

Smart Schools Investment Plan - 2016-17 Version (Original) - Manhasset_UFSD_WiFi_Expansion_Part_2R

SSIP Overview

Page Last Modified: 12/17/2018

Institution ID

80000049069

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

Sean Adcroft

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

5162677531

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

Sadcroft@ManhassetSchools.org

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. 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

Smart Schools Investment Plan - 2016-17 Version (Original) - Manhasset_UFSD_WiFi_Expansion_Part_2R

SSIP Overview

Page Last Modified: 12/17/2018

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.

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.**

SSIP Letter for Wifi expansion Phase 2.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.**

www.ManhassetSchools.org/TechPlan

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.**

3,700

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:**

\$432,581

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	57,312
Connectivity Projects for Communities	

Smart Schools Investment Plan - 2016-17 Version (Original) - Manhasset_UFSD_WiFi_Expansion_Part_2R

SSIP Overview

Page Last Modified: 12/17/2018

	Sub-Allocations
	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	57,312

Smart Schools Investment Plan - 2016-17 Version (Original) - Manhasset_UFSD_WiFi_Expansion_Part_2R

School Connectivity

Page Last Modified: 12/14/2018

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.

The District enrollment is 3,253 students which requires 325.3 Mbps connectivity. The District provides 450 Mbps of connectivity via a 450 Mbps connection through Nassau BOCES BOTIE (burstable upon request to 750 Mbps). Additionally we have a 50 Mbps through Lightpath used as both a fail over system and as an expansion should we hit our limit on the BOTIE connection. This provides us with 500 Mbps regularly; burstable to 800 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	3,253	325,300	325.3	500	500	met

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

We dedicated our original application to a forklift upgrade of our wireless infrastructure in 2016. This resulted in a Smart Schools grant of \$146,007 supplemented by an additional \$97,847.96 from E-Rate to install new wireless access points in all three buildings of the school District. The District paid \$6678.69 for components that did not qualify for funding by either source for a total project cost of \$250,533.65. This latest phase of our plan is to add wiring to areas of the building not previously serviced by wifi. We will NOT be purchasing any hardware for this phase of the project.

Smart Schools Investment Plan - 2016-17 Version (Original) - Manhasset_UFSD_WiFi_Expansion_Part_2R

School Connectivity

Page Last Modified: 12/14/2018

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?")

One of our main goals is to have all students and teachers computer literate and ready to move to New York's stated goal of computer based testing (CBT). The District's IT Plan calls for an increased use of mobile technology in order to increase student and teacher exposure to various instructional technology tools such as - Google Classroom and Apps for Educators, Discovery Educational Network, and Castle Learning. This increased exposure will benefit students and teachers in several ways - access to enhanced content, increasing digital literacy, and increased comfort level with technology.

The district has been increasing student and staff access to its computer network for several years. Each classroom has at least one computer connected to our network and the Internet. Each classroom also has an interactive whiteboard. We have partnered on a number of technology initiatives with a school alumni group, The Manhasset Tower Foundation. nine years ago Tower helped us to install a wireless network in key locations throughout the district and to connect most classrooms via common access points.

Two years ago we utilized Smart Schools Bond money to upgrade those access points and replace all existing access points with new APs. We also purchased enough access points to deploy them to never before wired areas and rooms. This year we would like to provide wiring to those areas. Our enhanced wireless network is necessary to accommodate a growing number of devices being used within classrooms. Using district and Tower funds, we now have full classroom sets of Chromebooks in grades 3, 4, 5, & 6 as well as in all ELA and Social Studies classrooms grades 7 -12. Additionally, we have Chromebook carts in each of our four Library Media Centers and two elementary school computer labs which can be borrowed by any teacher without a class set of devices.

Due to this increased mobile technology presence, we need to insure that all classrooms and common areas (auditoriums, cafeterias, gymnasiums, etc) have sufficient wifi throughput to accommodate the number of devices now available to them. Again, this year's application is for wiring only.

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.

The District had an analysis of wifi needs done three years ago in anticipation of a wifi upgrade and our increasing device usage. The upgrade we began last year put phase one of our plan - the provision of more robust wifi - into place. Phase 2 - this application - will wire areas of each building that either did not have any wireless access or had limited wireless access.

The new access points purchased last year allow us to monitor usage and throughput. We regularly monitor wifi network traffic and our overall internet usage. We use this information to plan increases in ISP connectivity.

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
28-04-06-03-7-999-004

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

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

Name	License Number
John Grillo	27360

Smart Schools Investment Plan - 2016-17 Version (Original) - Manhasset_UFSD_WiFi_Expansion_Part_2R

School Connectivity

Page Last Modified: 12/14/2018

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	0
Outside Plant Costs	0
School Internal Connections and Components	57,312
Professional Services	0
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	57,312

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.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	Labor costs for wiring	1	28,800	28,800
Connections/Components	Wire Tag & Tone Labor	1	6,912	6,912
Connections/Components	Category 6 wire	1	21,600	21,600