Arlington High School Building Committee

Meeting Date: **Tuesday, September 14, 2021 - 6:00 p.m.**
Location: **Conducted via Remote Participation**

Agenda

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1. Skanska Update
   - Networking Proposal Review/Approval
   - Owner Approval Letter (OAL) #49 Auditorium fall protection Review/Approval

2. Consigli Update

3. Subcommittee Reports
   - Communications
   - Finance
   - Interiors
   - Landscape & Exteriors
   - Memorials
   - SMEPFP
   - Security
   - Temp Use-Phasing

4. Approval of Minutes
   - August 3, 2021

5. New Business

The listings of matters are those reasonably anticipated by the Chair which maybe discussed at the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law.

Members of the public are asked to send written comment to kfitzgerald@arlington.k12.ma.us. Documents regarding agenda items will be made available via the Town's website.

https://www.mass.gov/doc/open-meeting-law-order-march-12-2020/download

Adam Chapdelaine is inviting you to a scheduled Zoom meeting.
Topic: AHS Building Committee
Time: Sep 14, 2021 06:00 PM Eastern Time (US and Canada)
Join Zoom Meeting
https://town-arlington-ma-us.zoom.us/j/86811840066
Meeting ID: 868 1184 0066
One tap mobile
+13017158592,,86811840066# US (Washington DC)
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Dial by your location
    +1 301 715 8592 US (Washington DC)
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    +1 669 900 6833 US (San Jose)
    +1 253 215 8782 US (Tacoma)
    +1 346 248 7799 US (Houston)
Meeting ID: 868 1184 0066
Find your local number: https://town-arlington-ma-us.zoom.us/u/kjXtdghGU

AHSBC 9/14/2021 – Meeting Materials Package

Table of Contents

Draft Vote Language

1. Motion to award Network Voice Wireless (Quote A) for the Phase 1 Technology Equipment and Systems Infrastructure for a total of $1,231,592.95.

2. Motion to award the following subcontract per OAL #49:

OAL #	Division	Subcontractor	OAL Amount
OAL #49	Auditorium Fall Protection	Safe Approach Inc.	$ 18,427

1. Motion to approve the 8/3/2021 AHSBC Meeting Minutes.

2. Motion to approve the 8/26/2021 AHSBC Meeting Minutes.

Arlington High School
Technology Equipment
9/13/2021

Technology Equipment and Systems Summary

Tech Equipment and Systems Budget	$4,036,500
This Recommendation - Infrastructure	$1,231,593
To be Purchased - Classrooms & Labs, Computers - General	$2,379,124
Purchased - Chromebooks	$269,384
Subtotal	**$3,880,101**
Balance Remaining	**$156,399**

Technology Equipment and Systems Budgeting:

	Category	Item	Quantity	Unit	Unit Cost	Extension
Infrastructure						
	Network, Voice, Data, & Wireless		1	LS	1,231,592.95	1,231,592.95
					Subtotal - Infrasturcture	**1,231,592.95**
Classrooms and Labs						
	Classroom and similar spaces	Displays and accessories	142	EA	5,000	710,000
	Classroom/Labs - Special Programs	Program Specific Equipment	27	EA	45,000	1,215,000
	Document Cameras (50% of rooms))	IPEVO 4K UHD 8MP USB	71	EA	224	15,904
	Asset tagging and data compilation		1	LS	7,820	7,820
						-
Computers - General						-
	Chromebooks (950 of the 1,700 still to be purchased)		950	EA	420	399,000
	Charging carts for library	DELL CT36UC20 (36 devices)	4	EA	2,600	10,400
Escalations and Related Items			1	LS	21,000	21,000
			Subtotal - Classrooms & Labs, Computer - General, Escalations and Related Items			**2,379,124**
Already Purchased						
	Chromebooks (already purchased on 6/20/21)		800	EA	336.73	**269,384**

QUOTE A - CONTRACT PRICING FORMS
Arlington Public Schools - New High School Project
Voice - Data LAN - Data WLAN - Data Server Infrastructures

VoIP Equipment Details

Equipment Pricing is based on equipping the New High School facility with new IP Gateway Components w/ PCS Survivable Passive Server, Communication Interfaces and Licensing required to support the Net New User Adds completing the High School Build Out. Transference of Existing Licenses from Old HS to New will transpire at time of Phased Release and Activation. Note: IP Set Qtys Declared on this New Order take into account existing sets under current use in the existing facility and New IP sets not yet deployed inventoried in the existing facility that will be transferred upon Phased Moves per the construction schedule. See Appendix B - IP Set Allocation Chart for details.

VOICE OVER IP SYSTEM EQUIPMENT

Mfr. Part No.	Description	Qty	Unit Price	Extended Price
	Voice boards (AA35)			
3BA00758AA	Pack including one GA3 board equipped with one additional ARMADA board	1	$ 1,552.00	$ 1,552.00
3EH73007AC	Digital Public Access Board - 1 Primary Rate T1 Access	1	$ 465.60	$ 465.60
3EH73031AD	APA8 Analog trunk access board for 8 trunk lines	1	$ 205.60	$ 205.60
3EH73034AB	CLIDSP APA daughtercard for local management of CLI signals	1	$ 31.20	$ 31.20
3EH73092AC	Analog Interfaces Board SLI8-2 : 8 analog interfaces	1	$ 277.60	$ 277.60
	Data infrastructure (AA36)			
3BA00835AA	"Passive Communication Server board equipped with CS-3 CPU Board with SDRAM and hard dis	1	$ 403.65	$ 403.65
3BA03215AA	Generic power cord	1	$ 6.75	$ 6.75
3EH75001AB	Mounting kit for Rack 3	1	$ 26.10	$ 26.10
3EH76034AA	Blind slot stiffner (x1)	3	$ 5.40	$ 16.20
3EH76156AA	7AH/12V battery	3	$ 22.05	$ 66.15
3EH76177AC	External stack battery box 36V for OmniPCX Office Rack 3	1	$ 39.60	$ 39.60
	Basic packages (AA45)			
3BA00751UA	Alcatel-Lucent IP Media Gateway (GD3/MR3), with 110V power supply (must be used with externa	1	$ 1,212.50	$ 1,212.50
	Applications (CC11)			
3BA09052KU	OmniVista 8770 release 4.2 upgrade software license	1	$ 0.04	$ 0.04
3BA09105KA	Java Runtime Environment support integrated in SPS contract for OmniVista 8770	1	$ 0.04	$ 0.04
3BA09105KD	Java Runtime Environment support integrated in SPS contract for OpenTouch Multimedia Service	1	$ 0.04	$ 0.04
3BA09665AA	CSTA 500 bypass software license	1	$ 0.03	$ 0.03
3BA09836JA	Master Conference Service software license - 1 user	387	$ 2.40	$ 928.80
3BA09840JA	ABC Network service software license (including ARS, H323, ABC CDR) - 1 user	387	$ 4.40	$ 1,702.80
3BA09919JA	OmniVista 8770 Full Pack - User license	587	$ 3.96	$ 2,324.52
3BA09933JA	OmniVista 8770 upgrade free of charge - User license	1	$ 0.04	$ 0.04
	User software licenses (CC40)			
3BA09018JA	Free of charge upgrade Stand-Alone	1	$ 0.03	$ 0.03
3BA09046JA	Software License for "Passive Communication Server" (PCS) - from 1 to 15 licenses, price per lic	1	$ 776.00	$ 776.00
3BA09056KU	OpenTouch Multimedia Services upgrade to 2.6 software release license	1	$ 0.04	$ 0.04
3BA09080KA	Alcatel-Lucent OmniPCX Enterprise R12.4 software license	1	$ 0.04	$ 0.04
3BA09083KU	Upgrade from OT 8450 Fax Server to OpenTouch Fax Center R9.0 software license	1	$ 0.04	$ 0.04
3BA09519JA	OpenTouch Multimedia Services Free of charge upgrade	1	$ 0.04	$ 0.04
3BA09663JA	OpenTouch Connection user license	274	$ 0.04	$ 9.86
3BA09697JA	OpenTouch Multimedia Services messaging user option - 1 user license	274	$ 18.90	$ 5,178.60
3BA09791JA	OpenTouch multimedia conferencing user option	10	$ 86.40	$ 864.00
3BA09845JA	Analog Premium license - 1 user	8	$ 28.80	$ 230.40
3BA09846JA	IP Premium license - 1 user	362	$ 57.20	$ 20,706.40
3BA09849JA	Mobile WLAN IP Touch Premium license - 1 user	5	$ 57.20	$ 286.00
3BA09850JA	SIP Premium license - 1 user	12	$ 57.20	$ 686.40
3BA09903JA	Free migration license for 1 user for OpenTouch Fax Center - Fax services software	50	$ 0.04	$ 1.80
3BA09912JA	OmniPCX Enterprise High Availability – 1 Business Telephony user license	387	$ 0.44	$ 170.28
	IP sets (DD15)			
3MG27201AB	8018 Deskphone Moon Grey, NOE-SIP, 64x128 backlit black white LCD, 6 soft keys, Handsfree.	185	$ 116.55	$ 21,561.75
3MG27203US	"8058s US Premium Deskphone Moon Grey, 3,5"" 320x240 Color display, Wide Band Corded Co	73	$ 185.40	$ 13,534.20
3MG27206US	"8068s US Premium Deskphone BT Moon Grey, 3,5"" 320x240 Color display, Wide Band Bluetoo	4	$ 301.95	$ 1,207.80
	OEM Hardware (FF13)			
3BN78403AB	Desktop charger with UK-US-AUS mains plug for Alcatel-Lucent OmniTouch 81x8 WLAN Handse	5	$ 46.40	$ 232.00

