

Smart Schools Investment Plan - HerricksSSBAv1

SSIP Overview

Page Last Modified: 07/18/2017

Group 1

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

Chris G Connors

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

516-305-8771

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

cconnors@herricks.org

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

First 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. Each box must be checked prior to submitting your Smart Schools Investment Plan.

☒ Parents
☒ Teachers
☒ Students
☒ Community members

- 4a. If your district contains non-public schools, have you provided a timely opportunity for consultation with these stakeholders?

☒ Yes
☐ No
☐ N/A

5. Certify that the following required steps have taken place by checking the boxes below: Each box must be checked prior to submitting your Smart Schools Investment Plan.

☒ 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 occurred 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.

Smart Schools Investment Plan - HerricksSSBAv1

SSIP Overview

Page Last Modified: 07/18/2017

- 5a. 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.

Smart_Schools_Investment_Plan_2016 (1).pdf

- 5b. 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://ny02208178.schoolwires.net/Page/11922>

6. 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.

5,000

7. 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.

8. 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)

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

(No Response)

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

\$966,909

11. Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is \$0, you will not be required to complete that survey question.

	Sub-Allocations
School Connectivity	966,909
Connectivity Projects for Communities	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	966,909

Smart Schools Investment Plan - HerricksSSBAv1

School Connectivity

Page Last Modified: 07/18/2017

Group 1

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.

Nassau BOCES, the largest private fiber-optic networks in the country, provides our district with high speed Internet with speeds of up to 500 Mbps.

- 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)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	3,939	393,900	393.9	500	500	9/1/2016

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

The District plans to replace all outdated (end of life) wired and wireless network infrastructure, including but not limited to: redundant core switches (10) access layer switches (68), wireless access points (338) firewall (1), redundant wireless access controllers (2) so that all of district connectivity (server farm to devices and/or wireless access points) will support 1Gbs.

Smart Schools Investment Plan - HerricksSSBAv1

School Connectivity

Page Last Modified: 07/18/2017

4. Describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?")

Herricks Union Free School District will continue to support a district wide-area telecommunications network with access to the Internet. This network connects all classrooms, schools and administrative offices. Students, teachers and administrators will continue to have access to global information for the classroom, office and workplace. Our classrooms and building learning spaces will be 21st learning environments of inquiry, providing instant access, through the WAN and the Internet, to information resources at the building, district, county, state, national and global levels. Teachers and students will continue to explore and implement an online presence to support 24/7 learning. This access will accelerate the routine tasks associated with learning, assessments, thinking and problem solving in all curriculum areas. Our teachers will have access to the most up-to-date achievement data for their students through our telecommunications network linking to the BOCES data warehouse, NWEA, School Meter and the New York State data repository. This data will be used to shape instruction for our students. The District will provide the needed technology resources to accommodate a robust online testing environment for all students, grades 3-12. All online testing device deployments will be made with the intent to maximize the use of technology resources for both formative and summative assessment and, most importantly, curriculum/instructional integration. Updated network infrastructure, switches and servers are an absolutely essential component of our plan. These improvements will greatly improve the speed and capabilities of both our current and future desktop and mobile device deployments as well as support our total technology-supported teaching and learning vision.

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.

During the process of developing a plan to update our network and wireless network infrastructure we consulted experts in the field, looked at our current district network utilization along with currently connected devices and the projected number of new devices we will be acquiring over the next five years. A detailed heat-map of all of our buildings was conducted and guided us in determining the most effective wired/wireless network infrastructure for the current and future needs of the district.

6. As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects. Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
28-04-09-03-7-999-BA1

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?

Yes

- 7a. Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

☒ I certify that I have reviewed all installations with a licensed architect or engineer of record.

