

Board of Education Capital Plan FY16-FY21

PROJECT TITLE: TIS 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 Intermediate School. Includes the purchase of desktop computers, digital microscopes, interactive projection systems, and network switches.

- 30 Computers
- 24 Intermediate School grade Digital Microscopes
- 1 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 | | | | \$34,071 | | \$34,071 |
| Vehicle Purchase | | | | | | |
| Other | | | | | | |
| Contingency | | | | | | |
| TOTALS | | | | \$34,071 | | \$34,071 |
| 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 | | | | | | |

TIS Science Lab Technology Upgrades

| Item | Qty | Cost ea. | Total |
|---------------------------------|-----|----------|------------------|
| Dell Optiplex 3020 Computer | 30 | \$ 646 | \$ 19,380 |
| IS Digital Microscope | 24 | \$ 250 | \$ 6,000 |
| Switch Chassis | 1 | \$ 4,634 | \$ 4,634 |
| Switch Modules (24 pt or 20 +4) | 2 | \$ 1,530 | \$ 3,060 |
| Switch Chassis Redundant PS | 1 | \$ 752 | \$ 752 |
| Swich Rack Mounting Kit | 1 | \$ 245 | \$ 245 |
| Total | | | \$ 34,071 |

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.



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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Email: Jeff_Levin@shii.com

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

TOLLAND PUBLIC SCHOOLS

Business Development Manager

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All Prices are in US Dollar (USD)

| 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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