**Smart Schools Investment Plan - Revised - Monticello CSD SSIP - SUPPLEMENTAL PLAN**

SSIP Overview

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**Institution ID**

800000036596

**1.** **Please enter the name of the person to contact regarding this submission.**

Kimberly Gordon

**1a.** **Please enter their phone number for follow up questions.**

845-794-9430

**1b.** **Please enter their e-mail address for follow up contact.**

kgordon@k12mcsd.net

**2.** **Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of an approved Smart Schools Investment Plan.**

Supplemental submission

**3.** All New York State public school districts are required to complete and submit a District Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations. Districts that include investments in high-speed broadband or wireless connectivity and/or learning technology equipment or facilities as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

**By checking this box, you certify that the school district has an approved District Instructional Technology Plan survey on file with the New York State Education Department.**

☑ District Educational Technology Plan Submitted to SED and Approved

**4.** **Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.**

**By checking the boxes below, you are certifying that you have engaged with those required stakeholders.**

☑ Parents

☑ Teachers

☑ Students

☑ Community members

**5.** **Did your district contain nonpublic schools in 2014-15?**

☑ Yes

☐ Yes, but they have all since closed, moved out of district or are declining use of SSBA funds

☐ No

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**6. Certify that the following required steps have taken place by checking the boxes below:**

☑ The district developed and the school board approved a preliminary Smart Schools Investment Plan.

☑ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.

☑ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occured as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.

☑ The district prepared a final plan for school board approval and such plan has been approved by the school board.

☑ The final proposed plan that has been submitted has been posted on the district's website.

**6a. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.**

MonticelloCSD - DRAFT SS Project Proposed Scope 04-17-2023 with Appendix 1.pdf

**6b. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.**

https://www.monticelloschools.net/district-administration/

**7. Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.**

2,766

**8. An LEA/School District may partner with one or more other LEA/School Districts to form a consortium to pool Smart Schools Bond Act funds for a project that meets all other Smart School Bond Act requirements. Each school district participating in the consortium will need to file an approved Smart Schools Investment Plan for the project and submit a signed Memorandum of Understanding that sets forth the details of the consortium including the roles of each respective district.**

☐ The district plans to participate in a consortium to partner with other school district(s) to implement a Smart Schools project.

**9. Please enter the name and 6-digit SED Code for each LEA/School District participating in the Consortium.**

| Partner LEA/District | SED BEDS Code |
|---|---|
| (No Response) | (No Response) |

**10. Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.**

(No Response)

**11. Your district's Smart Schools Bond Act Allocation is:**

$3,020,208

**12. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement**

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| | Public Enrollment | Nonpublic Enrollment | Total Enrollment | Nonpublic Percentage |
|---|---|---|---|---|
| Enrollment | 2,922 | 275 | 3,197.00 | 8.60 |

**13.** This table compares each category budget total, as entered in that category's page, to the total expenditures listed in the category's expenditure table. Any discrepancies between the two must **be resolved before submission.**

| | Sub-Allocations | Expenditure Totals | Difference |
|---|---|---|---|
| School Connectivity | 0.00 | 0.00 | 0.00 |
| Connectivity Projects for Communities | 0.00 | 0.00 | 0.00 |
| Classroom Technology | 0.00 | 0.00 | 0.00 |
| Pre-Kindergarten Classrooms | 0.00 | 0.00 | 0.00 |
| Replace Transportable Classrooms | 0.00 | 0.00 | 0.00 |
| High-Tech Security Features | 2,217,375.00 | 2,217,375.00 | 0.00 |
| Nonpublic Loan | 0.00 | 0.00 | 0.00 |
| **Totals:** | **2,217,375** | **2,217,375** | **0** |

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**1.** **In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:**

- sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or
- **is a planned use of a portion of Smart Schools Bond Act funds, or**
- **is under development through another funding source.**

**Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:**

**1. Specifically codified in a service contract with a provider, and**

**2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.**

**Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.**

(No Response)

**1a.** **If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.**

☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

**2.** Connectivity Speed Calculator (Required). If the district currently meets the required speed, enter "Currently Met" in the last box: Expected Date When Required Speed Will be Met.

| | Number of Students | Required Speed in Mbps | Current Speed in Mbps | Expected Speed to be Attained Within 12 Months | Expected Date When Required Speed Will be Met |
|---|---|---|---|---|---|
| Calculated Speed | (No Response) | 0.00 | (No Response) | (No Response) | (No Response) |

**3.** **Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in school buildings.**

(No Response)

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**4.** **Describe the linkage between the district's District Instructional Technology Plan and how the proposed projects will improve teaching and learning. (There should be a link between your response to this question and your responses to Question 1 in Section IV - NYSED Initiatives Alignment: "Explain how the district use of instructional technology will serve as a part of a comprehensive and sustained effort to support rigorous academic standards attainment and performance improvement for students."**

**Your answer should also align with your answers to the questions in Section II - Strategic Technology Planning and the associated Action Steps in Section III - Action Plan.)**

(No Response)

**5.** **If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.**

**Please describe how you have quantified this demand and how you plan to meet this demand.**

(No Response)

**6.** **Smart Schools plans with any expenditures in the School Connectivity category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.**

**Please indicate on a separate row each project number given to you by the Office of Facilities Planning.**

| Project Number |
|---|
| (No Response) |

**7.** **Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.**

**Was your project deemed eligible for streamlined review?**

(No Response)

**8.** **Include the name and license number of the architect or engineer of record.**

| Name | License Number |
|---|---|
| (No Response) | (No Response) |

**9.** Public Expenditures – Loanable (Counts toward the nonpublic loan calculation)

| Select the allowable expenditure type.<br>Repeat to add another item under each type. | **PUBLIC** Items to be Purchased | Quantity | Cost Per Item | Total Cost |
|---|---|---|---|---|
| (No Response) | (No Response) | (No Response) | (No Response) | 0.00 |

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| Select the allowable expenditure type.<br>Repeat to add another item under each type. | **PUBLIC** Items to be Purchased | Quantity | Cost Per Item | Total Cost |
|---|---|---|---|---|
| | | **0** | **0.00** | **0** |

**10.** Public Expenditures – Non-Loanable (Does not count toward nonpublic loan calculation)

| Select the allowable expenditure type.<br>Repeat to add another item under each type. | **PUBLIC** Items to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| (No Response) | (No Response) | (No Response) | (No Response) | 0.00 |
| | | **0** | **0.00** | **0** |

**11.** **Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)**

| | Public Enrollment | Nonpublic Enrollment | Total Enrollment | Nonpublic Percentage |
|---|---|---|---|---|
| Enrollment | 2,922 | 275 | 3,197.00 | 8.60 |

**12.** **Total Public Budget - Loanable (Counts toward the nonpublic loan calculation)**

| | Public Allocations | Estimated Nonpublic Loan Amount | Estimated Total Sub-Allocations |
|---|---|---|---|
| Network/Access Costs | (No Response) | 0.00 | 0.00 |
| School Internal Connections and Components | (No Response) | 0.00 | 0.00 |
| Other | (No Response) | 0.00 | 0.00 |
| **Totals:** | **0.00** | **0** | **0** |

**13.** Total Public Budget – Non-Loanable (Does not count toward the nonpublic loan calculation)

| | Sub-Allocation |
|---|---|
| Network/Access Costs | (No Response) |
| Outside Plant Costs | (No Response) |
| School Internal Connections and Components | (No Response) |
| Professional Services | (No Response) |
| Testing | (No Response) |
| Other Upfront Costs | (No Response) |
| Other Costs | (No Response) |
| **Totals:** | **0.00** |

**14.** **School Connectivity Totals**

| | Total Sub-Allocations |
|---|---|
| Total Loanable Items | 0.00 |

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| | Total Sub-Allocations |
|---|---|
| Total Non-loanable Items | 0.00 |
| **Totals:** | **0** |

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**1. Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in the community.**

(No Response)

**2. Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.**

(No Response)

**3. Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).**

☐ I certify that we will comply with all the necessary local building codes and regulations.

