HOUSE of REPRESENTATIVES

STATE OF MICHIGAN

Appropriations Requests for Legislatively Directed Spending Items

1. The sponsoring representative's first name:
   Karl

2. The sponsoring representative's last name:
   Bohnak

3. The cosponsoring representatives' names. All cosponsors must be listed. If none, please type 'n/a.' A signed letter from the sponsor approving the co-sponsorship and a signed letter from the member wishing to co-sponsor are required. Attach letters at question #9 below.
   N/A

4. Name of the entity that the spending item is intended for:
   Munising Public Schools

5. Physical address of the entity that the spending item is intended for:
   810 M-28 Suite A, Munising, MI 49862

6. If there is not a specific recipient, the intended location of the project or activity:
   William G. Mather Elementary School - 411 Elm Ave., Munising, MI 49862 Munising Middle-High School - 810 M-28, Munising, MI 49862

7. Name of the representative and the district number where the legislatively directed spending item is located:
   Karl Bohnak - 109th District

8. Purpose of the legislatively directed spending item. Please include how it provides a public benefit and why it is an appropriate use of taxpayer funding. Please also demonstrate that the item does not violate Article IV, S 30 of the Michigan Constitution.
   Munising Public Schools (MPS) is seeking this funding request due to the age of their buildings and the hazards that are facing their students and faculty.

   Munising is a rural community and have tried passing millages and were unsuccessful and have been operating on their annual fund which includes the state's foundation allowance and local property taxes. However, the age of the buildings is starting to catch

up and deteriorate and is exceeding their typical budget.

MPS recently did a SFRF Facility Report that will be attached for full disclosure. In this report, it was found that the age of the necessities to operate a school safely is starting to become worrisome. This funding request is to address what the report found as critical and cautiously selected near term issues that could cause major issues to operations in the future.

Please Note: The Elementary School is 104 years old, and the Middle-High School is 45 years old.

9. Attach documents here if needed:
   Attachments added to the end of this file.

10. The amount of state funding requested for the legislatively directed spending item.
    12000000

11. Has the legislatively directed spending item previously received any of the following types of funding? Check all that apply.
    ["Local","State"]

12. Please select one of the following groups that describes the entity requesting the legislatively directed spending item:
    Local unit government

13. For a non-profit organization, has the organization been operating within Michigan for the preceding 36 months?
    Not applicable

14. For a non-profit organization, has the entity had a physical office within Michigan for the preceding 12 months?
    Not applicable

15. For a non-profit organization, does the organization have a board of directors?
    Not applicable

16. For a non-profit organization, list all the active members on the organization's board of directors and any other officers. If this question is not applicable, please type 'n/a.'
    n/a

17. "I certify that neither the sponsoring representative nor the sponsoring representative's staff or immediate family has a direct or indirect pecuniary interest in the legislatively directed spending item."

Yes, this is correct

18. Anticipated start and end dates for the legislatively directed spending item:
    Projected Start Date - October 1, 2025 / Projected End Date - June 30, 2028

19. “I hereby certify that all information provided in this request is true and accurate.”
    Yes

Michigan Statewide School Facilities Study

District-Level Report

MUNISING PUBLIC SCHOOLS

Plante Moran Realpoint
in collaboration with Barton Malow Builders

Sponsored by:
School Finance Research Foundation

January 2025

District-Wide Report:

MUNISING PUBLIC SCHOOLS

The on-site facility condition assessments (FCAs) included in this study were completed by:

Orchard, Hiltz & McCliment, Inc. (dba OHM Advisors)

Use and Limitations for the Report

1. Intent. As set forth in Section 11y of the State School Aid Act of 1979, this facility condition assessment (FCA) is intended to help determine the most cost-effective way to improve the health, safety, and wellness of the subject facility (the "Facility"). This FCA is not intended to be relied upon by the participating district or any other party for the identification or the implementation of any corrective action of any specific life-safety or code compliance issues.

