

Board of Education Capital Plan FY16-FY21

PROJECT TITLE: TMS Science Lab Tech Upgrades

DATE SUBMITTED: 9/30/2015

DEPARTMENT PROJECT INFORMATION

Department:	Information Technology				
Department Contact:	Adam Sher				
Fiscal Year(s) Requested:	FY12017	FY2018	FY2019	FY2020	FY2021
Department Priority:	Critical	High	Medium	Low	
Type of Project:	Vehicle	Equipment	Technology	Facility	Other

PROJECT DESCRIPTION

Update and enhance the classroom technology available to science teachers at Tolland Middle School. Includes the purchase of desktop computers, digital microscopes, interactive projection systems, document cameras, and network switches.

- 72 Computers
- 56 Middle School grade Digital Microscopes
- 6 Interactive Projection Systems
- 6 Document Cameras
- 2 Switch chassis, necessary modules and power supplies

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Science students will go without classroom technology that will aid in their educational experience.

Cost to Maintain:

Describe all Benefits and/or Savings:

The demands of the 21st century require our students to learn the necessary technological skills to function effectively and support themselves in the future. "By 2020, 65 percent of all jobs—compared to 28 percent in 1973—will require some form of postsecondary education", according to a new report from the Georgetown University Center on Education and the Workforce. The National Association of Manufacturers reports more than 600,000 unfilled jobs this year. There simply aren't enough workers with the science, technology, engineering and math (STEM) knowledge and skills needed for these and other high-tech, high-skill jobs. Schools must prepare our students now, and that preparation must start at an early age. Supporting our curriculum with the necessary tools is imperative to adequately prepare students for their high-tech futures.

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact						
Project Cost Elements	FY 2017	FY 2018	FY 2019	FY2020	FY2021	TOTAL
Feasibility Study						
Design - Engineering						
Site Acquisition						
Site Improvements						
Construction						
Inspection Services						
Equipment & Furnishings		\$104,224				\$104,224
Vehicle Purchase						
Other						
Contingency						
TOTALS		\$104,224				\$104,224
Financing Sources						
Lease-Purchase						
Water Enterprise Funds						
Sewer Enterprise Funds						
Solid Waste Enterprise Funds						
Storm Water Enterprise Funds						
State / Federal Grants						
Sale of Surplus Property						
CPA						
Other (specify)						
City Appropriation						
TOTALS						

TMS Science Lab Technology Upgrades

Item	Qty	Cost ea.	Total
Dell Optiplex 3020 Computer	72	\$ 646	\$ 46,512
MS Digital Microscope	56	\$ 350	\$ 19,600
Interactive Proj. System	6	\$ 3,000	\$ 18,000
Document Camera	6	\$ 200	\$ 1,200
Switch Chassis	2	\$ 4,634	\$ 9,268
Switch Modules (24 pt or 20 +4)	5	\$ 1,530	\$ 7,650
Switch Chassis Redundant PS	2	\$ 752	\$ 1,504
Swich Rack Mounting Kit	2	\$ 245	\$ 490
Total			\$ 104,224

Digital microscope pricing is an estimate based on current criteria for a range of microscope options to be selected at the time of purchase. Costs will be different base on grade and curricular need.

Document camera prices fluctuate considerably with changing technology.
Amount is estimated for bulk order at time of purchase



Pricing Proposal
Quotation #: 9949308
Created On: 7/10/2015
Valid Until: 7/31/2015

TOLLAND PUBLIC SCHOOLS

Business Development Manager

Adam Sher

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All Prices are in US Dollar (USD)

Product	Qty	Your Price	Total
1 Optiplex 3020 see specs below Dell - Part#: Optiplex 3020	50	\$645.80	\$32,290.00
		Subtotal	\$32,290.00
		Total	\$32,290.00

Additional Comments

Pricing per MHEC MC11-F05
OptiPlex 3020 Small Form Factor BTX Base (210-ABDX)
1
4GB (1x4GB) 1600MHz DDR3 Non-ECC (370-AAJE)
1
US English (QWERTY) Dell KB212-B QuietKey USB Keyboard Black (580-AAQX)
1
Display Not Included (480-ABFW)
1
Intel Integrated Graphics, Dell OptiPlex (490-BBFG)
1
No Wireless LAN Card (555-BBNI)
1
3.5 inch 500GB 7200rpm Hard Disk Drive (400-AANO)
1
Windows 8.1 (64Bit) English (619-ADTB)
1
Dell Logitech USB Optical Mouse (570-AADU)
1
8X Slimline DVD+/-RW drive (429-AAJU)
1
Internal Dell Business Audio Speaker (520-AABP)
1
Thank You for Choosing Dell (555-BBNG)
1
System Power Cord (Philipine/TH/US) (450-AAOJ)