**4. Please describe the physical location of the proposed investment.**

(No Response)

**5. Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.**

| Project Partners | Federal ID # |
|---|---|
| (No Response) | (No Response) |

**6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| (No Response) | (No Response) | (No Response) | (No Response) | 0.00 |
| | | **0** | **0.00** | **0** |

**7. If you are submitting an allocation for Community Connectivity, complete this table.**

**Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

| | Sub-Allocation |
|---|---|
| Network/Access Costs | (No Response) |
| Outside Plant Costs | (No Response) |
| Tower Costs | (No Response) |
| Customer Premises Equipment | (No Response) |
| Professional Services | (No Response) |
| Testing | (No Response) |
| Other Upfront Costs | (No Response) |
| Other Costs | (No Response) |

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| | Sub-Allocation |
|---|---|
| **Totals:** | **0.00** |

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**1.** In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or is a planned use of a portion of Smart Schools Bond Act funds, or is under development through another funding source.

**Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:**

**1. Specifically codified in a service contract with a provider, and**

**2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.**

**Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.**

(No Response)

**1a.** **If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.**

☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

**2.** Connectivity Speed Calculator (Required). If the district currently meets the required speed, enter "Currently Met" in the last box: Expected Date When Required Speed Will be Met.

| | Number of Students | Required Speed in Mbps | Current Speed in Mbps | Expected Speed to be Attained Within 12 Months | Expected Date When Required Speed Will be Met |
|---|---|---|---|---|---|
| Calculated Speed | (No Response) | 0.00 | (No Response) | (No Response) | (No Response) |

**3.** **If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.**

**Please describe how you have quantified this demand and how you plan to meet this demand.**

(No Response)

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**4.** All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.

**Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.**

☐ By checking this box, you are certifying that the school district has an approved Instructional Technology Plan survey on file with the New York State Education Department.

**5.** **Describe the devices you intend to purchase and their compatibility with existing or planned platforms or systems. Specifically address the adequacy of each facility's electrical, HVAC and other infrastructure necessary to install and support the operation of the planned technology.**

(No Response)

**6.** **Describe how the proposed technology purchases will:**

**> enhance differentiated instruction;**

**> expand student learning inside and outside the classroom;**

**> benefit students with disabilities and English language learners; and**

**> contribute to the reduction of other learning gaps that have been identified within the district.**

The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the district's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?")

**In addition, describe how the district ensures equitable access to instruction, materials and assessments and participation in the general curriculum for both SWD and English Language Learners/Multilingual Learners (ELL/MLL) students.**

**Please note: If this plan has been identified as a Remote Learning Plan to be submitted and reviewed on an expedited basis, the district should explain how this plan will facilitate remote and hybrid learning, in lieu of responding to the question above.**

(No Response)

**7.** **Where appropriate, describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.**

(No Response)

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**8. Describe the district's plan to provide professional development to ensure that administrators, teachers and staff can employ the technology purchased to enhance instruction successfully.**

Note: This response should be aligned and expanded upon in accordance with your district's response to Question 1 of F. Professional Development of your Instructional Technology Plan: "Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience and method of delivery within your summary."

**Please note: If this plan has been identified as a Remote Learning Plan to be submitted and reviewed on an expedited basis, the district should provide a statement confirming that the district has provided or will provide professional development on these devices to its staff, in lieu of responding to the question above.**

(No Response)

**9. Districts must contact one of the SUNY/CUNY teacher preparation programs listed on the document on the left side of the page that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.**

☐ By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues.

**9a. Please enter the name of the SUNY or CUNY Institution that you contacted.**

(No Response)

**9b. Enter the primary Institution phone number.**

(No Response)

**9c. Enter the name of the contact person with whom you consulted and/or will be collaborating with on innovative uses of technology and best practices.**

(No Response)

**10. To ensure the sustainability of technology purchases made with Smart Schools funds, districts must demonstrate a long-term plan to maintain and replace technology purchases supported by Smart Schools Bond Act funds. This sustainability plan shall demonstrate a district's capacity to support recurring costs of use that are ineligible for Smart Schools Bond Act funding such as device maintenance, technical support, Internet and wireless fees, maintenance of hotspots, staff professional development, building maintenance and the replacement of incidental items. Further, such a sustainability plan shall include a long-term plan for the replacement of purchased devices and equipment at the end of their useful life with other funding sources.**

☐ By checking this box, you certify that the district has a sustainability plan as described above.

**11. Districts must ensure that devices purchased with Smart Schools Bond funds will be distributed, prepared for use, maintained and supported appropriately. Districts must maintain detailed device inventories in accordance with generally accepted accounting principles.**

☐ By checking this box, you certify that the district has a distribution and inventory management plan and system in place.

**12.**

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**Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be Purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| (No Response) | (No Response) | (No Response) | (No Response) | 0.00 |
| | | **0** | **0.00** | **0** |

**13.** **Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)**

| | Public Enrollment | Nonpublic Enrollment | Total Enrollment | Nonpublic Percentage |
|---|---|---|---|---|
| Enrollment | 2,922 | 275 | 3,197.00 | 8.60 |

**14.** **If you are submitting an allocation for Classroom Learning Technology complete this table.**

| | Public School Sub-Allocation | Estimated Nonpublic Loan Amount<br>(Based on Percentage Above) | Estimated Total Public and Nonpublic Sub-Allocation |
|---|---|---|---|
| Interactive Whiteboards | (No Response) | 0.00 | 0.00 |
| Computer Servers | (No Response) | 0.00 | 0.00 |
| Desktop Computers | (No Response) | 0.00 | 0.00 |
| Laptop Computers | (No Response) | 0.00 | 0.00 |
| Tablet Computers | (No Response) | 0.00 | 0.00 |
| Other Costs | (No Response) | 0.00 | 0.00 |
| **Totals:** | **0.00** | **0** | **0** |

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**1.** **Provide information regarding how and where the district is currently serving pre-kindergarten students and justify the need for additional space with enrollment projections over 3 years.**

(No Response)

**2.** Describe the district's plan to construct, enhance or modernize education facilities to accommodate pre-kindergarten programs. Such plans must include:

**- Specific descriptions of what the district intends to do to each space;**
**- An affirmation that new pre-kindergarten classrooms will contain a minimum of 900 square feet per classroom;**
**- The number of classrooms involved;**
**- The approximate construction costs per classroom; and**
**- Confirmation that the space is district-owned or has a long-term lease that exceeds the probable useful life of the improvements.**

(No Response)

**3.** **Smart Schools Bond Act funds may only be used for capital construction costs. Describe the type and amount of additional funds that will be required to support ineligible ongoing costs (e.g. instruction, supplies) associated with any additional pre-kindergarten classrooms that the district plans to add.**

(No Response)

**4.** **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

**Please indicate on a separate row each project number given to you by the Office of Facilities Planning.**

| Project Number |
|---|
| (No Response) |

**5.** **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| (No Response) | (No Response) | (No Response) | (No Response) | 0.00 |
| | | **0** | **0.00** | **0** |

**6.** **If you have made an allocation for Pre-Kindergarten Classrooms, complete this table.**
**Note that the calculated Total at the bottom of the table** must **equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

| | Sub-Allocation |
|---|---|
| Construct Pre-K Classrooms | |

Pre-Kindergarten Classrooms

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| | Sub-Allocation |
|---|---|
| | (No Response) |
| Enhance/Modernize Educational Facilities | (No Response) |
| Other Costs | (No Response) |
| **Totals:** | **0.00** |

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**1.** Describe the district's plan to construct, enhance or modernize education facilities to provide high-quality instructional space by replacing transportable classrooms.

