



plante moran | cresa

# 2016 Bond Project Update

January 15, 2020





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## Overview of the Bond

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- 2017 Work Completed
- 2018 Work Completed
- 2019 Work Completed
- 2020 Projected Work
- 2021 Projected Work

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## Financial Summary

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## Questions and Further Discussion

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## Why Now?

- Interest rates remain at historic lows, allowing \$134.5 million to be invested in our schools for about \$1/week/home
- To stay 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

### 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



## 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
- Bonds sold in three series: 2016, 2018, & 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

### \$134.5 Million Bond Program Features:

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



# Overview of Bond | Bond Team



Owner's Representative	Plante Moran Cresa
Architect/Engineer	Wakely Associates, Strategic Energy Solutions
Construction Manager	Clark Construction
Technology Designer	Integrated Design Solutions
Engineering	Spalding DeDecker, Testing Engineers and Consultants, Kem-Tec
Environmental Consultant	Nova Environmental



## Elementary Schools

- Angus Elementary
- Black Elementary
- Cromie Elementary
- Green Acres Elementary
- Harwood Elementary
- Holden Elementary
- Jefferson Elementary
- Lean Elementary
- Siersma Elementary
- Susick Elementary
- Wilde Elementary
- Wilkerson Elementary
- Willow Woods Elementary

## Middle Schools

- Beer Middle
- Carleton Middle
- Carter Middle
- Grissom Middle

## High Schools

- Cousino High
- Warren Mott High
- Sterling Heights High

## Other Buildings

- Administration Building
- Butcher Educational Center
- Career Prep Center
- Educational Service Center
- Flynn Education Center
- Hatherly Educational Center



# 2017 Work | Elementary Schools



Item	Description of Work Performed
Playgrounds	Replacement of underdrainage, wood fiber, and equipment and accessories
Ballfields	Replacement and upgrade of fencing, benches, and infield mix
Parking Lots	Repavement, additions, extensions, crack fill, seal coats, collars, restriping, and sidewalk replacement
School Signs	Installations and replacements
Stage Curtain	Replacement of stage curtains and rigging
Boiler	Replacement of boiler equipment
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 or installation of new security cameras
Network	Installation of IT cabling, wireless system upgrades, network switch gear, and universal power systems (UPS)
Phone	Installation of Voice Over Internet Protocol (VOIP) phone system with unified messaging



# 2017 Work | Middle Schools & Other Buildings



Item	Description of Work Performed
School Sign	Replacement of school sign with new LED digital sign
Kitchen	Addition of new ovens
Security	Installation of secure entry equipment at selected areas, and replacement or installation of new security cameras
Network	Installation of IT cabling, wireless system upgrades, network switch gear, and universal power system (UPS)
Phone	Installation of Voice Over Internet Protocol (VOIP) phone system with unified messaging



# 2017 Work | Cousino High School



Item	Description of Work Performed
<b>Athletic Fields</b>	Installation of new tennis courts, running track, turf field, and stadium sound system
<b>Parking Lot</b>	Repaving of rear drive lanes and parking lots on south and west sides of school, as well as isolated structure repairs, concrete collars, sidewalk repairs, restriping, etc., around the site (additional work to be completed in 2018)
<b>Doors &amp; Floors</b>	Replacement of selective doors, frames, hardware, and selective floors
<b>Kitchen</b>	Upgrades to the kitchen, including a new dishwasher and floor tile in the serving line
<b>Boiler</b>	Replacement of boiler equipment
<b>Exterior Lighting</b>	Replacement of parking lot lights to LED, and replacement of building wall lights
<b>Pool</b>	Upgrades to filter room and pool grouting
<b>Flooring</b>	Replacement of media center and band room flooring
<b>Selective Demolition</b>	Demolition of old portable classrooms
<b>Security</b>	Replacement and installation of new security cameras, including those at the stadium
<b>Network</b>	Installation of IT cabling, wireless system upgrades, network switch gear, universal power system (UPS), and stadium wireless
<b>Phone</b>	Installation of Voice Over Internet Protocol (VOIP) phone system with unified messaging
<b>Computers &amp; Laptops</b>	Purchasing of new desktop and laptop computers



