



NYS Smart Schools Bond Act

January 2019 Overview of Phase II Security Project





History of New York Smart Schools Bond Act

- ◇ 2014 – Governor Cuomo called for \$2 Billion technology investment in schools
- ◇ November 2014 – Public approval of the Smart Schools Bond Act
- ◇ 2015 – Development of Smart Schools Bond Act guidelines
- ◇ April 2016 – Smart Schools Review Board was assembled
- ◇ June 2016 – First group of Smart School Investment Plans were approved





Allowable Project Categories

 Approved categories of expenditures include:

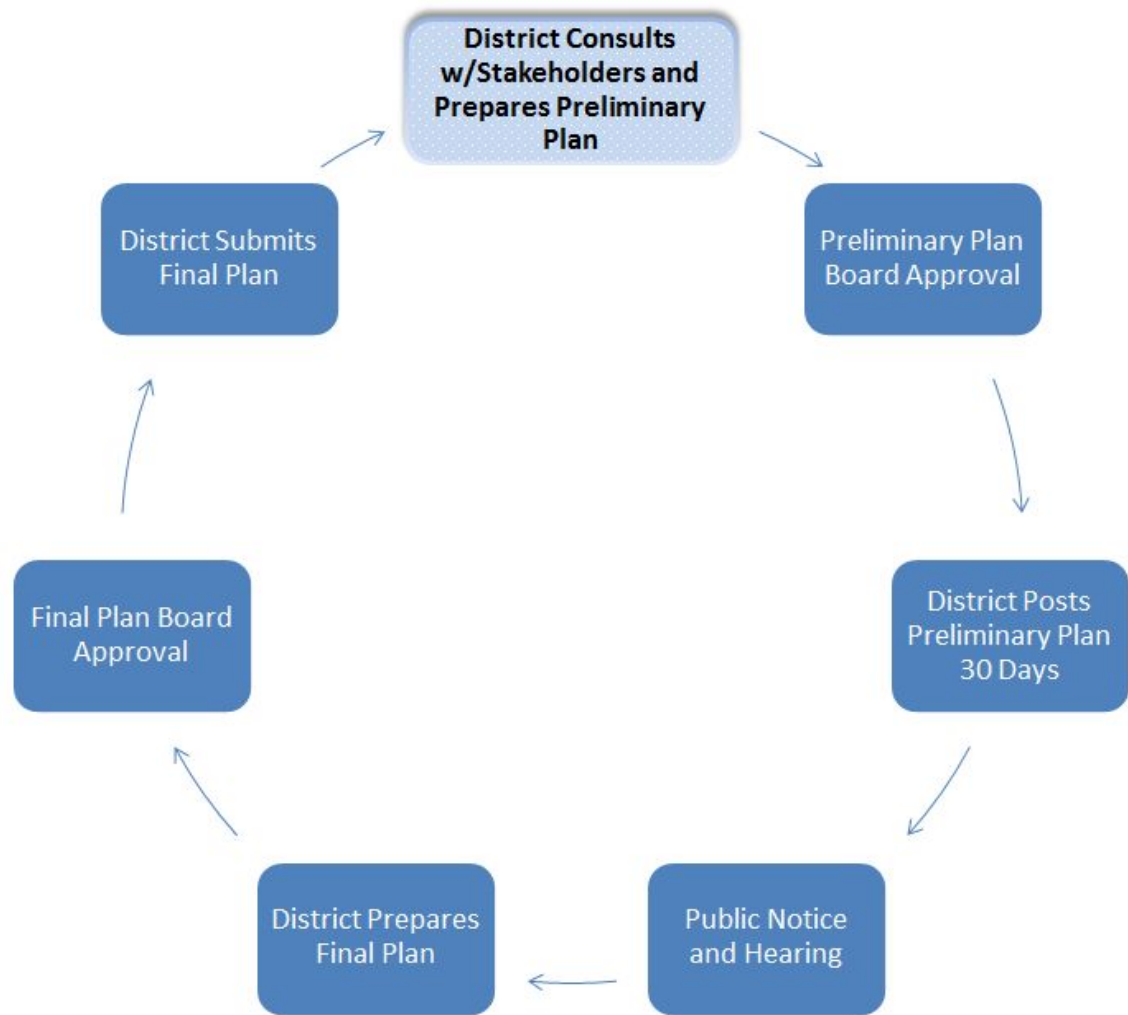
- ◇ School Connectivity
- ◇ Classroom Technology
- ◇ Pre-Kindergarten Classrooms
- ◇ High-Tech Security Features





