electronic products; 2. Establishing and implementing policies to enable power management, duplex printing, and other energy-efficient or environmentally preferable features on all eligible agency electronic products;	9	\$1,400.00	\$12,600.00

Line Item	Description	Qty	Unit Cost	Total
	<p>3. Employing environmentally sound practices with respect to the agency's disposition of all agency excess or surplus electronic products;</p> <p>4. Ensuring the procurement of Energy Star and FEMP designated electronic equipment; and</p> <p>5. Implementing best management practices for energy-efficient management of servers and Federal data centers</p> <p>Manufacturer must meet EPEAT Silver certification at a minimum with progress towards Gold certification. EPEAT Gold Certification is preferred.</p> <ul style="list-style-type: none"> • ATX, Micro-ATX, or BTX chassis, with power supply and motherboards uniquely designed to manage heat throughout the system. • Thermal-management technology using variable speed fans for additional cooling, while using less power and generating less noise. • Thermal Sensor — Measures the incoming ambient air temperature to appropriately control internal cooling and helps improve thermal reliability. <p>Power Supply:</p> <ul style="list-style-type: none"> •305W AC Input Voltage Range of 100 to 240 VAC AC Input Frequency of 47HZ/63 Hz <p>Processor: •Core 2 Quad, 8400/2.66GHz, 4M, 1333FSB Or Better</p> <p>Chipset: •Intel Q43/Q45 Express Chipset Part: 82Q43/82Q45 or newer</p> <p>Memory: •Minimum 4GB DDR3 With 2 empty usable memory slots available</p> <p>Hard Drive: •160GB SATA 3.0Gb/s and 8MB Data Burst Cache or SSD If Available</p> <p>Video Card:</p> <ul style="list-style-type: none"> • Non-Integrated 256MB Graphics Card with WDDM 1.0 or higher • Dual DVI and VGA support up to 2 monitors. • Must be capable of up to 1680 X 1050 resolutions and 1024 X 768 standard. • Quad monitor support option (uses nVidia NVS420 for 4 <p>Floppy Drive: 3.5 inch, 1.44MB, Floppy Drive (Optional) Or External USB Floppy Drive As Needed</p> <p>Optical Drive:</p> <ul style="list-style-type: none"> • 6X DVD+/-RW minimum • Capable of read/write for DVD and CD-ROM <p>Network Card:</p> <ul style="list-style-type: none"> • Integrated NIC support 10/100/1000 MB/s • Wake On LAN capable. <p>Power Management:</p> <ul style="list-style-type: none"> • Able to set power on Everyday or Weekdays at the time set in Auto Power Time. • Able to set Low Power Consumption Mode on/off to conserve power. • Able to set different Power Suspend Modes to conserve power (Monitor, CPU, Hard Drive) <p>Sound Card: Integrated Intel High Definition Audio</p> <p>Keyboard and Mouse:</p> <ul style="list-style-type: none"> • USB 104 Keyboard W/PIV Reader • USB Optical Mouse <p>USB Connections:</p> <ul style="list-style-type: none"> • Up to 8 USB connections on the unit • 6 rear and 2 front recommended configuration on the unit 			

