Bond 2019 - Key Areas of Focus

- Infrastructure Upgrades and Operational Efficiencies
- Equity across buildings
- Program Upgrades
- Safety and Security Enhancements

- Equity 38.7%
- Infrastructure 42.7%
- Program 18.1%
- Safety/Security 0.5%
Educational Facility Index: Condition

Equity?
New Dublin Elementary School / Preliminary Concepts
Equity

New Dublin Elementary School / Preliminary Concept
Equity

Western High School Major Renovation / Addition / Preliminary Concept
Western High School Major Renovation / Addition / Preliminary Concept
Infrastructure Upgrades across all Schools / Equity
• Exterior upgrades (windows, EIFS panels, roof)
• Interior upgrades (casework, restrooms)
• HVAC upgrades (boilers, AHU, exhaust fans)
• Electrical upgrades
• Site upgrades (playground, paving, LED lighting)
• Flexible/collaborative furniture for classrooms and media center
• Technology upgrades
• Exterior upgrades (windows, EIFS and metal panels, roof)
• Interior upgrades (casework, restrooms)
• HVAC upgrades (AHU, exhaust fans)
• Electrical upgrades
• Site upgrades (playground, paving, LED lighting, municipal water/sewer service)
• Flexible/collaborative furniture for classrooms and media center
• Technology upgrades
Features of Bond Recommendation for Mary Helen Guest Elementary

- Exterior upgrades (EIFS and metal panels, windows, roof, canopy)
- Interior upgrades (casework, restrooms)
- HVAC upgrades (boilers, exhaust fans, AHU)
- Electrical upgrades
- Site upgrades (playground, paving, LED lighting)
- Flexible/collaborative furniture for classrooms and media center
- Technology upgrades
• Exterior upgrades (roof, soffits)
• Interior upgrades (casework, carpet)
• HVAC upgrades (energy management system, boilers, unit vents, exhaust fans)
• Electrical upgrades (emergency generator)
• Site upgrades (playground, paving, LED lighting)
• Flexible/collaborative furniture for classrooms and media center
• Technology upgrades
• Gym Addition
• Cafeteria remodeling
• Exterior upgrades (corridor walls, metal panels, windows, courtyard doors, roof)
• Interior upgrades (casework, tile, restrooms)
• HVAC upgrades (boilers, AHU, exhaust fans, fire suppression system at gym addition)
• Electrical upgrades (panels, outlets)
• Site upgrades (playground)
• Flexible/collaborative furniture for classrooms and media center
• Technology upgrades
• Gym Addition
• Cafeteria remodeling
• Exterior upgrades (metal panels, windows, courtyard doors, roof)
• Interior upgrades (corridor walls, carpet/VCT, casework, restrooms)
• HVAC upgrades (boilers, exhaust fans, AHU, fire suppression system)
• Electrical upgrades (panels, outlets)
• Site upgrades (playground, paving, LED lighting)
• Flexible/collaborative furniture for classrooms and media center
• Technology upgrades
Features of Bond Recommendation for Meadowbrook Elementary

- Exterior upgrades (roof, soffits)
- Interior upgrades (casework, restrooms, carpet/VCT)
- HVAC upgrades (boilers, exhaust fans)
- Electrical upgrades (outlets)
- Site upgrades (playground, LED lighting)
- Flexible/collaborative furniture for classrooms and media center
- Technology upgrades
Features of Bond Recommendation for Oakley Park Elementary

- Gym Addition
- Cafeteria remodeling
- Exterior upgrades (EIFS and metal panels, windows, exterior doors at courtyard, roof, wood soffit)
- Interior upgrades (corridor walls, carpet/VCT/tile, casework, restrooms)
- HVAC upgrades (boilers, AHU, exhaust fans, fire suppression system)
- Electrical upgrades (panels, outlets)
- Site upgrades (playground, paving, LED lighting)
- Flexible/collaborative furniture for classrooms and media center
- Technology upgrades
Features of Bond Recommendation for Pleasant Lake Elementary

- Exterior upgrades (roof, soffits)
- Interior upgrades (casework, restrooms, carpet/VCT)
- HVAC upgrades (boilers, unit vents, exhaust fans)
- Electrical upgrades (outlets, emergency generator)
- Site upgrades (paving, playground, LED lighting)
- Flexible/collaborative furniture for classrooms and media center
- Technology upgrades
• Cafeteria remodeling
• Exterior upgrades (windows, EIFS and metal panels)
• Interior upgrades (corridor walls, carpet/VCT/tile, casework, restrooms)
• HVAC upgrades (boilers, AHU, exhaust fans)
• Electrical upgrades (panels, outlets)
• Site upgrades (playground, paving, LED lighting)
• Flexible/collaborative furniture for classrooms and media center
• Technology upgrades
Features of Bond Recommendation for Wixom Elementary

- Cafeteria remodeling
- Exterior upgrades (windows, EIFS and metal panels, wood soffit)
- Interior upgrades (corridor walls, casework, carpet/VCT/tile, restrooms)
- HVAC upgrades (boilers, AHU, exhaust fans)
- Electrical upgrades (panels, outlets)
- Site upgrades (playground, LED lighting)
- Flexible/collaborative furniture for classrooms and media center
- Technology upgrades
• Exterior upgrades (roof)
• Interior upgrades (music room, stage curtains & sound system, restrooms, locker room)
• HVAC upgrades (boilers, chillers, exhaust fans)
• Electrical upgrades (generator)
• Site upgrades (paving, LED lights)
• Flexible/collaborative furniture for classrooms and media center
• Technology upgrades
Features of Bond Recommendation for James Geisler Middle School

