

# **Chippewa Valley Schools 2018 Bond Program Update**

**Board of Education  
September 12, 2022**



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# 2018 Bond Program – Construction Update

## Agenda

- Bond Overview
- Brief Recap of Phase 1 (2019 Projects)
- Brief Recap of Phase 2 (2020 Projects)
- Brief Recap of Phase 3 (2021 Projects)
- Detailed Review of Phase 4 (2022 Projects)
- Detailed Preview of Phase 5 (2023 Projects)
- Technology



# Overview

## 2018 Bond Program



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# 2018 Bond Program – Overview

## Overview

- Passed in November 2018
- 5 Year Program (2019-2023)
- \$98 Million
  - Construction \$54M
  - Technology \$35M
  - Furn./Equip. \$5M
  - Buses \$4M



# Phase 1

## 2019 Construction Projects

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# 2019 Construction Projects

## Phase 1 – High Priority Projects

- CVHS & DHS Secure Entry
- Iroquois Roof & Electrical Service Replacement
- Select Lighting Upgrades
- High School Temperature Control Panel Upgrades
- High School Tennis Courts Improvements

**\$3M Total Budget**



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# Phase 2

2020-2021 Construction Projects

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# 2020 Construction Projects

## Phase 2 – Priority Projects

- Safety & Security #1
  - Classroom Door Hardware Upgrade
  - Emergency Alert System
- Cheyenne Secure Entry (office relocation)
- Repaving Projects (Shawnee, Sequoyah, Dakota)
- Safety & Security #2
  - Door Hardware – large group spaces
  - Impact Resistant Interior Glass
- Cherokee Elementary Chiller Replacement
- Parking Lot Improvement Projects (Huron & Ojibwa)
- Playground Improvements (district wide)
- Card readers with lockdown features
- Added water bottle fill stations



**\$9M Total Budget**

**14 Trade Contractors**

**48 workers, on average,  
on site per day**



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# Phase 3

## 2021 Construction Projects

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# 2021 Construction Projects (Clinton Twp Schools)

## Elementary School Highlights

*Sites Impacted: Cherokee, Erie, Huron, Miami*

- Roofing, Paving, Flooring, Mechanical Work

## Middle and High School Highlights

*Sites Impacted: Algonquin, Iroquois, Seneca, Wyandot, Chippewa 9<sup>th</sup> grade, Chippewa High, Dakota High and Mohegan*

- Roofing
- Parking Lots
- Interior Flooring
- Athletic Fields
- Athletic Tracks
- MS Score Boards & HS Ball Fields
- Heating and Cooling

## District Operations

*Administration Campus*

- Parking Lots, Security Fencing, Mechanical work, Metal Wall Panels, Windows



**\$13M Total Budget**

**Completed Design - Oct 2020**

**Public Bid - Nov 2020**

**Contract Award - Dec 2020**

**Installation – Spring & Summer 2021**



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# Phase 4

## 2022 Construction Projects

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# 2022 Construction Projects (Macomb Twp Schools)

## Elementary School Highlights

*Locations: Cheyenne, Ojibwa, Fox, Mohawk*

- Paving, Mechanical Work, Masonry

## Middle School Highlights

*Locations: Iroquois & Seneca*

- Paving, Athletic Fields, Mechanical Work

## High School Highlights

*Locations: Dakota 9<sup>th</sup> Grade & Dakota High*

- Paving, Renovations, Mechanical, Athletic Fields, Auditorium

**\$8M Total Budget**

**Complete Design - Oct 2021**

**Public Bids - Nov 2021**

**Contract Award - Dec 2021**

**Installation – Spring & Summer 2022**



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# 2022 Projects – Cheyenne Elementary Highlights

## Cheyenne Highlights

- Masonry work at existing exterior pillars
- Upgrade mechanical systems
- Replace asphalt (North Lot)
- Asphalt paving work (South Lot)
- Replace select site concrete
- Replace fire alarm (complete)
- Electrical work for new mechanical



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# 2022 Projects – Ojibwa Elementary Highlights

## Ojibwa Highlights

- Acoustical ceiling work
- EFIS removal and replacement
- Upgrade mechanical systems
- Replace chiller
- Electrical work for new mechanical
- Computer lab/mechanical renovation



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# 2022 Projects – Mohawk Elementary Highlights

## Mohawk Highlights

- Remove and replace stage doors
- Install new lockers
- Masonry restoration
- Replace asphalt (East Lot)
- Replace select site concrete
- Upgrade mechanical systems
- Electrical work for new mechanical



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# 2022 Projects – Fox Elementary Highlights

## Fox Highlights

- Replace select exterior doors
- Replace asphalt paving (North Lots)
- Asphalt paving work (West Drive)
- Asphalt paving work (East Drive)
- Replace select site concrete
- Install new playground equipment piece
- Upgrade mechanical systems
- Electrical work for new mechanical
- Computer lab renovation