2. Noninvasive Representative Observations. This FCA is not an exhaustive facility inspection. Rather, the FCA is based on noninvasive, representative observations of a reasonable number of typical building conditions for specified components and information the district provided. Unidentified and unreported conditions may exist that may impact the health, safety, or wellness of a building or its reported repair cost. Although the project team has taken steps to promote uniformity between the professionals conducting the FCAs, determinations of needs as critical, near-term, or long-term are, in part, based on the professional judgment of the team conducting the FCA. Accordingly, opinions may differ regarding the classification of needs. The following building components, among others, were not observed during this FCA: toilet partitions, toilet accessories, casework, lockers, folding walls, markerboard, wall finishes, floor finishes, ceiling finishes, gas lines, ductwork, primary electrical service, general outlets, gym equipment, interior lighting, clock systems, sound systems, scoreboards, appliances, asbestos, paving, playing fields, site storm sewer system, site fuel supply, site electrical supply.

3. Cost Information. The anticipated repair and replacement costs are based on RSMeans data, a proprietary cost database commonly used in the construction industry, historical cost data available to the project team, and other sources. Despite the project team's efforts to provide reasonable cost benchmarks to policymakers, the project team cannot control nor predict present or future market conditions. The actual repair or replacement costs will differ from those reported.

4. Use of Study. This FCA is intended solely for use by School Financial Research Foundation and the Facility Owner. Use of, or reliance on, this FCA by any other party is at their own risk.

5. Specific Point in Time. This FCA is based on information and conditions observed at the time of observation. This FCA does not account for subsequent changes to the conditions or information relied upon, nor do they account for capital programs that are in planning, design, or under construction.

6. District Provided Information. This FCA relies on information provided by the Facility Owner. Inaccuracies or incompleteness of district-provided information may impact the results of this FCA.

7. Real Estate Decisions. While this study provides data regarding costs for repair of the Facility, informed real estate decisions should not be based on one data point. Many factors are important to consider, such as future enrollment needs, design and construction approach, available capital, operations, and community input. Decisions regarding each building need to be made in the context of the larger portfolio as well, accounting for utilization and efficiencies that could be made through realignment and consolidation (e.g., foregoing repairs on multiple buildings to demolish and rebuild one that will be better utilized).

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PROJECT TEAM

Sponsor

The School Finance Research Foundation (SFRF) is a nonprofit organization associated with the School Finance Research Collaborative (SFRC), a nonprofit organization composed of business leaders and education experts. One of SFRC's objectives is to identify the funding needed to provide an equitable educational environment to all Michigan students.

Project Team

Plante Moran Realpoint (PMR) is the leading K-12 owner's representation and real estate consulting firm in Michigan. PMR has extensive K-12 bond planning and project management experience, helping more than 100 Michigan school districts complete billions of dollars in K-12 client capital projects over the past 30+ years.

Barton Malow Builders (BMB) has been at the forefront of the K-12 construction landscape since 1925. Their team has expanded to over 116 school construction management specialists, including planners, builders, and technology design experts, all dedicated to meeting the distinct needs of school districts across the nation.

Participant

Orchard, Hiltz & McCliment, Inc. (dba OHM Advisors)

Michigan-based architectural/engineering firm specializing in K-12 construction conducted an on-site facility condition assessment (FCA) for all buildings included in the study.

Executive Summary

Approach

The project team approached the study in three phases: strategic planning, data collection, and analysis.

Strategic planning was primarily focused on establishing the scope of the study in terms of district participation, qualifying buildings, and building components to be observed. Procurement of the architectural/engineering firms that conducted the FCAs was also completed during this phase.

Data related to participating districts' building conditions came from district records (information about building square footage, age, and programming) and the on-site FCAs. The information went through a rigorous verification process and was certified by a Michigan-licensed architect or engineer.

