Hempstead Public Schools

Final BOE Approved Smart Schools Bond Act Investment Plan

This report outlines the Final Smart Schools Investment Plan. The Preliminary Smart Schools Investment Plan was presented to the BOE, stakeholders and the community in June, and was posted on the District's website as required by the NYSED. We followed the process by submitting to the State a Letter of Intent, which was approved by NYSED. We were assigned a project number for streamlined review. We engaged the school community and the Non-Public Schools. The amount allocated to Non-Public schools is based on their student population in 2014, the year the voters of New York State approved the Smart Schools Bond Act.

The following section outlines Hempstead Schools' Final Smart Schools Investment Plan for BOE's review and approval. After the Boards approval, it will be completed in the NYS Business Portal for Superintendent's submission. The next step will be to communicate with the review team for any clarification questions before forwarding to the Review Board for approval. The following is a summary of the major investment areas from the preliminary stage in June, 2018, until now, October 2018.

Budget Category	Preliminary SSIP Sub-Allocation (6/1/2018)	Final SSIP Sub-Allocation (New-10/1/2018)
School Connectivity	$99,100	$105,181
Classroom Technology	$1,770,812	$2,288,547
High-Tech Security Features (IP Surveillance, License Plate Scanners, Phone system integration with Emergency 911 and Lockdown/All-Calls)	$2,970,040	$2,791,319
Total HUFSD SSBA Allocation	$9,726,134	$9,726,134
Total Investment	$4,839,952	$5,185,047
Unallocated Funds (left for future planning)	$4,886,182	$4,541,087

The following is a breakdown of the investment plan by subcategories and itemized details:

Smart Schools Bond

1. Classroom Technology Category

Item	Qty	Cost	Total Cost
HPS.Anywhere Carts 36 Capacity Item# 5073318	40	999	**$39,960.00**
HPS.Dell Latitude Laptops i5 Processor 8G RAM 256 SSD	1200	750	**$900,000.00**
HPS.HP WiFi Printers	36	424	**$15,264.00**
HPS.Promethean Interactive 70" Flat Panel	260	3350	**$871,000.00**
HPS.Promethean Stands-Asbestos at JA, MA FR	34	539	**$18,326.00**
HPS.Promethean 70" Flat Panel Installations Wall Mounting	226	629	**$142,154.00**
HPS.Installations on Stand	34	399	**$13,566.00**
HPS.Removal of Old	192	179	**$34,368.00**
HPS SubTotal			**$2,034,638.00**

Crescent School - NP.CS			
NP.CS Dell Desktops OptiPlex 5260 AIO 210-AOBM OptiPlex 5260 AIO XCTO $845	35	1000	**$35,000.00**
Dell Latitude Laptops 8G RAM 256 SSD	20	1000	**$20,000.00**
NP.CS HP Color LaserJet 450 Color Printer	1	1000	**$1,000.00**
NP.CS Epson 98 Projectors	5	500	**$2,500.00**
NP.CS Logitech Speakers	2	300	**$600.00**
NP.CS Quartet Screen on Tripod for Projectors	5	240	**$1,200.00**
NonPublic School - Crescent School SubTotal			**$60,300.00**

Sacred Hearth School's Request			
NP.SH iPad Wi-Fi 32GB - Silver (10-pack) Part Number: BN3X2LL/A	6	$2,940	**$17,640**
NP.SH 13-inch MacBook Pro: 2.3GHz dual-core i5, 256GB, Gray, Part#: MPXT2LL/A	24	1449	**34776**
NP.SH Triumph 470158-868 TRIUMPH BOARD 55" MULTI Touch LED LCD	39	$2,399.99	**$93,599.61**
NP.SH i-Rover IFP300 Irover2 Simple Interactive Flat Panel Stand.			
NP.SH Uses Chief PSBUB or PSBU universal mounting bracket	39	$1,096.88	**$42,778.32**
(sold separately) Assembly required.			**$0.00**
NP.SH Chief PSBUB UNIVERSAL PSB BLACK	39	114	**$4,446.00**
NP.SH ELMO MX-1 Bundle MX-1 VISUAL PRESENTER + CONNECT BOX BUNDLE	1	$369.00	**$369.00**
NonPublic School - Sacred Heart School SubTotal			**$193,608.93**