# 2017 Work | Warren Mott High School



Item	Description of Work Performed
<b>Athletic Fields</b>	Installation of new tennis courts, running track, turf field, and stadium sound system
<b>Parking Lot</b>	Repaving of rear drive lanes and parking lots on south and west sides of the school, isolated structure repairs, concrete collars, sidewalk repairs, restriping, etc., around the site (additional work completed in 2018)
<b>Doors &amp; Floors</b>	Replacement of selective doors, frames, hardware, and selective floors
<b>Kitchen</b>	Upgrades to kitchen, including a new dishwasher and floor tile in the serving line
<b>Exterior Lighting</b>	Replacement of parking lot lights to LED, and replacement of building wall lights
<b>Pool</b>	Upgrades to filter room and pool grouting
<b>Security</b>	Replacement and installation of new security cameras, including those at the stadium
<b>Network</b>	Installation of IT cabling, wireless system upgrades, network switch gear, universal power system (UPS), and stadium wireless
<b>Phone</b>	Installation of Voice Over Internet Protocol (VOIP) phone system with unified messaging



# 2017 Work | Sterling Heights High School



Item	Description of Work Performed
<b>Athletic Fields</b>	Installation of new tennis courts, running track, turf field, and stadium sound system
<b>Performing Arts Center</b>	Installation of new stage curtains, renovation of lighting system, and renovation of audio visual systems
<b>Doors &amp; Floors</b>	Replacement of selective doors, frames, hardware, and floors
<b>Exterior Lighting</b>	Replacement of parking lot lights to LED, and replacement of building wall lights
<b>Security</b>	Replacement or installation of new security cameras, including those at the stadium
<b>Network</b>	Installation of IT cabling, wireless system upgrades, network switch gear, universal power system (UPS), and stadium wireless
<b>Phone</b>	Installation of Voice Over Internet Protocol (VOIP) phone system with unified messaging



## Elementary Schools

- Angus Elementary
- Harwood Elementary
- Holden Elementary
- Jefferson Elementary
- Willow Woods Elementary
- Wilkerson Elementary

## Middle Schools

- Beer Middle
- Carleton Middle
- Carter Middle
- Grissom Middle

## High Schools

- Cousino High
- Warren Mott High
- Sterling Heights High

## Other Buildings

- Educational Service Center
- Hatherly Educational Center



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



# 2018 Work | Middle Schools



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



Item	Description of Work Performed
<b>Site Work</b>	<ul style="list-style-type: none"><li>• Replace asphalt in north parking lot</li><li>• Replace visitor lot and front lane asphalt paving</li><li>• Modify parking to improve traffic flow</li><li>• Replace concrete approach</li><li>• Crack fill and seal coat existing parking lots</li></ul>
<b>Building Interior</b>	<ul style="list-style-type: none"><li>• Refinish gym floor</li></ul>
<b>Technology</b>	<ul style="list-style-type: none"><li>• Upgrade classroom instructional technology</li><li>• Replace computers</li><li>• Upgrade A/V systems</li></ul>



Item	Description of Work Performed
Site Work	<ul style="list-style-type: none"><li>• Upgrade athletic field entrance</li></ul>
Building Interior	<ul style="list-style-type: none"><li>• Refinish gym floor</li></ul>
Electrical Systems	<ul style="list-style-type: none"><li>• Install power outlets and raceways for technology</li><li>• Upgrade existing fire alarm system operating software</li><li>• Upgrade lighting, interior emergency egress, and exit lighting</li></ul>
Technology	<ul style="list-style-type: none"><li>• Upgrade classroom instructional technology</li><li>• Replace computers</li><li>• Upgrade A/V systems</li></ul>