# 2022 Projects – Iroquois Middle School Highlights

## Iroquois Highlights

- Exterior masonry work
- Replace tennis court surface
- Replace select site concrete
- Upgrade mechanical systems
- Electrical work for new mechanical



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# 2022 Projects – Seneca Middle School Highlights

## Seneca Highlights

- Asphalt paving work
- Replace select site concrete
- Upgrade mechanical systems
- Electric work for new mechanical



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# 2022 Projects – Dakota 9<sup>th</sup> Grade Center Highlights

## Dakota 9<sup>th</sup> Grade Highlights

- Replace asphalt paving (South Drive)
- Replace select site concrete
- Upgrade mechanical systems
- Electrical work for new mechanical



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# 2022 Projects – Dakota High School Highlights

## Dakota High Highlights

- New masonry pillars at stadium entrance
- New concrete at stadium entrance
- New fencing at stadium entrance
- New roof on visitor entrance concession/restrooms
- Baseball/softball restoration
- New fencing
- New interior doors and hardware
- New band lockers
- Glass and glazing work
- Asphalt paving work
- Replace site concrete
- Upgrade mechanical systems
- Electrical work for new mechanical
- New audio visual and theatrical lighting
- Electrical for audio visual and theatrical lighting



# 2022 Projects – Chippewa Valley High School Highlights

## Chippewa Valley High Highlights

- New masonry pillars at new stadium entry
- New concrete at stadium entrance
- New fencing at stadium entrance
- New audio visual and theatrical lighting
- Electrical for theatrical work



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# Phase 5

## 2023 Construction Projects

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# 2023 Construction Projects – BP4B & BP5

## Elementary School Highlights

*Locations: Clinton Valley, Ottawa, Shawnee, Sequoyah, Fox, Mohawk, Cheyenne, Ojibwa*

- Roofing, Paving, Mechanical Work

## Middle School Highlights

*Locations: Wyandot & Iroquois*

- Paving, Mechanical Work

## Other Project Highlights

*Locations: Little Turtle, High Schools*

- Roofing, Paving, Mechanical Work
- High School Media Center Upgrades

**\$14M Total Budget**

**BP4B**

**Contract Awarded – July 2022**

**BP5**

**Complete Design – Oct 2022**

**Public Bids – Nov 2022**

**Contract Award – Dec 2022**

**Installation – Spring & Summer 2023**



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# 2023 Construction Projects – BP4B – Roofing Projects

## Fox Elementary School

- Replace original section of roof
- Replace roof over 1998 addition
- Replace roof over 2003 addition

## Mohawk Elementary Highlights

- Replace original section of roof
- Replace roof over 2003 addition

## Cheyenne Elementary School

- Replace original flat roof (2000)

## Ojibwa Elementary School

- Replace flat roof (2001)

\* Approx. 185,000 SF total

## Dakota High School

- Replace roof over 2002 addition



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# 2023 Construction Projects – BP5 – CVES & Ottawa

## Clinton Valley Elementary Highlights

- Replace asphalt paving
- Replace select concrete sidewalks
- Replace roofing
- Replace select exterior doors
- Replace select flooring – vinyl/carpet
- Replace toilet partitions
- Replace select interior doors
- Replace stage curtains
- Replace sinks in boy's restrooms
- Replace aging mechanical equipment
- Add cooling to technology rooms
- Upgrade temperature controls
- Upgrade gym sound system

## Ottawa Elementary Highlights

- Replace asphalt paving
- Replace select site concrete
- Replace select roofing
- Replace select exterior doors and frames
- Replace select interior doors
- Replace select carpet
- Replace gym divider wall
- Install partition in music room
- Add cooling to technology room
- Upgrade temperature controls



# 2023 Construction Projects – BP5 – Wyandot, Little Turtle, Shawnee, & Sequoyah

## Wyandot Middle School Highlights

- Replace asphalt paving
- Replace select site concrete
- Replace select interior doors
- Replace aging mechanical equipment
- Add cooling to technology room
- Upgrade temperature controls

## Sequoyah Elementary School Highlights

- Install motorized divider wall in gym
- Replace chiller
- Upgrade temperature controls
- Add cooling to technology closets
- Install lighting for site sign



## Little Turtle Highlights

- Replace select site concrete
- Replace flat section of roof
- Upgrade temperature controls

## Shawnee Elementary School Highlights

- Replace flat section of roof
- Replace select flooring
- Replace toilet partitions
- Replace aging mechanical equipment
- Add cooling to technology room
- Upgrade temperature controls
- Upgrade site sign