1. All Schools Classroom Technology Total			**$2,288,547**

2.A Hi-Tech Security System

Item Description	Qty	Cost	Total Cost
Video Surveillance (Security Camera Upgrades)			
Video Surveillance Servers with 32TB drives (8x 4TB Surveillance drives), # IPV-EDGE-B8-D4-S32	2	9,150.00	**18,300.00**
STANDARD UPS 1500VA,120V,60HZ, #MID-UPS-S1500R	2	847.20	**1,694.40**

Item Description	Qty	Cost	Total Cost
XProtect Corporate Device License, #IPV-MS-VMS-XPCODL	709	240.00	170,160.00
One year Care Plus for XProtect Corporate Device License, #IPV-MS-VMS-YXPCODL	709	45.00	31,905.00
AXIS P3227-LVE - Day/night fixed dome with support for Forensic WDR, Lightfinder and OptimizedIR with built-in IR illumination. IK10 vandal-resistant outdoor casing. Varifocal 3.5-10 mm P-Iris lens with remote zoom and focus simplifying the (more...), #AXS-0886-001	209	719.20	150,312.80
AXIS T94T01D PENDANT KIT - Outdoor pendant kit for AXIS P32-VE Series, compatible with Axis ceiling-/wall mounts, AXIS T91A67 Pole mount and 1.5" NPS threaded pipes. #AXS-5505-871	209	39.20	8,192.80
AXIS T91E61 WALL MOUNT - Wall mount with internal cable canal for dome cameras with 1.5" NPS thread, compatible with Axis pendant kits. IK10 and NEMA 4X rated. Powder coated aluminum for indoor and outdoor installations. #AXS-5506-481	209	31.20	6,520.80
AXIS P3225-LV MKII - Day/night fixed dome with support for WDR – Forensic Capture, Lightfinder and OptimizedIR with built-in IR illumination. Discreet, dust and IK08 vandal-resistant indoor casing. Varifocal 3-10.5 mm P-Iris lens, remote foc(more...), #AXS-0954-001	469	463.20	217,240.80
AXIS T94K02L RECESSED MOUNT - Indoor recessed mount compatible with mid-size indoor dome cameras such as: AXIS P32-V/-LV, AXIS P33/-V and AXIS Q35-V/-LV series. Suitable for indoor installations in plenum spaces. #AXS-01155-001	18	63.20	1,137.60
Managed Video Surveillance POE Switch, Cisco 10G Switch WS-2960X-48FPD-L, Stacking Modules	46	4000	184,000.00
24-Port Cat6 Patch Panel 568B 110 Punch down #RJ45 1URM TAA GSA, LIB-N252-024	46	86.90	3,997.40
2FT CAT6 NONBOOTED UTP CABLE-ORG, #MID-04191	726	6.39	4,639.14
7FT CAT6 NONBOOTED UTP CABLE-ORG, #MID-04196	2	8.39	16.78
CAT6 UTP 4-Pair Solid CMP Orange 1000FT Cable, #ATS-CMP4/6-ORANGE	168	340.00	57,120.00
Install, configure, maintain & service security cameras. #Install-Video Technician	2711	125.00	338,875.00
Analysis, design, programming and support of custom software tailored to the client's needs and specifications in numerous industry sectors. #Install-Programmer	80	125.00	10,000.00
Installation & integration of computer systems and related peripherals. #Install-PC/LAN Technician	64	125.00	8,000.00
		Subtotal	**$1,212,112.52**

PA System Mass Notification			
Item Description	**Qty**	**Cost**	**Total Cost**
PA SYSTEM MASS NOTIFICATION FOR REGISTRATION OFFICE			
8-INPUT ALARM DIALER WITH DIGITAL ANNOUNCER 8MINS OF RECORD TIME, #VIK-K-2000-DVA	1	328.06	328.06
Commercial grade general purpose 22 AWG 8 conductor plenum shielded cable, #LIB-22-8C-PSH-WHT	1	358.00	358.00
Software analysis, design, installation, and programming., #Install-Programmer	2	125.00	250.00
Installation & integration of locks, keys and security systems., #Install-Access Control/Lock Specialist	5	125.00	625.00
		Subtotal	**$1,561.06**