Item	Description of Work Performed
<b>Site Work</b>	<ul style="list-style-type: none"><li>• Replace parking lot drives</li><li>• Modify parking to improve traffic flow</li><li>• Replace concrete approach, sidewalks, steps, and stoops</li><li>• Install concrete collars around catch basins</li><li>• Improve site drainage</li></ul>
<b>Building Exterior</b>	<ul style="list-style-type: none"><li>• Replace service doors and hardware</li><li>• Upgrade exterior door hardware and re-key</li><li>• Replace overhead doors</li></ul>
<b>Building Interior</b>	<ul style="list-style-type: none"><li>• Replace select doors and hardware</li><li>• Replace flooring in media center</li><li>• Refinish gym floor</li></ul>
<b>Plumbing &amp; HVAC Systems</b>	<ul style="list-style-type: none"><li>• Upgrade pool filtration system</li><li>• Replace boiler, pipes, and valves</li><li>• Upgrade temperature controls</li><li>• Replace secondary boiler (pool/hot water)</li></ul>
<b>Electrical Systems</b>	<ul style="list-style-type: none"><li>• Upgrade electrical panels (boiler room/elevator)</li><li>• Install occupancy sensors</li></ul>
<b>Technology</b>	<ul style="list-style-type: none"><li>• Upgrade classroom instructional technology</li><li>• Replace computers</li><li>• Upgrade A/V systems</li></ul>



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



## Elementary Schools

- Black Elementary
- Cromie Elementary
- Jefferson Elementary
- Siersma Elementary
- Susick Elementary
- Wilde Elementary

## High Schools

- Cousino High
- Warren Mott High
- Sterling Heights High

## Other Buildings

- Career Prep Center
- Educational Service Center
- ACM Door & Hardware Replacement
- Public Address System Upgrades



# 2019 Work | Elementary Schools



Item	Description of Work to Be Performed
<b>Sitework</b>	<ul style="list-style-type: none"> <li>• Replace concrete approaches, sidewalks, steps and stoops</li> <li>• Replace concrete collars around catch basins</li> </ul>
<b>Building Exterior</b>	<ul style="list-style-type: none"> <li>• Replace service doors and hardware</li> <li>• Upgrade exterior door hardware</li> </ul>
<b>Building Interior</b>	<ul style="list-style-type: none"> <li>• Replace door hardware</li> <li>• Replace sinks, toilets, urinals, flooring, and faucets in the restrooms</li> <li>• Update building signage</li> <li>• Replace flooring in the corridor, media center, office, and stage</li> <li>• Replace existing operable partitions with drywall partitions</li> <li>• Replace gym flooring</li> </ul>
<b>Classrooms</b>	<ul style="list-style-type: none"> <li>• Replace classroom flooring with Luxury Vinyl Tile</li> <li>• Replace classroom casework</li> <li>• Upgrade window treatments</li> </ul>
<b>Plumbing</b>	<ul style="list-style-type: none"> <li>• Replace drinking fountains and add water bottle filling station</li> <li>• Replace classroom sinks</li> <li>• Replace boiler, pipes, and valves</li> </ul>
<b>Electrical Systems</b>	<ul style="list-style-type: none"> <li>• Install power outlets and raceways for technology</li> <li>• Upgrade existing fire alarm system operating software</li> <li>• Upgrade lighting, interior emergency egress, and exit lighting</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>• Upgrade classroom instructional technology</li> <li>• Replace computers</li> <li>• Upgrade A/V systems</li> </ul>



Item	Description of Work to Be Performed
<b>Building Exterior</b>	<ul style="list-style-type: none"><li>• Upgrade exterior masonry</li></ul>
<b>Building Interior</b>	<ul style="list-style-type: none"><li>• Replace sinks, toilets, urinals, flooring, partitions, and faucets in the restrooms</li><li>• Replace flooring in art rooms and offices</li><li>• Refinish auxiliary gym floor (Mott)</li><li>• Replace gym wall pads, bleachers, and wrestling mats</li><li>• Replace gym lockers</li><li>• Replace athletic lockers</li><li>• Replace gym equipment</li><li>• Replace stage curtain (Cousino)</li><li>• Replace window treatments</li><li>• Replace art room casework</li><li>• Replace eyewash and emergency shower in science rooms</li><li>• Replace select doors and hardware</li><li>• Replace flooring on stage stairs/ramp</li></ul>
<b>Plumbing &amp; HVAC Systems</b>	<ul style="list-style-type: none"><li>• Replace boiler glycol replacement</li><li>• Replace pool boiler and hot water heater (Cousino)</li><li>• Replace drinking fountains</li><li>• Replace shower towers in locker rooms</li><li>• Upgrade HVAC temperature controls (SHHS)</li></ul>
<b>Electrical Systems</b>	<ul style="list-style-type: none"><li>• Upgrade interior lighting</li><li>• Replace emergency and exit lighting</li><li>• Upgrade fire alarm panel</li><li>• Upgrades to football stadium lighting (including SHHS)</li></ul>



