



**WARREN
CONSOLIDATED
SCHOOLS**



2016 BOND PROJECT UPDATE

May 2018

plante moran CRESA
REAL ESTATE CONSULTANTS



Agenda

Overview of the Bond 2018 Work





Agenda

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2018 Work



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/week/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 setting
- 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 will 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

Strategic Energy Solutions

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

Environmental Consultant:

Nova Environmental





Agenda

Overview of the Bond

2018 Work



2018 Work | Overview



The planned work includes input from the Facility and Technology Committees - Sharing the Vision

- Angus Elementary School
- Harwood Elementary School
- Hatherly Elementary School
- Holden Elementary School
- Jefferson Elementary School
- Willow Woods Elementary School
- Wilkerson Elementary School
- Beer Middle School
- Carleton Middle School
- Carter Middle School
- Grissom Middle School
- Cousino High School
- Warren Mott High School
- Sterling Heights High School
- Educational Service Center

2018 Work | Elementary Schools



Item	Description of Work to Be Performed
Building Exterior	<ul style="list-style-type: none">• Replace service doors and hardware• Upgrade exterior door hardware• Repair masonry• Add ladder between differing roof heights
Building Interior	<ul style="list-style-type: none">• Replace doors and hardware and re-key all doors• Replace sinks, toilets, urinals, flooring, and faucets in the restrooms• Update building signage• Replace flooring in the Media Center, Office, and stage
Classrooms	<ul style="list-style-type: none">• Replace classroom casework• Upgrade window treatments• Replace classroom flooring with LVT• Replace existing operable partitions with drywall partitions
Plumbing	<ul style="list-style-type: none">• Replace drinking fountains, and add water bottle filling station• Replace classroom sinks
Electrical Systems	<ul style="list-style-type: none">• Install power outlets and raceways for technology• Upgrade existing fire alarm system operating software• Upgrade lighting, interior emergency egress, and exit lighting
Technology	<ul style="list-style-type: none">• Upgrade classroom instructional technology• Replace computers• Upgrade A/V systems

***Some buildings vary slightly**

2018 Work | Middle Schools



Item	Description of Work to Be Performed
Site Work	<ul style="list-style-type: none"> • Modify parking to improve traffic flow • Replace concrete approaches, sidewalks, steps, and stoops • Replace fencing/bollards • Improve site drainage • Upgrade parking lot lighting
Building Exterior	<ul style="list-style-type: none"> • Replace service doors and hardware • Upgrade exterior door hardware • Replace overhead doors
Building Interior	<ul style="list-style-type: none"> • Replace select doors and hardware, and re-key all doors • Replace sinks, toilets, urinals, flooring, faucets, & toilet partitions in restrooms • Update building signage • Replace flooring in Media Center, Office and Band rooms • Renovate home economics room and shop area • Replace Art room casework • Upgrade window treatments • Refinish Gym floor • Replace stage curtains
Plumbing & HVAC	<ul style="list-style-type: none"> • Replace drinking fountains, and add water bottle filling station • Replace boiler, pipes, and valves • Upgrade temperature controls system
Electrical Systems	<ul style="list-style-type: none"> • Install power outlets and raceways for technology • Upgrade existing fire alarm system operating software • Upgrade lighting, emergency egress, exit lighting, and occupancy sensors
Technology	<ul style="list-style-type: none"> • Upgrade classroom instructional technology • Replace computers • Upgrade A/V systems

*Some buildings vary slightly

2018 Work | Cousino High School



Item	Description of Work to Be Performed
Site Work	<ul style="list-style-type: none">• Replace parking lot asphalt in selected areas• Modify south parking lot to improve bus drop off• Replace concrete approach• Crack fill and seal coat existing parking lots
Building Interior	<ul style="list-style-type: none">• Refinish main gym floor
Technology	<ul style="list-style-type: none">• Upgrade classroom instructional technology• Replace computers• Upgrade A/V systems