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3BN78421AA	Alcatel-Lucent 8158s WLAN Handset includes set, battery, belt clip, regulatory sheet	5	$	295.20	$	1,476.00
3MG07040AA	Bundle 8135s, Power Supply Expansion Micro	12	$	859.20	$	10,310.40
	OEM Software (FF14)					
3BA00797AA	OpenTouch SBC -1 SIP Call / SIP Network link pack	48	$	43.20	$	2,073.60
3BA04377AA	Migration from OTMS integrated Fax Server to external OpenTouch Fax Center - for tracking	1	$	0.07	$	0.07
3BA09503JA	OpenTouch SBC software - Engine	1	$	695.20	$	695.20
3BA09915JA	OpenTouch SBC software license R2.3	1	$	0.07	$	0.07
3BA09974JB	Suse Linux support renewal with valid SPS contract	1	$	0.07	$	0.07
	Software Support Services (NN02)					
3EY10002SA	OmniPCX Enterprise SPS	1	$	1,146.92	$	1,146.92
3EY10040NE	OmniPCX Enterprise SPS - Renewal 5 years	1	$	10,898.95	$	10,898.95
3EY14001SA	OmniVista 8770 SPS	1	$	159.88	$	159.88
3EY14006NE	OmniVista 8770 SPS - Renewal 5 years	1	$	2,050.71	$	2,050.71
3EY14008SA	OpenTouch SPS	1	$	626.08	$	626.08
3EY14014NE	OpenTouch SPS - Renewal 5 years	1	$	6,907.59	$	6,907.59
	User software licenses (CC40)					
3BA09183JB	ABC-F on IP trunk group by-pass license	2	$	0.04	$	0.07
	OEM Software (FF14)					
3BA09811JA	Suse Linux support	1	$	352.00	$	352.00
	Vertical and Communications Applications (GG42)					
3BA09032KA	Visual Notification Assistant - 1 user	10	$	8.55	$	85.50
3BA09034KA	Visual Notification Assistant Rainbow - 1 user	10	$	4.28	$	42.75
3BA09035KA	Visual Notification Assistant Mass broadcast - 1 user	10	$	8.55	$	85.50
3BA09100KA	Visual Notification Assistant software license R1.4	1	$	0.09	$	0.09
	Software Support Services (NN02)					
3EY10002SA	OmniPCX Enterprise SPS	1	$	356.40	$	356.40
3EY19001SA	Visual Notification Assistant SPS	1	$	9.11	$	9.11

Sub Total VoIP Equipment / Licensing / Support	**111,981.86**

PROFESSIONAL SERVICES VOIP PLATFORM

Platform Upgrade - Systems Integration for Cloud Connect and VM Rehosting for HA Service	On-Site & Remote Professional Services to perform Complete Platform Upgrade to latest release in suppo0rt of new HS Project. Upgrade to include VAA, Rehosting of VM for Cloud License Connect in support of VM HA and Maintenance.	1	$	15,742.35	$	15,742.35
Program & Project Management	On-Site & Remote Professional Services to provide required program and project management services throughout the phased implementation of the VoIP project.	1	$	22,475.00	$	22,475.00
Install Pro Services Programming - Integration	On-Site & Remote Professional Services to provide the listed equipment and integrate into the district's existing Voice Platform. Integration includes the creation of the User Extension Listing, Call Flow and Call Coverage Programing, Voice Mail and Auto Attendant Creation, integration to facility paging system, E911 call management, VAA Virtual Auto Attendant, VNA Virtual Notification Assistant, site connectivity to existing Voice Core Platform, Coordination and connection carrier services, copper and fiber failover configuration and testing. Site Integration into owners VoIP Management Platform.	1	$	8,015.00	$	8,015.00
Install Field Services	Install services, catalog, Label, Asset Tag and install VoIP end points at all identified locations within the facility construction drawings. Install includes patching and connectivity onto LAN Switches as designated for VoIP End Point connections.	1	$	24,900.00	$	24,900.00
Testing & Documentation	Perform complete testing of VoIP Infrastructure w/ Documentation provided in MS Excel on extension / users lists, set assignments and call flow. Back up files of all configurations shall be created onto owners VoIP management platform.	1	$	1,450.00	$	1,450.00
Training	Provide Training on the VoIP platform to be coordinated with APS. Provide 24 hours of end user and admin level training.	1	$	3,000.00	$	3,000.00
On-Site Support	Provide On-Site Support of (2) qualified and trained personnel during the first for 2 full days of facility occupancy for each Phase of facility occupancy .	1	$	4,400.00	$	4,400.00

Sub Total VoIP Equipment / Licensing / Support	**79,982.35**

Total - VoIP System:	**$191,964.21**

QUOTE A - CONTRACT PRICING FORMS
Arlington Public Schools - New High School Project
Voice - Data LAN - Data WLAN - Data Server Infrastructures

HIGH SCHOOL - SERVER DATA CENTER LAN INFRASTRUCTURE EQUIPMENT

Mfr. Part No.	Description	Qty	Unit Price	Extended Price
SFP-10G-T	10 Gigabit copper transceiver (SFP+). 10GBase-T 10 Gigabit ethernet Transceiver (SFP MSA) - Supports category 6a/7 cabling copper cabling up to 30m. This transceiver supports 10Gbs full-duplex mode only.	2	$ 495.00	$ 990.00
SFP-10G-LR-K12	SFP-10G-LR transceiver for K-12 Education Accounts Only.	23	$ 526.68	$ 12,113.64
OS6560-P48X4-US	OS6560-P48X4 GigE fixed chassis 48 RJ-45 PoE 10/100/1G BaseT, 2 fixed SFP (1G), 4 fixed SFP+ (1G/10G) uplink/stacking ports. 1RU size, 920W AC power supply. Includes United States power cord, guides, and 19" rack mount hardware.	2	$ 3,030.72	$ 6,061.44
SFP-10G-C7M	10 Gigabit direct attached cable (DAC, uplink/stacking) 7m, SFP+	1	$ 118.80	$ 118.80
SFP-1G-T	SFP-1G-T: Fixed speed 1000Base-T Gigabit Ethernet Transceiver SFP MSA. Supports category 5, 5E, and 6 copper cabling up to 100m. SFP works only at 1000 Mbit/s speed and fullduplex mode.	2	$ 117.00	$ 234.00
OS6560P48Z16-US	OS6560-P48Z16: Multi-GigE fixed chassis in 1RU size. Includes 16 RJ-45 100/1G/2.5G BaseT HPoE, 32 RJ-45 10/100/1G BaseT PoE, 4xSFP+(1G/10G) and 2x20G stacking ports, 920W AC supply, US power cord, user guides and 19" rack mount hardware.	1	$ 3,693.69	$ 3,693.69
OS6560-CBL-300	OS6560 20 Gigabit direct attached stacking copper cable (300 cm, QSFP+)	1	$ 248.05	$ 248.05
OS6900X48-F-US	1RU 10GE L3 fixed chassis with 48 10G SFP+ ports and 6 100G QSFP28 ports. SFP+ ports operate as 1/10GE. QSFP28 ports operate as 100GE/40GE/4x25GE/4x10GE. Front to back cooling. Includes dual AC power supplies,cord,manuals access card and rack mounts.	1	$ 12,312.30	$ 12,312.30
QSFP-100G-C1M	100 Gigabit direct attached copper cable (1m, QSFP28)	1	$ 178.20	$ 178.20
SW5N-OS6560	5YR SUPPORT Software for all OS6560 models. Includes 24x7 Remote Telephone Support, 24x7 Remote Problem Diagnosis, access to Software Updates and Upgrades, and access to support portal.	2	$ 420.00	$ 840.00
SP5N-OS6900	5YR SUPPORT Plus for all OS6900 Chassis models. Includes 24x7 Remote Support & Diagnosis, access to SW Updates & support portal, and next business day advance HW replacement. Chassis, PSU, modules and fantray are included. Availability per country.	1	$ 5,257.25	$ 5,257.25
Sub Total Server Data Center Switching Equipment / Licensing / Support				**42,047.37**