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

Smart Schools Investment Plan - HerricksSSBAv1

School Connectivity

Page Last Modified: 07/18/2017

Name	License Number
Roger Smith	16514

9. If you are submitting an allocation for School 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	966,909
Outside Plant Costs	0
School Internal Connections and Components	0
Professional Services	0
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	966,909

10. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be eligible for tax-exempt financing to be reimbursed through the SSBA. Sufficient detail must be provided so that we can verify this is the case. If you have any questions, please contact us directly through smartschools@nysed.gov.
NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.
 Add rows under each sub-category for additional items, as needed.

Smart Schools Investment Plan - HerricksSSBAv1

School Connectivity

Page Last Modified: 07/18/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	EDU-C2960X-48FPD-L Cisco Catalyst 2960-X 48 GigE PoE Switch 2x10G SFP+	61	3,998	243,878
Network/Access Costs	C2960X-STACK Catalyst 2960-X FlexStack Plus Stacking Module	52	598	31,096
Network/Access Costs	EDU-C2960X-48FPS-L Catalyst 2960-X 48 GigE PoE Switch 4x1G SFP	5	3,298	16,490
Network/Access Costs	C1FACAT29002K9 Cisco ONE Foundation Lite Perpetual License - for Cat 2900 48 Port switch	66	100	6,600
Network/Access Costs	CON-ECMU-C1FPC292 Cisco SMARTnet Software Support Service SWSS UPGRADES C1 FND Perpetual - Cat2900 48 Port switching Hardware (36 month duration)	66	63	4,158
Connections/Components	CAB-STK-E-1M Cisco Bladeswitch 1M stack cable	9	100	900
Connections/Components	SFP-10G-SR-S Cisco - SFP+ transceiver module - 10 Gigabit Ethernet	80	325	26,000
Network/Access Costs	C1-WS3650-48FD/K9 Cisco ONE Catalyst 3650-48FD - switch - 48 ports - managed - rack-mountable	2	5,050	10,100
Network/Access Costs	CON-SNTP-3648FDK9 SMARTnet Hardware Replacement SNTC-24X7X4 C1 Cat 3650 48 Port Full PoE 2x10G Uplink switching Hardware (36 month duration)	2	2,137	4,274
Network/Access Costs	PWR-C2-1025WAC/2 1025W AC Config 2 Secondary Power Supply	2	900	1,800
Network/Access Costs	C1FPCAT36502K9 Cisco One Foundation Perpetual License - for Catalyst 3650 48-port switch	2	1,075	2,150
Network/Access Costs	CON-ECMU-C1FC3652 Cisco SMARTnet Software Support Service SWSS UPGRADES C1 FND Perpetual-Catalyst 3650 48-port switching (36 month duration)	2	630	1,260
Network/Access Costs	C1APCAT36502K9 Cisco One Advanced Perpetual-technical support - Catalyst 3650 48-port switching	2	1,750	3,500

Smart Schools Investment Plan - HerricksSSBAv1

School Connectivity

Page Last Modified: 07/18/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	Hardware			
Network/Access Costs	CON-ECMU-C1AP3652 Cisco SMARTnet Software Support Service SWSS UPGRADES C1 Advance Perpetual-Cat 3650 48Prt	2	1,103	2,206
Network/Access Costs	C1-WS3850-12XS-S Cisco ONE Catalyst 3850 12 Port 10G Fiber Switch IP Base	8	6,750	54,000
Network/Access Costs	CON-SNTP-C1WS385S SNTC-24X7X4 Cisco ONE Catalyst 3850 12 Port 10G Fiber switching hardware (36 month duration)	8	2,860	22,880
Network/Access Costs	PWR-C1-350WAC/2 350W AC Config 1 SecondaryPower Supply	8	325	2,600
Network/Access Costs	C1FPCAT38503K9 Cisco One Foundation Perpetual for Catalyst 3850 12-port Fiber switch	8	350	2,800
Network/Access Costs	CON-ECMU-C1FC3853 Cisco SMARTnet Software Support Service SWSS UPGRADES C1 FND Perpetual for Cat3850 12-port Fiber switch (36 month duration)	8	63	504
Network/Access Costs	C1APCAT38503K9 Cisco One Advanced Perpetual-technical support for Catalyst 3850 12-port Fiber switching hardware	8	1,000	8,000
Network/Access Costs	CON-ECMU-C1AC3853 Cisco SMARTnet Software Support Service SWSS UPGRADES C1 Advanced Perpetual Cat 3850 12Prt Fiber switch (36 month duration)	8	630	5,040
Network/Access Costs	C1-WSC3850-24XS-S Cisco ONE Catalyst 3850 24 Port 10G Fiber Switch IP Base	2	10,500	21,000
Network/Access Costs	CON-SNTP-C1WSC38X SNTC-24X7X4 Cisco ONE Catalyst 3850 24 Port 10G Fiber switching hardware (36 month duration)	2	4,445	8,890
Network/Access Costs	PWR-C1-715WAC/2 715W AC Config 1 Secondary Power Supply	2	625	1,250
Network/Access Costs	C1FPCAT38504K9 Cisco One Foundation Perpetual Catalyst 3850	2	350	700