2018 Work | Warren Mott High School



Item	Description of Work to Be Performed
Site Work	<ul style="list-style-type: none">• Upgrade athletic field entrance and old tennis court• Install new walkway at west side
Building Interior	<ul style="list-style-type: none">• Refinish Gym floor• Build new Concession stand
Electrical Systems	<ul style="list-style-type: none">• Upgrade exterior lighting in select areas
Technology	<ul style="list-style-type: none">• Upgrade classroom instructional technology• Replace computers• Upgrade A/V systems



2018 Work | Sterling Heights High School



Item	Description of Work to Be Performed
Site Work	<ul style="list-style-type: none">• Replace parking lot drives• Modify parking to improve traffic flow• Replace concrete approach, sidewalks, steps, and stoops• Install concrete collars around catch basins• Improve site drainage
Building Exterior	<ul style="list-style-type: none">• Replace service doors and hardware• Upgrade exterior door hardware and re-key• Replace overhead doors
Building Interior	<ul style="list-style-type: none">• Replace select doors and hardware• Replace flooring in Media Center• Refinish Gym floor
Plumbing & HVAC Systems	<ul style="list-style-type: none">• Upgrade pool filtration system• Replace boiler, pipes, and valves• Upgrade temperature controls
Electrical Systems	<ul style="list-style-type: none">• Upgrade electrical panels (boiler room/elevator)• Install power outlets and raceways for technology• Upgrade lighting, interior emergency egress and exit lighting• Upgrade existing fire alarm system operating software
Technology	<ul style="list-style-type: none">• Upgrade classroom instructional technology• Replace computers• Upgrade A/V systems



2018 Work | Educational Service Center



Item	Description of Work to Be Performed
Site Work	<ul style="list-style-type: none">• Replace east, north, and south parking lots• Replace service drive out to Mound Road• Replace concrete approach, sidewalks, steps, and stoops• Install concrete collars around catch basins• Replace concrete pad for dumpster• Improve site drainage and storm sewer system• Replace fence and bollards• Upgrade parking lot lighting• Replace fuel island• Install canopy for fuel island• New front entrance gate
Technology	<ul style="list-style-type: none">• Replace computers• Install additional security cameras