PROFESSIONAL SERVICES SERVER DATA CENTER INFRASTRUCTURE

Mfr. Part No.	Description	Qty	Unit Price	Extended Price
Program & Project Management	On-Site & Remote Professional Services to provide required program and project management services throughout the phased implementation of the Data Center Core Switching Infrastructures, VM Servers / Hosts and all Municipal Network Assets.	1	$ 3,252.00	$ 3,252.00
Install Pro Services Programming - Integration	Installation services include the programming of the network Servers and Municipal Area Network assets LAN Switches per owner's requirements. Settings include Failover to secondary Switches & backbones servicing Institutional area network, VLAN's and Subnets with defined access control, port mobility and dynamic port assignment, integration of all LAN/ Server Agg Switch assets into customers Management platform. Creation of Data Center Topology Map in management platform w/ alarms and notifications set up as directed. Creation of IP Scopes and DHCP settings to allow for plug and play connectivity across the Server Farm network. Establishing Spatially Redundant connection between all Dual Nic assets across the Server and Core Aggregation Switches/	1	$15,196.00	$15,196.00
Install Field Services	Install services, Catalog, Label, Asset Tag and install Core & LAN Switches. patch out all defined assets w/ appropriate labeling schema, document all Power UPS Feeds between Primary and Secondary Power Supplies. Provide On-Site Cutover Support over a 3 day period to include restacking all network assets into logical rack elevations, provide rack to rack cabling interconnections for vertical patching to include Cat 6 Copper, MM & SM Fiber back to main interconnect WAN/MAN Cabinet.	1	$7,560.00	$7,560.00
Testing & Documentation	Perform complete testing of Data Center LAN Switching Infrastructure w/ Documentation. Settings, configuration files and Topology Mapping created in MS Visio for owners As-Build Documentation.	1	$1,200.00	$1,200.00
Materials Infrastructure	Rack to Rack interconnect cabling materials Copper - Fiber to accommodate 12 strand MM and 24 Port Copper to each cabinet back to main interconnect cabinet.	1	$4,740.00	$4,740.00
Sub Total Professional Services Server Data Center Infrastructure				**31,948.00**

			Total - Server Data Center Infrastructure	$73,995.37

DATA LAN INFRASTRUCTURE EQUIPMENT

Mfr. Part No.	Description	Qty	Unit Price	Extended Price
OS6900X48-F-US	1RU 10GE L3 fixed chassis with 48 10G SFP+ ports and 6 100G QSFP28 ports. SFP+ ports operate as 1/10GE. QSFP28 ports operate as 100GE/40GE/4x25GE/4x10GE. Front to back cooling. Includes dual AC power supplies,cord,manuals access card and rack mounts.	2	$ 12,312.30	$ 24,624.60
QSFP-100G-C1M	100 Gigabit direct attached copper cable (1m, QSFP28)	2	$ 178.20	$ 356.40

Part No.	Description	Qty	Unit Price	Extended Price
OS6560P48Z16-US	OS6560-P48Z16: Multi-GigE fixed chassis in 1RU size. Includes 16 RJ-45 100/1G/2.5G BaseT HPoE, 32 RJ-45 10/100/1G BaseT PoE, 4xSFP+(1G/10G) and 2x20G stacking ports, 920W AC supply, US power cord, user guides and 19" rack mount hardware.	80	$ 3,693.69	$ 295,495.20
SFP-10G-C1M	10 Gigabit direct attached cable (DAC, uplink/stacking) 1m, SFP+	4	$ 59.40	$ 237.60
SFP-10G-C7M	10 Gigabit direct attached cable (DAC, uplink/stacking) 7m, SFP+	10	$ 118.80	$ 1,188.00
SFP-10G-LR-K12	SFP-10G-LR transceiver for K-12 Education Accounts Only.	65	$ 526.68	$ 34,234.20
OS6560-CBL-300	OS6560 20 Gigabit direct attached stacking copper cable (300 cm, QSFP+)	80	$ 217.80	$ 17,424.00
SFP-1G-T	SFP-1G-T: Fixed speed 1000Base-T Gigabit Ethernet Transceiver SFP MSA. Supports category 5, 5E, and 6 copper cabling up to 100m. SFP works only at 1000 Mbit/s speed and fullduplex mode.	6	$ 117.00	$ 702.00
SFP-10G-T	10 Gigabit copper transceiver (SFP+). 10GBase-T 10 Gigabit ethernet Transceiver (SFP MSA) - Supports category 6a/7 cabling copper cabling up to 30m. This transceiver supports 10Gbs full-duplex mode only.	6	$ 495.00	$ 2,970.00
SW5N-OS6560	5YR SUPPORT Software for all OS6560 models. Includes 24x7 Remote Telephone Support, 24x7 Remote Problem Diagnosis, access to Software Updates and Upgrades, and access to support portal.	80	$ 419.90	$ 33,592.00
SP5N-OS6900	5YR SUPPORT Plus for all OS6900 Chassis models. Includes 24x7 Remote Support & Diagnosis, access to SW Updates & support portal, and next business day advance HW replacement. Chassis, PSU, modules and fantray are included. Availability per country.	2	$ 5,257.25	$ 10,514.50
Sub Total LAN Switching Equipment / Licensing / Support				**421,338.50**

DATA LAN UPS SYSTMES INFRASTRUCTURE EQUIPMENT				
SMT3000RM2UC	APC Smart-UPS 3000VA, Rack Mount, LCD 120V with SmartConnect Port	13	$ 1,638.00	$ 21,294.00
WBEXTWAR3YR-SP-04	3 Year Warranty Extension	13	$ 290.00	$ 3,770.00
P046-010-LL-30A	10ft Heavy Duty Power Extension Cord 30A 10AWG L5-30P L5-30	13	$ 44.00	$ 572.00
Sub Total LAN UPS Systems Infrastructure Equipment				**25,636.00**

PROFESSIONAL SERVICES DATA LAN INFRASTRUCTURE				
Program & Project Management	On-Site & Remote Professional Services to provide required program and project management services throughout the phased implementation of the Data Center Switching Infrastructures	1	$ 26,810.00	$ 26,810.00
Install Pro Services Programming - Integration	Installation services include the programming of the network LAN Switches per owner's requirements. Settings include Failover to secondary backbones servicing the comm closets, VLAN's and Subnets with defined access control, port mobility and dynamic port assignment, integration of all LAN Switch assets into customers Management platform. Creation of facility Topology Map in management platform w/ alarms and notifications set up as directed. Creation of IP Scopes and DHCP settings to allow for plug and play connectivity across the entire network. Connection of the security / building system network by others to the school LAN. Creation of the routing between the two networks per owner's requirements.	1	$16,240.00	$16,240.00
Install Field Services	Install services, Catalog, Label, Asset Tag and install LAN Switches and UPS systems within the identified Comm Closets. Connect Comm Closets to Dual 10G Backbones. Installation includes patching and connectivity of all wired data ports onto LAN Switches.	1	$63,954.00	$63,954.00
Testing & Documentation	Perform complete testing of LAN Switching Infrastructure w/ Documentation. Settings, configuration files and Topology Mapping created in MS Visio for owners As-Build Documentation.	1	$6,090.00	$6,090.00
Sub Total Professional Services LAN - Data Center UPS Systems Infrastructure Equipment				**113,094.00**

Total - LAN Switching - UPS Systems - Professional Services Data Infrastructure:				**$560,068.50**