(No Response)

**2.** **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

**Please indicate on a separate row each project number given to you by the Office of Facilities Planning.**

| Project Number |
|---|
| (No Response) |

**3.** **For large projects that seek to blend Smart Schools Bond Act dollars with other funds, please note that Smart Schools Bond Act funds can be allocated on a pro rata basis depending on the number of new classrooms built that directly replace transportable classroom units.**

**If a district seeks to blend Smart Schools Bond Act dollars with other funds describe below what other funds are being used and what portion of the money will be Smart Schools Bond Act funds.**

(No Response)

**4.** **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| (No Response) | (No Response) | (No Response) | (No Response) | 0.00 |
| | | **0** | **0.00** | **0** |

**5.** **If you have made an allocation for Replace Transportable Classrooms, complete this table.**
**Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

| | Sub-Allocation |
|---|---|
| Construct New Instructional Space | (No Response) |
| Enhance/Modernize Existing Instructional Space | (No Response) |
| Other Costs | (No Response) |
| **Totals:** | **0.00** |

High-Tech Security Features

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**1. Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.**

The Monticello Central School District has $2,217,375 remaining in Smart School Funding and the District would like to apply for the funding to improve Public Address, Mass Notification and Lockdown Systems throughout all of the District's facilities.

Facilities to be included:

· Emma Chase Elementary School

· George Cooke Elementary School

· Kenneth L. Rutherford Elementary School

· Robert J. Kaiser Middle School

· Monticello High School

· St. John Community School

· Bus Garage

Mass Notification / Sound with Automated Lockdown Systems typically have the following features:

· Initiation of a lockdown by panic buttons, on-premises telephones, and lockdown software.

· School and Campuswide paging via speakers and horns located inside and outside of the facilities.

· Visual displays advising occupants of the type of emergency.

· Blue Strobe lights, located inside and outside of the facilities.

· Interface to Door Access Control to restrict access into the facilities during a lockdown.

· Interface to Fire Alarm System to release magnetic hold opens on smoke doors in the corridors. This causes a distraction and may also impede an active shooter from entering other areas of the schools as some of the smoke doors have locking features when released.

· Interface to Cellular dialers with internet back up for automatically contacting the Monitoring Agency or 911 directly when a lockdown is initiated.

· Email and Text messages to school administrative groups.

· Broadcast of lockdown messages over on-premises IP Telephones

**Chase Elementary School:**

1. Network Cabling Infrastructure and cable pathways:

a. The existing network cabling in the facility will support close to 90 percent of the new data network connections required for the new Mass notification and Lockdown System. The existing classroom have several Cat 6a data cables that were installed 6 years ago that are available to be pulled back from the classroom and into the corridor and then re-installed in the classroom to support a new combination speaker and electronic display device. There may also be sufficient spare cable capacity to support new IP devices in offices and corridors.

b. Specialized spaces such as Gyms, Auditorium and cafeterias will require the new Cat 6a cable to be installed.

2. Network Switching:

a. The District has some spare port capacity in the existing switches and if additional switches are required then the District will provide them with alternate funding.

3. Uninterruptible Power Supplies (UPS):

a. The District has some spare power capacity in the existing UPS's and if additional power / battery backup is required then the District

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will provide them with alternate funding.

4. Telecom Closets (Racks, Power, Cooling, etc.)

a. The single telecom closet in Chase ES is very small and there is very little room to add more equipment and cabling. Therefore, improvements will be required to this space or a totally new telecom closet should be constructed.

5. Sound Systems:

a. The existing sound system is a traditional Analog Public Address System that is over 35 years old. There have been some speakers and associate wiring added over the years but the system should be completely removed and replaced with the new IP Public Address, Mass Notification and Lockdown System.

b. Listed below are some of the existing system components that would be maintained:

i. The local Sound System that serves the Multi- Purpose Room will be interfaced to the new Mass Notification system so it is silenced when an emergency page is issued on the new system.

c. The new IP Public Address, Mass Notification and Lockdown System will primarily consist of Atlas IPX products controlled by Singlewire Informacast software. Common spaces such as corridors, exterior, gyms, cafeterias, auditoriums will consist of Analog devices with multi-channel amplifiers.

6. Clock Systems:

a. There are a variety of clocks installed throughout the school. They are typically analog clocks that are battery powered. All of these clocks will be removed as they will be replaced with new electronic displays.

b. Many of the clocks are installed on a combination clock / speaker housing. This housing would remain and the new Atlas IPX Classroom Display / Speaker would be installed.

c. There is existing abandoned 120V and low voltage clock wire in the facility that will need to be removed to comply with the National Electrical Code. Removing this wiring also opens up pathways for data cabling to serve the new Atlas IP Speaker / Electronic Display units.

d. Atlas IED Display / Speaker Units will be installed in all classrooms and offices.

e. Atlas Display units will be installed in the Multi-Purpose Room.

f. No atlas Displays will be installed in the Corridors as the Elementary schools do not have a class change schedule. If the budget permits that could be considered for convenience.

7. IP Phone System Interfaces

a. The District currently uses the existing IP Telephone System to interface with the Singlewire Emergency Notification Software. All Facilities would use this technology so paging can be initiated from designated IP telephones or by activating a code for paging.

b. The existing IT Telephone System will also be programmed to initiate a lockdown from any onpremises telephone. The Telephone system will be programmed with a specialized code to access the Lockdown System and then a secondary code will be requested to confirm a lockdown is to be implemented in the facility or campus.

8. Fire Alarm Interface:

a. The Fire Alarm System does have magnet holders for smoke doors in the facility. Therefore, the new Lockdown System will be interfaced with the existing Fire Alarm System.

9. Monitoring Agency Dialer interface:

a. New Cellular Dialers with internet backup are currently being installed by the District. These new dialers will also be used to

automatically report a Lockdown to 911 or the Monitoring Agency.

10. Door Access Control Interface.

a. The new Lockdown System will interface to the existing Genetec Door Access Control (DAC) system to restrict access into the facility during a lockdown. The District can provide DAC credentials to select Admin and Police based on updated Lockdown Procedures.

11. Lockdown Procedures

a. Two (2) panic buttons would be installed in the School:

i. Main Visitor Entrance

ii. Main Office

b. The District will need to review current lockdown procedures and then develop New Lockdown Procedures once the new Mass Notification & Lockdown System becomes operational. There is no Smart School Funding budgeted for this as this would be a typical operational exercise for the District.

12. Visitor Entrances:

a. No improvements are included in this proposed Smart Schools Project.

13. Visitor Badging Systems:

a. No improvements are included in this proposed Smart Schools Project.

