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2016 Bond Project Close

August 17, 2022





2016 Bond Overview



Background

In 2016, voters approved a \$134.5M School Bond to address capital needs across the 27 buildings within the District. Bond work was completed over the course of 5 years from 2017-2021.

\$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



Elementary Schools – 2016 Bond Highlights



2016 Bond Funds were utilized for updates and improvements to 13 elementary schools across the District. A breakdown of the buildings where the majority of the work was completed by year can be found in the table below.

2017	2018	2019	2020
✓ All Elementary Schools	✓ Angus ✓ Harwood ✓ Holden ✓ Jefferson ✓ Willow Woods ✓ Wilkerson	✓ Black ✓ Cromie ✓ Siersma ✓ Susick	✓ Green Acres ✓ Lean ✓ Wilde



Elementary Schools Work Performed



Item	Description of Work Performed
Building Exterior	<ul style="list-style-type: none">• New marquee sign• Replace service doors and hardware• Upgrade exterior door hardware• Repair masonry• Asphalt and concrete repairs and replacement work where needed• Playground upgrades
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• Replace flooring in the media center, office, and stage• Replace existing operable partitions with drywall partitions
Classrooms	<ul style="list-style-type: none">• Replace classroom casework• Upgrade window treatments• Replace classroom flooring with luxury vinyl tile• New markerboards coordinated with technology
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



Middle Schools – 2016 Bond Highlights



2016 Bond Funds were utilized for updates and improvements to four Middle Schools across the District. A breakdown of the buildings where the majority of the work was completed by year can be found in the table below.

2017	2018	2019
<ul style="list-style-type: none">✓ All Middle Schools✓ Marquee signs	<ul style="list-style-type: none">✓ Beer✓ Carleton✓ Carter✓ Grissom	<ul style="list-style-type: none">✓ Technology upgrades



Middle Schools Work Performed



Item	Description of Work Performed	
Site Work	<ul style="list-style-type: none"> • Modify parking to improve traffic flow • Replace concrete approaches, sidewalks, steps, and stoops • Improve site drainage 	<ul style="list-style-type: none"> • Install concrete collars around catch basins • Upgrade parking lot lighting
Building Exterior	<ul style="list-style-type: none"> • Replace service doors and hardware • Upgrade exterior door hardware 	<ul style="list-style-type: none"> • Replace overhead doors • Roofing upgrades where needed
Building Interior	<ul style="list-style-type: none"> • Replace select doors and hardware and re-key all doors • Replace sinks, toilets, urinals, flooring, faucets, and toilet partitions in restrooms • Update building signage • Replace flooring in media center, office, band and computer rooms 	<ul style="list-style-type: none"> • Renovate home economics room and shop area • Replace art room casework • Upgrade window treatments • Refinish gym floor • Replace stage curtains • New markerboard
Plumbing & HVAC	<ul style="list-style-type: none"> • Replace drinking fountains and add water bottle filling station 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Upgrade lighting, emergency egress, exit lighting and occupancy sensors
Technology	<ul style="list-style-type: none"> • Upgrade classroom instructional technology • Replace computers 	<ul style="list-style-type: none"> • Upgrade A/V systems • Public address system upgrades



Cousino High School – Bond Highlights



Cousino High School underwent improvements and upgrades throughout the Bond Program. A breakdown of the work completed by year can be found in the table below.

2017	2018	2019	2020
<ul style="list-style-type: none"> ✓ Football field turf ✓ Replace track ✓ Replace tennis courts ✓ Parking lot work ✓ Doors and floors ✓ Kitchen ✓ Boiler ✓ Exterior lighting ✓ Pool filter upgrade ✓ Flooring ✓ Security upgrades ✓ Technology network upgrade ✓ VOIP phone system ✓ Computers and laptops 	<ul style="list-style-type: none"> ✓ Replace concrete approaches and sidewalks ✓ Replace asphalt in north parking area ✓ Modify parking to improve traffic flow ✓ Upgrade parking lot lighting ✓ Refinish gym floor ✓ Upgrade A/V systems ✓ Upgrade classroom instructional technology ✓ Replace drinking fountains and add water bottle filling station 	<ul style="list-style-type: none"> ✓ Exterior masonry upgrades ✓ Casework and flooring in art rooms ✓ Replace sinks, toilets, urinals, flooring and faucets in the restrooms ✓ Stage curtain ✓ Window treatments ✓ Replace select doors and hardware ✓ Plumbing and HVAC Systems ✓ Pool boiler and hot water heater ✓ Electrical systems ✓ Football stadium LED lighting 	<ul style="list-style-type: none"> ✓ Radio station upgrades ✓ Ball field upgrades



Warren Mott High School – Bond Highlights



Warren Mott High School underwent improvements and upgrades throughout the Bond Program. A breakdown of the work completed by year can be found in the table below.