WIRELESS LAN EQUIPMENT				
Mfr. Part No.	Description	Qty	Unit Price	Extended Price
Hardware Software				
ANT-O-M4-9	Dual band 2.4/5GHz, 4-element, outdoor omnidirectional antenna with N-Type Female, 7.5dBi @ 2.4GHz & 9dBi @ 5GHz, Azimuth Omni, Elevation 22°/11°, includes pole mount	15	$293.75	$4,406.25
OAW-AP1321-US	OmniAccess Stellar Indoor AP1321. Dual radio 5GHz 4x4:4 / 2.4GHz 2x2:2 802.11ax, integrated omni antenna. 1x1 scanning radio and BLE radio. 1x 2.5GbE, 1x 1GbE, USB, 48V DC. AP mount order separately. Restricted Regulatory Domain: US	275	$514.65	$141,528.75
OAW-AP1351-US	OmniAccess Stellar Indoor AP1351. Tri radio 2.4 + Dual 5Ghz, 4x4+8x8+4x4 802.11ax, integrated omni antenna. 1x1 scanning and BLE radio. 2x 10GE up, 1x RS-232 Console, USB, 48V DC. AP mount to be ordered separately. Restricted Regulatory Domain: US	49	$1,209.30	$59,255.70

Part No.	Description	Qty	Unit Price	Extended Price
OAW-AP1362-US	OmniAccess Stellar Outdoor AP1362. Dual radio 5GHz 4x4:4 / 2.4GHz 2x2:2 802.11ax, external antenna connectors. 1x1 scanning radio and BLE radio. 2.5GbE, 1GbE, 1GbE SFP, USB, 48V DC. AP mount order separately. Restricted Regulatory Domain: US	15	$928.25	$13,923.75
OAW-AP-MNT-B-10	10 Pack. Mounting kit, Type B1(9/16) and B2(15/16) for T shaped spare ceiling rail mounting. Standard configuration in the product packaging. Applicable for OmniAccess Stellar AP1101, AP12xx and AP13xx Indoor series.	31	$106.22	$3,292.82
OAW-AP-MNT-W	Mounting kit, Type A wall mount and ceiling mount with screws. Applicable for OmniAccess Stellar AP1101, AP12xx and AP13xx Indoor series.	5	$13.16	$65.80
OAW-AP-MNT-W-10	10 Pack. Mounting kit, Type A wall mount and ceiling mount with screws. Applicable for OmniAccess Stellar AP1101, AP12xx and AP13xx Indoor series.	2	$106.22	$212.44

Maintenance Programs and Installation Services for Hardware and Software listed above:

Part No.	Description	Qty	Unit Price	Extended Price
SP5N-OAWAP1320	5 Yr End Customer Support Plus for OAW-AP1320 Series. Includes 24x7 phone support, problem diagnosis, access to support portal, software updates and upgrades. Next business day AVR, please check availability per country.	275	$160.65	$44,178.75
SP5N-OAWAP1351	1 Yr End Customer Support Plus for OAW-AP1350 - BUDGETARY ONLY	49	$306.00	$14,994.00
SP5N-OAWAP1360	5 Yr End Customer Support Plus for OAW-AP1360 series. Includes 24x7 phone support, problem diagnosis, access to support portal, software updates and upgrades. Next business day AVR, please check availability per country.	15	$289.00	$4,335.00
SW5N-OV4NMS-HA	5YR 24X7 SUPPORT for OV2500 NMS - RELEASE 4 OV4-NMS-HA. Includes 24x7 Remote Tel Support, Problem Diagnosis, SW Updates, Support portal access Maintenance to be ordered on all OV Model No for each OV server.	1	$3,366.00	$3,366.00
SW5N-OVAPNM100N	5YR 24X7 SUPPORT Software for OV2500 NMS - RELEASE 4 OV-AP-NM-100-N. Includes 24x7 Remote Tel Support, Problem Diagnosis, SW Updates, Support portal access Maintenance to be ordered on all OV Model No for each OV server.	3	$1,514.70	$4,544.10
SW5N-OVAPNM50N	5YR 24X7 SUPPORT Software for OV2500 NMS - RELEASE 4 OV-AP-NM-50-N. Includes 24x7 Remote Tel Support, Problem Diagnosis, SW Updates, Support portal access Maintenance to be ordered on all OV Model No for each OV server.	1	$841.50	$841.50
SW5N-OVBYOD5KN	5YR 24X7 SUPPORT Software for OV2500 NMS - RELEASE 4 OV-BYOD-5K-N. Includes 24x7 Remote Tel Support, Problem Diagnosis, SW Updates, Support portal access Maintenance to be ordered on all OV Model No for each OV server.	1	$13,464.00	$13,464.00
SW5N-OVGA500N	5YR 24X7 SUPPORT Software for OV2500 NMS - RELEASE 4 OV-GA-500-N. Includes 24x7 Remote Tel Support, Problem Diagnosis, SW Updates, Support portal access Maintenance to be ordered on all OV Model No for each OV server.	1	$2,019.60	$2,019.60

OmniVista 2500 Network

Part No.	Description	Qty	Unit Price	Extended Price
OV4-NMS-HA	OV4-NMS-HA - OmniVista 2500 HA (High Availability) Software license . Apply to OV2500 Serv. Pack NEW. Provide HA services for Single Instance OV2500 NMS platform including UPAM Service. Required Min OV4.3r1 to operate. Act. Online	1	$4,600.00	$4,600.00
OV-AP-NM-100-N	OV-AP-NM-100-N OV2500 NM R4 Lic - Lic. 100 AP-NEW for 100 ALU-E Stellar AP lic. (1lic. /Stellar AP)- Covers all Stellar AP models (11, 12xx & 13 series). Apply to OV2500 Serv. Pack NEW. Used w/other NM ext. NEW for adequate config. Act. Online	3	$2,070.00	$6,210.00
OV-AP-NM-50-N	OV-AP-NM-50-N OV2500 NM R4 Lic - Lic. 50 AP-NEW for 50 ALU-E Stellar AP lic. (1lic. /Stellar AP)- Covers all Stellar AP models (11, 12xx & 13xx series). Apply to OV2500 Serv. Pack NEW. Used w/other NM ext. NEW for adequate config. Act. Online	1	$1,150.00	$1,150.00
OV-BYOD-5K-N	OV-BYOD-5k-N - OV2500 BYOD R4 Lic. - Lic 5000 BOYD-NEW for BYOD Access Policy Manager. License to enable 5000 BYOD concurrent active devices on ALU-E Network. Used w/other BYOD ext.NEW for adequate config. Act. Online	1	$18,400.00	$18,400.00
OV-GA-500-N	OV-GA-500-N - OV2500 GA R4 Lic. - Lic. 500 GA-NEW for Guest Access Policy Manager enable 500 Guest Access concurrent active devices on ALU-E Network. Used w/other GA ext. NEW for adequate config Act. Online	1	$2,760.00	$2,760.00
Sub Total WLAN Equipment / Licensing / Support				**343,548.46**

WLAN PROFESSIONAL SERVICES

	Description	Qty	Unit Price	Extended Price
Program & Project Management	On-Site & Remote Professional Services to provide required program and project management services throughout the phased implementation of the WLAN project.	1	$15,590.00	$15,590.00
Install Pro Services Programming - Integration	Install services include the programming of the AP's to operate ad directed by Arlington Public Schools. Program ACL's, SSID's, BYOD & Guest Access Integration into HV VM UPAN Management Platform, Program Integration for AP's into owners OV 2500 Management Platform w/ Topology Build.	1	$12,180.00	$12,180.00
Install Field Services	Install services, catalog, Label, Asset Tag and install Access Points at all identified locations within the facility construction drawings. Install includes patching and connectivity onto LAN Switches as designated for AP connection.	1	$71,042.00	$71,042.00
Testing & Documentation	Perform complete testing of WLAN Infrastructure w/ Documentation on Signal Strength Coverage / Mapping, Network Settings and Topology created in MS Visio for owners As-Build Documentation.	1	$1,480.00	$1,480.00
Sub Total WLAN Integration / Installation Services				**100,292.00**
			Total - WLAN System:	**$443,840.46**

RECOMENDED EMERGENCY SPARES

Mfr. Part No.	Description	Qty	Unit Price	Extended Price

QUOTE A - CONTRACT PRICING FORMS

Arlington Public Schools - New High School Project

Voice - Data LAN - Data WLAN - Data Server Infrastructures

OS6560-P48X4-US	OS6560-P48X4 GigE fixed chassis 48 RJ-45 PoE 10/100/1G BaseT, 2 fixed SFP (1G), 4 fixed SFP+ (1G/10G) uplink/stacking ports. 1RU size, 920W AC power supply. Includes United States power cord, guides, and 19" rack mount hardware.	1	$ 3,030.72	$ 3,030.72
OS6560P48Z16-US	OS6560-P48Z16: Multi-GigE fixed chassis in 1RU size. Includes 16 RJ-45 100/1G/2.5G BaseT HPoE, 32 RJ-45 10/100/1G BaseT PoE, 4xSFP+(1G/10G) and 2x20G stacking ports, 920W AC supply, US power cord, user guides and 19" rack mount hardware.	1	$ 3,693.69	$ 3,693.69
	Sub Total Spares			**$6,724.41**

*Equipment Pricing Notes:

Pricing on listed equipment is based on current costs as of this Quotation Date. Prices are honored up to September 30th 2021. Price Index Increases are expected on October 1st 2021 that WILL effect this design proposal.