- Interior upgrades (music room, stage curtains & sound system, restrooms, locker room equipment, VCT, casework)
- HVAC upgrades (faucets, boilers, chillers, exhaust fans, univents)
- Electrical upgrades (generator)
- Site upgrades (paving, LED lights)
- Flexible/collaborative furniture for classrooms and media center
- Technology upgrades
Features of Bond Recommendation for C. H. Smart Middle School

- Exterior upgrades (roof, EIFS siding, exterior doors at courtyards, windows)
- Interior upgrades (music room, stage curtains & sound system, corridor walls, restrooms, locker room, carpet / VCT, casework)
- Electrical upgrades (panel, generator)
- HVAC upgrades (faucets, exhaust fans, univents)
- Site upgrades (paving, LED lights)
- Flexible/collaborative furniture for classrooms and media center
- Technology upgrades
Features of Bond Recommendation for Walnut Creek Middle School

- Exterior upgrades (roof)
- Interior upgrades (music room, stage curtains & sound system, restrooms, locker room equipment)
- HVAC upgrades (energy management, faucets, boilers, chillers, exhaust fans)
- Electrical upgrades (emergency generator)
- Site upgrades (paving, LED lights)
- Flexible/collaborative furniture for classrooms and media center
- Technology upgrades
• Exterior upgrades (roof, EIFS siding, windows)
• Interior upgrades (acoustic panels, corridor wall, carpet/VCT, locker room, auditorium and natatorium)
• HVAC upgrades (AC in gym, pool pak unit, exhaust, pool filtration)
• Electrical upgrades (emergency generator)
• Site upgrades (paving, drainage, LED lighting)
• New Team Room Building
• Flexible/collaborative furniture for classrooms and media center
• Technology upgrades
Features of Bond Recommendation for Northern High School

• Exterior upgrades (windows)
• Interior upgrades (carpet/VCT, locker room, auditorium and natatorium)
• HVAC upgrades (energy management system, pool filtration, chillers, AC in gym)
• Electrical upgrades (emergency generator)
• Site upgrades (paving, drainage, LED lighting)
• New Team Room Building
• Flexible/collaborative furniture for classrooms and media center
• Technology upgrades
Features of Bond Recommendation for Outdoor Education Center

- Exterior upgrades (walls, windows, roof)
- HVAC upgrades (water softner, boilers, AHU, exhaust fans)
- Electrical upgrades (generator, electrical distribution panels)
- Site upgrades (paving, drainage, LED lighting)
- Flexible/collaborative furniture
- Technology upgrades
Features of Bond Recommendation for Operations Building

• Exterior upgrades (windows)
• HVAC upgrades (boilers, AHU, exhaust fans)
• Site upgrades (LED lighting, paving)
• Technology upgrades
Features of Bond Recommendation for Twin Sun

- Interior upgrades (casework, restroom)
- HVAC upgrades (boilers, AHU, exhaust fans)
- Site upgrades (playground equipment, LED lighting, paving)
- Technology upgrades
Features of Bond Recommendation for Education Service Center

- Exterior upgrades (walls, windows, roof)
- Interior upgrades (restroom)
- HVAC upgrades (exhaust fans)
- Electrical upgrades (electrical service, electrical distribution panels)
- Site upgrades (LED lighting, paving)
- Technology upgrades
Program Enhancements
Early Childhood Center / 13 MILE ROAD / Preliminary Concept
Focus on Young Learners
Flexible / Collaborative Furniture

Program
Team Rooms at High Schools

Example of Team Room / Concessions
• Emergency Connectivity
• Surveillance Cameras
• Enhance Entry Control
Technology Upgrades

- Gym audio
- LCD displays at each building
- Servers
- Refreshing instructional technology and audio visual cabling
- Data networking
- Additional card readers at each building
- Additional ID cards
- Telephone system and licensing
- Paging and audio systems
- Digital clocks
- Cafeteria audio
- IP video distribution
- Video security system upgrades
- Access control system and intrusion detection
- Cabling
- Data center reconfiguration
Bond Program Financials
## Current Debt Information

### November 2018

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<thead>
<tr>
<th>Bond</th>
<th>Current Balance</th>
<th>Expiration</th>
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<tr>
<td>2011 Refunding Bond</td>
<td>$19,670,000</td>
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<td>2012 Refunding Bond</td>
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<td>2013 Bond</td>
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<td>2016 Refunding Bond</td>
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**Current Debt Millage Rate = 4.5279**
# Debt Millage Comparisons

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<th>District</th>
<th>Total Debt Millage</th>
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<td>West Bloomfield</td>
<td>6.8500</td>
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<tr>
<td>South Lyon</td>
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<tr>
<td>Huron Valley</td>
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<td>Waterford</td>
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<td>Walled Lake</td>
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<tr>
<td>Farmington</td>
<td>3.3000</td>
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Funding Opportunity

• Within five years:
  • Four of five debt obligations will be paid off
  • Debt outstanding will be approximately 50% of current balance and payments will be 73% less
  • Provides window of opportunity to sell bonds while still providing a tax decrease to our community
Impact on Debt Millage Rate

- Refunding of prior bonds
- Structure of 2014 bonds
- Stable and growing taxable values

*The combination allows for additional debt while providing a tax decrease.*
Bond 2019.....
Questions and Answers