14. District Email and Text Software:

a. Singlewire Informacast Emergency Notification software will interface to the District's current email and text notification systems.

**Cooke Elementary School:**

1. Network Cabling Infrastructure and cable pathways:

a. The existing network cabling in the facility will support close to 90 percent of the new data network connections required for the new Mass notification and Lockdown System. The existing classroom have several Cat 6a data cables that were installed 6 years ago that are available to be pulled back from the classroom and into the corridor and then re-installed in the classroom to support a new combination speaker and electronic display device. There may also be sufficient spare cable capacity to support new IP devices in offices and corridors.

b. Specialized spaces such as Gyms, Auditorium and cafeterias will require new Cat 6a cable to be installed.

2. Network Switching:

a. The District has some spare port capacity in the existing switches and if additional switches are required then the District will provide them with alternate funding.

3. Uninterruptable Power Supplies (UPS):

a. The District has some spare power capacity in the existing UPS's and if additional power / battery backup is required then the District will provide them with alternate funding.

4. Telecom Closets (Racks, Power, Cooling, etc.)

a. The Telecom closets in the Cooke ES are in good condition with very little need for improvements.

5. Sound Systems:

a. The existing sound system is a traditional Analog Public Address System that is over 25 years old. There have been some speakers and associate wiring added over the years but the system should be completely removed and replaced with the new IP Public Address, Mass Notification and Lockdown System.

b. Listed below are some of the existing system components that would be maintained:

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i. The local Sound System that serves the Gym will be interfaced to the new Mass Notification system so they are silenced when an emergency page is issued on the new system.

c. The new IP Public Address, Mass Notification and Lockdown System will primarily consist of Atlas IPX products controlled by Singlewire Informacast Software. Common spaces such as corridors,

exterior, gyms, cafeterias, auditoriums will consist of Analog devices with multi-channel amplifiers.

6. Clock Systems:

a. There are a variety of clocks installed throughout the school. They are typically analog clocks that are battery powered. All of these clocks will be removed as they will be replaced with new

electronic displays.

b. There is existing abandoned 120V and Low Voltage clock wire in the facility that will need to be removed to comply with the National Electrical Code. Removing this wiring also opens up

pathways for data cabling to serve the new Ip Speaker / Electronic Display units.

c. Atlas IED Display / Speaker Units will be installed in all classrooms and offices.

d. Atlas Display units will be installed in the Gym and Auditorium.

e. No atlas Displays will be installed in the Corridors as the Elementary schools do not have a class change schedule. If the budget permits that could be considered for convenience.

7. IP Phone System Interfaces

a. The District currently uses the existing IP Telephone System to interface with the Singlewire Emergency Notification Software. All Facilities would use this technology so paging can be

initiated from designated IP telephones or by activation a code for paging.

b. The existing IT Telephone System will also be programmed to initiate a lockdown from any onpremises

telephone. The Telephone system will be programmed with a specialized code to access the Lockdown System and then a secondary code will be requested to confirm a lockdown is to be

implemented in the facility or campus.

8. Fire Alarm Interface:

a. The Fire Alarm System does have magnet holders for smoke doors in the facility. Therefore, the new Lockdown System will be interfaced with the existing Fire Alarm System.

9. Monitoring Agency Dialer interface:

a. New Cellular Dialers with internet backup are currently being installed by the District. These new dialers will also be used to automatically report a Lockdown to 911 or the Monitoring Agency.

10. Door Access Control Interface.

a. The new Lockdown System will interface to the existing Genetec Door Access Control (DAC) system to restrict access into the facility during a lockdown. The District can provide DAC

credentials to select Admin and Police based on updated Lockdown Procedures.

11. Lockdown Procedures

a. Two (2) panic buttons would be installed in the School:

i. Main Visitor Entrance

ii. Main Office

b. The District will need to review current lockdown procedures and then develop New Lockdown Procedures once the new Mass Notification & Lockdown System becomes operational. There is

no Smart School Funding budgeted for this as this would be a typical operational exercise for the District.

12. Visitor Entrances:

a. No improvements are included in this proposed Smart Schools Project.

13. Visitor Badging Systems:

a. No improvements are included in this proposed Smart Schools Project.

14. District Email and Text Software:

a. Singlewire Informacast Emergency Notification software will interface to the District's current email and text notification systems.

**Rutherford Elementary School:**

1. Network Cabling Infrastructure and cable pathways:

a. The existing network cabling in the facility will support close to 90 percent of the new data network connections required for the new Mass notification and Lockdown System. The existing

classroom have several Cat 6a data cables that were installed 6 years ago that are available to be pulled back from the classroom and into the corridor and then re-installed in the classroom to

support a new combination speaker and electronic display device. There may also be sufficient spare cable capacity to support new IP devices in offices and corridors.

b. Specialized spaces such as Gyms, Auditorium and cafeterias will require new Cat 6a cable to be installed.

2. Network Switching:

a. The District has some spare port capacity in the existing switches and if additional switches are required then the District will provide them with alternate funding.

3. Uninterruptable Power Supplies (UPS):

a. The District has some spare power capacity in the existing UPS's and if additional power / battery backup is required then the District will provide them with alternate funding.

4. Telecom Closets (Racks, Power, Cooling, etc.)

a. The Telecom closets in the Rutherford ES School are in good condition with very little need for improvements.

5. Sound Systems:

a. The existing sound system is a traditional Analog Public Address System that is over 25 years old. There have been some speakers and associate wiring added over the years but the system should

be completely removed and replaced with the new IP Public Address, Mass Notification and Lockdown System.

b. Listed below are some of the existing system components that would be maintained:

i. Local Sound Systems that serve the Gym and Auditorium will be interfaced to the new Mass Notification system so they are silenced when an emergency page is issued on the new system.

c. The new IP Public Address, Mass Notification and Lockdown System will primarily consist of Atlas IPX products controlled by Singlewire Informacast Software. Common spaces such as corridors,

exterior, gyms, cafeterias, auditoriums will consist of Analog devices with multi-channel amplifiers.

6. Clock Systems:

a. There are a variety of clocks installed throughout the school. They are typically analog clocks that are battery powered. All of these clocks will be removed as they will be replaced with new

electronic displays.

b. There is existing abandoned 120V and Low Voltage clock wire in the facility that will need to be removed to comply with the National Electrical Code. Removing this wiring also opens up

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pathways for data cabling to serve the new IP Speaker / Electronic Display units.

7. IP Phone System Interfaces

a. The District currently uses the existing IP Telephone System to interface with the Singlewire Emergency Notification Software. All Facilities would use this technology so paging can be

initiated from designated IP telephones or by activation a code for paging.

b. The existing IT Telephone System will also be programmed to initiate a lockdown from any onpremises telephone. The Telephone system will be programmed with a specialized code to access

the Lockdown System and then a secondary code will be requested to confirm a lockdown is to be implemented in the facility or campus.

8. Fire Alarm Interface:

a. The Fire Alarm System does have magnet holders for smoke doors in the facility. Therefore, the new Lockdown System will be interfaced with the existing Fire Alarm System.

9. Monitoring Agency Dialer interface:

a. New Cellular Dialers with internet backup are currently being installed by the District. These new dialers will also be used to automatically report a Lockdown to 911 or the Monitoring Agency.

10. Door Access Control Interface.

a. The new Lockdown System will interface to the existing Genetec Door Access Control (DAC) system to restrict access into the facility during a lockdown. The District can provide DAC

credentials to select Admin and Police based on updated Lockdown Procedures.