Item	Description of Work to Be Performed
Building Exterior	<ul style="list-style-type: none"><li>• Replace service doors and hardware</li><li>• Upgrade exterior door hardware</li></ul>
Site Work	<ul style="list-style-type: none"><li>• Replace concrete approaches</li><li>• Remove kindergarten playground</li></ul>
Building Interior	<ul style="list-style-type: none"><li>• Replace select door hardware</li><li>• Replace sinks, toilets, urinals, flooring, faucets, and toilet partitions in restrooms</li><li>• Update building signage</li><li>• Replace flooring in the selected classrooms and office</li><li>• Upgrade window treatments</li></ul>
Plumbing & HVAC Systems	<ul style="list-style-type: none"><li>• Replace drinking fountains and add water bottle filling station</li><li>• Replace boiler, pipes, and valves</li><li>• Upgrade temperature controls system</li><li>• Replace roof top unit air handling equipment</li><li>• Replace French drain</li></ul>
Electrical Systems	<ul style="list-style-type: none"><li>• Upgrade lighting, emergency egress, exit lighting, and occupancy sensors</li><li>• Replace emergency and exit lighting</li><li>• Upgrade fire alarm panel</li></ul>
Technology	<ul style="list-style-type: none"><li>• Upgrade classroom instructional technology</li></ul>



# 2019 Work | Service Center



Item	Description of Work to Be Performed
<b>Building Exterior</b>	<ul style="list-style-type: none"><li>• Upgrade of exterior masonry and metal panels</li><li>• Replace service doors and hardware</li></ul>
<b>Building Interior</b>	<ul style="list-style-type: none"><li>• Replace select doors and hardware</li><li>• Replace sinks, toilets, urinals, flooring, faucets, and toilet partitions in restrooms</li><li>• Update building signage</li><li>• Replace flooring in the corridors and office</li><li>• Upgrade window treatments</li><li>• Replace marker boards and tack boards</li></ul>
<b>Plumbing &amp; HVAC Systems</b>	<ul style="list-style-type: none"><li>• Replace drinking fountains</li><li>• Replace kitchen air handling unit</li><li>• Upgrade temperature controls</li></ul>
<b>Electrical Systems</b>	<ul style="list-style-type: none"><li>• Upgrade interior lighting</li><li>• Replace emergency and exit lighting</li><li>• Upgrade fire alarm panel</li><li>• Install power outlets and raceways for technology</li></ul>



## Elementary Schools

- Green Acres Elementary
- Lean Elementary
- Wilde Elementary

## High Schools

- Cousino High
- Warren Mott High
- Sterling Heights High

## Other Buildings/Projects

- Miscellaneous Roofing Projects
- Butcher Educational Center
- Purchase Buses
- Purchase Kitchen Equipment
- Pfromm Center
- Technology Enhancements



## Schedule for Summer 2020 Projects

Prepare Construction Documents	Nov 2019
Bid Phase	Dec 2019 – Jan 2020
Board Review & Award	Feb – Mar 2020
Clark Construction – Contract Amendment	Feb 2020
Material Expediting	Mar – June 2020
Abatement	Jun – Jul 2020
Construction	Jun – Sept 2020
Punch List / Closeout	Sept – Nov 2020
Pfromm Work	Apr – May 2020