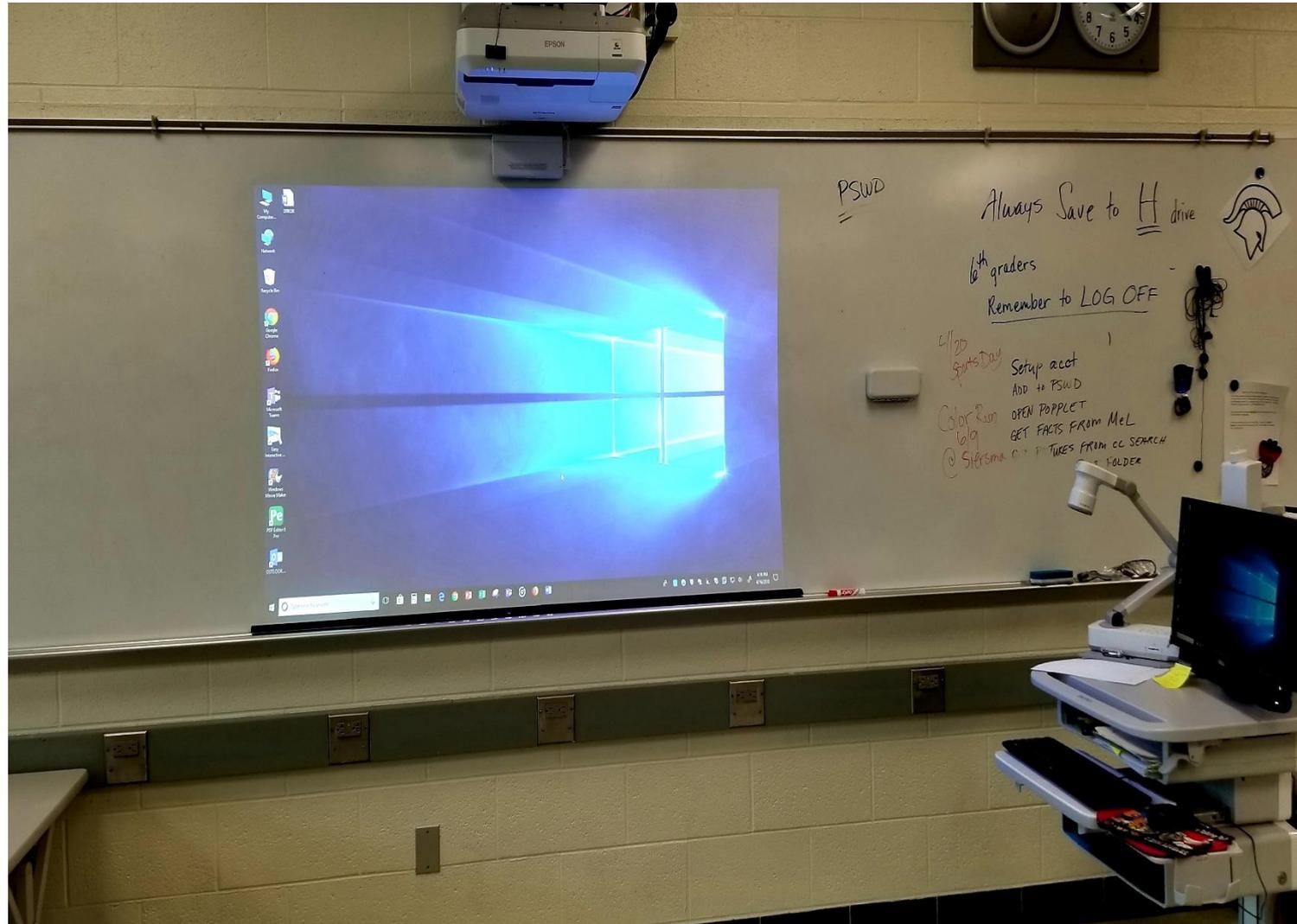
2018 Work | Overall District Technology



Item	Description of Work to Be Performed
Security	<ul style="list-style-type: none">• Added secure entry equipment at selected areas and replacement/new security cameras.
Classroom A/V Systems	<ul style="list-style-type: none">• New A/V Instructional Technology in every classroom integrated with new collaborative tools, and new sound reinforcement systems.
Large Format A/V Systems	<ul style="list-style-type: none">• Projector replacements, screen replacements, sound system upgrades. Areas include: Gymnasiums, cafeterias, pools, etc.



2018 Work | Overall District Technology



2018 Work | Bond Budget



Construction

Site Work – Bid Package #6	\$ 4,109,440
Renovations – Bid Package #5	\$21,430,082
<u>Education Service Center – Bid Package #7</u>	<u>\$ 2,756,504</u>
Subtotal	\$28,296,026

Information/Technology

Classroom A/V Systems & Security	\$ 8,500,000
<u>Marker Board Replacements – Estimated</u>	<u>\$ 500,000</u>
Subtotal	\$ 9,000,000

Total 2018 Budget

\$37,296,026

2018 Work | Schedule



2018 Site Work

Construction

June – August

2018 Renovation Work

Construction

June – August

1st - Second Shift Construction

April – June

2nd - Second Shift Construction

September - January 2019

Technology

April – January 2019



Next Steps



- Planning for Summer 2019 Projects:
 - Black, Cromie, Green Acres, Lean, Siersma and Susick Elementary Schools
 - Education Service Center - Renovations
- Continue upgrading computers/networking, equipment purchases, buses, etc.
- Next Board update Fall 2018 with review of work performed to date, budget vs. actual report, and a detailed update of anticipated 2019 activity
- Please visit wskids.net for more information
- **Questions?**