Smart Schools Investment Plan - HerricksSSBAv1

School Connectivity

Page Last Modified: 07/18/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	24-port Fiber switching			
Network/Access Costs	CON-ECMU-C1FC3854 Cisco SMARTnet Software Support Service SWSS UPGRADES C1 FND Perpetual Cat3850 24-port Fiber switch (36 month duration)	2	63	126
Network/Access Costs	C1APCAT38504K9 Cisco One Advanced Perpetual-technical support Catalyst 3850 24-port Fiber switch	2	2,000	4,000
Network/Access Costs	CON-ECMU-C1AC3854 Cisco SMARTnet Software Support Service SWSS UPGRADES C1 Advance Perpetual Cat 3850 24Prt Fiber switch (36 month duration)	2	1,260	2,520
Network/Access Costs	FPR2110-NGFW-K9 Cisco Firepower 2110 NGFW Appliance, 1U	1	5,498	5,498
Network/Access Costs	CON-SNT-FPR21FWN SMARTnet SNTC-8X5XNBD Cisco Firepower 2110 NGFW Appliance, 1U Firewall hardware (36 month duration)	1	1,848	1,848
Network/Access Costs	L-FPR2110T-TMC-3Y Cisco FPR2110 Threat Defense Threat, Malware and URL License (36 month duration)	1	6,730	6,730
Network/Access Costs	L-FPR2110T-T-3Y Cisco FPR2110 Threat Defense Threat Protection License (36 month duration)	1	2,640	2,640
Network/Access Costs	L-FPR2110T-AMP-3Y Cisco FPR2110 Threat Defense Malware Protection License (36 month duration)	1	2,640	2,640
Network/Access Costs	L-FPR2110T-URL-3Y Cisco FPR2110 Threat Defense URL Filtering License (36 month duration)	1	2,640	2,640
Network/Access Costs	FS-VMW-2-SW-K9 Cisco Firepower Management Center,(VMWare) License for Firewall	1	250	250
Network/Access Costs	CON-ECMU-VMWSW2 SMARTnet SWSS UPGRADES Cisco Firepower Management Center,(VMWare) for Firewall (36 month duration)	1	210	210
Network/Access Costs	PI-UCS-APL-K9 Cisco Prime Infrastructure UCS Physical Hardware Appliance	1	9,266	9,266