Orchard Park Central Schools approved for \$ 2,333,018

- Phase 1 - HS Chromebooks Rollout
Total Cost: \$ 713,552
- Phase 2 - High Tech Security
Total Cost: \$ 770,353





Smart School Investment Plan (SSIP) Original Timeline – June 2018

- ✓ Submitted required technology survey
 - ◇ November 2018 received NYSED approval
- ✓ Developed a draft SSIP for High-Tech Security Features - June 2018
- ✓ Presented draft SSIP to BOE for discussion and approval - June 2018
- ✓ Advertised and held public hearing on the draft SSIP- June 2018
- ✓ Posted draft SSIP on the District website to provide the opportunity for community comment via the website & written correspondence - June 2018





Update to Phase II Timeline

- ✓ Letter of Intent (LOI) sent to the NYS Office of Facilities Planning-June 2018
- ✓ LOI Request was denied due to the extensive wiring requirements and scope of security camera expansion-July 2018
- ✓ Met with Gordon W. Jones Associates, Architects, P.C. and M/E Engineering to put together wiring project specs
- ✓ Present revised SSIP to BOE, update website with new plan for public comment, submit new LOI - January 2019



OPCSD Guiding Principle

Orchard Park Central School District is a place where:

A healthy, safe and orderly learning environment is provided.





Safety Survey Findings

- ✓ Additional camera coverage needed
 - ◇ Exterior areas and parking lots of all buildings
 - ◇ Stairwells
 - ◇ 2nd and 3rd floor of the high school
 - ◇ All corridors at the middle school
 - ◇ Playgrounds and athletic fields
- ✓ Need access control monitoring for all doors
- ✓ Need a way to notify visitors if a building is in lockdown
- ✓ Need a way to notify staff and students that are outside when a lockdown has been called





OPCSD Round 2 Proposal

High-Tech Security Features



- VoIP Speakers
- Security Camera
- Outdoor 'Horn' Speakers
- Strobe Lights
- Access Control Monitoring



VoIP Hallway Speakers – MS & HS



VoIP communication solution that supports notification through speakers and visual alerts for high ambient noise areas or large spaces.

- Hallway speaker additions to all three floors at the High School
- Hallway speaker additions to all three floors at the middle school



Additional Security Cameras



Eggert

- 9 interior cameras to cover entrances and corridors
- 7 exterior cameras including coverage for the playground, bus loop, parking lots and tennis courts

Ellicott

- 10 interior cameras to cover entrances and corridors
- 4 exterior cameras including coverage for the playground, bus loop, parking lots and tennis courts





Additional Security Cameras

South Davis

- 3 interior cameras to cover entrances and corridors
- 11 exterior cameras including coverage for the playground, bus loop, and parking lots

Windom

- 9 interior cameras to cover entrances, corridors and vestibule
- 5 exterior cameras including coverage for the playground, bus loop, and parking lots



Additional Security Cameras

High School

- 9 exterior cameras to cover athletic fields, tennis courts and pathways
- 33 interior cameras at to cover corridors, stairwells and locker areas

Middle School

- 25 interior cameras at to cover corridors, and stairwells
- 10 exterior cameras to cover bus loop, parking lots, entrances, driveway & tennis courts



Outdoor Horn Speakers & Strobe Lights



- 55 horn speakers to be placed around the perimeter of buildings to notify people outside of the building of a lockdown
- Strobe lights will be installed at all entrances that have card access





Access Control Monitoring



- Install hardware on all doors that will allow office staff and the security desk to monitor doors access 24 x 7





Phase II Funding Proposal

Total Cost Estimate - \$770,353

- ✓ VoIP Hallway speakers at the MS & HS - \$49,978
- ✓ Security Camera System expansion of 135 Cameras - \$261,367
- ✓ Exterior Horn Speakers and Main Entrance Strobes - \$40,889
- ✓ Access Control Monitoring for 125 entrances - \$62,044
- ✓ Cabling and termination cost for 417 network devices - \$166,800
- ✓ Network switches for additional drops - \$20,000
- ✓ Fiber to upgrade all wire closets to 10G - \$94,500
- ✓ Architectural and Engineering Fees 8.75% - \$60,863
- ✓ Administrative Cost Estimated at 2% - \$13,912





Questions?

