

BATH COUNTY SCHOOL BOARD

AGENDA ITEM: INFORMATION {    }                      ACTION { X }                      CLOSED MEETING {    }

**SUBJECT:**                      **SUPERINTENDENT’S REPORT - ACTION**

**Consideration of Capital Improvement Plan**

**BACKGROUND:**                      **An updated DRAFT of the CIP for FY2012-2013 through FY2016-2017 is provided.**

**RECOMMENDATION:**                      **Final revision/approval of the CIP must be made on January 9, 2012. The CIP plan must be submitted by noon on January 10, 2012.**

**BATH COUNTY PUBLIC SCHOOLS  
 PROPOSED CAPITAL IMPROVEMENT PLAN REQUESTS  
 FY 2012-2013 through FY 2016-2017**

**DRAFT**

Approved by School Board: \_\_\_\_\_

PRIORITY	PROJECT	FY2012-13	FY2013-14	FY2014-15	FY2015-16	FY2016-17
	Purchase of 1 New/Replacement School Bus (65 Passenger)	\$82,175 (1 bus)	\$172,568 (2 buses)	\$90,598 (1 bus)	\$190,256 (2 buses)	\$99,884 (1 bus)
		(5% Annual Price Increase)				
	Camera Surveillance/Entrance Access Systems - All Schools	\$103,000				
	BCHS Parking Lot Improvements (surface, lining, lighting)		\$160,000			
	Installation of Cameras on School Buses (\$1,400 per bus x 15)	\$21,000				
	Installation of Window Shades or Blinds at BCHS	\$14,807				
	Replacement of Student Lockers (with locks) at BCHS	\$40,000				
	Keyless Entry Systems (MES/VES/BCHS exterior doors) each 4 doors @ \$6,500	\$26,000+				
	Replacement of Football Scoreboard at BCHS	\$20,000				
	BCHS Football Field Improvements	\$60,000				

## Sue Hirsh

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**From:** Paul Lancaster  
**Sent:** Wednesday, January 04, 2012 8:24 PM  
**To:** Sue Hirsh  
**Subject:** School Security Cameras  
**Attachments:** School Security Cameras.pdf

Hawk Security says that last year's quote will be pretty close to current. The biggest variable will be the scope of any approved project. If we do fewer cameras, then it will be more important to use higher grade models. The \$95,000 high quality system was designed with balance between door coverage and hallways. Good coverage of hallways would only reduce the quote about \$10,000, and further reductions would impact expandability for future needs.

If \$85K-\$95K is just too much money, then it may be more reasonable to focus on BCHS for now (\$39K-\$42K, depending on camera numbers).

The additional \$7,500 for intercom access at main doors in our three school may have to wait, unless there is sufficient commitment from boards.

Paul Lancaster  
Director, Technology & Administrative Services  
Bath County Public Schools  
[www.bath.k12.va.us](http://www.bath.k12.va.us)

**Security Camera System for Entrances and Major Hallways**

Building	Economy Analog	High Resolution Analog	High Resolution Analog - IP Camera	High Resolution Digital IP
BCHS	\$17,215	\$29,485	\$34,140	\$42,015
VES	\$8,595	\$13,900	\$23,705	\$29,370
MES	\$7,660	\$10,895	\$16,965	\$23,550
<b>SUB-TOTAL</b>	<b>\$33,470</b>	<b>\$54,280</b>	<b>\$74,810</b>	<b>\$94,935</b>

**Intercom Access System**

Building	Intercom Access Control System (Front Door Only)	Intercom for 2 Entrances (BCHS & VES)
BCHS	\$970	\$2,720
VES	\$1,750	\$2,940
MES	\$1,750	\$1,750
<b>SUB-TOTAL</b>	<b>\$4,470</b>	<b>\$7,410</b>



Hawk Security Systems, Inc.  
1124 S. High Street  
Harrisonburg, VA 22801  
(540) 434-HAWK (4295)  
(800) 729 4295  
Fax: (540) 574-2722  
<http://www.hawksecuritysys.com>

DCIS License #11-1800  
November 23, 2010

### Bath County School System Camera Quote Numbers

Contact: Paul Lancaster 540-839-9108 / Email: [PaulL@bath.k12.va.us](mailto:PaulL@bath.k12.va.us)