Total Voice Infrastructure	**$191,964.21**
Total Server Data Center Infrastructure	**$73,995.37**
Total Data Infrastructure	**$560,068.50**
Total - WLAN Equipment:	**$443,840.46**
Total Data Spares	**$6,724.41**
TOTAL PRICE:	**$1,276,592.95**

Management Discount Schedule

Equipment Purchase Before 09-30-21 Discount	**$30,000.00**
Preferred Customer Mgt Discount	**$15,000.00**
ADJUSTED TOTAL PROJECT PRICE	**$1,231,592.95**

QUOTE A - CONTRACT PRICING FORMS
Arlington Public Schools - New High School Project
Voice - Data LAN - Data WLAN - Data Server Infrastructures

For the delivery of Equipment and Professional Installation, Programming and Integration Services in accordance with the Specifications for the following Lump Sum:

ONE MILLION TWO HUNDRED THIRTY ONE THOUSAND FIVE HUNDRED NINTY TWO   Dollars

ITT50 State Contract Vendor No.	ITT72 VC 6000156277
USAC SPIN No.	143046502

Signature: _____

Name: Michael D Lieb

Title: President - LCN - Division of E.G Sawyer Co, Inc.

Date: 09-10-2021

Tel No. 781-927-1127

Fax No. 781-340-1400

email: mlieb@lcnnetworks.com

Company: LCN networks

Address: 260 Libbey Parkway

Weymouth, MA 02189

September 10, 2021

Mr. James Burrows
Skanska USA, Inc.
101 Seaport Boulevard,
Suite 200
Boston, MA 02210

RE: Arlington High School
          Consigli Job #2153
          GMP
          Owner Approval Letter No. 49 – Auditorium fall protection

Dear Jim,

We have completed our review of the proposals for the **Auditorium fall protection** work and have prepared this recommendation letter for your review and formal approval. This approval will allow Consigli Construction Co., Inc. to enter into an agreement with **Safe approach Inc.,** in the amount of **$15,927.** Please find a summary of the award below.

TRADE: Auditorium fall protection	
GMP estimate dated 11.24.20	**$0**
Subcontract award value	$15,927
Holds included outside the Subcontractor's award value	
Base bid includes (1) mobilization, add for additional mobilization	$2,500
Total award value for Appliances	**$18,427**
Buy loss against the GMP budget	**($18,427)**

Please authorize Consigli Construction Co., Inc. to proceed with the award by executing in the space provided below and returning this copy for our files.

Very Truly Yours
Consigli Construction Company, Inc.

Acknowledged and Accepted:
Skanska USA, Inc., on behalf of Arlington

_____
John LaMarre
Sr. Project Manager

By: _____
James Burrow (Project Manager)

Date: _____

cc: Todd McCabe, Project Executive.
     Sunita Verma, Sr. Purchaser.

Auditorium Fall Protection		**Total:**	**$ 18,507**	**$ 37,040**	**$ 114,460**	
Arlington High School - Priority Trades	CONSIGLI	Safe Approach, Inc.	Peak Fall Protection a Diversified Fall Protection Company	Pro-Bel Enterprises Limited	Avid Iron works
		Tel: (207) 345-9900	Cell: 919.796.5070/ office 984.833.5147	613.247.1799	Tel: 413.788.0770/cell: 413.246.2020
		davidk@safeapproach.com	april@fallprotect.com	gerardc@pro-bel.ca/ tylerl@pro-bel.com 1-800-461-0575 Ext 5321	nick@avidironworks.com
Amount in Estimate: **$ 0**		David Kozlowsky	April Sloop	Gerard LaChapelle/Tyler Lebel	Nick Visconti
GMP estimate dated 11.24.20					
CONTRACT DOCUMENTS					**no bid**
Drawings prepared by: HMFH Architects dated October 7, 2020		Y	Y	Y	
Specifications prepared by: HMFH Architects dated October 7, 2020 including:		Y	Y	Y	
Compliance with all Division 0 and 1 specifications as applicable.		Y	Y	Y	
Section 112400 - Auditorium Fall Restraint (revised, ASI # 046 dated 04/12/21)		Y	Y	Y	
ASI # 046, dated 04/12/21		Y	Y	Y	
ASI # 041, SFTF1 sketch dated 4/12/21		Y	Y	Y	
A2.8 Catwalk plans and details rev 3 markup		Y	Y	Y	
TF 1 - Fall restraint drawing Rev1.markup		Y	Y	Y	
Addenda prepared by**: HMFH Architects**		Y	Y	Y	
Addendum **01**, dated **10/16/20**		Y	Y	Y	
Addendum **02**, dated **10/23/20**		Y	Y	Y	
Addendum **03**, dated **10/28/20**		Y	Y	Y	
Addendum **04**, dated **11/2/20**		Y	Y	Y	
Addendum **05**, dated **11/5/20**		Y	Y	Y	
Addendum **06**, dated **11/6/20**		Y	Y	Y	
Compliance with Owner's contract (spec 005223)		Y	Y	Y	
Compliance with Consigli contract		Y	Y	Y	
Section 007225 - C.M.'s supplemental instructions dated 10/07/20, including all sections A through P		Y	Y	Y	
Attachment A - Schedule for Distribution dated 09.22.20		Y	Y	Y	
Section B - Quality Plan		Y	Y	Y	
Section C - 3D Coordination Specification (as applicable to this trade)		Y	Y	Y	
Section E - Project Safety Requirements		Y	Y	Y	
Section F - Lean Requirements		Y	Y	Y	
Section G - Logistics/CMP Plan dated 10.07.20		Y	Y	Y	
Section H – Schedule		Y	Y	Y	
Section O - COVID-19 Site Specific Safety Plan		Y	Y	Y	
RFI CLARIFICATIONS WITH Addendum # 01, 02.		Y	Y	Y	
GMP RFI Log dated 11/3/20		Y	Y	Y	
SCOPE OF WORK		**$ 15,927**	**$ 36,900**	**$ 111,800**	
General					
Provide all labor, materials, and equipment as required to complete the scope of work as shown on the drawings, and as further described below.		Y	Y	Y	
Specific items identified below are intended as a reference for scope only. Subcontractor is responsible for providing all items for their work and related work shown on the drawings, as specified, or needed to make this scope of work complete.		Y	Y	Y	
Inclusion of all reference keynotes and general notes shown on drawings, as applicable to this trade.		Y	Y	Y	
112400 **Auditorium Fall Restraint**					