11. Lockdown Procedures

a. Two (2) panic buttons would be installed in the School:

i. Main Visitor Entrance

ii. Main Office

b. The District will need to review current lockdown procedures and then develop New Lockdown Procedures once the new Mass Notification & Lockdown System becomes operational. There is

no Smart School Funding budgeted for this as this would be a typical operational exercise for the District.

12. Visitor Entrances:

a. No improvements are included in this proposed Smart Schools Project.

13. Visitor Badging Systems:

a. No improvements are included in this proposed Smart Schools Project.

14. District Email and Text Software:

a. Singlewire Informacast Emergency Notification software and interface to the District's current email and text notification systems.

**Middle School:**

1. Network Cabling Infrastructure and cable pathways:

1. The existing network cabling in the facility will support close to 80 percent of the new data network connections required for the new Mass notification and Lockdown System. The existing

classroom have several Cat 6a data cables that were installed 6 years ago that are available to be pulled back from the classroom and into the corridor and then re-installed in the classroom to

support a new combination speaker and electronic display device. There may also be sufficient spare cable capacity to support new IP devices in offices and corridors.

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2. Specialized spaces such as Gyms, Auditorium and cafeterias will require the new Cat 6a cable to be installed.

2. Network Switching:

1. The District has some spare port capacity in the existing switches and if additional switches are required then the District will provide them with alternate funding.

3. Uninterruptable Power Supplies (UPS):

1. The District has some spare power capacity in the existing UPS's and if additional power / battery backup is required then the District will provide them with alternate funding.

4. Telecom Closets (Racks, Power, Cooling, etc.)

1. The Telecom closets in the Middle School are in good condition with very little need for improvements.

5. Sound Systems:

1. The existing sound system is a traditional Analog Public Address System that is over 25 years old. There have been some speakers and associate wiring added over the years. This sound system will be maintained to provide paging in the following locations:

i. Corridors

ii. Bathrooms

iii. Gyms

iv. Cafeteria

v. Exterior

2. Listed below are some of the existing sound system components that would be maintained:

i. The location listed above will reuse the existing sound system speakers, horns and associated speaker cabling.

ii. All Local Sound Systems that serve Gym and Cafeteria will be maintained. These systems will be interfaced to the new Mass Notification system, so they are silenced when an emergency page is issued on the new system by utilizing the existing control relays.

3. The new IP Public Address, Mass Notification and Lockdown System will primarily consist of Atlas IPX products controlled by Singlewire Informacast software. These devices will be located in Classrooms and Offices and also added to the corridors to complement the existing overhead paging.

6. Clock Systems:

1. There are a variety of clocks installed throughout the school. They are typically analog clocks that are battery powered. All of these clocks will be removed as they will be replaced with new electronic displays.

2. There is existing abandoned 120V and Low Voltage clock wire in the facility that will need to be removed to comply with the National Electrical Code. Removing this wiring also opens up pathways for data cabling to serve the new Ip Speaker / Electronic Display units.

7. IP Phone System Interfaces

1. The District currently uses the existing IP Telephone System to interface with the Singlewire Emergency Notification Software. All Facilities would use this technology so paging can be initiated from designated IP telephones or by activation a code for paging.

2. The existing IT Telephone System will also be programmed to initiate a lockdown from any onpremises telephone. The Telephone system will be programmed with a specialized code to access the Lockdown System and then a secondary code will be requested to confirm a lockdown is to be implemented in the facility or

campus.

8. Fire Alarm Interface:

1. The Fire Alarm System does have magnet holders for smoke doors in the facility. Therefore, the new Lockdown System will be interfaced with the existing Fire Alarm System.

9. Monitoring Agency Dialer interface:

1. New Cellular Dialers with internet backup are currently being installed by the District. These new dialers will also be used to automatically report a Lockdown to 911 or the Monitoring Agency.

10. Door Access Control Interface.

1. The new Lockdown System will interface to the existing Genetec Door Access Control (DAC) system to restrict access into the facility during a lockdown. The District can provide DAC

credentials to select Admin and Police based on updated Lockdown Procedures.

11. Lockdown Procedures

1. Two (2) panic buttons would be installed in the School:

i. Main Visitor Entrance

ii. Main Office

2. The District will need to review current lockdown procedures and then develop New Lockdown Procedures once the new Mass Notification & Lockdown System becomes operational. There is

no Smart School Funding budgeted for this as this would be a typical operational exercise for the District.

12. Visitor Entrances:

1. No improvements are included in this proposed Smart Schools Project.

13. Visitor Badging Systems:

1. No improvements are included in this proposed Smart Schools Project.

14. District Email and Text Software:

1. Singlewire Informacast Emergency Notification software and interface to the District's current email and text notification systems.

**High School**

1. Network Cabling Infrastructure and cable pathways:

a. The existing network cabling in the facility will support close to 90 percent of the new data network connections required for the new Mass notification and Lockdown System. The existing

classroom have several Cat 6a data cables that were installed 6 years ago that are available to be pulled back from the classroom and into the corridor and then re-installed in the classroom to

support a new combination speaker and electronic display device. There may also be sufficient spare cable capacity to support new IP devices in offices and corridors.

b. Specialized spaces such as Gyms, Auditorium and cafeterias will require new Cat 6a cable to be installed.

2. Network Switching:

a. The District has some spare port capacity in the existing switches and if additional switches are required then the District will provide them with alternate funding.

3. Uninterruptable Power Supplies (UPS):

a. The District has some spare power capacity in the existing UPS's and if additional power / battery backup is required then the District will provide them with alternate funding.

4. Telecom Closets (Racks, Power, Cooling, etc.)

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a. The Telecom closets in the High School are in good condition with very little need for improvements. Please see the Telecom Closet below that will require improvements:

i. TR-2 is a wall rack and does not have a UPS. Provide a four-post floor rack to support UPS provided by District. Also, Provide a power circuit for the new UPS.

ii. TR-3 is a wall rack and does not have a UPS. Provide a four-post floor rack to support UPS provided by District. Also, Provide a power circuit for the new UPS.

iii. TR-5 is a wall rack and UPS is setting on the floor. Provide a four-post floor rack to support UPS.

5. Sound Systems:

a. The existing sound system is a traditional Analog Public Address System that is over 25 years old. There have been some speakers and associate wiring added over the years. The recent Capital

Improvement Project also installed new speakers in the renovated Areas. This sound system will be maintained to provide paging in the following locations:

i. Corridors

ii. Bathrooms

iii. Gyms

iv. Cafeteria

v. Auditorium

vi. Exterior

b. Listed below are some of the existing sound system components that would be maintained:

i. The location listed above will reuse the existing sound system speakers, horns and associated speaker cabling.

ii. All Local Sound Systems that serve Gyms, Auditorium and Cafeteria will be maintained. These systems will be interfaced to the new Mass Notification system, so they are silenced when an emergency page is issued on the new system by utilizing the existing control relays.

c. The new IP Public Address, Mass Notification and Lockdown System will primarily consist of Atlas IPX products controlled by Singlewire Informacast software. These devices will be located in

Classrooms and Offices and also added to the corridors to complement the existing overhead paging.

6. Clock Systems:

a. There are a variety of clocks installed throughout the school. They are typically analog clocks that are battery powered. All of these clocks will be removed as they will be replaced with new

electronic displays.

b. There is existing abandoned 120V and Low Voltage clock wire in the facility that will need to be removed to comply with the National Electrical Code. Removing this wiring also opens up

pathways for data cabling to serve the new Ip Speaker / Electronic Display units.