DOOR MONITORING & ACCESS CONTROL

Item Description	Qty	Cost	Total Cost
Active Directory Cardholder Sync (Prerequisite 2A8067), #GAL-C12738	1	10,000.00	**10,000.00**
Door License (Per Door), #GAL-2A8943	48	100.00	**4,800.00**
Workstation License (per Workstation), #GAL-2A8067	5	300.00	**1,500.00**
Controller 6000, #GAL-C300100	16	937.50	**15,000.00**
4H Module, #GAL-C300142	16	362.50	**5,800.00**
Controller Mounting Bracket (Third Party Product), GAL-C305760	16	67.00	**1,072.00**
LSP E2 Cabinet, 6A PSU (Third Party Product), #GAL-C305720	16	320.00	**5,120.00**
LSP C8 Lock Controller Module, 8 output (Third Party Product), #GAL-C305741	16	88.00	**1,408.00**
6 ft. Grounded 3-Wire Line Cord., ALT-LC2	16	3.89	**62.24**
Lead Acid Battery - 12VDC/12AH, Dimensions 3.5"H x 5.94"W x 3.75"D., #ALT-BT1212	16	56.00	**896.00**
9600-630-LBSM, #HES-9600-630-LBSM	48	492.00	**23,616.00**
Assy: Security Interface, Panel Mount w/mating connector, 4 pin, #ATS-LQS-10-0002	48	34.00	**1,632.00**
T10 Reader - Mifare, Black Rev 1, #GAL-C300400	48	128.57	**6,171.36**
Commercial grade general purpose 22 AWG 4 conductor plenum cable, #LIB-22-4C-P-WHT	15	151.00	**2,265.00**
1000ft 18/4 Plenum stranded shielded cable, white, #ATS-184P-1000	15	276.25	**4,143.75**
CAT6 UTP 4-Pair Solid CMP Green 1000FT Cable, #ATS-CMP4/6-GREEN	4	340.00	**1,360.00**
Software analysis, design, installation, and programming., #Install-Programmer	48	125.00	**6,000.00**
Installation & integration of locks, keys and security systems., #Install-Access Control/Lock Specialist	416	125.00	**52,000.00**
		Subtotal	**$142,846.35**

EMERGENCY NOTIFICATION & LOCKDOWN			
Item Description	**Qty**	**Cost**	**Total Cost**
PULL STATION EMERGENCY DOOR RELEASE, #MISC	166	88.92	**14,760.72**
BACK-BOX FOR 492, #MISC	166	23.94	**3,974.04**
Installation & integration of locks, keys and security systems., Install-Access Control/Lock Specialist (HR-Labor)	996	125.00	**124,500.00**
Blue light/strobe combo with built-in relay: 12-24VDC or 24VAC, TAP-ETP-EL12/24	226	446.50	**100,909.00**
Mounting bracket for ETP-EL blue light/strobe, #TAP-ETP-MBKT	226	114.00	**25,764.00**
Power Supply/Charger with Access power controller - 8 fused Class 2 power limited outputs provide 12VDC @ 4 amp or 24VDC @ 3 amp, outputs are individually selectable for Fail-Safe or Fail-Secure operation or as dry form "C" contacts, fire al(more...), #ALT-AL400ULACM	45	238.00	**10,710.00**
Installation & integration of locks, keys and security systems., #Install-Access Control/Lock Specialist (HR-Labor)	534	125.00	**66,750.00**
UNDER DESK MOUNT PUCH SW MOM SPDT 10A, #SDC-15-2	53	44.46	**2,356.38**
Installation & integration of locks, keys and security systems., #Install-Access Control/Lock Specialist (HR-Labor)	265	125.00	**33,125.00**
1000ft 18/4 Plenum stranded shielded cable, white, #ATS-184P-1000	125	276.25	**34,531.25**
1000ft 18/2 Plenum stranded shielded cable, white, #ATS-182P-1000	105	170.00	**17,850.00**
DIGITAL MASS NOTIFICATION ANNOUNCER WITH ALERT TONES AND MESSAGES, #DNA-510	11	325.00	**3,575.00**
		Subtotal	**$438,805.39**