To determine the most cost-effective way to bring a building to health, safety, and wellness standards, the project team first calculated the *cost to repair* over a ten-year period and the *cost to replace* over a three-year period. Cost to repair is informed by the FCA building condition observations. Cost to replace is based on the space needs of the existing student population, and therefore factors in square footage based on current student enrollment. Both cost calculations account for soft costs, regional price differences, and escalation over time.

The project team then performed a cost-effectiveness analysis that would allow a direct comparison between the two figures to determine which option; repair or replacement, was most cost-effective for any individual building. The outcome of this analysis is the aggregation of the most cost-effective method for all buildings.

Phase 1: Strategic Planning

80+ Standard building components identified related to health, safety, & wellness

Phase 2: Data Collection

- District-provided building information such as building size, age, & programming
- Observed building conditions specific to health, safety, & wellness from the facility condition assessments

Phase 3: Analysis

1. Total cost to repair and cost to replace for each building
2. Cost-effectiveness analysis

Executive Summary

Additional Considerations

While this study provides rough order of magnitude repair and new construction cost data, it does not definitively determine a recommended investment. The decision to invest in capital improvements of any kind lies with each school district and a variety of factors should be considered including, but not limited to, additional capital improvement costs, current utilization, pupil enrollment projections, ongoing operating and maintenance costs. These factors are discussed further below.

SCOPE OF THIS STUDY VS. A TYPICAL K-12 CAPITAL IMPROVEMENT PLAN

The facility needs related to health, safety, and wellness included in this study are only a portion of the various improvement items that may be included in a typical capital improvement program, such as a bond program or sinking fund. As such, the cost to repair calculation in this study, as expressed by cost per recommended square foot, will not be comparable to the estimated cost per square foot of more comprehensive capital improvement programs. The building components included in this study typically account for 25% to 75% of the overall program costs for a comprehensive K-12 capital improvement program. K-12 capital improvement programs usually include additional construction-related items like new construction, additions, renovations or remodeling, replacing interior finishes, and athletic field improvements. Also, depending on the type of program, they may include technology infrastructure, instructional technology devices, non-instructional technology, security systems, furniture, loose equipment, buses, maintenance equipment, musical instruments, etc. Capital improvement plans range in duration but typically cover the same ten-year time horizon used in this study, with bond programs usually lasting five to seven years or up to ten years and sinking fund programs usually lasting five to ten years. Projecting construction costs more than ten years into the future is not common practice because the level of accuracy of cost projections decreases as time increases. Collecting additional information regarding the current conditions and costs of the items not included in the scope of this study would provide valuable insight to districts and the state for capital improvement planning purposes.

OPERATING EXPENSES

Ongoing operational and maintenance expenses were not included in this study but are another important factor to consider before investing in repairs or new construction. Operating and maintenance expenses vary by building but typically range from $7 to $10 per square foot annually with newer buildings with more efficient equipment systems usually costing less to operate and maintain than older buildings. These costs would be incurred by districts in addition to those identified in this study. The space needed as well as the costs to maintain and operate it should be taken into consideration, in addition to the costs identified through this study, before investment in repairs and new construction.

Executive Summary

This Study Is:

- A high-level, non-invasive assessment of building conditions focused on health, safety, and wellness based on physical building observation and professional judgment.
- Inclusive of professional service fees associated with construction.
- Inclusive of escalation.

This Study Is Not:

- Inclusive of testing, sampling, or diagnostics of building components.
- A facility condition assessment for use in the Department of Treasury's preliminary qualification (PQ) application process.
- Meant to identify or correct any issues or deficiencies in any district facility regarding space or programming.

TABLE DESCRIPTIONS

The remainder of the report provides three different types of tables that report results in varying detail. Table 1 shows a district-wide summary of repair and replacement costs. Table 2 shows a summary of each FCA completed, with one table per building. Table 3 is a detailed version of Table 2 and shows each individual observation that the facility condition assessment (FCA) firm reported.

To calculate cost to repair and cost to replace, a standard cost-per-unit value was used to calculate direct costs. Additionally, all cost calculations account for indirect costs (30% of direct costs), regional price differences, and inflation (4% annual escalation).