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	<p>Expandable:</p> <ul style="list-style-type: none"> • Minimum 2 available usable PCI slots to add optional cards as needed. • Firewire card may use one of these slots as needed. <p>Ports:</p> <ul style="list-style-type: none"> • Serial port • Parallel port (Optional) • External SATA Port <p>Security: • Trusted Platform Module version 1.2</p> <p>Features:</p> <p>BIOS flash upgrade capability must be provided.</p> <ul style="list-style-type: none"> • Desktop and smaller form factor workstation • Toolless design case, all parts except motherboard can be serviced and swapped without tools. Power supplies, disks, cards, optical drives <p>Service:</p> <ul style="list-style-type: none"> • 3 Years Basic Support: Next Business Day Parts and Labor Onsite Response. • Hardware Documentations, Manufacture Applications and Drivers provided via CD or DVD. • Hard Drive Retention Service (No RMA of failed drives) • Vendor must host their own manuals, drivers and applications for download. (No link to third party website). • Global service and support. • Must be able to provide roadmap review every 6 months. <p>OEM Operating Systems:</p> <ul style="list-style-type: none"> • Windows 7 (32bit and 64bit) • Capable to downgrade to Windows XP as needed <p>Monitor: 2009W 20-inch Wide Screen Flat Panel 1680 X 1050 resolution (MINIMUM)</p> <ul style="list-style-type: none"> • 2000:1 contrast ratio • 5ms (black -to-white) response time for crisp images • Integrated speakers • Display privacy filter • 170degree horizontal and 160 vertical viewing angle • 5-year Advance Exchange Warranty 			
6	<p>USV10PRNT.21223-I(USV10PRNT) Desktop without Monitor</p> <p>Standard Desktop Requirements Definition Slim line form factor Desktop form factor Tower Workstation</p> <p>Base Unit:</p> <ul style="list-style-type: none"> • Ships from factory preset to Energy Star 5.0 Cat A, B, C, or D rating. <p>In accordance with Executive Order (E.O.) 13423, Part 23 of the Federal Acquisition Regulation (FAR), and Department of Homeland Security Management Directive 025-01, Sustainable Practices for Environmental, Energy and Transportation Management Executive Order 13514 Federal Leadership in Environmental, Energy, and Economic Performance, Section 2(h)(i), requires agencies to promote “electronics stewardship” by:</p> <p>1. Ensuring procurement preference for EPEAT-registered electronic products;</p>	7	\$1,250.00	\$8,750.00

Line Item	Description	Qty	Unit Cost	Total
	<p>2. Establishing and implementing policies to enable power management, duplex printing, and other energy-efficient or environmentally preferable features on all eligible agency electronic products;</p> <p>3. Employing environmentally sound practices with respect to the agency's disposition of all agency excess or surplus electronic products;</p> <p>4. Ensuring the procurement of Energy Star and FEMP designated electronic equipment; and</p> <p>5. Implementing best management practices for energy-efficient management of servers and Federal data centers</p> <p>Manufacturer must meet EPEAT Silver certification at a minimum with progress towards Gold certification. EPEAT Gold Certification is preferred.</p> <ul style="list-style-type: none"> • ATX, Micro-ATX, or BTX chassis, with power supply and motherboards uniquely designed to manage heat throughout the system. • Thermal-management technology using variable speed fans for additional cooling, while using less power and generating less noise. • Thermal Sensor — Measures the incoming ambient air temperature to appropriately control internal cooling and helps improve thermal reliability. <p>Power Supply: Desktop Base Minimum 88 Percent Efficient Power Supply 235W AC Input Voltage Range of 100 to 240 VAC AC Input Frequency of 47HZ/63 Hz 255W AC Input Voltage Range of 100 to 240 VAC AC Input Frequency of 47HZ/63 Hz 305W AC Input Voltage Range</p> <p>Processor: Core 2 Quad, 8400/2.66GHz, 4M, 1333FSB Or Better Chipset: Intel Q43/Q45 Express Chipset Part: 82Q43/82Q45 or newer Memory: Minimum 4GB DDR3 With 2 empty usable memory slots available</p> <p>Hard Drive: 160GB SATA 3.0Gb/s and 8MB Data Burst Cache or SSD If Available Video Card: <ul style="list-style-type: none"> • Non-Integrated 256MB Graphics Card with WDDM 1.0 or higher • Dual DVI and VGA support up to 2 monitors. • Must be capable of up to 1680 X 1050 resolutions and 1024 X 768 standard. • Quad monitor support option (uses nVidia NVS420 for 4 <p>Floppy Drive: 3.5 inch, 1.44MB, Floppy Drive (Optional) Or External USB Floppy Drive As Needed Optical Drive: <ul style="list-style-type: none"> • 16X DVD+/-RW minimum • Capable of read/write for DVD and CD-ROM <p>Network Card: <ul style="list-style-type: none"> • Integrated NIC support 10/100/1000 MB/s • Wake On LAN capable. <p>Power Management: <ul style="list-style-type: none"> • Able to set power on Everyday or Weekdays at the time set in Auto Power Time. • Able to set Low Power Consumption Mode on/off to conserve power. • Able to set different Power Suspend Modes to conserve power (Monitor, CPU, Hard Drive) • System can be powered up remotely from Power Suspend, Off, or Low Power Consumption Mode. <p>Sound Card: Integrated Intel High Definition Audio</p> </p></p></p></p>			