INTERCOM SYSTEM AT REGISTRATION OFFICE /Description			
IP VIDEO MASTER STATION, #AIP-IS-IPMV	1	1,197.00	1,197.00
IP VANDAL RES. COLOR VIDEO DOOR STN., SURFACE MT., #AIP-IS-IPDV	2	868.50	1,737.00
CAT6 UTP 4-Pair Solid CMP Green 1000FT Cable, #ATS-CMP4/6-GREEN	1	340.00	340.00
Installation & integration of locks, keys and security systems., #Install-Access Control/Lock Specialist (HR-Labor)	9	125.00	1,125.00
		Subtotal	**$4,399.00**

GUARD BOOTH / Description			
Intelligent Security Guard Booth with Integrated Access Control Barrier for Single Lane, #ATS-ISGUARDBOOTH-1 ATS-ISGUARDBOOTH-1	1	45,045.75	45,045.75
Installation & integration of locks, keys and security systems., #Install-Access Control/Lock Specialist (HR-Labor)	290	125.00	36,250.00
		Subtotal	**$81,295.75**

VISITOR MANAGEMENT AND WORKSTATION/ Description			
mATX Tower, NVS315 dual output video, #IPV-VC-2	12	2,657.00	31,884.00
22in LCD monitor DVI-D,VGA 1080P, #ATS-DV-LCD-22	24	124.10	2,978.40
2m DVI D M/M DUAL LINK DIGITAL VIDEO CBL, #MID-26911	24	15.99	383.76
8in C2G Mini DisplayPort M to DVI F BLK, #MID-54311	24	13.59	326.16
PassagePoint EDU Client License. One license is required for each workstation based on concurrent use. Includes option of installing as client/server or standalone. Includes One Year Sex Offender Screening (E-SO-1)., #IDE-E-EDU-1	12	1,567.05	18,804.60
PassagePoint Global v10 Sex Offender Search Module; unlimited workstations per server. Renews annually. Requires SSP (Sex Offender Search Annual License)., #IDE-MA-SOR	1	3,706.05	3,706.05
License Scanner, #MISC	12	712.00	8,544.00
Logitech HD Pro Web Cam C920, #IDE-AH-1021	12	119.97	1,439.64
Printer, #MISC	12	225.50	2,706.00
SISCO White Adhesive Passes, #SIS-SLDW1001-3	60	11.20	672.00
PassagePoint EDU one-year support plan (per client license) without Sex Offender Search. Covers support for all issues relating to PassagePoint and includes updates and preferred pricing on new editions., #IDE-SSP-E	12	325.50	3,906.00
Software analysis, design, installation, and programming., #Install-Programmer	24	125.00	3,000.00
Installation & integration of computer and network systems and related peripherals., #Install-PC/LAN Technician	36	125.00	4,500.00
Install, configure, maintain & service security cameras., #Install-Video Technician	36	125.00	4,500.00
		Subtotal	**$87,350.61**

