TO: Jim Scholl, City Manager

FROM: Patti Mclauchlin, Information Technology Director

DATE: 2/23/2016

SUBJECT: Network Infrastructure Equipment for New City Hall Datacenter

ACTION:

The City of Key West City Commission is respectfully requested to approve the purchase of the following Cisco data center connectivity equipment from CDW-G for Josephine Parker City Hall, at a total cost of $119,798.38. Pursuant to Section 2-797(4) (b), Exemptions, Best Interest of the City, a waiver of formal bid procedures as required by Section 2-771(3) (b) of the city code is requested. This request is supported by three (3) additional quotes obtained for the required network infrastructure equipment from Presidio, ModComp and Gov Connection (attached). It is not believed that a formal invitation to bid would result in a lower price per unit than the price being offered by CDW-G.

BACKGROUND:

The City of Key West is having a New City Hall constructed and part of this project is a state of the art secure Datacenter. This Datacenter will provide connectivity for all City operations (City, Police, and Fire) and will contain the computing and storage equipment needed for operations.

Currently, City Hall is spread out over multiple offices in the Habana Plaza strip mall. The current Cisco network infrastructure equipment cannot be repurposed for use in a Datacenter due to the models of the equipment and age. The new Cisco equipment being requested is specifically designed for Datacenters and provides a very high level of redundancy, speed and reliability. Staff is selecting Cisco equipment because the existing network infrastructure for all locations uses Cisco manufactured equipment and its reliability has proven itself. The City has utilized Cisco network equipment for more than twenty years and the IT staff that supports the equipment are certified by Cisco.

The equipment that is currently being used will be traded in and a credit against the purchase of the new equipment will be given. Cisco extended a trade-in credit for existing equipment in the amount of $6,500.00. This amount is factored into the pricing.

FINANCIAL IMPACT:

The FY 2015-16 approved capital budget contained a $215,520.00 appropriation for the new City Hall Datacenter under accounting code 303-1900-519.62.

RECOMMENDATION:

Approve the purchase of the following Cisco data center connectivity equipment from CDW-G for Josephine Parker City Hall, at a total cost of $119,798.38.