Smart Schools Investment Plan - HerricksSSBAv1

School Connectivity

Page Last Modified: 07/18/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	CON-SNT-PIUCPLK9 SMARTnet SNTC-8X5XNBD Cisco Prime Infrastructure for CISCO Prime Appliance (36 month duration)	1	4,032	4,032
Network/Access Costs	PI-UCS-H900G10K12G 900GB 6Gb SAS 10K RPM SFF HDD/hot plug/drive sled mounted for CISCO Prime Appliance	4	683	2,732
Network/Access Costs	R-PI31-SW-K9 Prime Infrastructure 3.1 Software Support Service-technical support	1	13	13
Network/Access Costs	CON-ECMU-RPI31SW9 Cisco SMARTnet SWSS UPGRADES Prime Infrastructure 3.1 Software	1	11	11
Network/Access Costs	L-MGMT3X-PI-BASE Cisco Enterprise MGMT: PI 3.x Platform Base License	1	48	48
Network/Access Costs	CON-ECMU-LMGMBASE SMARTnet Software Support Service SWSS UPGRADES Cisco Ent MGMT PI 3.x Platform Base License	1	40	40
Network/Access Costs	L-MGMT3X-HA Cisco Enterprise MGMT: PI 3.x, APIC-EM High Availability License	1	1,498	1,498
Network/Access Costs	CON-ECMU-LMGMT3HA SMARTnet Software Support Service SWSS UPGRADES Cisco Ent MGMT PI 3.x, APIC-EM (36 month duration)	1	1,258	1,258
Professional Services	Installation and configuration of Cisco redundant core switches and Cisco access layer switches, redundant wireless controllers, Cisco access points, and Cisco Prime appliance. Project management service.	1	106,982	106,982
Network/Access Costs	C1-AIR-CT5520-K9 Cisco ONE- 5520 Wireless Controller w/rack mounting kit	2	10,000	20,000
Network/Access Costs	CON-SNT-CT5520K9 CISCO SMARTnet-extended service SNTC-8X5XNBD for Cisco 5520 Wireless controller (36 month duration)	2	5,460	10,920
Network/Access Costs	C1FPAIRK9 Cisco ONE Foundation Perpetual - Wireless License (36 month duration)	350	175	61,250

Smart Schools Investment Plan - HerricksSSBAv1

School Connectivity

Page Last Modified: 07/18/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	CON-ECMU-C1FPAIR SMARTnet Software Service Support SWSS UPGRADES C1 Foundation Perpetual - Wireless controller	350	111	38,850
Network/Access Costs	AIR-AP1852I-B-K9 Wireless Access Point 802.11ac Wave 2; 4x4:4SS; Int Antenna	338	497	167,986
Network/Access Costs	SFP-10G-LR-S= 10GBASE-LR SFP Transceiver Module, Enterprise-Class	4	950	3,800
Connections/Components	Cat6 Plenum Cable-Green Jacket M58286B	441	50	22,050
Connections/Components	Cat6 RJ-45 Jacks-Green Jack NSJ6GN	441	7	3,087
Connections/Components	24 Port Cat6 Patch Panel NS624U	28	132	3,696
Connections/Components	48 Port Cat6 Patch Panel NS648U	7	264	1,848
Connections/Components	1 Port Surface Box ISB1W	441	2	882
Connections/Components	Surface Mount Raceway-(Will be conduit for Gym's, etc.) HBL75010IV	500	1	500
Connections/Components	Surface Mount Box-Single Gang HBL5748IV	42	7	294
Connections/Components	Raceway Fittings-EMT Couplers HBL717IV	200	1	200
Connections/Components	Raceway Support Straps (EMT Straps) HBL704IV	150	1	150
Connections/Components	Faceplates-Single Gang IFP12OW	42	2	84
Connections/Components	Fire-Stop Material FS01	14	17	238
Connections/Components	Cat6 Patch Cords-1' AP Side	441	2	882
Connections/Components	Cat6 Patch Cords-5' AP Side	441	2	882
Professional Services	Labor to Install Install, term., & test (441) new Green Cat6 cables for AP. Label all new cables at both ends. Install 24/48 port Cat6 patch panels as needed in MDF/IDF. Install conduit in Gyms/Common areas where needed. Fire-Stop any penetrations needed. Install CDW supplied, AP brackets, AP's & Cages Install partner supplied patch cords/switch & AP side Clean site of all dust, material, and equipment.	1	96,624	96,624