HIGH SCHOOL LICENSE PLATE CAPTURE CAMERA SYSTEM/Description

Description	Qty	Unit Price	Total
AXIS P1365 Mk II - HDTV 1080p resolution, day/night, fixed camera with CS-mount varifocal 2.8-8 mm P-Iris lens and remote back focus (camera also supports DC-iris lenses). Multiple, individually configurable H.264 and Motion JPEG streams; ma(more...), #AXS-0897-001	2	599.20	1,198.40
LENS FUJINON C CS 8-80MM DC - Varifocal IR-corrected lens with DC-Iris. For use with both C-mount and CS-mount cameras thanks to the included adapter. Compatible with e.g. AXIS Q1635., #AXS-5506-991	2	328.06	656.12
AXIS T93F20 OUTDOOR HOUSING POE - Fixed box outdoor camera housing made of IK10 impact resistant and UV resistant polymer. IP66, NEMA 4X rated and UL listed. Powered by PoE IEEE802.3af. Temperature range -40C to -45C (-40F to 113F). Compatib(more...), #AXS-5900-281	2	224.66	449.32
AXIS T90D30 POE IR-LED - PoE powered IR LED illuminator for Axis network cameras. Included interchangeable diverging lenses providing 10°, 35°, 60° & 80° beam angles. Beam distance ranges 70m to 350m (230ft to 1150 ft). Made of IK09 impact-r(more...), #AXS-01213-001	2	751.06	1,502.12
AXIS T90 SINGLE BRACKET - Mounting bracket for AXIS T90 illuminators., #AXS-01220-001	2	46.06	92.12
AXIS T90 WALL-AND-POLE MOUNT - Mounting bracket for AXIS T90 illuminators., #AXS-01219-001	2	36.66	73.32
AXIS T8134 MIDSPAN 60W - High PoE 1-port midspan 60W. Compliant with 802.3.at and PoE 802.3af., #AXS-5900-334	2	140.06	280.12
One year Care Plus for XProtect Corporate Device License, #MILE-YXPCODL	2	45.00	90.00
XProtect LPR Camera License, #MILE-XPLPRCL	2	1,282.05	2,564.10
Technical Services / Description			
Install, configure, maintain & service security cameras., #Install-Video Technician (HR Labor)	20	125.00	2,500.00
Installation of (1) 30" Poles, Running of underground conduit and Power Provisioning, #MISC	1	18,633.33	18,633.33
		Sub-Total	**$28,038.95**
HIGH SCHOOL X-RAY MACHINE / Description			
Smiths Detection HI-SCAN 5030si X-ray Inspection System, #SMI-11128856	1	19,344.82	19,344.82
1/2-meter Entrance Roller Table (fold-down), #SMI-11128856	1	1,314.64	1,314.64
1/2-meter Exit Roller Table (fold-down), #SMI-11128856	1	1,314.64	1,314.64
Installation, #SMI-11128856	1	0.00	0.00
Onsite Operator Training for (10) Persons (8 hours), #SMI-11128856	1	4,812.50	4,812.50
Smiths Detection HI-SCAN 5030si X-ray Inspection System, #SMI-11128856	1	6,394.50	6,394.50
		Sub-Total	**$33,181.10**
ABGS MIDDLE SCHOOL GREENWICH ST. ENTRY - LICENSE PLATE CAPTURE/ Description			
AXIS P1365 Mk II - HDTV 1080p resolution, day/night, fixed camera with CS-mount varifocal 2.8-8 mm P-Iris lens and remote back focus (camera also supports DC-iris lenses). Multiple, individually configurable H.264 and Motion JPEG streams; ma(more...), #AXS-0897-001	2	599.20	1,198.40
LENS FUJINON C CS 8-80MM DC - Varifocal IR-corrected lens with DC-Iris. For use with both C-mount and CS-mount cameras thanks to the included adapter. Compatible with e.g. AXIS Q1635., #AXS-5506-991	2	328.06	656.12
AXIS T93F20 OUTDOOR HOUSING POE - Fixed box outdoor camera housing made of IK10 impact resistant and UV resistant polymer. IP66, NEMA 4X rated and UL listed. Powered by PoE IEEE802.3af. Temperature range -40C to -45C (-40F to 113F). Compatib(more...), #AXS-5900-281	2	224.66	449.32

