



WARREN
CONSOLIDATED
SCHOOLS



2016 BOND PROJECT UPDATE

May 2017

plante moran CRESA
REAL ESTATE CONSULTANTS


Agenda

- Overview of Bond
- 2017 Work
- Next Steps



Overview of Bond

2016 SCHOOL BOND PROPOSAL



**Warren
Consolidated
Schools**



Creating Dynamic Futures

Proposal to preserve our schools and remain comparable and competitive as one of Michigan's leading school districts

- Provides Essentials for a 21st Century Learning Environment
- Addresses Safety & Security, Technology, and Facilities
- Costs Approximately \$1 per Week for Most Homeowners

VOTE: Tuesday, May 3, 2016

Why Now?

- Interest rates remain at historic lows, allowing \$134.5 million to be invested in our schools for about \$1 a week per home
- Staying ahead of technology is essential for today's learning environment
- To maximize our operating budget for in-classroom learning
- To best preserve our community's investment in millions of square feet of space across 27 facilities that, on average, are 40+ years old



Overview of Bond

\$134.5 Million Bond Program Features:

Technology \$25.3 Million	<ul style="list-style-type: none">• Upgraded technology and infrastructure to support 21st century learning• Enhanced technology in each classroom• Mobile learning devices for students• Replacement of obsolete computers• Updated and expanded wireless network
District-Wide Facility, Safety, and Security Improvements \$75.1 Million	<ul style="list-style-type: none">• Secure entry vestibules• Security card reader systems for doors• Security cameras• Roofing and flooring replacements• Upgraded fire alarm panels• Replacement of interior and exterior doors• Improvements/upgrades to HVAC, plumbing, and lighting/electrical systems• Renovations/improvements to restrooms, locker rooms, and cafeterias• Energy enhancements• LED exterior light upgrades
Sites, Fields, and Playground Improvements \$21.2 Million	<ul style="list-style-type: none">• Re-pavement of deteriorating parking lots and sidewalks• Replacement of worn fences• Upgrades to athletic fields, courts, tracks, etc.• Upgrades to playground areas
Bus, Furniture, and Equipment Replacement \$12.9 Million	<ul style="list-style-type: none">• Replacement of worn, unusable classroom furniture• Replacement of school buses past useful life• Necessary band, athletic, and recess equipment

Benefits of the Bond:

- Creates modern learning environments so all kids can benefit
- Provides school safety and security enhancements
- Reduces utility costs through environmentally smart upgrades
- Maintains strong schools, which is an investment in the community and home values

Bond Considerations:

- Work to be performed from 2016-2021
- Bond sold in two series 2016, 2019
- All educational facilities to see initial improvements in 2017 with incremental upgrades over remaining term
- Each educational building will receive annual technology upgrades during term



Overview of Bond

Bond Team

Owner's Representative:

Plante Moran Cresa

Architect/Engineer:

Wakely Associates

Construction Manager:

George W. Auch

Technology Designer:

Integrated Design Solutions

Athletic Field Architect:

Foresite Design

Roofing Consultant:

TBD

Engineering:

Spalding DeDecker, Testing Engineers and Consultants, and Kem-tec

Commissioning Agent:

TBD



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2017 Work | All Buildings

- Angus Elementary
- Black Elementary
- Harwood Elementary
- Hatherly Elementary
- Holden Elementary
- Jefferson Elementary
- Susick Elementary
- Willow Woods Elementary
- Cromie Elementary
- Green Acres Elementary
- Lean Elementary
- Siersma Elementary
- Wilde Elementary
- Wilkerson Elementary
- Beer Middle
- Carleton Middle
- Carter Middle
- Grissom Middle
- Cousino High
- Mott High
- Sterling Heights High
- Flynn Community Educational Center
- Butcher Educational Center
- Career Prep Center
- Administration Building



2017 Work | Elementary Schools

Item	Description of Work to Be Done
Playgrounds	Underdrainage replacement, Wood fiber replacement, and equipment replacement & accessories
Ballfields	Fencing Replacement and Repairs, Bench replacement, and Infield mix replacement
Parking Lots	Repavement, additions, extensions, seal coats, repairs, collars, restriping, and sidewalk repairs
School Signs	Installations and replacements
Stage Curtain	Replacement of stage curtains and rigging
Boiler	Boiler equipment replacement
Exterior Lighting	Replacement of parking lot lights to LED, and replacement of exterior building lighting
Security	Replacement of secure entry equipment at selected areas and replacement/new security cameras
Network	IT cabling, wireless system upgrades, network switch gear, and universal power system (UPS) installation
Phone	VOIP Phone System Installation with Unified Messaging

*Some buildings vary slightly



2017 Work | Elementary School Upgrades



New LED signage
being installed



Students enjoying new
technology at Green
Acres Elementary
School



2017 Work | Middle Schools & Other Buildings

Item	Description of Work to Be Done
School Sign	Replacement of school sign with new LED digital sign
Kitchen	Add new ovens in Middle Schools with the exception of Carter Middle School
Security	Replacement of secure entry equipment at selected areas and replacement/new security cameras
Network	IT cabling, wireless system upgrades, network switch gear, and universal power system (UPS) installation
Phone	VOIP phone system installation with unified messaging