#### Bath County High School:

##### **Option 1: Economy Analogue Camera System**

- 1- GE 16 camera DVR with DVD/CD Drive and 3 TB Storage
- 1- GE 8 camera DVR with DVD/CD Drive and 2 TB Storage
- 2- 17" LCD monitors
- 17- Indoor Dome Cameras
- 1- PTZ Camera
- 1- Joystick Controller
- 3- Power Supplies
- 18- Balun Transmitter and Receiver Sets
- CABLE

**Estimate Total-\$17,215**

##### **Option 2: High Resolution Analogue Camera System**

- 1- GE 16 camera DVR with DVD/CD Drive and 3 TB Storage
- 1- GE 8 camera DVR with DVD/CD Drive and 2 TB Storage
- 2- 17" LCD monitors
- 17- GE High Resolution Day/Night Dome Cameras 2.8-12mm
- 1- GE 18x zoom PTZ camera
- 1- Joystick Controller
- 1- Power Supply
- 18- Balun Combiners
- 1- Active Video Receiver
- 1- VDP Mid-span Combiner
- 1- End-span Receiver Combiner
- CABLE

**Estimate Total-\$29,485**

**Option 3: High Resolution Analogue-Quality IP Camera System**

- 1- GE 24 Camera NVR with 4 TB
- 1- 17" LCD Monitor
- 17- GE Day/Night H.264 Dome Cameras 2.8-10.5mm
- 1- GE IP 26x zoom PTZ Camera
- 1- Joystick Controller
- 1- Video Management Software
- 1- 24 Port POE Switch
- 2- 8 Port POE Switches
- CABLE

**Estimate Total- \$34,140**

**Option 4: Very High Resolution, Multi-Megapixel IP Camera System**

- 1- Clearpix Rackmount NVR with 5 TB of Storage
- 1 - 17" LCD Monitor
- 16- Clearpix Indoor 2 Megapixel H.264 Dome Cameras
- 1- Clearpix Vandal-Proof 5 Megapixel Dome for Gym
- 17-Clearpix Camera Licenses
- 1- Axis Outdoor 18x zoom 720p PTZ Camera
- 1- Joystick Controller
- 1- Video Management Software
- 1- 24 Port POE Switch
- 2- 8 Port POE Switches
- CABLE

**Estimate Total- \$42,015**

**Option 5: Intercom Access Control System**

- 1- Alphone 1x1 audio only with Lock Release
- 1- Lock Power Supply
- 1- Magnetic Lock
- 1- Request to Exit Motion Detector
- 1- Request to Exit Button
- CABLE

**Estimate Total-\$970**

**Valley Elementary School:**

***Option 1: Economy Analogue Camera System***

- 1- GE 16 camera DVR with DVD/CD Drive and 3 TB Storage
- 1- 17" LCD Monitor
- 13- Indoor Dome Cameras
- 2- Outdoor Dome Cameras
- 2- Power Supplies
- CABLE

***Estimate Total-\$8,595***

***Option 2: High Resolution Analogue Camera System***

- 1- GE 16 camera DVR with DVD/CD Drive and 3 TB of Storage
- 1- 17" LCD Monitor
- 15- GE Day/Night Indoor/Outdoor High Resolution Cameras
- 2- 8 Camera Power Supplies
- CABLE

***Estimate Total-\$13,900***

***Option 3: High Resolution Analogue-Quality IP Camera System***

- 1- GE 24 Camera NVR with 4 TB
- 1- 17" LCD Monitor
- 15- GE Day/Night H.264 Dome Cameras 2.8-10.5mm
- 2- Wall Mounts for Outdoor Dome Cameras
- 1- Video Management Software
- 1- 24 Port POE Switch
- CABLE

***Estimate Total- \$23,705***

***Option 4: Very High Resolution, Multi-Megapixel IP Camera System***

- 1- Clearpix Rackmount NVR with 5 TB of Storage
- 1- 17" LCD Monitor
- 12- Clearpix Indoor 2 Megapixel H.264 Dome Cameras
- 1- Clearpix Vandal-Proof 5 Megapixel Dome for Gym
- 2- Clearpix Outdoor 2 Megapixel H.264 Dome Cameras
- 15-Clearpix Camera Licenses
- 1- Video Management Software
- 1- 24 Port POE Switch