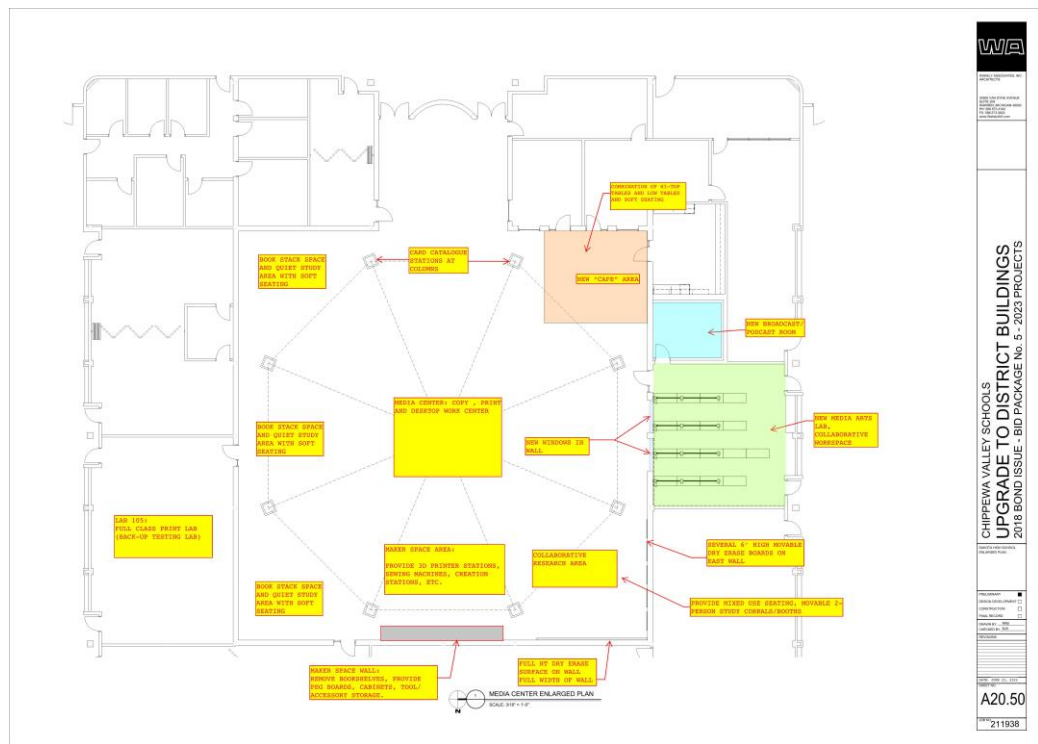
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# 2023 Construction Projects – Dakota High School

## Dakota High School Highlights

- update media center



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# Technology



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# Technology Bond Projects:

- To date **10 Technology Projects** have been completed under the 2018 Bond.
- Two projects are currently in progress and several final projects are in the planning stages.

# Technology Bond Projects:

**T01: Wireless and Network Infrastructure**

**T02: Security System**

**T03: Student Devices and Carts**

**T04: Data Center Equipment and Voice Upgrades**

**T05: 21<sup>st</sup> Century Classroom**

**T06: Network Refresh**

**T07: Firewall, Web Filtering and Email Security**

**T08: Computer Lab & Administrative Staff Devices**

**T09: VoIP**

**T10: Two (2) Public Address (PA) Systems (Barton Malow)**

**T11: Data Backup & Email Archiving Solution**



**2018 BOND PROGRAM - TECHNOLOGY**



# Classroom Technology:

## Computer Replacements

- procured 40 laptop carts for middle schools
- replaced 300 CAD machines in high school CTE labs
- replaced 900 teacher desktops
- replaced 1,250 computer lab devices
- procured laptop carts for elementary schools to facilitate 1:1 devices



# **Classroom Technology:**

## **Interactive Classroom Technology**

- **installed 900 SMART Board 6075S LED interactive flat panels**  
**including ten years of SMART Learning Suite & Remote Management**
- **acquired 900 SurfaceGo touch screen tablet devices for teachers**
- **replaced 700 teacher microphones**

# Administrators & Office Staff:

- replaced 890 administrator and office staff desktop computers
- replaced 200 administrator laptops
- replaced IP video phones in main offices district-wide

# Security:

- **installed new security cameras districtwide**  
**interior and exterior**  
**increased camera numbers**  
**new cameras with advanced analytics and search capabilities**
- **replaced video intercom call boxes for secure entry to all buildings**
- **Worked with Barton Malow to replace PA systems in two buildings:**  
**Cherokee & Clinton Valley Elementaries**

# Infrastructure Upgrades:

Behind the scenes work that allows the district to maintain reliable network access. It provided a smooth transition to 1:1 student computers.



**2018 BOND PROGRAM - TECHNOLOGY**



# Infrastructure Upgrades:

- replaced wireless access points districtwide
  - doubled the number of access points districtwide
- installed Hyperconverged Virtual Server Infrastructure in district data center
- replaced network switches in all buildings
- replaced Uninterruptable Power Supplies (UPSs) in all network closets
- replaced email archiving, web filtering, and district firewall
- replaced data backup and email archiving servers
- currently replacing Voice servers districtwide

# **In Addition:**

## **Technology bond funds have been utilized to:**

- acquire iPads and headsets for Special Services instruction**
- update Audio Visual equipment for Community Relations Department**
- purchase new printers districtwide**
- supply equipment to CTE classrooms (iPads, plotters, 3D printers, ...)**
- purchase student laptops in response to pandemic 1:1 learning**

**Thank You.  
Questions?**



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