Tables 2 and 3 are provided for each building observed in this study. The Building Category and Sub-Category columns in both Table 2 and Table 3 along with the Component column in Table 3 follow UNIFORMAT II, a classification format for building specifications, cost estimating, and cost analysis published by the U.S. Department of Commerce.

Table 1 - District Summary:

Table 1 provides an overview of all buildings within your district that were observed during this study. The table is organized in to four sections: Repair Costs, Replacement Costs, Net Present Values, and Most Cost-Effective. The following is an explanation of each.

Repair: The Repair section includes four columns outlining costs for Critical, Near-Term, and Long-Term repairs identified during the on-site FCA. These columns categorize repair needs by recommended replacement time frame:

- **Critical:** within 1-3 years
- **Near-Term:** within 4-6 years
- **Long-Term:** within 7-9 years

Replace: The cost to replace represents the "all-in" costs to construct a new building to serve the current student population. The recommended square footage factored into the replacement cost was calculated using standard square-foot space allocations based on the current student population of each building. For ISD buildings and buildings with less than 25 students assigned for the fall of 2023, the square footage of the existing building was used rather than a per-student allocation.

Net Present Value & Most Cost-Effective: After the cost to repair and cost to replace were calculated, the net present value (NPV) of both costs were calculated to determine the most cost-effective option for meeting health, safety, and wellness standards. If the NPV of the repair costs were more than the replacement costs, then the most cost-effective value shown is the replacement cost. If the NPV of the replacement costs were more than the repair costs, then the most cost-effective value shown is the base repair cost.

Table 2 - Building FCA Summary Data:

This table provides a high-level summary of repair costs by building category over time.

Table 3 - Building FCA Observation Detail:

This table provides the in-depth observation data collected during the on-site FCA. The table lists all reported observations for each individual building component and groups them by Building Category and Sub-Category (following UNIFORMAT II). The FCAs were confirmed by the FCA firm and reviewed by the project team's review team. Some assessment observations have recommended replacement time frames of over 10 years, which are deemed Future in the Assessment column since the scope of the study was based on a 10-year horizon. It is expected that if an individual observation has an assessment value of Future, then the Observation Cost column will be blank, as the future costs were not estimated.

Age: The age listed is the year the item was either originally installed or replaced. If there are multiple years listed, this may be due to an addition to the building. The age may also list the approximate age of an item if the exact installation year is unknown.

Unit Definitions:

- **SQFT - Square Foot:** This is a measurement of the surface area of an item. This can be either horizontal (length x width) or vertical surface (length x height).
- **EACH - Each:** This is a count of similar items. It is typically used for counting things such as number of similar doors or number of similar piece of mechanical equipment.
- **LNFT - Lineal Foot:** This is a measurement of the length of an item that has at least one uniform dimension. A common use may be perimeter of an item or length of trim.
- **LPSM - Lump Sum:** This is typically used for a singular system that may be made up of a few components that creates a composite item. This is used for items such as electrical switchgear.
- **ALLO - Allowance:** This is used for items that do not have any other standard unit of measure. These are often unique items with only one in a building, such as items used in a pool or auditorium.

Note: All observation notes in Table 3 are presented as originally provided by the FCA firm that generated the data. As such, they were not edited for grammar or punctuation.

FCA CERTIFICATION DATES

As part of the FCA process, firms certified that each building was assessed through an on-site observation and that the observations were correct to the best of the FCA firm's knowledge. The list below outlines the dates each building within this district was certificated.