2017	2018	2019	2020
<ul style="list-style-type: none"> ✓ Football field turf ✓ Replace track ✓ Replace tennis courts ✓ Improve traffic flow ✓ Replace concrete approaches and sidewalks ✓ Doors and floors ✓ Kitchen ✓ Exterior lighting ✓ Pool ✓ Security ✓ Network ✓ Phone 	<ul style="list-style-type: none"> ✓ Upgrade athletic field entrance ✓ Upgrade parking lot lighting ✓ Refinish gym floor ✓ Upgrade fire alarm system ✓ Electrical systems for technology ✓ Upgrade A/V systems ✓ Upgrade classroom instructional technology ✓ Interior concession stand ✓ Replace drinking fountains and add water bottle filling station 	<ul style="list-style-type: none"> ✓ Exterior masonry upgrades ✓ Casework and flooring in art rooms ✓ Replace sinks, toilets, urinals, flooring and faucets in the restrooms ✓ Window treatments ✓ Replace select doors and hardware ✓ Plumbing and HVAC Systems ✓ Pool boiler and hot water heater ✓ Electrical systems ✓ Football stadium LED lighting 	<ul style="list-style-type: none"> ✓ Ball field upgrades



Sterling Heights High School – Bond Highlights



Sterling Heights High School underwent improvements and upgrades throughout the Bond Program. A breakdown of the work completed by year can be found in the table below.

2017	2018	2019	2020	2021
<ul style="list-style-type: none"> ✓ Football field turf ✓ Replace track ✓ Replace tennis courts ✓ Performing Arts Center ✓ Doors and floors ✓ Exterior lighting ✓ Security ✓ Network ✓ Phone 	<ul style="list-style-type: none"> ✓ Improve traffic flow ✓ Replace concrete approaches and sidewalks ✓ Improve drainage ✓ Exterior doors and hardware ✓ Replace select doors and hardware ✓ Refinish gym floor ✓ Replace media center flooring ✓ Replace boilers ✓ Upgrade A/V systems ✓ Upgrade classroom instructional technology 	<ul style="list-style-type: none"> ✓ Football stadium LED lighting ✓ Replace drinking fountains and add water bottle filling station 	<ul style="list-style-type: none"> ✓ Exterior masonry upgrades ✓ Casework and flooring in art rooms ✓ Replace sinks, toilets, urinals, flooring and faucets in the restrooms ✓ Window treatments ✓ Replace select doors and hardware ✓ Plumbing and HVAC System upgrades ✓ HVAC temperature control ✓ Electrical systems upgrades ✓ Ball field upgrades 	<ul style="list-style-type: none"> ✓ Front entry landscaping



Support Buildings – Bond Highlights



2016 Bond Funds were utilized for updates and improvements to five other facilities across the District. A breakdown of the buildings where the majority of the work was completed by year can be found in the table below.

2018	2019	2020	2021
<p>Education Service Center</p> <ul style="list-style-type: none"> • Complete removal and replacement of asphalt paving • Concrete approach and sidewalks • Canopy for fuel station • New parking lot lighting • Technology upgrades 	<ul style="list-style-type: none"> • Building exterior • Building interior • Plumbing and HVAC • Electrical systems • Kitchen equipment upgrades 	<p>Butcher Center</p> <ul style="list-style-type: none"> • Site work • Building exterior • Roofing • Building interior • Kitchen equipment upgrades • Plumbing and HVAC Systems • Electrical systems • Technology upgrades 	<p>Administration Building</p> <ul style="list-style-type: none"> • Complete renovation of the Administration Building • Regrade for better drainage • Remove/replace all asphalt paving and stripping • Remove/replace concrete approach • New window systems • Print Shop move – to ESC • Technology network infrastructure upgrades
<p>Adult Education Center</p> <ul style="list-style-type: none"> • Hatherly was converted to the Adult Education Center • Site work • Building exterior • Reconfigure the interior for Adult Education • Convert two rooms to science classrooms • Plumbing and HVAC systems • Electrical systems • Technology upgrades 	<p>CPC</p> <ul style="list-style-type: none"> • Site work • Building exterior • Roofing • Building interior • Plumbing and HVAC Systems • Electrical systems • Technology 	<p>Pfromm Center</p> <ul style="list-style-type: none"> • Demolition of building 	



Financial Summary



The 2016 Bond ended up roughly \$3.4M over budget, which was paid for out of the District's Capital Projects Fund as shown below.

Total Sources Available (including bond issuance, interest, rebates)	\$138,786,835
Spent - through July 31, 2022	\$140,396,400
Estimated Cost to Complete	\$1,766,535
Estimated Total Cost of Bond Work	\$142,162,935
Capital Projects Fund	\$3,376,100



On Behalf of Plante Moran Cresa



Thank you for a successful 2016 Bond!



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Questions and Discussions