

TO: David Billingsley, Chief Procurement Officer

FROM: Allen Johnson 

DATE: January 23, 2017

SUBJECT: Ampthink Negotiated Procurement Request

Orlando Venues is requesting approval to procure a Wi-Fi infrastructure upgrade at the Amway Center via of a negotiated procurement. The quoted services will upgrade and or augment select antennas in the catwalk and the promenade levels to increase coverage levels in the seating bowl. Ampthink has been the vendor of record for the installation and maintenance of the Wi-Fi infrastructure since 2012 and they were originally subcontracted to provide the initial installation and configuration of the Wi-Fi network during construction of the building. Ampthink has extensive knowledge of the venue and is an industry leader in high density Wi-Fi in sporting venues. The cost is estimated at \$121,371.00 and the funding source is Amway Center capital repair and replacement funds, VEN0004_P.

Please direct any questions to Clyde Boutte at (407) 440-7051.

Thank You.

January 5, 2017

David Billingsley
Chief Purchasing Officer
City of Orlando
400 South Orange Avenue
Orlando, FL 32802

Re: Amway Center

Subject: Capital Repairs / Improvements to be funded

The following items have been reviewed and approved by the City of Orlando and Orlando Magic to be budgeted from the Amway Center Capital Repairs/Capital Improvements Ven0002-P fund. In order to effectively track expenditures this letter is generated for written approval to budget for these items for which subsequent purchase orders will be submitted.

POS Hospitality Software Update License & Support ORACLE	\$22,897.84
WiFi Upgrade(Hardware, Design, Wireless Controls, AP's, Event Support, etc) AMPTHINK	\$121,371.55 \$134,930.55
Cisco Network-Control System SmartNet 8X5XNBD PC CONNECTION SALES CORP.	\$994.45
Premier Support for MICROS Touch Screen Tablets Magnetic card readers & 2D imager/scanners ORACLE	\$2,269.37
ProAudio Chassis Upgrade – Rackmount Hardware CLICK EFFECTS	\$2,200.00
Intercom Support, Warranty - Gold level RIEDEL COMMUNICATIONS, INC.	\$5,590.00
T200 Tape Library, Added Drive Capacity SPECTRA LOGIC CORP.	\$9,724.80 ²⁷⁴
CrossFire HD Dual Channel/BackDraft Media Servers Warranty renewal CLICK EFFECTS	\$14,600.00

Ross Inception/Xpression Warranty (Social Media
Aggregation, Moderation, Display Platform)
ROSS VIDEO LIMITED

\$24,425.95

(3) MAC's for Video Control Room + Monitors
PC CONNECTION SALES CORP.

\$26,558.34

Total:

~~\$244,191.30~~

230,182.30



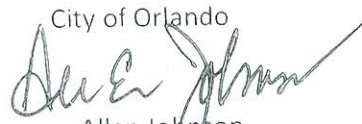
The following signatures reflect concurrence with this.

Orlando Magic



Charles Y. Freeman
Chief Operating Officer

City of Orlando



Allen Johnson
Executive Director



AMP THINK

3827 Dividend Dr
Garland, TX 75042

R&R

Estimate

Date	Estimate #
1/11/2017	2619

Quoted To:

Amway Center
City of Orlando - Orlando Venues
400 West Church Street
Orlando, FL 32801

Terms

Net 30

AM

Project

AWS

0004-2016WiFiRefresh

Item	Description	Qty	Rate	Total
AIR-AP3802P-B-K9	Hardware 802.11ac W2 AP w/CA; 4x4:3; Mod; Pro Ext Ant; mGig -B Domain	30.00	962.50	28,875.00
AIR-CAB002-DART-R=	2 ft Smart Antenna Connector to RP-TNC connectors	20.00	180.95	3,619.00
AIR-CAP3702P-A-K9	802.11ac Ctrlr AP 4x4:3SS w/CleanAir;Pro-install;A Reg Dom.	9.00	877.25	7,895.25
AMP-ANT-STADIUM	4-Port Directional H/V MIMO Antenna	59.00	390.00	23,010.00
AIR-ANT2566-P4W-R=	2.4 GHz 6dBi/5 GHz 6 dBi Directional Antenna, 4 port, RP-TNC	4.00	494.45	1,977.80
WS-C3560CX-12PC-S	Cisco Catalyst 3560-CX 12 Port PoE IP Base	2.00	1,152.25	2,304.50
CON-SNT-WSC312PC	SNTC-8X5XNBD Cisco Catalyst 3560-CX 12 Port PoE IP Ba	2.00	132.00	264.00
GLC-SX-MMD=	Cisco GLC-SX-MM 1000Base-SX SFP (mini-GBIC)	4.00	275.00	1,100.00
C3KX-PWR-715WAC=	Catalyst 3K-X 715W AC Power Supply	2.00	632.50	1,265.00
	Services			
Consulting, Networking	Network Design - Project Leadership	15.00	165.00	2,475.00
Consulting, Networking	Program Management	1.00	1,850.00	1,850.00
	RF Design Lead			
Consulting, Networking	Network Design - Project Delivery	10.00	95.00	950.00
	Physical Network Design			
Documentation	Pre-Construction - Project Delivery	10.00	115.00	1,150.00
	Construction Plan Development			
Staging	Pre-Construction - Staging	177.00	39.00	6,903.00
	Stage and kit access points			
Consulting, Networking	Construction - Supervision	1.00	4,900.00	4,900.00
	RF Advocate - On-site Consultant			
Installation, Network	Construction - Wireless - Controllers & Access Points	1.00	15,983.00	15,983.00
	Access Point, Antenna, Cable, and Switch Installation			
Consulting, Networking	Post Construction - Wireless - Controllers & Access Points	1.00	1,850.00	1,850.00
	RF Tuning Lead			
		Total		



AMP THINK

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Garland, TX 75042

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Amway Center
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400 West Church Street
Orlando, FL 32801

Terms

Net 30

AM

Project

AWS

0004-2016WiFiRefresh

Item	Description	Qty	Rate	Total
Consulting, Networking	Optimize - Post Installation WiFi Tuning (1 resource per team)	1.00	1,900.00	1,900.00
Consulting, Networking	Post Construction - Supporting Services (WNMS) Configure - Supporting Appliances	1.00	1,850.00	1,850.00
Consulting, Networking	Post Construction - Documentation & Event Support Event Support	1.00	1,250.00	1,250.00
Travel Expenses	Estimated expenses. Actuals to be invoiced	1.00	4,500.00	4,500.00
Shipping-Handling	Shipping and Handling	1.00	5,500.00	5,500.00
	Total Sales Tax		0.00	0.00
		Total	\$121,371.55	