# 2020 Work | Various



Item	Description of Work to Be Performed (at buildings as applicable)	
<b>Building Exterior</b>	<ul style="list-style-type: none"> <li>• Replace service doors and hardware</li> <li>• Upgrade exterior door hardware</li> <li>• Upgrade fascia</li> <li>• Roofing upgrades where needed</li> </ul>	<ul style="list-style-type: none"> <li>• Repair masonry</li> <li>• Remove and replace dead/overgrown bushes</li> <li>• Pfromm Center work</li> </ul>
<b>Building Interior</b>	<ul style="list-style-type: none"> <li>• Replace doors and hardware</li> <li>• Replace sinks, toilets, urinals, flooring, and faucets in the restrooms</li> <li>• Update building signage</li> <li>• Replace flooring in the media center, office, and stage</li> </ul>	<ul style="list-style-type: none"> <li>• Replace existing operable partitions with permanent drywall partitions</li> <li>• Replace classroom casework</li> <li>• Upgrade window treatments</li> <li>• Replace classroom flooring with luxury vinyl tile</li> </ul>
<b>Plumbing &amp; HVAC Systems</b>	<ul style="list-style-type: none"> <li>• Replace drinking fountains, and add water bottle filling station</li> </ul>	<ul style="list-style-type: none"> <li>• Replace classroom sinks</li> <li>• Replace hot water heater</li> </ul>
<b>Electrical Systems</b>	<ul style="list-style-type: none"> <li>• Install power outlets and raceways for technology</li> <li>• Upgrade existing fire alarm system operating software</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrade lighting, interior emergency egress, and exit lighting</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>• Public address system upgrades – concurrently with 2019 renovation</li> <li>• Installation of new interactive gym projection systems for K-5 Buildings</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrade classroom instructional technology</li> <li>• Deployment of district-wide all digital radio communications system</li> <li>• Cousino HS radio station upgrades</li> </ul>



## 2021 Work – Final Phase of Bond Work

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- **Buildings/Projects**
  - Administration Building
  - District Wide Landscaping
  - District Wide Furniture, Fixtures & Equipment Purchases
  - Purchase Buses



## Schedule for Summer 2021 Projects

<b>Schematic Design and Design Development Phase</b>	<b>Jan – Jun 2020</b>
<b>Construction Documents</b>	<b>Aug 2020</b>
<b>Bid Phase</b>	<b>Sep 2020</b>
<b>Board Award</b>	<b>Oct 2020</b>
<b>Material Expediting</b>	<b>Oct 2020 – Jan 2021</b>
<b>Construction</b>	<b>Jan – Jul 2021</b>
<b>Punch List / Closeout</b>	<b>Aug – Nov 2021</b>
<b>Furniture, Fixtures &amp; Equipment</b>	<b>TBD</b>



# 2021 Work | Administration Building



Item	Description of Work to Be Performed	
Sitework	<ul style="list-style-type: none"> <li>• Replace concrete approaches, sidewalks, steps and stoops</li> <li>• Replace asphalt paving</li> </ul>	<ul style="list-style-type: none"> <li>• Modify parking and improve traffic flow</li> <li>• Install concrete collars around catch basins</li> </ul>
Building Exterior	<ul style="list-style-type: none"> <li>• Replace service doors and hardware</li> <li>• Upgrade exterior door hardware</li> <li>• Replace window systems</li> </ul>	<ul style="list-style-type: none"> <li>• Repair masonry</li> <li>• Roofing upgrades where needed</li> </ul>
Building Interior	<ul style="list-style-type: none"> <li>• Replace doors and hardware</li> <li>• Replace sinks, toilets, urinals, flooring, and faucets in the restrooms</li> <li>• Update building signage</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrade window treatments</li> <li>• Replace flooring with luxury vinyl tile</li> <li>• Upgrade Administration interiors</li> </ul>
Plumbing & HVAC Systems	<ul style="list-style-type: none"> <li>• Replace drinking fountains and add water bottle filling station</li> </ul>	<ul style="list-style-type: none"> <li>• Replace hot water heater</li> <li>• Replace existing HVAC systems</li> </ul>
Electrical Systems	<ul style="list-style-type: none"> <li>• Install power outlets and raceways for technology</li> <li>• Upgrade existing fire alarm system operating software</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrade lighting, interior emergency egress, and exit lighting</li> </ul>
District Wide Technology	<ul style="list-style-type: none"> <li>• Public address system upgrades</li> <li>• Instructional devices</li> </ul>	Headend room upgrades
District Wide Landscaping	<ul style="list-style-type: none"> <li>• Remove and replace dead/overgrown bushes</li> </ul>	



# Financial Summary



Total Sources Available (including bond issuance, interest, rebates)	<b>138,550,836</b>
Spend - through December 31, 2019	105,038,016
Spend - to complete 2019 work	5,598,207
Spend - 2020 work and 2021 work (estimate)	27,914,613
	<b>138,550,836</b>



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Questions and Further Discussion