7. IP Phone System Interfaces

a. The District currently uses the existing IP Telephone System to interface with the Singlewire Emergency Notification Software. All Facilities would use this technology so paging can be

initiated from designated IP telephones or by activation a code for paging.

b. The existing IT Telephone System will also be programmed to initiate a lockdown from any onpremises telephone. The Telephone system will be programmed with a specialized code to access

the Lockdown System and then a secondary code will be requested to confirm a lockdown is to be implemented in the facility or

campus.

8. Fire Alarm Interface:

a. The Fire Alarm System does have magnet holders for smoke doors in the facility. Therefore, the new Lockdown System will be interfaced with the existing Fire Alarm System.

9. Monitoring Agency Dialer interface:

a. New Cellular Dialers with internet backup are currently being installed by the District. These new dialers will also be used to automatically report a Lockdown to 911 or the Monitoring Agency.

10. Door Access Control Interface.

a. The new Lockdown System will interface to the existing Genetec Door Access Control (DAC) system to restrict access into the facility during a lockdown. The District can provide DAC

credentials to select Admin and Police based on updated Lockdown Procedures.

11. Lockdown Procedures

a. The District will need to review current lockdown procedures and then develop New Lockdown Procedures once the new Mass Notification & Lockdown System becomes operational. There is

no Smart School Funding budgeted for this as this would be a typical operational exercise for the District.

12. Visitor Entrances:

a. No improvements are included in this proposed Smart Schools Project.

13. Visitor Badging Systems:

a. No improvements are included in this proposed Smart Schools Project.

14. District Email and Text Software:

a. Singlewire Informacast Emergency Notification software and interface to the District's current email and text notification systems.

St. John's Community School:

1. Network Cabling Infrastructure and cable pathways:

a. Original Building: The existing network cabling is very old and is not routed to the newer Data Cabling Racks that the District has recently installed. Therefore, none of the existing data cabling

will be re-purposed to support the new Sound System IP Devices.

b. Pre-School Section of the School: The existing network cabling is very old and there are limited data cables in each classroom and offices. Therefore, new Cat 6a data cabling will be installed to

support all IP Devices to be installed.

c. The Gym and Auditorium have IP speakers installed and the existing network cabling supporting those devices will be reused.

d. The Cafeterias will require new Cat 6a cable to be installed.

2. Network Switching:

a. Original School: The District has some spare port capacity in the existing switches and if additional switches are required then the District will provide them with alternate funding.

b. Pre-School Portion of the School: New Switches will need to be provided and the District will provide them with alternative funding sources.

3. Uninterruptable Power Supplies (UPS):

a. Original School: The District has some spare power capacity in the existing UPS's and if additional power / battery backup is required then the District will provide them with alternate funding.

b. Pre-School Portion of the School: New UPS will need to be provided. The District will provide them with alternative funding sources.

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4. Telecom Closets (Racks, Power, Cooling, etc.)

a. The Telecom closets in the Original Section of the High School are in good condition with very little need for improvements.

b. The Telecom Closet that will require improvements are listed below:

i. Pre-School Section: Classroom 009 Data Rack is a wall mounted data rack that may serve network drops in all three floors of the Pre-School Section of the building. This should be replaced with a new floor mounted and enclosed Data rack.

ii. Pre-School Section: Copy Room 210 (Nurse's Office): There is a floor mounted and enclosed data rack in this location. There is sufficient room within the rack to add more cabling and equipment. All new IP Devices on the third floor could be cabled to this rack.

5. Sound Systems:

a. Original School: The existing sound system, located in Office 115A, is a traditional Analog Public Address System that is over 30 years old and has been abandoned. The system should be completely removed and replaced with the new IP Public Address, Mass Notification and Lockdown System.

b. Pre-School Section: The existing analog speakers do not work in this section of the building as they are connected to the abandoned PA system in Office 115A.

c. Corridors: All Corridors in both the Original School and the Pre-School section have new Atlas Double sided speaker display units recently installed to provide some paging capabilities in the school. These units will be maintained. However, they may need to be re-mounted to they are more securely fastened to the walls.

d. The Gym and Auditorium have IP Speakers installed to provide minimal paging capabilities. These spaces will have additional speakers and displays installed to improve building communications.

e. There are no localized sound systems installed in the Gym, Auditorium or Cafeteria.

6. Clock Systems:

a. There are a variety of clocks installed throughout the school. They are typically analog clocks that are battery powered. All of these clocks will be removed as they will be replaced with new electronic displays.

b. There is existing abandoned 120V and low voltage clock wire in the facility that will need to be removed to comply with the National Electrical Code. Removing this wiring also opens up pathways for data cabling to serve the new IP Speaker / Electronic Display units.

c. Atlas IED Display / Speaker Units will be installed in all classrooms and offices.

d. Atlas Display units will be installed in the Gym, Auditorium and Cafeteria.

e. Additional Atlas Double Displays (with no speakers) will be installed in the Corridors as the school does have a class change schedule.

7. IP Phone System Interfaces

a. The District currently uses the existing IP Telephone System to interface with the Singlewire Emergency Notification Software. All Facilities would use this technology so paging can be initiated from designated IP telephones or by activation of a code for paging.

b. The existing IT Telephone System will also be programmed to initiate a lockdown from any onpremises telephone. The Telephone system will be programmed with a specialized code to access the Lockdown System and then a secondary code will be requested to confirm a lockdown is to be implemented in the facility or campus.

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8. Fire Alarm Interface:

a. The Fire Alarm System does have magnet holders for smoke doors in the facility. Therefore, the new Lockdown System will be interfaced with the existing Fire Alarm System.

9. Monitoring Agency Dialer interface:

a. New Cellular Dialers with internet backup are currently being installed by the District. These new dialers will also be used to automatically report a Lockdown to 911 or the Monitoring Agency.

10. Door Access Control Interface.

a. The new Lockdown System will interface to the existing Genetec Door Access Control (DAC) system to restrict access into the facility during a lockdown. The District can provide DAC

credentials to select Admin and Police based on updated Lockdown Procedures.

11. Lockdown Procedures

a. Four (4) panic buttons would be installed in the School:

i. Main Visitor Entrance

ii. Main Office of Pre-School

iii. Main Office of Original School

iv. Secondary Office of Original School

b. The District will need to review current lockdown procedures and then develop New Lockdown Procedures once the new Mass Notification & Lockdown System becomes operational. There is

no Smart School Funding budgeted for this as this would be a typical operational exercise for the District.

12. Visitor Entrances:

a. No improvements are included in this proposed Smart Schools Project.

13. Visitor Badging Systems:

a. No improvements are included in this proposed Smart Schools Project.

14. District Email and Text Software:

a. Singlewire Informacast Emergency Notification software and interface to the District's current email and text notification systems.

**New Bus Garage:**

1. Network Cabling Infrastructure and cable pathways:

a. The existing network cabling in the facility is only one year old and does have some spare Cat 6 cables to be re-purposed for new IP Clock and Speakers. However, not all spaces that require

new IP devices have spare Cat 6 cable. Any new cabling will be terminated in the existing Data Rack.

2. Network Switching:

a. The District has some spare port capacity in the existing switches and if additional switches are required then the District will provide them with alternate funding.