Item	Qty	Cost	Total Cost
AXIS T90D30 POE IR-LED - PoE powered IR LED illuminator for Axis network cameras. Included interchangeable diverging lenses providing 10°, 35°, 60° & 80° beam angles. Beam distance ranges 70m to 350m (230ft to 1150 ft). Made of IK09 impact-r(more...), #AXS-01213-001	2	751.06	1,502.12
AXIS T90 SINGLE BRACKET - Mounting bracket for AXIS T90 illuminators., AXS-01220-001	2	46.06	92.12
AXIS T90 WALL-AND-POLE MOUNT - Mounting bracket for AXIS T90 illuminators., #AXS-01219-001	2	36.66	73.32
AXIS T8134 MIDSPAN 60W - High PoE 1-port midspan 60W. Compliant with 802.3.at and PoE 802.3af., #AXS-5900-334	2	140.06	280.12
One year Care Plus for XProtect Corporate Device License, #MILE-YXPCODL	2	59.40	118.80
XProtect LPR Camera License, #MILE-XPLPRCL	2	1,282.05	2,564.10
Technical Services / Description			
Install, configure, maintain & service security cameras., #Install-Video Technician	20	125.00	2,500.00
		Sub-Total	$9,434.42
CENTRAL OFFICE - LICENSE PLATE CAPTURE/ Description			
AXIS P1365 Mk II - HDTV 1080p resolution, day/night, fixed camera with CS-mount varifocal 2.8-8 mm P-Iris lens and remote back focus (camera also supports DC-iris lenses). Multiple, individually configurable H.264 and Motion JPEG streams; ma(more...), #AXS-0897-001	3	599.20	1,797.60
LENS FUJINON C CS 8-80MM DC - Varifocal IR-corrected lens with DC-Iris. For use with both C-mount and CS-mount cameras thanks to the included adapter. Compatible with e.g. AXIS Q1635., #AXS-5506-991	3	328.06	984.18
AXIS T93F20 OUTDOOR HOUSING POE - Fixed box outdoor camera housing made of IK10 impact resistant and UV resistant polymer. IP66, NEMA 4X rated and UL listed. Powered by PoE IEEE802.3af. Temperature range -40C to -45C (-40F to 113F). Compatib(more...), #AXS-5900-281	3	224.66	673.98
AXIS T90D30 POE IR-LED - PoE powered IR LED illuminator for Axis network cameras. Included interchangeable diverging lenses providing 10°, 35°, 60° & 80° beam angles. Beam distance ranges 70m to 350m (230ft to 1150 ft). Made of IK09 impact-r(more...), #AXS-01213-001	3	751.06	2,253.18
AXIS T90 SINGLE BRACKET - Mounting bracket for AXIS T90 illuminators., #AXS-01220-001	3	46.06	138.18
AXIS T90 WALL-AND-POLE MOUNT - Mounting bracket for AXIS T90 illuminators., #AXS-01219-001	3	36.66	109.98
AXIS T8134 MIDSPAN 60W - High PoE 1-port midspan 60W. Compliant with 802.3.at and PoE 802.3af., #AXS-5900-334	3	140.06	420.18
One year Care Plus for XProtect Corporate Device License, #MILE-YXPCODL	3	59.40	178.20
XProtect LPR Camera License, #MILE-XPLPRCL	3	1,282.05	3,846.15
Technical Services/ Description			
Install, configure, maintain & service security cameras., #Install-Video Technician	30	125.00	3,750.00
Installation of (3) 30" Poles, Run underground conduit and Power Provisioning, #AFS-INFR-INS-CO	1	32,873.33	32,873.33
		Sub-Total	$47,024.96

All Buildings' Grand Total for IP Surveillance, Cameras, Door Access Controls & Emergency Lockdown, License Plate Scanner, Etc. — **$2,081,651**

2.B High Tech Security - Communication Component Phones Upgrade

Item	Qty	Cost	Total Cost
Power Cord, 125VAC 13A NEMA 5-15 Plug, North America, CAB-9K12A-NA=	2	25.00	50.00