1
Safety/Environment and Regulatory Guide (English/French/Dutch) (340-AGIK)
1
Onsite Service After Remote Diagnosis 3 Years (803-8590)
1
Dell Limited Hardware Warranty Plus Service (803-8583)
1
Intel Core I5-4590 (Quad Core, 3.30GHz Turbo, 6MB, w/ HD Graphics 4600) (338-BEUB)
1
Microsoft Office Trial, MUI, OptiPlex, Precision, Latitude (630-AABP)
1
No DDPE Encryption Software (954-3465)
1
Dell 19 Monitor - E1914H (480-ABOC)
1
No Diagnostic/Recovery CD media (340-ABJI)
1
No ESTAR (387-BBCG)
1
Dell Digital Delivery Cirrus Client (340-AAUC)
1
Dell Client System Update (Updates latest Dell Recommended BIOS, Drivers, Firmware and Apps),OptiPlex (421-5334)
1
Thank you for buying Dell (421-9982)
1
Dell Data Protection System Tools Digital Delivery/DT (422-0008)
1
SW,MY-DELL,CRRS (422-0052)
1
Visit www.dell.com/encryption (632-BBBZ)
1
Thank you for buying Dell (632-BBCB)
1
Enable Low Power Mode (658-BBMQ)
1
Waves Maxx Audio (658-BBNH)
1
No Quick Reference Guide (340-ABKW)
1
OptiPlex 3020 Small Form Factor Chassis with Standard Power Supply V2 (321-BBLR)
1
Chassis Intrusion Switch (461-AAAX)
1
Small Form Factor Chassis Mainstream Heatsink (95watts) (412-AABM)
1
SHIP MTL,SYSM,OptiPlex SFF (340-ACGR)
1
No Accessories (461-AABV)
1
No Anti-Virus Software (650-AAAJ)
1
Windows 8.1 DVD OS Recovery(English) (620-AASU)
1
Regulatory Label OptiPlex 3020 Small Form Factor (389-BDSE)
1
Intel Core I5 Label (389-BBWP)
1
Fixed Hardware Configuration (998-BLQP)
1
Cyberlink Media Suite Essentials for Windows 8.1 without Media (658-BBTV)
1
US Order (332-1286)
1
Dell Backup and Recovery Basic (637-AAAS)
1
No UPC Label (389-BDCE)
1
Management Engine (340-AGMO)

1
Desktop BTO Standard shipment (800-BBIO)
1
Flexible Catalog Config 04, OptiPlex 3020 SFF (610-BBEC)
1
Not Selected in this Configuration (817-BBBC)
1

The Products offered under this proposal are subject to the SHI Return Policy posted at www.shi.com/returnpolicy, unless there is an existing agreement between SHI and the Customer.



Pricing Proposal
 Quotation #: 11653927
 Created On: 6/1/2016
 Valid Until: 6/30/2016

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All Prices are in US Dollar (USD)

Product	Qty	Your Price	Total
1 Epson BrightLink 595Wi - LCD projector - 3300 lumens - WXGA (1280 x 800) - 16:10 - HD - LAN with 2 years Epson Road Service Program Epson - Part#: V11H599022	1	\$2,069.70	\$2,069.70
2 Epson BrightLink 585Wi - LCD projector - 3300 lumens - WXGA (1280 x 800) - 16:10 - HD - ultra short-throw lens - LAN with 2 years Epson Road Service Program Epson - Part#: V11H600022	1	\$1,898.00	\$1,898.00
3 Epson BrightLink 575Wi - LCD projector - 2700 lumens - WXGA (1280 x 800) - 16:10 - HD - LAN Epson - Part#: V11H601022	1	\$1,725.40	\$1,725.40

The district will be purchasing the Epson BrightLink 595Wi
 Additionally, installation is being estimated at \$940 per projector to
 account for labor cost inflation

Subtotal \$5,693.10
 Total \$5,693.10

Additional Comments

Pricing per MHEC MC11-F05

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Pricing Proposal
 Quotation #: 10376391
 Created On: 10/2/2015
 Valid Until: 10/30/2015

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Product	Qty	Your Price	Total
1 HP 5406R 44GT PoE+ / 4SFP+ (No PSU) v3 z12 Switch - Switch - managed - 44 x 10/100/1000 (PoE+) + 4 x 1 Gigabit / 10 Gigabit SFP+ - rack-mountable - PoE+ Hewlett Packard Enterprise - Part#: JL003A	1	\$4,633.90	\$4,633.90
2 HP - Power supply (plug-in module) - 1100 Watt - United States - for HP 5406R, 5406R z12, 5412R, 5412R z12 Hewlett Packard Enterprise - Part#: J9829A#ABA	2	\$752.40	\$1,504.80
3 HP Management Module - Network management device - plug-in module Hewlett Packard Enterprise - Part#: J9827A	1	\$1,530.00	\$1,530.00
4 HP X450 4U/7U Universal - Rack mounting kit - for HP 5406R, 5406R z12, 5412R, 5412R z12 Hewlett Packard Enterprise - Part#: J9852A	1	\$244.30	\$244.30
		Subtotal	\$7,913.00
		Total	\$7,913.00

Additional Comments

Pricing per MHEC MC11-F05

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