3. Uninterruptable Power Supplies (UPS):

a. The District may not have spare power capacity in the existing UPS's. Therefore, ECC recommends additional UPS and associated batteries to maintain the additional Power over Ethernet Load on

the Network for 2 hours. Also, the existing Bogen sound amp will be connected to the new UPS. The District will provide the new UPS with alternate funding.

b. The wall mounted Data Rack does not have space, nor can it support the weight of the new UPS and batteries. Therefore, a small floor mounted 4 post rack will be installed next to the Data Rack

to house the UPS and batteries.

4. Telecom Closets (Racks, Power, Cooling, etc.)

a. The Telecom closet in the new Bus Garage is good condition with very little need for improvements other than as described in Item 3. above.

b. A new power circuit shall also be installed to support the new UPS.

5. Sound Systems:

a. The existing sound system is a traditional Analog Public Address System that is only 1 year old. The main sound amp is a Bogen 60-watt amp with an IP Zone Page Module installed for network based (IP) paging.

b. There are several areas in the New Bus Garage that do not have speakers or will need additional speakers to increase paging sound levels. It is recommended to install additional analog devices and attach them to the Analog Sound Amp.

c. If spare data cables are available then an alternative to install IP Speakers and horns will be considered.

d. Exterior Paging: There are no exterior horns for paging installed at the New Bus Garage. Speaker / Horns will be installed on all sides of the building to provide proper paging coverage. These new IP Devices can be patched into existing, spare Cat 6 cabling that was installed for IP Cameras under the CIP.

6. Clock System:

a. There is a new Primex wireless clock system with Primex secondary clocks that have batteries. These clocks will be maintained.

b. No new Electronic Displays will be installed in the Bus Garage.

7. IP Phone System Interfaces

a. The District currently uses the existing IP Telephone System to interface with the Singlewire Emergency Notification Software. All Facilities would use this technology so paging can be initiated from designated IP telephones or by activating a code for paging.

b. The existing IT Telephone System will also be programmed to initiate a lockdown from any onpremises telephone. The Telephone system will be programmed with a specialized code to access the Lockdown System and then a secondary code will be requested to confirm a lockdown is to be implemented in the facility or campus.

8. Fire Alarm Interface:

a. The Fire Alarm System does have magnet holders for smoke doors in the facility. Therefore, the new Lockdown System will be interfaced with the existing Fire Alarm System.

9. Monitoring Agency Dialer interface:

a. New Cellular Dialers with internet backup are currently being installed by the District. These new dialers will also be used to automatically report a Lockdown to 911 or the Monitoring Agency.

10. Door Access Control Interface.

a. The new Lockdown System will interface to the existing Genetec Door Access Control (DAC) system to restrict access into the facility during a lockdown. The District can provide DAC credentials to select Admin and Police based on updated Lockdown Procedures.

11. Lockdown (Panic Buttons & Procedures)

a. No Panic Buttons will be installed in the Bus Garage.

b. The District will need to review current lockdown procedures and then develop New Lockdown Procedures once the new Mass

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Notification & Lockdown System becomes operational. There is
no Smart School Funding budgeted for this as this would be a typical operational exercise for the District.
12. Visitor Entrances:
a. No improvements are included in this proposed Smart Schools Project.
13. Visitor Badging Systems:
a. No improvements are included in this proposed Smart Schools Project.
14. District Email and Text Software:
a. Singlewire Informacast Emergency Notification software is used to interface to the District's current email and text notification systems.

**2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Smart Schools plans with any expenditures in the High-Tech Security category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.**
**Please indicate on a separate row each project number given to you by the Office of Facilities Planning.**

| Project Number |
|---|
| 59-14-01-06-7-999-004 |

**3. Was your project deemed eligible for streamlined Review?**

☐ Yes
☑ No

**4. Include the name and license number of the architect or engineer of record.**

| Name | License Number |
|---|---|
| CPL - Chris Ladanyi | 37759 |

**5. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| Electronic Security System | IP Zone Page Modules | 28 | 1,259.00 | 35,252.00 |
| Electronic Security System | Barix Modules (I/0) | 22 | 888.00 | 19,536.00 |
| Electronic Security System | Amplifier | 6 | 3,087.00 | 18,522.00 |
| Electronic Security System | Mounting Kit | 14 | 198.00 | 2,772.00 |
| Electronic Security System | Power Distribution Unit | 8 | 247.00 | 1,976.00 |

High-Tech Security Features

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| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| Electronic Security System | Atlas IPX Classroom & Office Display / Speaker | 367 | 1,728.00 | 634,176.00 |
| Electronic Security System | Atlas IPX Single Small Display | 37 | 1,358.00 | 50,246.00 |
| Electronic Security System | Rauland 8 inch Analog Ceiling Speaker | 155 | 123.00 | 19,065.00 |
| Electronic Security System | Rauland Round Back Box | 155 | 68.00 | 10,540.00 |
| Electronic Security System | Rauland Tile Bridge for 2x2 | 155 | 56.00 | 8,680.00 |
| Electronic Security System | Bogen Voice Announcement Relays | 9 | 401.00 | 3,609.00 |
| Electronic Security System | RDL Power Supplies | 9 | 352.00 | 3,168.00 |
| Electronic Security System | Rauland Wide Angle 30 watt horn ( Gym & Pool) | 16 | 309.00 | 4,944.00 |
| Electronic Security System | Rauland 30 Horn for exterior | 65 | 237.00 | 15,405.00 |
| Electronic Security System | Rauland Watertight connector for 3603 | 62 | 49.00 | 3,038.00 |
| Electronic Security System | Singlewire / Atlas / Hybrid Sound & Lockdown Integration Cost ( 20%) Chase Elem | 1 | 14,443.00 | 14,443.00 |
| Electronic Security System | Fire Alarm Integration | 1 | 1,614.00 | 1,614.00 |
| Electronic Security System | NAC Panels | 15 | 3,087.00 | 46,305.00 |
| Electronic Security System | Blue Strobes | 252 | 247.00 | 62,244.00 |
| Electronic Security System | Wire guards for strobes | 18 | 123.00 | 2,214.00 |
| Entry Control System | Panic Buttons Under Desk | 16 | 123.00 | 1,968.00 |
| Electronic Security System | Rack | 5 | 4,939.00 | 24,695.00 |
| Electronic Security System | upgrade cabling in telecom room | 1 | 4,939.00 | 4,939.00 |
| Electronic Security System | Re-Purposed Cat 6A Cabling & Testing (CLRMs only) | 398 | 617.00 | 245,566.00 |
| Electronic Security System | New Cat 6 cabling | 151 | 1,235.00 | 186,485.00 |
| Electronic Security System | Analog Speaker & Horn Circuits | 28 | 3,704.00 | 103,712.00 |
| Electronic Security System | Cabling for system interface FA / DAC / Dialer | 7 | 8,026.00 | 56,182.00 |
| Electronic Security System | Strobe Light Circuits | 20 | 9,260.50 | 185,210.00 |