Smart Schools Investment Plan - HerricksSSBAv1

School Connectivity

Page Last Modified: 07/18/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Professional Services	Installation and configuration of Cisco NGFWs as standby peers " Migrate configuration from existing ASA5520 to the new Cisco NGFW's " Configuration of the NGIPS, AVC, URL and AMP security services " Configuration of 1 virtual FirePower Management consoles " First day of support post-cutover " Documentation of the NGFW deployment " Knowledge transfer of the NGFW deployment " Project Management Services	1	14,838	14,838

Smart Schools Investment Plan - HerricksSSBAv1

Community Connectivity (Broadband and Wireless)

Page Last Modified: 06/28/2017

Group 1

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. 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)
Totals:	0

7. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

Add rows under each sub-category for additional items, as needed.

Smart Schools Investment Plan - HerricksSSBAv1Community Connectivity (Broadband and Wireless)

Page Last Modified: 06/28/2017

Select the allowable expenditure type. 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)	(No Response)

Smart Schools Investment Plan - HerricksSSBAv1

Classroom Learning Technology

Page Last Modified: 06/28/2017

Questions

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)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	(No Response)	(No Response)	(No Response)	(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)

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.

Smart Schools Investment Plan - HerricksSSBAv1

Classroom Learning Technology

Page Last Modified: 06/28/2017

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?"

(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)

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."

(No Response)

9. Districts must contact the SUNY/CUNY teacher preparation program 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)

Smart Schools Investment Plan - HerricksSSBAv1

Classroom Learning Technology

Page Last Modified: 06/28/2017

- 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. A district whose Smart Schools Investment Plan proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.

Are there nonpublic schools within your school district?

- ☐ Yes
☐ No

11. Nonpublic Classroom Technology Loan Calculator

The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of \$250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.

See:

http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.

	1. Classroom Technology Sub-allocation	2. Public Enrollment (2014-15)	3. Nonpublic Enrollment (2014-15)	4. Sum of Public and Nonpublic Enrollment	5. Total Per Pupil Sub-allocation	6. Total Nonpublic Loan Amount
Calculated Nonpublic Loan Amount	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

12. 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.

13. 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.

14. If you are submitting an allocation for Classroom Learning Technology 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.

Smart Schools Investment Plan - HerricksSSBAv1

Classroom Learning Technology

Page Last Modified: 06/28/2017

	Sub-Allocation
Interactive Whiteboards	(No Response)
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	(No Response)
Tablet Computers	(No Response)
Other Costs	(No Response)
Totals:	0

15. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

Please specify in the "Item to be Purchased" field which specific expenditures and items are planned to meet the district's nonpublic loan requirement, if applicable.

NOTE: Wireless Access Points that will be loaned/purchased for nonpublic schools should **ONLY** be included in this category, not under School Connectivity, where public school districts would list them.

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. 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)	(No Response)

Smart Schools Investment Plan - HerricksSSBAv1

Pre-Kindergarten Classrooms

Page Last Modified: 06/28/2017

Group 1

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 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. 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	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	0

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.
Add rows under each sub-category for additional items, as needed.

Smart Schools Investment Plan - HerricksSSBAv1

Pre-Kindergarten Classrooms

Page Last Modified: 06/28/2017

Select the allowable expenditure type. 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)	(No Response)

Smart Schools Investment Plan - HerricksSSBAv1

Replace Transportable Classrooms

Page Last Modified: 06/28/2017

Group 1

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. 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

5. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.
Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. 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)	(No Response)

Smart Schools Investment Plan - HerricksSSBAv1

High-Tech Security Features

Page Last Modified: 06/28/2017

Group 1

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.

(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. 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
(No Response)	(No Response)

5. If you have made an allocation for High-Tech Security Features, 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
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	(No Response)
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
Totals:	0

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. 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)	(No Response)

Smart Schools Investment Plan - HerricksSSBAv1

High-Tech Security Features

Page Last Modified: 06/28/2017

Smart Schools Investment Plan - HerricksSSBAv1

Report