Auditorium Fall Protection			Total:	$ 18,507	$ 37,040	$ 114,460	

Arlington High School - Priority Trades			CONSIGLI	Safe Approach, Inc. Tel: (207) 345-9900 davidk@safeapproach.com David Kozlowsky	Peak Fall Protection a Diversified Fall Protection Company Cell: 919.796.5070/ office 984.833.5147 april@fallprotect.com April Sloop	Pro-Bel Enterprises Limited 613.247.1799 gerardc@pro-bel.ca/ tylerl@pro-bel.com 1-800-461-0575 Ext 5321 Gerard LaChapelle/Tyler Lebel	Avid Iron works Tel: 413.788.0770/cell: 413.246.2020 nick@avidironworks.com Nick Visconti
Amount in Estimate:	**$ 0** GMP estimate dated 11.24.20						
	Furnish and install the fall protection and fall arrest systems in the auditorium as shown **A2.8 Catwalk plans and details rev 3. markup**			Y	Y From Addendum # 5		
	System design is intended for fall restraint on catwalks and NOT fall arrest, however all anchors shall comply with the OSHA sections 1915.159(a)(9) through 1915.159(a)(9)(ii)			Y	Y	Y	
	All anchors shall have a minimum strength of 1000lbs.			Y	Y	Y	
Paragraph 1.3	All equipment shall be manufactured to the ANZI Z359 suite of standards as specified.			Y	Y	Y	
	General: Fall Restraint components shall be factory assembled and shipped as integral units ready for installation.			Y	Y	Y	
	Manufacturers: MSA, Sapsis Pro Plus, 3M DBI/SALA, Miller or APPROVED EQUAL			As an equal.	As an equal.	As an equal.	
Paragraph 2.2	Furnish & install Horizontal life lines located on the catwalks			Y	Y	Y	
	80' Horizontal life line with rigid anchors for catwalk #1, as specified in paragraph 2.2			Y	Y	Y	
	70' Horizontal life line with rigid anchors.for catwalk #2, as specified in paragraph 2.2			Y	Y	Y	
	Passive (non-pass through) intermediate supports shall be provided to prevent excessive sag in life line.			Y	Y	Y	
	System shall include a method for tensioning life line.			Y	Y	Y	
	System shall include an integrated shock absorbing device.			Y	Y	Y	
	Anchors shall be bolted or welded to catwalk steel framing members.			Y No welding	Y	Y	
	Anchors shall be located at either end of the catwalks as in drawing.			Y	Y	Y	
Paragraph 2.3	Furnish & install follow Spot perch anchors			Y	Y	Y	
	Anchors shall be attached to the walking surface of the follow spot perch as per drawing.			Y	Y	Y	
Paragraph 2.4	Furnish & install Ladder safety system for lighting slots			Y	Y	Y	
	A ladder safety system composed of the following components shall be installed on each fixed ladder.			Y	Y	Y	
	Wire rope vertical lifeline			Y	Y	Y	
	Lifeline absorber			Y	Y	Y	
	Bottom anchor			Y	Y	Y	
	Intermediate gate			Y	Y	Y	
	Extension post			Y	Y	Y	
	attachment device used to connect user to vertical line line			Y	Y	Y	
	Ladder safety system shall be bolted to the fixed ladder			Y	Y	Y	
	Harness and lanyards						
	Harnesses shall be full body harnesses with one dorsal attachment, one sternum attachment, and at least two waist positing attachments.			Y	Y	Y	
	Lanyards shall be adjustable length lanyards without an integrated shock pack.			Y	Y	Y	
	Lanyard shall have standard hooks at either end.			Y	Y	Y	

Auditorium Fall Protection	Total:	$ 18,507	$ 37,040	$ 114,460	
Arlington High School - Priority Trades	CONSIGLI	**Safe Approach, Inc.** Tel: (207) 345-9900 davidk@safeapproach.com David Kozlowsky	**Peak Fall Protection a Diversified Fall Protection Company** Cell: 919.796.5070/ office 984.833.5147 april@fallprotect.com April Sloop	**Pro-Bel Enterprises Limited** 613.247.1799 gerardc@pro-bel.ca/ tylerl@pro-bel.com 1-800-461-0575 Ext 5321 Gerard LaChapelle/Tyler Lebel	**Avid Iron works** Tel: 413.788.0770/cell: 413.246.2020 nick@avidironworks.com Nick Visconti
Amount in Estimate: **$ 0** GMP estimate dated 11.24.20					
Paragraph 2.6	Signage				
	Each Catwalk fall restraint system shall have (1) sign at either end and (1) sign at the center of the catwalk for a total of (3) signs with the following text: "WARNING Fall restraint consisting of a harness and fixed length lanyard must be used at all times when moving or adjusting theatrical lighting fixtures on catwalk railings and lighting positions"	Y	Y	Y	
	Each lighting slot location shall have (2) signs affixed at the lighting position with the following text: "WARNING Fall restraint consisting of a harness and ladder safety system must be used at all times when moving or adjusting theatrical lighting fixtures and support structure"	Y	Y	Y	
	The follow spot perch location shall have (1) sign affixed to the adjustable railing with the following text: "WARNIG Fall restraint consisting of a harness and fixed length lanyard must be used at all times when moving or adjusting this railing or when top railing height is below 42 inches"	Y	Y	Y	
		Y			
1.2 D	Products furnished but not installed in this Section include the following:				
	Harnesses. Sizes: (2) small, (2) Medium, (2) Large	Y	Y	Y	
	(6) Fixed Length lanyards.	Y	Y	Y	
	A minimum of (1) Mob's required for installation. Include MOB's for load testing as needed.	Y	Y	Y	
	Shop drwgs stamped by PE registered in MA	Y	Y	Y	
	PART 3 - EXECUTION	Y	Y	Y	
Paragraph 3.1, 3.2	Install the fall restraint system in accordance with PART 3 - execution of the specifications.	Y	Y	Y	
QUANTITIES					
	Manhours	80	140	160	
	Lifeline (lf) at catwalk 1 & 2	150 lf	150 lf	150 lf	
	Quantities of Anchors (ea) - Follow Spot perch anchors	2	2	2	
	Quantities of Anchors (ea) - Lighting slot anchors	4	4	4	
	Vertical lifeline for (2) ladders	approx. 50 lf	approx. 50 lf	approx. 50 lf	
BREAKOUT VALUES ($$ - included in values above) **ADDITIONAL PROJECT-SPECIFIC REQUIREMENTS**					
	Tax-Exempt	Y	Y	Y	
	Work hours are 7:00am – 3:30pm.	Y	Y	Y	
	Provisions for phased delivery and installation, reference the CM's supplemental instructions and the Phasing schedule.	N	Y	Y	
	Provisions for Professional Engineer's stamp where required.	Y	Y	Y	
	Provide **M/WBE su**bcontractor participation	N	N	N	

Auditorium Fall Protection		Total:	$ 18,507	$ 37,040	$ 114,460	
Arlington High School - Priority Trades		CONSIGLI	**Safe Approach, Inc.** Tel: (207) 345-9900 davidk@safeapproach.com David Kozlowsky	**Peak Fall Protection a Diversified Fall Protection Company** Cell: 919.796.5070/ office 984.833.5147 april@fallprotect.com April Sloop	**Pro-Bel Enterprises Limited** 613.247.1799 gerardc@pro-bel.ca/ tylerl@pro-bel.com 1-800-461-0575 Ext 5321 Gerard LaChapelle/Tyler Lebel	**Avid Iron works** Tel: 413.788.0770/cell: 413.246.2020 nick@avidironworks.com Nick Visconti
Amount in Estimate:	$ 0 GMP estimate dated 11.24.20					
	All manufacturers, materials and finishes as shown and specified.		Y	Y	Y	
	Includes performance and quality requirements as specified.		Y	Y	Y	
	Includes all submittals, shop drawings, warranties, etc. as specified and required.		Y	y	y	
	Prevailing Wage per specifications		Y	Y	Y Union installation	
	Labor Affiliations - indicate your affiliations.		Open shop	Open shop	Y Union	
	Union Carpenters and Laborers as applicable.		N/A	N/A	N/A	
	Layout from control provided by GC.		Y	Y	Y	
	Includes all field measurements as required.		Y	N	Y	
	Hoisting and rigging of equipment and materials required to complete the work of this Subcontract.		Y	Y	Y	
	All equipment including staging/ladders/lifts etc. as required to complete the work of this trade.		Y	Y	Y	
	Includes protection of all materials/equipment supplied by this subcontractor, stored on site.		Y	Y	Y	
	6'0" fall protection.		Y	Y	Y	
	Inclusion of all materials & labor price increases for the duration of the project.		Y	Y	Y	
	Inclusion of any and all tariffs in place, and known about, as applicable, at the time of a signed contract agreement.		Y	Y	Y	
	Includes LEED requirements as specified.		Y	Y	Y	
	Includes background checks as required		Y	Y	Y	
	All offsite storage costs required for the completion of work of this trade.		Y	Y	Y	
	Complete work of this trade as shown on all contract documents including A's, S's		Y	Y	Y	
	Subcontractor has included all costs required to conform with the CCCI COVID-19 site-specific safety plan, in conjunction with the project schedule, including, but not limited to, manpower and crew modifications, PPE requirements, testing requirements, etc., in order to stay in strict compliance while performing all work on site.		Y	Y	Y	
	All requisitions are to be done on Textura software.		Y	Y	Y	
EXCLUSIONS						
	Sales tax		Y	Y	Y	
	Fire watch		Y	Y	Y	
	On site welding		Y	Y	Y	
SCHEDULE REQUIREMENTS						
	Lead Times *in weeks*					
	Samples	WKS	N/A	N/A	n/a	
	Submittals for Phase 1 : bolt pattern required in the week of 11/02. Full submittals within 2 weeks after the bolt pattern.	WKS	4 to 6 weeks	12-15 biz days	4 to 6 wks	
	Materials (from approval)	WKS	2-4 weeks	3-4 weeks	4 wks	
	Schedule of Work as posted on the FTP site run date 10/02/20					