High-Tech Security Features

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| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| Electronic Security System | VAR 1 Cut out relay wiring & Install | 6 | 617.00 | 3,702.00 |
| Capital-Intensive Security Project | Demolition Analog Speakers / Horns | 588 | 31.00 | 18,228.00 |
| Capital-Intensive Security Project | Demolition Call Buttons | 305 | 31.00 | 9,455.00 |
| Capital-Intensive Security Project | Demolition Speaker wiring | 568 | 43.00 | 24,424.00 |
| Capital-Intensive Security Project | Demolition Clocks | 595 | 31.00 | 18,445.00 |
| Capital-Intensive Security Project | Demolition Clock Wiring | 595 | 43.00 | 25,585.00 |
| Capital-Intensive Security Project | Demolition Main Sound Rack | 5 | 1,235.00 | 6,175.00 |
| Capital-Intensive Security Project | Demolition Ceiling Tile Replacements | 265 | 71.60 | 18,974.00 |
| Capital-Intensive Security Project | Demolition Old Panic Button System | 6 | 123.50 | 741.00 |
| Electronic Security System | Atlas IPX Single Small Display | 42 | 1,852.00 | 77,784.00 |
| Electronic Security System | Singlewire / Atlas / Hybrid Sound & Lockdown Integration Cost (20%) Cooke Elem | 1 | 27,009.00 | 27,009.00 |
| Electronic Security System | Singlewire / Atlas / Hybrid Sound & Lockdown Integration Cost (20%) Middle School | 1 | 41,240.00 | 41,240.00 |
| Electronic Security System | Singelwire Informacast Software Software (Fusion 1 Year Option) | 1 | 17,307.00 | 17,307.00 |
| Electronic Security System | Atlas IPX Speaker Extension - 8 Ohm | 4 | 309.00 | 1,236.00 |
| Electronic Security System | Singlewire / Atlas / Hybrid Sound & Lockdown Integration Cost (20%) High School | 1 | 47,838.00 | 47,838.00 |
| Entry Control System | Panic Buttons - Wall | 4 | 247.00 | 988.00 |
| Electronic Security System | Control cabling for Panics | 21 | 432.00 | 9,072.00 |

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| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| Electronic Security System | UPS | 4 | 5,556.00 | 22,224.00 |
| Electronic Security System | Large Display | 3 | 2,223.00 | 6,669.00 |
| Electronic Security System | Large Display Plexi Guard | 2 | 741.00 | 1,482.00 |
| Electronic Security System | Singlewire / Atlas / Hybrid Sound & Lockdown Integration Cost (20%) Bus Garage | 1 | 37,633.00 | 37,633.00 |
| Electronic Security System | Exterior IP Speaker / Horns | 5 | 926.00 | 4,630.00 |
| Electronic Security System | Rauland 30 Horn for Interior | 7 | 237.00 | 1,659.00 |
| Electronic Security System | Singlewire / Atlas / Hybrid Sound & Lockdown Integration Cost ( 20%) | 1 | 1,613.00 | 1,613.00 |
| Electronic Security System | Rack to support UPS | 1 | 1,235.00 | 1,235.00 |
| Electronic Security System | Power Circuit for UPS Rack | 1 | 247.00 | 247.00 |
| Electronic Security System | Re-Use Cat 6 Cabling (patch to existing) | 6 | 247.00 | 1,482.00 |
| Electronic Security System | Singlewire / Atlas / Hybrid Sound & Lockdown Integration Cost (20%) Rutherford Elem | 1 | 23,181.00 | 23,181.00 |
| Electronic Security System | American Time Speaker/Horn Wire Guards | 4 | 152.75 | 611.00 |
| | | **5,065** | **275,169.35** | **2,217,375** |

**6.** **If you have made an allocation for High-Tech Security Features, complete this table.**

**Enter each Sub-category Public Allocation based on the the expenditures listed in Table #5.**

| | Sub-Allocation |
|---|---|
| Capital-Intensive Security Project (Standard Review) | 122,027.00 |
| Electronic Security System | 2,092,392.00 |
| Entry Control System | 2,956.00 |
| Approved Door Hardening Project | (No Response) |
| Other Costs | (No Response) |
| **Totals:** | **2,217,375.00** |

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**1.** **Describe your plan to utilize SSBA funds to purchase devices and loan to the nonpublic schools within your district. Please specify what devices have been requested by the nonpublic schools. If the nonpublic schools have not finalized requests, the district should provide the date nonpublic schools will submit the request by.**

**Please note: If this plan has been identified as a Remote Learning Plan to be submitted and reviewed on an expedited basis, the district should state that they will reach out to the nonpublic schools upon submission of the application, in lieu of responding to the question above.**

(No Response)

**2.** **A final Smart Schools Investment Plan cannot be approved until school authorities have adopted regulations specifying the date by which requests from nonpublic schools for the purchase and loan of Smart Schools Bond Act classroom technology must be received by the district.**

☐ By checking this box, you certify that you have such a plan and associated regulations in place that have been made public.

**2a.** **Please enter the date each year nonpublic schools must request loanable items from the school district. This date cannot be earlier than June 1 of the previous school year.**

(No Response)

**3.** **Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)**

| | Public Enrollment | Nonpublic Enrollment | Total Enrollment | Nonpublic Percentage |
|---|---|---|---|---|
| Enrollment | 2,922 | 275 | 3,197.00 | 8.60 |

**4.** **Nonpublic Loan Calculator**

| | Loanable School Connectivity | Loanable Classroom Technology | Additional Nonpublic Loan (Optional) | Estimated Per Pupil Amount - This Plan | Previously Approved Per Pupil Amount(s) | Cumulative Per Pupil Loan Amount | Final Per Pupil Loan Amount - This Plan | Final Total Loan Amount - This Plan |
|---|---|---|---|---|---|---|---|---|
| Required Nonpublic Loan | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Final Adjusted Loan - (If additional loan funds) | 0.00 | 0.00 | (No Response) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**5.** **Nonpublic Share**

| | Final Per Pupil Amount | Final Nonpublic Loan Amount |
|---|---|---|
| Pending and Previously Approved Plans | 0.00 | 0.00 |
| This Plan | 0.00 | 0.00 |
| Total | 0.00 | 0.00 |

**6.** **Distribution of Nonpublic Loan Amount by School**

| Nonpublic School Name | 2018-19 K-12 Enrollment | Special Ed School? If Yes, not eligible |
|---|---|---|
| BAIS YISROEL SCHOOL | 133 | No |

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| Nonpublic School Name | 2018-19 K-12 Enrollment | Special Ed School? If Yes, not eligible |
|---|---|---|
| CENTER FOR DISCOVERY | | Yes |
| CENTER FOR DISCOVERY - CAFE BUILDING | | Yes |
| CENTER FOR DISCOVERY - LEARNING CNTR | | Yes |
| CENTER FOR DISCOVERY - RIDGE 1 | | Yes |
| CENTER FOR DISCOVERY - RIDGE 2 | | Yes |
| CENTER FOR DISCOVERY - RIDGE 3 | | Yes |
| CENTER FOR DISCOVERY - TANK BUILDING | | Yes |
| CENTER FOR DISCOVERY, INC | 240 | Yes |
| CENTER FOR DISCOVERY-ROCK HILL | | Yes |
| CENTER FOR DISCOVERY-ROCK HILL | | Yes |
| HEBREW DAY SCHOOL OF SULLIVAN & ULST | 36 | No |
| ICHUD MOSDOS MONTICELLO | | No |
| ICHUD MOSDOS MONTICELLO | | No |
| TALMUD TORAH IMREI BURECH | 130 | No |

**7. Please detail the type, quantity and per unit cost of the eligible items under each sub-category.**

| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Items to be purchased | Quantity | Cost Per Item | Total Cost |
|---|---|---|---|---|
| (No Response) | (No Response) | (No Response) | (No Response) | 0.00 |
| | | **0** | **0.00** | **0** |