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	<p>Keyboard and Mouse:</p> <ul style="list-style-type: none"> • USB 104 Keyboard W/PIV Reader • USB Optical Mouse <p>USB Connections:</p> <ul style="list-style-type: none"> • Up to 8 USB connections on the unit • 6 rear and 2 front recommended configuration on the unit <p>Expandable:</p> <ul style="list-style-type: none"> • Minimum 2 available usable PCI slots to add optional cards as needed. • Firewire card may use one of these slots as needed. <p>Ports:</p> <ul style="list-style-type: none"> • Serial port • Parallel port (Optional) • External SATA Port <p>Security: • Trusted Platform Module version 1.2</p> <p>Features:</p> <ul style="list-style-type: none"> • BIOS flash upgrade capability must be provided. • Desktop and smaller form factor workstation • Toolless design case, all parts except motherboard can be serviced and swapped without tools. Power supplies, disks, cards, optical drives • Raid 0 or 1 for additional performance or data protection. • Chassis Intrusion switch (can notify helpdesk and logs when chassis is opened). • BIOS multi-level security settings, including Administrator password, System boot password, BIOS password. • Ability to store Asset tag or other tracking number in BIOS (this is in addition to the service tag stored in BIOS). • Ability to override password reset jumper (if machine is lost/stolen, can't just pull jumper to reset BIOS passwords). • Ability to integrate system management with in-house tools, including ability to remotely manage BIOS updates and BIOS settings. • LED diagnostic Lights on front chassis to assist Helpdesk with diagnosis/Troubleshooting/service dispatch (bad DIMM, Hard disk, NIC, CPU, graphics card, BIOS, etc.) <p>Service:</p> <ul style="list-style-type: none"> • 3 Years Basic Support: Next Business Day Parts and Labor Onsite Response. • Hardware Documentations, Manufacture Applications and Drivers provided via CD or DVD. • Hard Drive Retention Service (No RMA of failed drives) • Vendor must host their own manuals, drivers and applications for download. (No link to third party website). • Global service and support. • Must be able to provide roadmap review every 6 months. <p>OEM Operating Systems:</p> <ul style="list-style-type: none"> • Windows 7 (32bit and 64bit) • Capable to downgrade to Windows XP as needed <p>Core Applications on CBP Image to be loaded by CBP post</p>			

Line Item	Description	Qty	Unit Cost	Total
	Delivery: • Microsoft Office 2007 Plus w/SP2 • Microsoft Visio Viewer 2007 • Adobe Reader 9.1 • Adobe Flash 10.X • Shockwave Player 11.X • McAfee Antivirus Client 8.7i • Microsoft .NET Framework APC SurgeArrest Essential - surge suppressor AC 120 V Firewire PCI Card by Unibrain & adapter			
7	DELL P2210, 22 inch VIS Professional or Equal Widescreen display (10-Print Configuration) featuring: 3YR Limited Warranty Monitor, Advanced Exchange (986-4872) AX510 black Sound Bar for UltraSharp Flat Panel DisplaysDell Optiplex/Precision/ Latitude, Customer In (313-6412) 22.0" PRYINGEYES WIDESCREEN Frameless Privacy Filter (Width 18.74" x Height 10.55" 416:09 Aspect Ratio).	7	\$225.00	\$1,575.00
8	CrossMatch Guardian V Scanner #920098-002. Dimensions 6" x 6" x 4.7" (152 mm x 152 mm x 120 mm). Weight 4.0 lbs. (1.8 kg). Sealed, rugged case with high tolerance for shock and vibration. Rubber overmold for sure handling and shock absorption. Lighted platen power status indicator. Green illuminated pictograms guide the user through image capture. Auto capture feedback through four LED lights indicating image quality. Heated platen to eliminate condensation and halo effect. Single cable IEEE 1394 interface for data and power, 400 Mbits/s speed, OHCI compliant – no separate power supply needed. Accepts standard security cable. Optional ambient light shield for use in direct sunlight.	7	\$5,500.00	\$38,500.00
9	Crossmatch L-Guarding 10 print finger print scanner mounts for US Visit	7	\$500.00	\$3,500.00
10	USVISIT - 3M Passport Reader, Model AT9000	7	\$2,200.00	\$15,400.00
11	LogicTech Quickcam Pro 9000 - Carl Zeiss® lens Autofocus system Ultra-high resolution 2-megapixel sensor with RightLight™2 Technology Color depth: 24-bit true color Video capture: Up to 1600 x 1200 pixels (HD quality) (HD Video 960 x 720 pixels) Frame rate: Up	7	\$100.00	\$700.00
12	Ledco Flex Arms for camera compliant with the Logitech 900: 1-prong universal base 1-12" Flex Arm; 1-3" Aluminum Extension; 1-6" Aluminum Extension; 4- Automotive grade zip ties	7	\$90.00	\$630.00
13	HP Photosmart eStation All-in-One Printer C510a; up to 33 ppm: up to 600x600 black print quality; up to 9600x2400 optimized dpi color printing; up to 1200 optimized dpi for copy resolution; up 19.200 dpi scan resolution, two sided printing automatic; input capacity 250 sheets; output capacity 50 sheets; 64 MB memory, 7 inch touchscreen; include USB-6 ES A to B USB Cable 6-foot	5	\$350.00	\$1,750.00
14	LaserJet 4015x printer; 52 ppm; HP PCL 6, HP PCL5e, PostScript Level 3 emulation; 225,000 pages monthly duty cycle; 3 Standard Paper Trays; 128MB standard memory, expandable to 256MB; 128MB memory upgrade; Automatic Duplexing Unit; Installation of Memory into printer; 1 year Return to HP limited warranty.	1	\$1,700.00	\$1,700.00
15	ScanJet 8390	1	\$1,400.00	\$1,400.00