MUNISING PUBLIC SCHOOLS - Certification Dates

Building Name	Certification Date
MUNISING HIGH AND MIDDLE SCHOOL	4/1/2024
WILLIAM G. MATHER ELEMENTARY SCHOOL	4/1/2024

DISTRICT RESULTS – MUNISING PUBLIC SCHOOLS

Table 1 – District Summary

Building	Repair Costs				Replacement Costs	*Net Present Values*		
	Critical (1-3 yrs)	Near Term (4-6 yrs)	Long Term (7-9 yrs)	Total	Total	*NPV Repair*	*NPV Replace*	Most Cost-Effective
MUNISING HIGH AND MIDDLE SCHOOL	$1,888,004	$3,882,005	$2,543,978	$8,313,987	$40,834,165	*$7,803,063*	*$38,967,813*	**$8,313,987**
WILLIAM G. MATHER ELEMENTARY SCHOOL	$7,688,025	$4,027,073	$3,863,374	$15,578,472	$26,021,267	*$14,909,532*	*$24,831,948*	**$15,578,472**
District Total	**$9,576,030**	**$7,909,078**	**$6,407,352**	**$23,892,459**	**$66,855,431**	***$22,712,595***	***$63,799,760***	**$23,892,459**

Table 2 – Building FCA Summary Data: MUNISING HIGH AND MIDDLE SCHOOL

Building Category	Sub-Category	Critical (1-3 yrs)	Near Term (4-6 yrs)	Long Term (7-9 yrs)	Total
A-Substructure					
	A10-Foundation	$0	$0	$0	$0
	A20-Basement	$0	$0	$0	$0
	Substructure Subtotal	$0	$0	$0	$0
B-Shell					
	B10-Superstructure	$129,319	$0	$0	$129,319
	B20-Exterior Closure	$482,336	$92,280	$747,061	$1,321,677
	B30-Roofing	$0	$0	$0	$0
	Shell Subtotal	$611,655	$92,280	$747,061	$1,450,996
C-Interiors					
	C10-Interior Construction	$40,583	$44,742	$915,975	$1,001,300
	C20-Staircases	$9,944	$0	$0	$9,944
	Interiors Subtotal	$50,527	$44,742	$915,975	$1,011,244
D-Services					
	D10-Conveying Systems	$0	$279,636	$0	$279,636
	D20-Plumbing	$34,803	$240,347	$70,381	$345,531
	D30-HVAC	$615,272	$2,518,118	$110,093	$3,243,483
	D40-Fire Protection	$0	$0	$0	$0
	D50-Electrical	$286,195	$706,884	$543,192	$1,536,270
	Services Subtotal	$936,271	$3,744,984	$723,666	$5,404,920
E-Equipment & Furnishings					
	E10-Equipment	$0	$0	$157,276	$157,276
	E20-Furnishings	$10,255	$0	$0	$10,255
	Equipment & Furnishings Subtotal	$10,255	$0	$157,276	$167,530
F-Special Construction & Demo					
	F10-Special Construction	$0	$0	$0	$0
	Special Construction & Demo Subtotal	$0	$0	$0	$0
G-Building Sitework					
	G20-Site Improvements	$92,850	$0	$0	$92,850
	G30-Site Utilities	$186,446	$0	$0	$186,446
	G40-Site Electrical	$0	$0	$0	$0
	Building Sitework Subtotal	$279,296	$0	$0	$279,296
MUNISING HIGH AND MIDDLE SCHOOL TOTAL		**$1,888,004**	**$3,882,005**	**$2,543,978**	**$8,313,987**