Cisco SIP Phone 3905, Charcoal, Standard Handset, CP3905=	1	99.00	99.00
BE6K-only Migrate Cisco UC Virt. Hyp 4.x/5.x to Hyp Plus 6.0, R-VS6-HPLS-K9-MIG	2	200.00	400.00
BE6000 Starter Bundle with 35 UCL Enh and 35 vmail Licenses, BE6K-START-UCL35	1	500.00	500.00
SRST-5 Seat License (CME uses CUCME Phone License ONLY), FL-CME-SRST-5	3	170.00	510.00
Cisco 7832 IP Conference Station, CP-7832-K9=	1	995.00	995.00
4-port Network Interface Module - FXO (Universal), NIM-4FXO	1	1,000.00	1,000.00
4-port Network Interface Module - FXO (Universal), NIM-4FXO	1	1,000.00	1,000.00
4-port Network Interface Module - FXO (Universal), NIM-4FXO	1	1,000.00	1,000.00
Cisco UCS 770W AC Power Supply for Rack Server, UCSC-PSU1-770W=	2	699.00	1,398.00
32-channel DSP module, PVDM4-32	1	1,700.00	1,700.00
SRST-100 Seat License (CME uses CUCME Phone License ONLY), FL-CME-SRST-100	1	2,300.00	2,300.00
SRST-100 Seat License (CME uses CUCME Phone License ONLY), FL-CME-SRST-100	1	2,300.00	2,300.00
Cisco ISR 4321 Bundle, w/UC License, CUBE-10, ISR4321-V/K9	1	3,095.00	3,095.00
Cisco IP Phone 8845, CP-8845-K9=	7	575.00	4,025.00
Cisco UC Phone 7821, CP-7821-K9=	16	255.00	4,080.00
4 port Multiflex Trunk Voice/Clear-channel Data T1/E1 Module, NIM-4MFT-T1/E1	1	4,400.00	4,400.00
PVDM4 32-channel to 128-channel factory upgrade, PVDM4-32U128	1	4,800.00	4,800.00
Cisco ISR 4331 UC Bundle, PVDM4-32, UC License, CUBEE10, ISR4331=V/K9	1	5,000.00	5,000.00
Cisco ISR 4331 UC Bundle, PVDM4-32, UC License, CUBEE10, ISR4331-V/K9	1	5,000.00	5,000.00
BE6000 Messaging UCL - GCSC SW Upgrade, UPG-6K-VM	390	15.00	5,850.00
EMERGNCY RSPNDR USR LIC 1 PHN UPGD TO 11X FROM 9X OF, ER11-USR-1-UPG	786	10.00	7,860.00
BE6000 Upgrade 9.x Enhanced license to 11.x, UPG-UCM9TO11-ENH	352	24.00	8,448.00
4-port Network Interface Module - FXO (Universal), NIM4FXO	9	1,000.00	9,000.00
SRST-25 Seat License (CME uses CUCME Phone License ONLY), FL-CME-SRS	18	650.00	11,700.00
BE6000 Basic UCL - GCSC SW Upgrade, UPG-6K-BAS	508	25.00	12,700.00
AC Power Supply for Cisco ISR 4330, PVDM4-32	9	1,700.00	15,300.00
BE6000 Enhanced UCL - GCSC SW Upgrade, UPG-6K-ENH	352	45.00	15,840.00
1YR InformaCast Advance Subscription 1K Endpoints, SP-INFMCST-1-1K	1	17,713.00	17,713.00
Cisco Business Edition 6000M Server (M4), Export Restricted SW, BE6M-M4-K9=	2	9,400.00	18,800.00
Cisco ISR 4321 Bundle, w/UC License, CUBE-10, ISR4321-V/K9	9	3,095.00	27,855.00
PA System Integration with Cisco Phones/Cisco Voice Gateway	9	2,400.00	21,600.00
InformaCast Advance Integration 1K Endpoints, SP-INFMCST-3-1K=	1	46,761.00	46,761.00
Cisco UC Phone 7841,CP-7841-K9=	188	365.00	68,620.00
Cisco UC Phone 7821, CP-7821-K9=	477	255.00	121,635.00
Cisco IP Phone 8811 Series, CP-8811-K9=	69	445.00	30,705.00
Cisco POE 10G Switches	5	6,449.00	32,245.00
Bill of Materials (BOM)			516,284.00
Professional Services			127,835.00
Hardware Support (Maintenance)			19,149.60
Annual NOC Managed Services			42,000.00
Cisco Communication System Upgrade Subtotal			**$705,268.60**

2. HI-TECH Security Total	$2,786,920

3. Connectivity Broadband Internet

Item	Qty	Cost	Total Cost
Wireless Access Points (Aruba)	15	1,078.76	16,181.40
Cisco Access Switches (Full PoE)	10	4,000.00	40,000.00
Cisco 10 G Switches (24-Port)	2	6,000.00	12,000.00
10-G Fiber Optic Transceivers	30	900.00	27,000.00
10-G TwinX Cables (Integrated Electronics Fiber Cables)	50	200.00	10,000.00
Setup and Installation	120	125.00	15,000.00

3. Total Connectivity & Broadband Internet	$105,181

Total SSBA Allocation (Phase 1)	$5,185,047