


CENTRAL FLORIDA EXPRESSWAY AUTHORITY

MEMORANDUM

TO: CFX Board Members

FROM: Claude Miller 
Director of Procurement

DATE: December 22, 2015

RE: Approval of Purchase Order for Carousel Industries for
Upgrades, Expansion, and Links

Board approval is requested to issue a purchase order in the amount of \$303,762.44 to Extreme Network's authorized vendor Carousel Industries. Unit prices for the required items are based on GSA Contract #GS-35F-0511T.

This purchase order will provide the following: upgrade primary data center to secondary data center and rack-to-rack communications with improved fault tolerance, performance and growth options; provide a failover path for CFX Headquarters personnel to the secondary data center should the CFX primary data center fail; upgrade network core link bandwidth from all mainline plazas to both primary and secondary data centers.



Central Florida Expressway - Tolls X670-G2s and Black Diamond 8810's
Extreme Networks

Created By: Darin Back
 Account Executive: Kenneth Jones
 Report Created: November 19, 2015
 Tracking Number: 222288 GS-35F-0511T

Product	Deliverable	Part #	Description	Qty	MSRP/Unit	MSRP/Total	Extended Price
Summit X670-G2	17310	48 10GBASE-X SFP+ and 4 40GBASE-X QSFP+, ExtremeXOS Advanced Edge License, unpopulated dual PSU power slot , and 3 unpopulated fan airflow slots	2	\$19,320.00	\$38,640.00	\$16,487.69	
	17111	Fan module for Summit X670 series switches, Front-to-Back airflow, spare	6	\$495.00	\$2,970.00	\$1,267.30	
	10925	550W AC Power Supply module for Summit switches, Front-to-Back airflow	4	\$595.00	\$2,380.00	\$1,015.55	
	10061	Pwr Cord, 10A,NEMA 5-15P,C13	4	\$15.00	\$60.00	\$25.60	
	10302-AO	10 Gigabit Ethernet SFP+ module, 1310nm, SMF 10km link, LC connector	10	\$590.00	\$5,900.00	\$4,366.00	
	10309-AO	10 Gigabit Ethernet SFP+ module, 1550nm, SMF 40km link, LC connector	2	\$1,500.00	\$3,000.00	\$2,220.00	
						\$0.00	\$0.00
Black Diamond 8810	41011	BD 8810 10- Slot Chassis	2	\$6,995.00	\$13,990.00	\$5,969.53	
	41231	BD 8900-MSM128	4	\$16,995.00	\$67,980.00	\$29,007.07	
	60020	700W/1200W 100-240VAC Power Supply Unit	12	\$2,995.00	\$35,940.00	\$15,335.60	
	10041	Pwr Cord,10A,NEMA 5-15P,IEC320-C13,Right Angle	12	\$15.00	\$180.00	\$76.81	
	41632B	DCB, BlackDiamond 8900 24-port 10GBASE-X SFP+	4	\$24,995.00	\$99,980.00	\$42,661.47	
	10302-AO	10 Gigabit Ethernet SFP+ module, 1310nm, SMF 10km link, LC connector	96	\$590.00	\$56,640.00	\$41,913.60	
						\$0.00	\$0.00
Summit X460-G1	16126	2 x 10GbE SFP+ port interface module - rear pluggable in Slot A on X460 and E4G-400 platforms, supporting SummitStack-V (and SyncE when used with E4G-400)	10	\$1,496.00	\$14,960.00	\$6,383.43	
Additional Items-	10309-AO	10 Gigabit Ethernet SFP+ module, 1550nm, SMF 40km link, LC connector	30	\$1,500.00	\$45,000.00	\$33,300.00	
	10310-AO	10 Gigabit Ethernet SFP+ module, 1550nm, SMF 80km, LC connector	10	\$2,500.00	\$25,000.00	\$18,500.00	
Black Diamond 8806 w/128MSM	41632B	DCB, BlackDiamond 8900 24-port 10GBASE-X SFP+	2	\$24,995.00	\$49,990.00	\$21,330.73	
Black Diamond 8810	41531	BD 8900-G4BT-xi	2	\$12,995.00	\$25,990.00	\$11,089.93	
Summit X460-G2	16711	Optional Virtual Interface Module for the rear of the X460-G2 providing 2 10GBASE-X ports unpopulated SFP+	15	\$995.00	\$14,925.00	\$6,368.50	
	16704	Summit X460-G2 48 10/100/1000BASE-T PoE+, 4 1000/10GBaseX unpop'd SFP+ ports, Rear VM Slot (unpop'd), Rear Timing Slot (unpop'd), 2 unpop'd PSU slots, fan module slot (unpop'd), ExtremeXOS Edge license	2	\$8,100.00	\$16,200.00	\$6,912.54	
	10941	Summit 1100W AC PSU FB	4	\$1,095.00	\$4,380.00	\$1,868.95	
	10945	FAN Module for Summit X460-G2 Series Switches - front to back airflow	2	\$295.00	\$590.00	\$251.75	
	16710	Optional Virtual Interface Module for the rear of the X460-G2 providing 2 40GBASE-X ports unpopulated QSFP+	2	\$2,495.00	\$4,990.00	\$2,129.23	
	10311	0.5m QSFP+ Passive Copper Cable	2	\$250.00	\$500.00	\$213.35	
	10100	PWR CORD,15A, ROW/USA, C14,C15	4	\$25.00	\$100.00	\$42.67	
Summit X460-G1	16126	2 x 10GbE SFP+ port interface module - rear pluggable in Slot A on X460 and E4G-400 platforms, supporting SummitStack-V (and SyncE when used with E4G-400)	15	\$1,496.00	\$22,440.00	\$9,575.15	
					Sub-Total	\$552,725.00	\$278,312.44

Installation - Project Management

Deliverable	Part #	Description	Qty	MSRP/Unit	MSRP/Total	Extended Price	
					\$0.00	\$0.00	
					\$0.00	\$0.00	
					\$0.00	\$0.00	
					Sub-Total	\$0.00	\$0.00

Manufacturer Training & Professional Services

Deliverable	Part #	Description	Qty	MSRP/Unit	MSRP/Total	Extended Price	
					\$0.00	\$0.00	
					\$0.00	\$0.00	
					\$0.00	\$0.00	
					Sub-Total	\$0.00	\$0.00

Support Contract

Deliverable	Part #	Description	Qty	MSRP/Unit	MSRP/Total	Extended Price	
16126	97004-16126	EW NBD AHR E4G 16126	25	\$180.00	\$4,500.00	\$4,500.00	
16704	97004-16704	EW NBD AHR 16704	2	\$405.00	\$810.00	\$810.00	
16710	97004-16710	EW NBD AHR 16710	2	\$125.00	\$250.00	\$250.00	
16711	97004-16711	EW NBD AHR 16711	15	\$50.00	\$750.00	\$750.00	
17310	97004-17310	EW NBD AHR 17310	2	\$1,450.00	\$2,900.00	\$2,900.00	
41011	97007-8810	EW 4HR AHR ASPEN	2	\$3,640.00	\$7,280.00	\$7,280.00	
41231	97007-MSM128	EW 4HR AHR BD MSM128	4	\$2,240.00	\$8,960.00	\$8,960.00	
					Sub-Total	\$25,450.00	\$25,450.00

	MSRP	EXTENDED
Product Total	\$552,725.00	\$278,312.44
Installation - Project Management Total	\$0.00	\$0.00
Training -Professional Services Total	\$0.00	\$0.00
Support Contract Total	\$25,450.00	\$25,450.00
TOTAL	\$578,175.00	\$303,762.44

NOTES: