



SACOG Board of Directors

November 29, 2012

Subrecipient Agreement between SACOG and Sacramento Regional Transit for Connect Card Project Funds for a Regional Service Center Hardware Procurement

Issue: A contractual agreement is required to pass through Connect Card project funds from SACOG to Sacramento Regional Transit (RT) to implement a hardware procurement.

Recommendation: The Transportation Committee recommends that the Board authorize the Chief Executive Officer to enter into a subrecipient agreement with RT for regional Public Transportation Modernization, Improvement, and Service Enhancement Account (PTMISEA) funds in the amount of not to exceed \$571,000 to finance the procurement of Connect Card computing and communications hardware for the Regional Service Center.

Committee Action/Discussion: The Connect Card implementation is transitioning from the system design phase to procurement and manufacturing. As part of this effort, the project now requires procurement of hardware for the Regional Service Center (RSC).

RT is providing the facilities and staffing on behalf of the regional Consortium for centralized functions at the RSC. Computing and communications hardware and environmental upgrades to the server room are necessary to build the RSC. Equipment purchased will include computer servers, cables, hardware racks, communication hubs, and other components. The environmental controls and backup systems in the main server room will receive a major upgrade. Procurement for the hardware through RT is expected to provide an efficient method to acquire the hardware, given RT's information technology expertise and because of the physical siting of the RSC on RT property.

SACOG already has three active PTMISEA subrecipient agreements with RT for other projects. As with all standard SACOG subrecipient agreements, RT agrees to fully comply with PTMISEA requirements. Approval of the proposed subrecipient agreement will help the Connect Card fill a procurement need in an effective manner and keep the project on schedule. The actual pricing will depend on the competitive bids. SACOG will be invoiced on a reimbursement basis, such that unexpended funds will be returned to the project budget. The funding for the work is included in our approved Overall Work Program and project budget.

Approved by:

Mike McKeever
Chief Executive Officer

MM:RM:gg

Attachment

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count	Delivered by Init?	Item english	incl.	Installation needed?	Stage A	Stage B
Servers						
Blade Enclosures & Blade Networking				YES		
		HP BLc7000 1PH 6PS 10 Fan FL ROHS ICE (507015-B21)	2			
		HP 3Y 4 hr 24x7 Proactive Care SVC (H1K92A3)	1			
		c7000 Enclosure with IC Supp (H1K92A3 7NM)	2			
		HP Installation and Startup Service (HA114A1)	1			
		HP Startup BladeSys c-Class Infrastr SVC (HA114A1 5FY)	2			
		HP 3Gb SAS BL-c Switch (AJ864A)	4			
		HP BLc VC Flex-10 Enet Module Opt (455880 - B21)	4			
		3GB SAS BL Switch Support (H1K92A3 9LZ)	4			
		HP BLc7000 DDR2 Encl Mgmt Option (456204-B21)	2			
		HP Technical Installation Startup SVC (HA124A1)	1			
		HP Startup BladSys c7000 Encd Ntwk SVC (HA124A1 56H)	2			
		HP 5800-24G Switch (JC100A)	4			
		U.S. - English localization (JC100A ABA)	4			
		HP 3Y 4 hr 24x7 Proactive Care SVC (H1K92A3)	1			
		HP 580x Switch products Jw Supp (H1K92A3 28Y)	4			
		HP Installation and Startup Service (HA114A1)	1			
		HP Networks 5810/5800 Startup SVC (HA114A1 5Q8)	4			
		HP 5800 4-port 10GbE SFP+ Module (JC091A)	4			
		HP X130 10G SFP+ LC LR Transceiver (JD094B)	4			
		HP X240 10G SFP+ SFP+ 0.65m DAC Cable (JD095B)	4			
		HP X240 10G SFP+ SFP+ 3m DAC Cable (JD097B)	8			
ESX Blade Servers				YES		
		HP BL460c Gen8 10Gb FLB CTO Blade (641016-B21)	9			
		HP 8GB 1Rx4 PC3-12800R-11 Kit (647899-B21)	72			
		Factory Integrated (647899-B21 0D1)	72			
		HP 146GB 6G SAS 15K 2.5in SC ENT HDD (652605-B21)	18			
		Factory Integrated (652605-B21 0D1)	18			
		HP Startup SAN C-Class Blades Only Svc (HA124A1 54L)	2			
		HP BL460c Gen8 E5-2660 FIO Kit (662065-L21)	9			
		HP BL460c Gen8 E502660 Kit (662065-B21)	9			
		Factory Integrated (662065-B21 0D1)	9			
		HP FlexFabric 10Gb 2P 554FLB FIO Adptr (684212-B21)	9			
		HP 3Y 4 hr 24x7 Proactive Care SVC (H1K92A3)	1			
		BL4xc Svr Blid HW Support (H1K92A3 7XE)	9			
5	YES	WLAN Servers		YES	1	4
		HP ProLiant DL120 G7 Server (628692-001)	1			
		Intel® Xeon® E3-1240 (4 core, 3.3 GHz, 8MB, 80W, 1333/f)	1			
		4GB PC3-10600E UDIMMs DDR3 (2x2GB)	1			
		160GB SATA 7.2K Hot Plug 3.5 HDD	2			
		HP 400W Power Supply	1			
		HP 9.5mm SATA DVD ROM Drive	1			
		HP P212/256 Smart Array Controller RAID 1	1			
		HP Embedded NC112i Gigabit Server Adapter	1			
		HP iLO Advanced 1 Server License w/ 1yr 24x7 Technical Support and Updates & iLO Port Option Kit	1			
		HP 1.83m 10A C13-UI US Power Cord	1			
Workstations						
5	YES	Agency Workstations		YES	1	4
		HP Z400 Workstation (VA798UT)	1			
		1 Intel® Xeon® Quad-Core Processor W3565 (3.2 GHz, 8 MB cache, 1066 MHz memory)	1			
		6 GB 1333 MHz DDR3 ECC Unbuffered	1			
		250 GB 7200 rpm SATA NCQ X2 HDD	2			
		RAID 1 drive set	1			
		SATA SuperMulti DVD writer	1			
		AMD FirePro V5900 2GB Graphic Card	1			
		10/100/1000 Network Interface Card	1			
		Microsoft Windows 7 Professional x64	1			
		HP Standard Limited Warranty - 3 Years Parts and on-site Labor, Next Business Day	1			
		HP Services, 3 year parts, 3 year labor, and 3 year onsite service (3/3/3) standard warranty	1			
13	YES	Customer Service Workstations		YES	2	11
		HP Z400 Workstation (VA798UT)	1			
		1 Intel® Xeon® Quad-Core Processor W3565 (3.2 GHz, 8 MB cache, 1066 MHz memory)	1			
		6 GB 1333 MHz DDR3 ECC Unbuffered	1			
		250 GB 7200 rpm SATA NCQ X2 HDD	2			
		RAID 1 drive set	1			
		SATA SuperMulti DVD writer	1			
		AMD FirePro V5900 2GB Graphic Card	1			
		10/100/1000 Network Interface Card	1			
		Microsoft Windows 7 Professional x64	1			
		HP Standard Limited Warranty - 3 Years Parts and on-site Labor, Next Business Day	1			
		HP Services, 3 year parts, 3 year labor, and 3 year onsite service (3/3/3) standard warranty	1			
1	YES	Smart Media Certification Workstation		No	0	1
		HP Z400 Workstation (VA798UT)	1			
		1 Intel® Xeon® Quad-Core Processor W3565 (3.2 GHz, 8 MB cache, 1066 MHz memory)	1			
		6 GB 1333 MHz DDR3 ECC Unbuffered	1			
		250 GB 7200 rpm SATA NCQ X2 HDD	2			
		RAID 1 drive set	1			