Auditorium Fall Protection		Total:		$ 18,507		$ 37,040		$ 114,460	

Arlington High School - Priority Trades		CONSIGLI	**Safe Approach, Inc.**	**Peak Fall Protection a Diversified Fall Protection Company**		**Pro-Bel Enterprises Limited**		**Avid Iron works**	
			Tel: (207) 345-9900	Cell: 919.796.5070/ office 984.833.5147		613.247.1799		Tel: 413.788.0770/cell: 413.246.2020	
			davidk@safeapproach.com	april@fallprotect.com		gerardc@pro-bel.ca/ tylerl@pro-bel.com 1-800-461-0575 Ext 5321		nick@avidironworks.com	
Amount in Estimate: **$ 0**			David Kozlowsky	April Sloop		Gerard LaChapelle/Tyler Lebel		Nick Visconti	
GMP estimate dated 11.24.20									
Installation shall be 1st the First quarter Feb/March of 2022			Y	Y		Y			
Provisions for phasing as required			N/A	N/A		N/A			
Includes all mobilizations as required			(1) MOB	(1) MOB		(1) MOB			
ADDITIONAL QUALIFICATIONS AND REQUIREMENTS									
PREQUALIFICATION STATUS									
	Subcontractor Total:		$ 16,007	$ 37,040		$ 111,960			
ALTERNATES									
HOLDS & ALLOWANCES FOR UNDEFINED SCOPE									
HOLD Additional Mobilization	1	ls $ 2,500	c $ 2,500	c $ 2,500		c $ 2,500			
	Holds/Allowances Total:	$ 2,500	$ 18,507	$ 39,540		$ 114,460			

Consigli Owner Monthly Dashboard
August 2021

Arlington High School
860 Mass Ave. Arlington, MA

CONSIGLI
Est. 1905

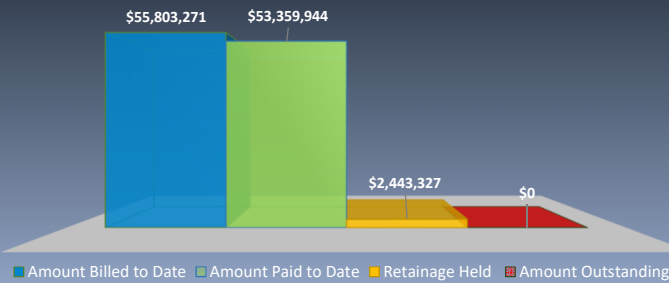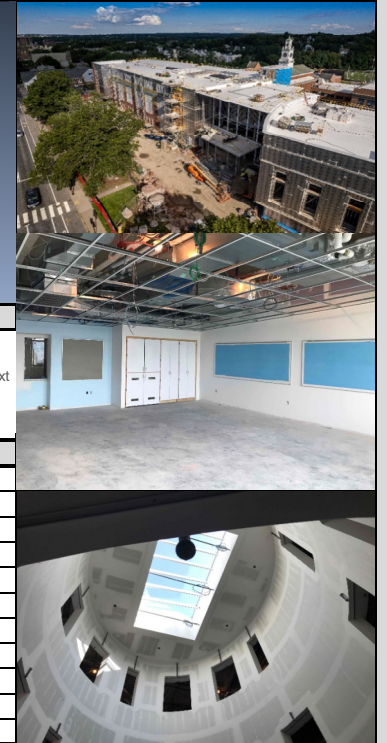## Executive Overview

- One of three permanent power transformers has been installed by Eversource, however has not yet been energized. Eversource continues to reschedule delivery/install date of remaining (2) transformers as well as energize date.
- Building D classrooms & Building E Performing Arts schedule is currently two weeks past the February 2022 completion. This is being driven by pandemic related supply chain issues with materials for the emergency generator. Current anticipated on site date is 12/07/21. Reviewing durations for life safety system testing and inspection to achieve as scheduled Phase 1 turnover. Auditorium is and remains on schedule for first week in April 2022 use by the school/public.
- Supply chain material & transportation shortages have recently started to impact product delivery. Steel (lockers, appliances), resins (acoustic wood doors, terrazzo) and emergency generator. The delays with material deliveries and revised dates will result in stacking of the work activities to achieve project (PH-1) turnover dates.

Billing Status

$55,803,271 | $53,359,944 | $2,443,327 | $0

- Amount Billed to Date
- Amount Paid to Date
- Retainage Held
- Amount Outstanding

Progress Pictures

Safety

Current Project Safety Score	98.20%
Total Man Hours to Date	202,740
Incidents to Date/ Month	2

Workforce Reporting

Minority Participation	Goal: 15.3%	20.41%
Women Participation	Goal: 6.9%	3.84%
Local Participation		N/A

Submittal Response Status

8 | 22 | 16

- Overdue
- Due within next 7 days
- Due over 7 days

RFI Response Status

7 | 26
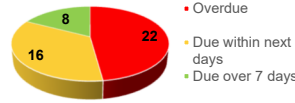
- Overdue
- Due within next 7 days
- Due over 7 days
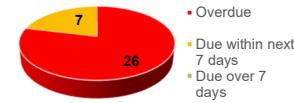
Schedule

Project Milestones	Target	Actual
Permanent Power to Phase 1	8/13/2021	
Set Rooftop HVAC Equipment - Complete	9/10/2021	
Begin Installation of Lab Casework - Bldg. D	8/30/2021	8/30/2021
Start Installation of Classroom Flooring - Bldg. D	10/14/2021	
Install Curtainwall - Bldg. D	8/4/2021	8/17/2021
Completion of Phase 1	2/11/2022	
Completion of Phase 1 - Auditorium	4/4/2022	
Completion of Phase 2	9/19/2023	
Completion of Phase 3	9/18/2024	
Completion of Phase 4	4/24/2025	

Roadblocks

Item	Resolution	BIC
#857 - Signage Scope Details (RFI-308.1)	4/27/2021	HMFH
#858 - Permanent Power (Phase 1) - Eversource	4/22/2021	Skanska
#919 - National Grid Gas Line Relocation - West Bldg E	8/10/2021	Skanska
#951 - Emergency Generator - Delays due to Pandemic	8/31/2021	WJGEI

Contract Status

Original Contract Amount	$234,562,347
Approved Change Orders	$433,411
Current Contract Amount	$234,995,758

Procurement

Percent Complete	99.38%
Buyout Bust / Savings	$832,341
Buyout Bust / Savings %	0.01%

Change Orders

Verbal Approved	$2,763
Submitted	$413,908
Pending	$797,971
Total Potential Changes	$1,214,642
Projected Contract Amount	
With Potential Changes	**$236,210,400**

Hold Status

Original Hold Budget	$4,050,150
Expended to Date	$1,396,073
Remaining Holds	$2,654,077

66% | 34%
- Expended to Date
- Remaining Holds

Contingency Status

Original Cont. Value	$6,967,419
Expended to Date	$943,454
Remaining Contingency	$6,023,965

86% | 14%
- Expended to Date
- Remaining Contingency

Allowance Status

Original Allow. Budget	$5,843,621
Expended to Date	$384,365
Remaining Allowance	$5,459,256

93% | 7%
- Expended to Date
- Remaining Allowance

Arlington High School Building Committee Meeting
Tuesday, August 3, 2021
Conducted via Remote Participation
6:00 pm

Present: Jeff Thielman, School Committee Representative, Chair
        Elizabeth Homan, Superintendent, Co-vice chair
        Adam Chapdelaine, Town Manager, Co-vice chair
        Kirsi Allison-Ampe, School Committee Representative
        Francis Callahan, Community Member Representative (absent)
        John Cole, Former Chair, Permanent Town Building Committee (absent)
        Tobey Jackson, Community Member Representative
        Matthew Janger, AHS Principal (absent)
        Ryan Katofsky, Community Member Representative
        Brett Lambert, PTBC Representative) (absent)
        Kate Loosian, Community Member Representative (absent)
        Michael Mason, APS Chief Financial Officer
        William McCarthy, AHS Assistant Principal (absent)
        Judson Pierce, Community Member
        Sandy Pooler, Deputy Town Manager
        Paul Raia, Disabilities Commission Representative
        Brian Rehrig, Capital Planning Committee Member
        Greg Walters, Facilities Director-Town of Arlington
        Amy Speare, Community Member Representative (absent)
        Shannon Knuth, Teacher Representative (absent)
        Kent Werst, Teacher Representative (absent)

Also present: Jim Burrows, Victoria Clifford, Sy Nguyen, Skanska Inc.
        Lori Cowles, Arthur Duffy, HMFH Architects, Inc.
        John LaMarre and Todd McCabe, Consigli Construction
        Karen Fitzgerald, AHSBC Recording Secretary

Call to order:
Chair of the Committee, Jeff Thielman, opened the meeting at 6:00 p.m. Conducted by remote participation as outlined in Governor Baker's order suspending certain provisions of the open meeting law on March 12, 2020, and explained the procedure on taking votes.