Part	Description	Unit Price	QTY	Ext Price
WS-C4510RE-S8+96V+	4510R+E Chassis, Two WS-X4748-RJ45V+E, Sup8-E	$17,899.20	1	$17,899.20
CON-SNT-WS-C451R	SNTC-8X5XNBD 4510R+E Chassis, Two	$2,187.57	1	$2,187.57
CAB-CON-C4K-RJ45	Console Cable 6ft with RJ-45-to-RJ-45	$0.00	1	$0.00
S45EUK9-S8-36E	CAT4500e SUP8e Universal Crypto Image	$0.00	1	$0.00
C4K-SLOT-CVR-E	Catalyst 4500 E-Series Family Slot Cover	$0.00	3	$0.00
WS-X4748-RJ45V+E	Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)	$0.00	1	$0.00
WS-X4748-RJ45V+E	Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)	$0.00	1	$0.00
WS-X45-SUP8-E	Catalyst 4500 E-Series Supervisor 8-E	$0.00	1	$0.00
SFP-10G-SR	10GBASE-SR SFP Module	$539.69	4	$2,158.76
WS-X45-SUP8-E/2	Catalyst 4500 E-Series Redundant Supervisor 8-E	$10,845.29	1	$10,845.29
SFP-10G-SR	10GBASE-SR SFP Module	$539.69	4	$2,158.76
WS-X4748-RJ45V+E	Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)	$4,878.89	1	$4,878.89
WS-X4748-RJ45V+E	Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)	$4,878.89	1	$4,878.89
WS-X4748-RJ45V+E	Catalyst 4500E 48-Port PoE 802.3at 10/100/1000(RJ45)	$4,878.89	1	$4,878.89
PWR-C45-4200ACV	Catalyst 4500 4200W AC dual input Power Supply (Data + PoE)	$1,624.49	1	$1,624.49
CAB-C19-CBN	Cabinet Jumper Power Cord, 250 VAC 16A, C20-C19 Connectors	$0.00	4	$0.00
PWR-C45-4200ACV/2	Catalyst 4500 4200W AC dual input Power Supply (Data + PoE)	$1,624.49	1	$1,624.49
C4500E-LB-IPB	Lan Base to IP Base license	$5,433.08	1	$5,433.08
N5672UP-4FEX-1G	N5672UP Chassis with 4 x 1G FEXes with FETs	$33,628.80	1	$33,628.80
CON-SNT-72FX41G	SNTC-8X5XNBD N5672UP Chassis with 4 x 1G FEXes with F	$0.00	1	$0.00
SFP-10G-SR	10GBASE-SR SFP Module	$539.69	6	$3,238.14
SFP-H10GB-CU1M	10GBASE-CU SFP+ Cable 1 Meter	$54.24	2	$108.48
N2K-C2248TPE-FA-B	Standard Airflow pack:N2K-C2248TP-E-1GE, 2 AC PS, 1Fan	$0.00	4	$0.00
CON-SNT-2248EFAB	SNTC-8X5XNBD Standard Airflow pack:N2K-C2248TP-E-1GE	$157.85	4	$631.40
CAB-C13-C14-JMPR	Recessed receptacle AC power cord 27in	$0.00	8	$0.00
FET-10G	10G Line Extender for FEX	$0.00	32	$0.00
N5672-ACC-KIT	Nexus 5672 Chassis Accessory Kit	$0.00	1	$0.00
N5K-C5672UP-BUN	Nexus 5672UP 1RU, 32x10G SFP+, 16pxUP SFP+, 6x40G QSFP+	$0.00	1	$0.00
CON-SNT-5672UPB	SNTC-8X5XNBD Nexus 5672UP 1RU, 32	$1,261.26	1	$1,261.26
CAB-C13-CBN	Cabinet Jumper Power Cord, 250 VAC 10A, C14-C13 Connectors	$0.00	2	$0.00
N6KUK9-710N1.1B	Nexus 5600/6000 Base OS Software Rel 7.1(0)N1(1b)	$0.00	1	$0.00
N56-BAS1K9	Nexus 5600 Series LAN Base License	$0.00	1	$0.00
NXA-PAC-1100W	Nexus 1100W Platinum PS, Port side Exhaust airflow	$0.00	2	$0.00
N6K-C6001-FAN-F	Nexus 6001 Fan for Port Side exhaust (Front to Back) airflow	$0.00	3	$0.00
N1K-VLCPU-96-ESSTL	Nexus 1000V Essential Edition Paper Delivery License Qty 96	$0.00	1	$0.00
N56-VMFEX9	Nexus 5600 VM-FEX license	$0.00	1	$0.00
N5K-C5672UP	Nexus 5672UP 1RU, 32x10G SFP+, 16pxUP SFP+, 6x40G QSFP+	$17,356.80	1	$17,356.80
CON-SNT-5672UP	SNTC-8X5XNBD Nexus 5672UP 1RU, 32	$1,432.97	1	$1,432.97
SFP-10G-SR	10GBASE-SR SFP Module	$539.69	6	$3,238.14
N5672-ACC-KIT	Nexus 5672 Chassis Accessory Kit	$0.00	1	$0.00
CAB-C13-CBN	Cabinet Jumper Power Cord, 250 VAC 10A, C14-C13 Connectors	$0.00	2	$0.00
N6KUK9-710N1.1B	Nexus 5600/6000 Base OS Software Rel 7.1(0)N1(1b)	$0.00	1	$0.00
N56-BAS1K9	Nexus 5600 Series LAN Base License	$0.00	1	$0.00
N56-VMFEX9	Nexus 5600 VM-FEX license	$0.00	1	$0.00
NXA-PAC-1100W	Nexus 1100W Platinum PS, Port side Exhaust airflow	$0.00	2	$0.00
N6K-C6001-FAN-F	Nexus 6001 Fan for Port Side exhaust (Front to Back) airflow	$0.00	3	$0.00
N1K-VLCPU-96-ESSTL	Nexus 1000V Essential Edition Paper Delivery License Qty 96	$0.00	1	$0.00
SFP-H10GB-CU1M	10GBASE-CU SFP+ Cable 1 Meter	$54.24	2	$108.48
PRO-LC-LC-7M5OM3	PROLINE 7M 10GB	$28.20	8	$225.60
TOTAL		$110,383.91		$119,798.38