BUILDING DATA – MUNISING PUBLIC SCHOOLS

Table 3 – Building FCA Observation Detail: MUNISING HIGH AND MIDDLE SCHOOL

Building Category	Sub-Category	Component	Location	Assessment	Quantity	Unit	Observation Notes	Age	Observation Cost
A-Substructure									$0
	A10-Foundation								**$0**
		A1010 Foundations		Future	1,135	LNFT	no issues	2018	
		A1030 Slab on Grade		Future	92,100	SQFT	no issues	1978	
B-Shell									$1,450,996
	B10-Superstructure								**$129,319**
		B1010 Floor Construction	second floor framing	Future	92,100	SQFT	no issues - structure of second floor is not visible from interior	1978	
		B1020 Canopies	outside gym under mechanical room	Future	536	SQFT	no issues - lights need replacement	1978	
		B1020 Roof Construction	exposed roof	Future	51,750	SQFT	no issues	1978	
		B1020 Roof Construction	boiler room, maintenance and shop classes	Critical	6,400	SQFT	earth covered roof over lower floor level has failed and is continually leaking into rooms below. see photos	1978	$119,326
		B1020 Roof Construction	3 protruding entry vestibules	Critical	536	SQFT	insulation and ventilation is inadequate. moisture builds up inside vestibule in direct sunlight and freezes at bottom of roof structure/ insualtion and then condenses and ruins ceiling grid	1978	$9,994
	B20-Exterior Closure								**$1,321,677**
		B2010 Exterior Walls (brick)		Future	310,000	SQFT	no issues	1978	
		B2010 Exterior Walls (brick)	northeast wall - library side	Critical	7,000	SQFT	brick coursing is leaking into cavity at cracks and water is coming into the school at the window heads	1978	$478,545
		B2016 Exterior Soffits	2 locker room exits, 3 vestibule roof overhangs	Future	250	SQFT		1978	
		B2020 Exterior Windows	front facade	Long-Term	5,000	SQFT	widows show aging, some small leaks at glazing	1978	$747,061
		B2020 Exterior Windows		Future	1,500	SQFT	no issues	2018	
		B2030 Exterior Doors, FRP/aluminum		Future	20	EACH	no issues	2018	
		B2030 Exterior Doors, hollow metal		Future	7	EACH	no issues	2018	
		B2030 Exterior Doors, hollow metal	gymnasium exit doors	Near-Term	6	EACH	aging doors - need new panals	1978	$29,362
		B2030 Exterior Doors, numbered		Critical	17	EACH	no exterior numbering at 17 entry/ exit door locations	1978	$3,170
		B2034 Overhead Doors	maintenance and shop rooms	Near-Term	3	EACH	doors operate but are aging. could be replaced in a few years	1978	$62,918
		Knox Box present	main entry	Critical	1	LPSM	no knox Box present		$621
		single point of visitor entry	main entry	Future	1	ALLO	no issues	2018	
	B30-Roofing								**$0**
		B3010 Roof Coverings (metal)	3 entry vestibules	Future	536	SQFT	no issues	2018	
		B3010 Roof Coverings (rubber/epdm)		Future	52,830	SQFT	no issues	2018	
C-Interiors									$1,011,244
	C10-Interior Construction								**$1,001,300**
		C1010 Interior glazing (impact resistant)		Critical	500	SQFT	no impact glazing present		$311
		C1010 Interior Walls		Future	100,000	SQFT	no isssues	1978	
		C1020 doors (outward opening)	classrooms	Future	32	EACH	no issue - doors open outward		
		C1020 doors (wood or metal)		Long-Term	182	EACH	original doors - in good condition. showing wear	1978	$915,975
		C1020 doors (wood or metal)	band room, wood shop	Near-Term	10	EACH	Wood doors in music very beat up .metal doors in wood shop area are beat up as well. some do not function well for closing and opening	1978	$44,742
		C1023 door hardware, anti-intrusion device	all classrooms	Future	32	EACH	no issues. additional rooms have the devices as well		
		C1023 door hardware, lock from inside classroom	classrooms	Critical	32	EACH	door do no lock from inside		$29,831
		C1035 Interior Signage, code compliant		Future	80	EACH	rooms other than classrooms have code compliant signage	2018	