Skanska
Jim Burrows presented the PFA Bid Amendment and explained the process and said they have been working with MSBA and is here to provide the breakdown of the overall grant and explained all the numbers shown on table 1-4. HMFH provided an updated memo dated 07292021 regarding net square feet increases. The district share increase will be $879,751. The members broke down the grant reductions and discussed the District share increase.

Ryan Katofsky Brian Rehrig Members of the committee summarized what they heard about the grand reduction. Kirsi Allison-Ampe and Judson Peirce both stated they will not accept MSBA PFA Bid Amendment. Jim Burrows has been working hard in discussions with MSBA on the language of the motion. Mr. Katofsky asked to have the word *increase* deleted from the motion because it implies the grant is going up. It was noted that this will continue to do so because the final grant amount is still pending.

PFA Bid Amendment
On a **motion** by Ryan Katofksy, seconded, by Brian Rehrig it was moved to accept the MSBA PFA Bid Amendment of $879,751, as presented with the understanding that final grant amount is pending.
Roll Call: Liz Homan, Yes, Adam Chapdelaine Yes, Kirsi Allison-Ampe No, Tobey Jackson Yes, Ryan Katofksy Yes, Michael Mason Yes, Judson Peirce No, Sandy Pooler Yes, Brian Rehrig Yes, Greg Walters, Yes, Jeff Thielman Yes. Vote: (9-2)

Consigli Update
John LaMarre presented the Executive overview.

Construction Update
Todd McCabe presented the executive overview and project milestones, he also reviewed minority participation which is ahead of goal and women participation which is a little under goal, contractors are reminded weekly to try to increase participation.
Ryan Katofsky appreciates the update and saw the progress last week but noted his frustration with Eversource and the cost to get generators. Jim Burrows has been working and tracking all the impacts on the project and the costs. The members are aware that it has caused delays and will talk with town counsel

Subcommittee Reports
♦ Communications – next meeting August 10 at 4:00 p.m. Select board will host the AHS Bldg. members on Aug 9.
♦ Finance – no updates the subcommittee continues to meet the 3rd Thursday of the month to approve pay recs/change requests that are in their jurisdiction. Add to interiors committee on discourse lab are the seats in auditorium
♦ Interiors –Liz spoke about adding tablet to seat for the discourse lab and decrease the number of seats from 120 to 115 seats and the finance members approved it and the interiors subcommittee approved the design with no impact to opening the discourse lab. The change order was $20,000.
♦ Landscape & Exteriors- none
♦ Memorials - none
♦ SMEPFP - none
♦ Security - none
♦ Temp Use-Phasing –Liz is watching abatement going on a AHS and having fire alarms going off but worked it out with the Fire dept.

Approval of Minutes
On a **motion** by Adam Chapdelaine seconded by Brian Rehrig it was voted to approve the meeting minutes of July 6, 2021. Roll Call: unanimous

New Business
Jeff Thielman addressed that the next AHS Building meeting will fall on Tuesday, September 7, Rosh Hashanah and asked the committee members to move the meeting to the following Tuesday, September 14, 2021. It was also confirmed that the meeting will be held remotely via Zoom. The committee will discuss future meeting provisions.
Adjournment
On a **motion** by Ryan Katofsky, seconded, by Adam Chapdelaine, it was voted to adjourn at 7:11 p.m. Roll Call: Unanimous.

Respectfully submitted by:
Karen M. Fitzgerald
AHSBC Recording Secretary

Arlington High School Building Committee Meeting
Tuesday, August 26, 2021
Conducted via Remote Participation
6:00 pm

Present: Jeff Thielman, School Committee Representative, Chair
               Elizabeth Homan, Superintendent, Co-vice chair
               Adam Chapdelaine, Town Manager, Co-vice chair (absent)
               Kirsi Allison-Ampe, School Committee Representative
               Francis Callahan, Community Member Representative
               John Cole, Former Chair, Permanent Town Building Committee
               Tobey Jackson, Community Member Representative
               Matthew Janger, AHS Principal
               Ryan Katofsky, Community Member Representative
               Brett Lambert, PTBC Representative (absent)
               Kate Loosian, Community Member Representative (absent)
               Michael Mason, APS Chief Financial Officer (absent)
               William McCarthy, AHS Assistant Principal
               Judson Pierce, Community Member (absent)
               Sandy Pooler, Deputy Town Manager (absent)
               Paul Raia, Disabilities Commission Representative (absent)
               Brian Rehrig, Capital Planning Committee Member
               Greg Walters, Facilities Director-Town of Arlington (absent)
               Amy Speare, Community Member Representative
               Shannon Knuth, Teacher Representative (absent)
               Kent Werst, Teacher Representative (absent)

Also present: Sy Nguyen, Victoria Clifford, Skanska USA Building, Inc.
               Lori Cowles, HMFH Architects, Inc.
               Pauravi D. Teabo, Point Line Space, Inc.
               Todd McCabe, Consigli Construction Company

Call to order: 6:00 pm
Chair of the Committee, Jeff Thielman, opened the meeting conducted by remote participation as outlined in Governor Baker's order suspending certain provisions of the open meeting law on March 12, 2020, and explained the procedure on taking votes.

Vote to Approve Phase 1 FF&E Purchases
Sy Nguyen, Skanska USA Building, Inc., presented the Phase 1 FF&E procurement for a total of $1,176,869.74. Skanska recommended approval of the following ten vendor awards to complete

the Phase 1 FF&E procurement:

Vendor	Amount	Procurement	Product Description
Creative Office Pavilion	$206,580.00	Chapter 30B	Office Chairs, Office/T.Desks, Bookshelves, Filing. Includes Chairs for Superintendent's Office
W.B. Mason Company	$437,471.00	Chapter 30B	Science and Art Student tables, Maker Benches, Steel Shelving, Music Instruments & Equipment
Monitor Equipment Company	$94,834.54	Chapter 30B	Music Chairs, Stands, Maker Shop Tools, Spray Booth, Science Equipment
RDC Holdings - School Furnishings	$88,639.72	Chapter 30B	Teacher Podiums, Art Kilns, Maintenance and Music Equipment
Johnson Scientific	$114,296.00	Chapter 30B	Art, Maintenance & Science Equipment
VWR International	$119,793.72	Chapter 30B	Science Equipment
Williams' Piano Shop	$20,800.00	Chapter 30B	Pianos
Falcetti Piano	$1,600.00	Chapter 30B	88-Key Synthesizer
Hillyard, Inc.	$44,404.76	MHEC	Maintenance Cleaning Equipment
Johnson Scientific/VWR	$48,450.00	30B/MHEC	Microscopes under evaluation
Bid Award Total	**$1,176,869.74**		

Pauravi D. Teabo, Point Line Space, clarified the committee's questions on the bid process and reported that the award estimate is currently $52K under what was estimated.

Lori Cowles, HMFH Architects, Inc., added that the team recommends approving this award today to avoid pandemic supply chain issues.

On a motion by Ryan Katofsky, seconded by Brian Rehrig, it was:
Voted to approve the following Phase 1 furnishing and equipment awards totaling $1,176,869.74
Roll Call: Unanimous

New Business
Jeff Thielman reported that the September meeting would be held virtually on 9/14/21 at 6:00 p.m.

On a motion by Amy Speare, seconded by Ryan Katofsky, it was:
Voted to adjourn at: 6:35 p.m.
Roll call: Unanimous vote.

Submitted by:
Victoria Clifford
Assistant Program Manager
Skanska USA Building, Inc.
Victoria.clifford@skanska.com