*(Continuation of Option 4 for VALLEY ELEMENTARY SCHOOL)*

CABLE

**Estimate Total- \$29,370**

**Option 5: Video-Intercom Access Control System for Front Door Only**

1- Aiphone 1x1 audio/video system with Lock Release

1- Lock Power Supply

1- Magnetic Lock

1- Request to Exit Motion Detector

1- Request to Exit Button

CABLE

**Estimate Total-\$1,750**

**Option 6: Video-Intercom Access Control System for Front Door and Handicapped Entrance**

1- Aiphone 2x1 audio/video system with Lock Release

1- Lock Power Supply

2- Magnetic Locks

2- Request to Exit Motion Detectors

2- Request to Exit Buttons

CABLE

**Estimate Total-\$2,940**

**Millboro Elementary School:**

**Option 1: Economy Analogue Camera System**

1- GE 16 camera DVR with DVD/CD Drive and 3 TB Storage

1- 17" LCD Monitor

9- Indoor Dome Cameras

1- Outdoor Dome Camera

2- Power Supplies

CABLE

**Estimate Total-\$7,660**

**Option 2: High Resolution Analogue Camera System**

1- GE 16 camera DVR with DVD/CD Drive and 3 TB of Storage

1- 17" LCD Monitor

10- GE Day/Night Indoor/Outdoor High Resolution Cameras

2- 8-Camera Power Supplies

CABLE



*(Continuation of Option 2 for Millboro Elementary School)*  
**Estimate Total-\$10,895**

**Option 3: High Resolution Analogue-Quality IP Camera System**

- 1- GE 12 Camera NVR with 2 TB
- 1- 17" LCD Monitor
- 10- GE Day/Night H.264 Dome Cameras 2.8-10.5mm
- 1- Wall Mount for Outdoor Dome Camera
- 1- Video Management Software
- 2- 24 Port POE Switches
- CABLE

**Estimate Total- \$16,965**

**Option 4: Very High Resolution, Multi-Megapixel IP Camera System**

- 1- Clearpix Rackmount NVR with 5 TB of Storage
- 2- 17" LCD Monitors
- 8- Clearpix Indoor 2 Megapixel H.264 Dome Cameras
- 1- Clearpix Vandal-Proof 5 Megapixel Dome for Gym
- 1- Clearpix Outdoor 2 Megapixel H.264 Dome Camera
- 10-Clearpix Camera Licenses
- 1- Video Management Software
- 1- 24 Port POE Switch
- CABLE

**Estimate Total- \$23,550**

**Option 5: Video-Intercom Access Control System for Front Door**

- 1- Aiphone 1x1 audio/video system with Lock Release
- 1- Lock Power Supply
- 1- Magnetic Lock
- 1- Request to Exit Motion Detector
- 1- Request to Exit Button
- CABLE

**Estimate Total-\$1,750**

Estimate valid for 90 days and warranty for 12 months.

Sincerely,  
Brant Weller

**Sue Hirsh**

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**From:** Paul Lancaster  
**Sent:** Wednesday, January 04, 2012 7:41 PM  
**To:** Sue Hirsh  
**Subject:** Bus Cameras - CIP  
**Attachments:** Bath Co Angel Trax.pdf

This bid for a bus camera system would project out to \$21,000 for a 15 bus fleet.



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To: Paul (Bath Co.)

From: Mike Kersey

Date: 11/28/11

Re: Quote on Angel Trax Digital Camera System

- 1) HC460 4 Channel DVR w/320GB Hard Drive
- 1) FC6000 6mm Interior Camera
- 1) Installation included

Total cost per system : \$ 1,400.00

(Cost may vary depending on what type of bus the installation is performed on)

Thank You for your Business!

*Mike Kersey*

Integrated Electronics

434.821.1000 ext. 316

mikekersey@sonnymerryman.com

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*Quote Valid For 30 Days*

## Budget Blinds

542 Pell Ave  
Rocky Mount, VA 24151

RE: Bath County High School

Thank you for the opportunity to quote solar shades for your school. The quote is as follows:

\$14,807

The prices include shipping and installation. The quote is for (57) solar shades. The material is 35% fiberglass/ 65% vinyl on fiberglass. It is 3% open fabric with 97% UV blockage. The fabric is Greenguard Certified\* and Microban Certified\*\*. The fire rating is NFPA 701, NFPA 101 Class A\*\*\*. Please give me a call if you have any questions or would like another product quoted.