		SATA SuperMulti DVD writer	1			
		AMD FirePro V5900 2GB Graphic Card	1			
		10/100/1000 Network Interface Card	1			
		Microsoft Windows 7 Professional x64	1			
		HP Standard Limited Warranty - 3 Years Parts and on-site Labor, Next Business Day	1			
		HP Services, 3 year parts, 3 year labor, and 3 year onsite service (3/3/3) standard warranty	1			
2	YES	High-Volume Printer/Encoder Workstation		No	0	2
		HP Z400 Workstation (VA798UT)	1			
		1 Intel® Xeon® Quad-Core Processor W3565 (3.20 GHz, 8 MB cache, 1066 MHz memory)	1			
		6 GB 1333 MHz DDR3 ECC Unbuffered	1			
		250 GB 7200 rpm SATA NCQ X2 HDD	2			
		RAID 1 drive set	1			
		SATA SuperMulti DVD writer	1			
		AMD FirePro V5900 2GB Graphic Card	1			
		*network interface card disabled	0			
		Microsoft Windows 7 Professional x64	1			
		HP Standard Limited Warranty - 3 Years Parts and on-site Labor, Next Business Day	1			
		HP Services, 3 year parts, 3 year labor, and 3 year onsite service (3/3/3) standard warranty	1			
1		Encryption Key Generation Workstation		Yes	0	1
		HP Z400 Workstation (VA798UT)	1			
		1 Intel® Xeon® Quad-Core Processor W3565 (3.20 GHz, 8 MB cache, 1066 MHz memory)	1			
		6 GB 1333 MHz DDR3 ECC Unbuffered	1			
		250 GB 7200 rpm SATA NCQ X2 HDD	2			
		RAID 1 drive set	1			
		SATA SuperMulti DVD writer	1			
		AMD FirePro V5900 2GB Graphic Card	1			
		*network interface card disabled	0			
		Microsoft Windows 7 Professional x64	1			
		HP Standard Limited Warranty - 3 Years Parts and on-site Labor, Next Business Day	1			
		HP Services, 3 year parts, 3 year labor, and 3 year onsite service (3/3/3) standard warranty	1			
22		Monitors		Yes	4	18
		HP Compaq LA2006x 20-inch LED Backlit LCD Monitor (HP Model: LA2006x)	1			
		HP LCD Speaker Bar (HP Model: NQ576AA)	1			
SAN						
				YES		
		Cisco Aironet 1242AG Access Point (AIR-AP1242AG-A-K9)	1			
		HP P4800 G2 31.5TB SAS SAN BladeSystem (BV931A)	2			
		HP 3Y 4 hr 24x7 Proactive Care SVC (H1K92A3)	1			
		P4800 G2 SAN Solution Support (H1K92A3 28D)	2			
		HP Startup P4800 2-Node BladeSystem SVC (HA124A1 5R0)	2			
WLAN components						
5		Firewall for WLAN		YES	1	4
		Mfr Part #: ASA5505-UL-BUN-K9	1			
		CISCO ASA 5505 Appliance with SW, UL Users, 8 ports, 3DES/AES				
		ASA5505-UL-BUN-K9	3			
		Mfr Part #: CON-SNT-AS5ULBK9				
12		WLAN Access Points		YES	2	10
		Cisco Aironet 1242AG Access Point (AIR-AP1242AG-A-K9)	1			
		Cisco SMARTnet Onsite 8x5xNBD (CON-OS-AIRAPAK9)	3			
		CISCO 2.4 GHz, 5.2 dBi Mast Mount Omni Ant w/RP-TNC Connector (AIR-ANT2506)	1			
		Aironet 1200 Wall Mount Kit (AIR-AP1242MNTGKIT=)	1			
		TerraWave 18x16x10 H/C Latching Lock Enclosure 2 Holes (V181610LO2HC)	1			
Network components						
4		Network Switch Cisco Catalyst 3750X-24		YES	2	2
		WS-C3750X-24T-S: CISCO CATALYST 3750X-24T-S - SWITCH - L3 - MANAGED - 24 X 10/100/1000	1			
		CON-OS-3750X2TS:ONSITE 8X5XNBD Catalyst 3750X 24 Port Data IP Base	3			
4		Central Firewall		YES	2	2
		ASA5510-SEC-BUN-K9 - CISCO ASA 5510 Security Plus Appl with SW, HA, 2GE+3FE, 3DES/AES	1			
		CON-SNT-AS15BK9 - CISCO SMARTNET 8X5XNBD ASA5510 Sec+ w/150 VPN Prs,5FE,3DES/AES	3			
Miscellaneous						
1		Software and Licences		YES	-	-
		Windows Server 2008 R2 Standard (Part #P73-04754)	29		tbd	tbd
		Domain Time II Starter Kit (Part #GW960356)	2		tbd	tbd
		Domain Time II extra clients (Part #GW960370)	10		tbd	tbd
		Orion Network Performance Monitor - SL100 license with 1st-year maintenance (up to 100 elements) (Manufacturer Part#: 1247)	1		tbd	tbd
		VMware Standard Accel Kit for 8 proc (32GB vRAM per proc) + Production SNS Standard 3year Support	2		tbd	tbd
		VMware vSphere 5 Standard for 1 processor (with 32 GB vRAM entitlement per processor) + Basic (12x5) 3 Year Support	2		tbd	tbd
		Vmware SRM5 Std (25 VMs + Production SNS 3year Support	1		tbd	tbd
		Elec Dwnld only OLP WINRMTDSKTPSRVCSCAL 2008R2 SNGL NL USRCAL (A3064318)	5		tbd	tbd
		License for MetaFrame Presentation Server Xenapp Advanced Edition Connection Pack - 1 Concurrent User (A0366129)	5		tbd	tbd
		RemotelyAnywhere 10 Server Edition License	50		tbd	tbd