*Some buildings vary slightly



2017 Work | Cousino High School

Item	Description of Work to Be Done
Athletic Fields	Installation of new tennis courts, running track, turf field, and stadium sound
Parking Lot	Repave rear drive lanes and parking lots on south and west sides of school, isolated structure repairs, concrete collars, sidewalk repairs, and restriping, etc. around the site (additional work completed in 2018)
Doors & Floors	Replacement of selective doors, frames, hardware, and selective floors
Kitchen	Kitchen upgrades, add new dish machine, and add new floor tile in serving line
Boiler	Boiler equipment replacement
Exterior Lighting	Replacement of parking lot lights to LED and replacement of building wall
Pool	Filter room upgrades
Flooring	New Media Center carpet
Selective Demolition	Demolition of old portable classrooms
Security	Replacement of secure entry equipment at selected areas and replacement/new security cameras including at stadium
Network	IT cabling, wireless system upgrades, network switch gear, universal power system (UPS) installation, and stadium wireless
Phone	VOIP phone system installation with unified messaging
Computers and Laptops	New desktop/laptop computers



2017 Work | Mott High School

Item	Description of Work to Be Done
Athletic Fields	Installation of new tennis courts, running track, turf field, and stadium sound
Parking Lot	Repave rear drive lanes and parking lots on south and west sides of school, isolated structure repairs, concrete collars, sidewalk repairs, and restriping, etc. around the site (additional work completed in 2018)
Doors & Floors	Replacement of selective doors, frames, hardware, and selective floors
Kitchen	Kitchen upgrades, add new dish machine, and add new floor tile in serving line
Exterior Lighting	Replacement of parking lot lights to LED and replacement of building wall
Pool	Filter room upgrades and pool grouting
Security	Replacement of secure entry equipment at selected areas and replacement/new security cameras including at stadium
Network	IT cabling, wireless system upgrades, network switch gear, universal power system (UPS) installation, and stadium wireless
Phone	VOIP phone system installation with unified messaging



2017 Work | Sterling Heights High School

Item	Description of Work to Be Done
Athletic Fields	Installation of new tennis courts, running track, turf field, and stadium sound
Performing Arts	Installation of new state curtains, renovation of lighting system, and renovation of audio visual systems
Doors & Floors	Replacement of selective doors, frames, hardware, and selective floors
Kitchen	Kitchen upgrades, and add new floor tile in serving line
Exterior Lighting	Replacement of parking lot lights to LED, and replacement of building wall
Pool	Filter room upgrades, and pool grouting
Security	Replacement of secure entry equipment at selected areas and replacement/new security cameras including at stadium
Network	IT cabling, wireless system upgrades, network switch gear, universal power system (UPS) installation, and stadium wireless
Phone	VOIP phone system installation with unified messaging



2017 Work | Athletic Fields

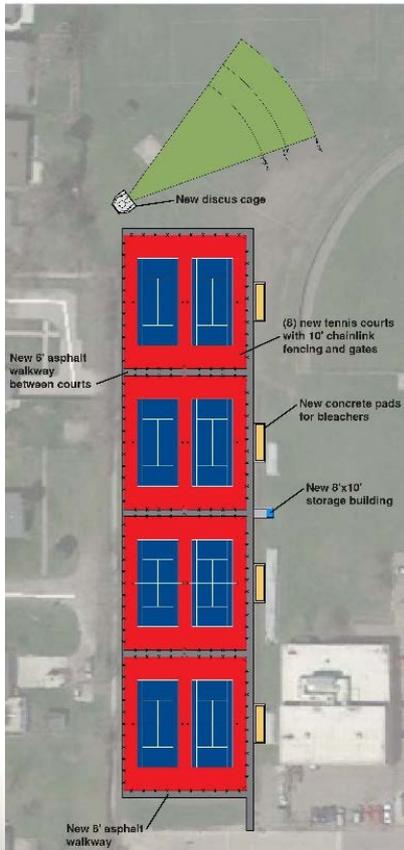


2017 Work | Athletic Fields

Cousino High School Athletic Field



2017 Work | Tennis Courts



2017 Work | Tennis Courts

Mott High School Tennis Courts



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Next Steps

- Planning for Summer 2018 Projects:
 - Sterling Heights High School
 - All Middle Schools
 - Angus, Harwood, and Willow Woods, Holden, Jefferson, Wilkerson, and Hatherly Elementary Schools
 - Flynn Community Educational Center and Service Center
- Continue upgrading computers/networking, equipment purchases, buses, etc.
- Next Board update Fall 2017 with review of work performed to date, budget vs. actual report, and a detailed update of anticipated 2018 activity
- Please visit wcskids.net
- Questions?