VA sales tax was not included. Please let me know if tax should be figured.

\*Greenguard - Low chemical and particle emitting fabrics. It complies with indoor air quality standards.

\*\*Microban – Antimicrobial protection that provides continuous protection against stain and odor-causing bacteria like mold and mildew

\*\*\*NFPA – National Fire Protection Association

Our fabric meets the Oeko-Tex Standard 100. This certifies that the fabric is free of PVC, halogen, lead, formaldehyde, allergenic dyes, pesticides, phenols, heavy metals and meets VOC content limits

Chip Lilly

540.420.3949 cell  
[3blindguys@budgetblinds.com](mailto:3blindguys@budgetblinds.com)

**J. H. Pence Co. VA Class A Contractor's License #2701 010093A**

**Republic Storage Systems  
1038 Belden Ave.  
Canton, OH 44705**

**Metal Lockers**

**All lockers have Black Frames and trim and Orange Doors**

**All lockers have Heavy Duty Bottoms**

**All new lockers are 12"w x 12"d x 60"h Single Tier Quiet Lockers**

**All Free Standing lockers have flat tops on 4" Z-Base**

**First Floor (Main Corridor)**

**Recessed Lockers 91 lockers with 1630 built in-locks**

**Free Standing 48 lockers with 1630 built-in locks**

**First Floor (8th grade Corridor)**

**Free Standing 41 lockers with 1630 built-in locks**

**Second Floor (Main Corridor)**

**Recessed Lockers 122 lockers with 1630 built in-locks**

**Athletic Lockers - 17 End Panels and 298 built-in locks (ML1630)**

**Price \$ 39,932.00**

**Price includes materials, tax, field checks, shipping, unloading, demo of old lockers and installation of new lockers and addition of end panels and locks to Athletic Lockers. Price does not include storage.**

**Price valid until February 15, 2012.**

**J. H. Pence Co.**

# TIME TECHNOLOGIES, INC.

326 TAZEWELL AVENUE S.E.  
ROANOKE, VA. 24013

Phone: (540) 345-5940 Fax: (540) 344-6872  
VA CONTRACTOR LICENSE 2705-029729A

## PRICE QUOTATION

PLEASE INDICATE THIS NUMBER WHEN ORDERING

**CUSTOMER PURCHASE ORDER REQUIRED**

**Bath County High School**

464 Charger Lane

Hot Springs, VA 24445

Attn: Will Fields

PROPOSED SHIP DATE: 30 Days  
TERMS: 50% down payment with order,  
50% on delivery  
F.O.B. DEST.  
SALES PERSON: BOWERS  
SHIPPING MODE: Delivered

Bath County HS FB-8318-2

Here is our quotation on the goods named subject to the conditions noted:

**CONDITIONS:** The prices and terms on this quotation are not subject to verbal changes or other agreements unless approved in writing by Time Technologies. Any purchase order where Bath County High School has made changes to prices or terms will be returned for revision. All quotations and agreements are contingent upon strikes, accidents, fires, availability of materials and all other causes beyond our control. Prices are based on costs and conditions existing on date of quotation and are subject to change by Time Technologies before final acceptance. Typographical and stenographic errors subject to correction. Bath County High School agrees to pay any and all taxes, fees and licenses which could occur at any time during the purchasing/installation process. Bath County High School assumes liability for patent and copyright infringement when goods are made to Bath County High School's specifications. When quotation specifies material to be furnished by Bath County High School, material must be of suitable quality to facilitate efficient product operation. Conditions not specifically stated herein shall be governed by established trade. Please sign here to indicate acceptance of these conditions: X\_\_\_\_\_

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	Fair-Play model FB-8318-2 Football Scoreboard with MP-73 control. Cabinet size: 18'L x 7'6"H. Orange trim, custom BC logo in lieu of home.	\$ 6635.00	\$ 6635.00
1	Wireless option, one transmitter and one receiver.	\$ 726.00	\$ 726.00
2	Fair-Play model FDO-1824 top or Bottom mounted Sponsor sign	\$ 730.00	\$ 1460.00
1	Custom 3' by 6' WAG as of 05/26. Use the existing top sign. Use the existing top sign	\$ 1000.00	\$ 1000.00
1	Set, Fair-Play model T-830-2 Field Timers with HS-70 hand switch.	\$ 2222.00	\$ 2222.00
2	Solar/battery options	\$ 600.00	\$ 1200.00
2	6" by 18' Sch 40 round poles ** for field timers.	\$ 240.00	\$ 480.00
1	Freight from factory	\$ 1100.00	\$ 1100.00
	<b>Total equipment cost:</b>		<b>\$14823.00</b>
1	Labor and travel time to site for install of Baseball board to new I-beams and Mount Football scoreboard to existing beams	\$ 4500.00	\$ 4500.00
1	Overnight and meals at Local Facility (across the street from BCHS)	\$ 150.00	\$ 150.00
	<b>Total for System with installation.</b> Concrete to be supplied locally		<b>\$19473.00</b>
1	Optional: Federal # 55 Horn	\$ 600.00	