Line Item	Description	Qty	Unit Cost	Total
16	APC (Brand Name or Equivalent) Surge Protector, number of outlets - 6; Receptacle Style NEMA 5-15r; input: nominal input voltage 120V, frequency 50/60 HZ +/- 5 HZ (auto sensing). Input connections NEMA 5-15P; maximum line current per phase 15Amps; Cord length 1.83 meters; surge protection and filtering; surge energy rating 490 Joules eP Joules Rting 1080 EMI/RFI noise rejection (100 kHz to 10 MHz) 20 dB peak current national mode 10kAmpt peak current common mode 20 kAmps let through voltage rating <330 power strips for all workstations and printers	25	\$14.00	\$350.00
17	Cables To Go (Brand of equivalent) 2U (3.5inch) Horizontal Cable Management Panel	2	\$35.00	\$70.00
18	Cables To Go (Brand of equivalent) 2U (3.5inch) Cable management panel with 5 D-rings	2	\$35.00	\$70.00
19	Cables to Go 29012 10ft CAT 6 550 MHz Snagless Patch cables Blue	30	\$18.00	\$540.00
20	Cables to Go 29018 14ft CAT 6 550 MHz Stranded Snagless Patch cables Blue	30	\$21.00	\$630.00
21	Cables To Go 22807 25ft CAT 6 550 MHz Stranded Snagless Patch cables Blue	2	\$20.00	\$40.00
22	Self Gripping Strap Back-to-Back Polypropylene Hook Nylon Loop Shape Cut to Length Roll Length 25 yd.	1	\$30.00	\$30.00
23	VoIP Phone System with 20 Phone Sets	1	\$43,000.00	\$43,000.00
24	10% Pricing Contingency due to bid variations	1	\$16,843.50	\$16,843.50

Total Equipment Cost:

\$185,278.50

Circuit Costs:

25	Verizon T-1 Circuit Non Recuring Costs (Installation) - ESTIMATED	1	\$13,391.86	\$13,391.86
26	Verizon T-1 Monthly Recuring Costs - ESTIMATED	12	\$431.61	\$5,179.32

Total Annual Circuit Costs:

\$18,571.18

Travel / Installation Costs:

27	Travel for Data Engineers	1	\$3,000.00	\$3,000.00
28	Travel for Voice Engineers	1	\$1,500.00	\$1,500.00

Total Travel Costs:

\$4,500.00

TOTAL ESTIMATED INITIAL EQUIPMENT AND SERVICES COSTS

\$208,349.68

Annual Service Costs:

29	Verizon T-1 Monthly Recuring Costs - ESTIMATED	1	\$5,179.32	\$5,179.32
Total Estimated Annual Service Costs				\$5,179.32

Acceptance

By signing below, I accept any and all costs associated with the purchase and installation of equipment itemized above.

Air Port Representative

Date

CAM #14-0446

Exhibit 2