1		Backup Solution & Software		YES	1	0
		HP X1600 G2 12TB SATA Network Storage System (NAS) (6 x 2TB SATA LFF HDDs in front slots for data, 2 x 146GB SAS SFF HDDs in rear slots for OS (BV861A)	1			
		Veeam Backup & Replication 6 Standard for VMware Tier A (1-6 Cores) (V-BCKUPVS-AP000-00-A)	8			
2		Rack and Accessories			1	1
		Raritan Dominion KX2-108 - KVM switch - 8 ports - with 8x D2CIM-VUSB	1	YES		
		HP TFT7600G2 KVM Console Rackmount Keyboard Monitor 1U Console	1	NO		
		Chatsworth Products, Inc. four-post rack (50120-103)	1	NO		
		CAT6 Network Cables (*various lengths)	100	NO		
		APC AP9571A Basic Rack 10-Outlet 4.99 kVA PDU	2	NO		
2		UPS		NO	1	1
		APC Smart-UPS RT 15KVA RM 208V, 208V/120V 5KVA Step down Transformer	1			
2	YES	Compact Card Printer		NO	0	2
		Fargo DTC4500	1			
13	YES	Receipt Printer		NO	2	13
		EPSON TM-T88IV	1			
13	YES	Webcam		NO	2	13
		Logitech C510	1			