Note: Customer to supply production ready artwork for signs. Orders that come in without artwork will be put on hold, which may affect your shipment date. Custom artwork available, if required, will be billed at our normal hourly rate. Service includes the modification of customer artwork supplied, which may be due to quality of design, quantity of changes or layout changes to not copy. Artwork for signs is expected to be submitted to us production ready. X\_\_\_\_\_

QUOTE VALID FOR 30 DAYS D12  
THIS QUOTE EXPIRES: 12/30/11

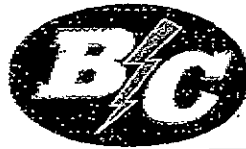
BY: \_\_\_\_\_  
AUTHORIZED AGENT: LES BOWERS

As an authorized agent of \_\_\_\_\_, my signature indicates that I agree to the terms of the above quotation, and hereby authorize Time Technologies to commence with the outlined tasks.

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

PRINT: \_\_\_\_\_ PO NUMBER: \_\_\_\_\_

FAIR-PLAY MODEL FB8318 FOOTBALL SCOREBOARD, EXITING TOP SIGN, CUSTOM 3' BY 6' BC LOGO WITH 4 FOOT BY 18 FOOT BOTTOM SIGN FOR SPONSORS AD SPACES 2' BY 9' MOUNTED TO EXISTING I-BEAMS (3)



# CARL F. WILLIAMS FIELD

HOME	10:37	VISITOR
28	TOL QTR TOL	23
3 DOWN	10 TO GO	ON 35


**EARTHWORKS & SPRINKLERS UNLIMITED, INC.**  
**SPORTS FIELD CONSTRUCTION**

*December 5, 2011*

To: *Will Fields*  
*Bath County High School*

Fax: *540-839-3290*

From: *Matt Harder*  
*804-641-0886*

Subject: *Carl F. Williams Football Field Renovations*



*Scope of Work*

*Till and laser grade field to build up crown at the center of the field. We will be able to crown the field with 1.25% or a little more on each side of the field. We will be working all the way to the fences on the sidelines to help build the proper crown. The area behind the end zones will stay the same.*

*Bid: \$15,080.00 (fifteen thousand, eighty dollars)*

*Earthworks will supply the sod ( 90% tall fescue, 10% blue grass, without netting ) and labor to sod back all areas that were regraded.*

*Bid: \$31,800.00 (thirty one thousand, eight hundred dollars)*

*Three options for an irrigation system:*

*Earthworks to supply all materials and labor to install a 3 row system to cover the football playing surface only.*

*Bid: \$ 18,800.00 ( eighteen thousand, eight hundred dollars )*

*Earthworks to supply all materials and labor to install a 4 row system to cover the football playing surface and the area on each side of the field to the track.*

*Bid: \$ 23,800.00 ( twenty three thousand, eight hundred dollars )*

*Earthworks to supply all materials and labor to install a connection for a water reel/cannon. This will have to be set up and unrolled each time you would water. The cannon will cover the playing surface, if set up in the middle of the field, in one pass.*

*Bid: \$ 18,600.00 ( eighteen thousand, six hundred dollars )*

*The water source is to be supplied by the Owner. It will have to produce at least 50 gallons of water per minute for any of the 3 options to work. If the system can only produce 25 gallons per minute, the price for the 3 row system will go up to \$24,800.00. The 4 row system will go up to \$31,800.00. We will only be running 2 heads per zone at 25 gallons per minute.*

*If you have any questions , please call my cell ( 804-641-0886 ) anytime.*

*Thank you, Matt Harder*

Accepted by: \_\_\_\_\_

Date: \_\_\_\_\_