		C1035 Interior Signage, code compliant	classrooms	Critical	24	EACH	classroom signage is large numbers aligned vertically on wall near door. these are not code complaint	2018	$10,441
	C20-Staircases								**$9,944**
		C2010 Handrails (code compliant)	stairs up to gym balcony and exit to upper grade in Gym	Future	3	EACH	no isssues	1978	
		C2010 Handrails (code compliant)	2 main stairs to upper floor	Critical	2	EACH	handrails do not meet code	1978	$9,944
D-Services									$5,404,920
	D10-Conveying Systems								**$279,636**
		D1010 Elevators & Lifts	West of Classroom 2243	Near-Term	2	EACH	Elevator is old and has some performance issues. Inspected recently but could use replacement.	1980	$279,636
	D20-Plumbing								**$345,531**
		D2010 Faucet	Throughout school	Future	28	EACH	Faucets have been replaced throughout the years. Good condition.	Varies	
		D2010 Faucet	Bathrooms/Science and Biology Room	Future	27	EACH	Good condition. All main bathrooms are hardwired.	2018	
		D2010 Faucet	Wood shop bathrooms, staff bathrooms.	Critical	7	EACH	Faucets are old and need replacement.	1980	$10,876
		D2010 Flush Valve	Bathrooms	Future	26	EACH	Flush valves all hardwired. Installed in 2018.	2018	
		D2010 Flush Valve	Staff bathrooms, locker rooms	Long-Term	13	EACH	Flush valves in good condition but older, could be replaced down the road.	Varies	$15,334
		D2010 Flush Valve	Wood shop bathrooms, Lockerrooms	Critical	4	EACH	Flush Valves leak and are old. One is broken. Needs replacement.	Varies	$3,729
		D2010 Sink	Throughout School	Long-Term	28	EACH	Sinks in pretty good condition. Could use replacement down the road.	Varies	$55,047
		D2010 Sink	Bathrooms	Future	27	EACH	Good condition. Installed in 2018.	2018	
		D2010 Sink	Wood shop, staff bathrooms	Critical	7	EACH	Sinks need to be replaced.	1980	$10,876
		D2010 Toilet or Urinal	Bathrooms	Future	27	EACH	Toilets/Urinals in good condition. Installed in 2018	2018	
		D2010 Toilet or Urinal	Throughout school	Near-Term	11	EACH	Toilets are older and still good working condition. Minor issues, could be replaced.	Varies	$19,225
		D2010 Toilet or Urinal	Locker rooms/Wood Shop	Critical	6	EACH	Urinals cracked. Toilets cracked. Old fixtures. Need replacement.	1980	$9,322
		D2018 Drinking Fountain	Throughout school,	Future	8	EACH	Elkay. 5 bottle fillers, 8 fountains total. All newer.	2018	
		D2018 Drinking Fountain	Outside staff lounge	Future	2	EACH	2 new fountains are in but not installed yet, will be installed soon. One is bottle filler.	2024	
		D2020 Domestic Water Distribution	Throughout School.	Near-Term	92,100	SQFT	No issues reported, system is closing in on 50 years old, 44 right now.	1980	$193,158
		D2020 hot water heater	Boiler Room	Near-Term	2	EACH	Good condition, no issues, but getting older.	2010	$27,964
		D2023 Backflow Preventor	Boiler Room	Future	1	LPSM	Recently tested. No issues.		
		D2030 Sanitary Waste	Throughout school	Future	92,100	SQFT	No issues reported. Good condition	1980	
		D2040 Rain Water Drainage (roof conductors)	Roof	Future	52,830	SQFT	No issues reported. Drains are going to be cleaned soon by maintenance.	2018	
	D30-HVAC								**$3,243,483**

D3020 Heating Generating System (boiler, large)	Boiler Room	Near-Term	2	EACH	Lochinvar Boilers. One is having minor issues, will flame out sometimes and error. No other issues. 6 years of useful life remaining.	2010	$559,271
D3020 Heating Generating System (boiler, large)	Boiler Room	Future	1	EACH	Lochinvar. Installed in 2018. Good condition.	2018	
D3022 Hydronic Plumbing	Boiler Room/Throughout School	Near-Term	92,100	SQFT	Pinhole leaks that slowly grow until repaired, reported throughout school, but mainly in boiler room.	1980	$1,287,721
D3030 Cooling Generating System (chiller)	N/A	Critical		EACH	School does not have a chiller. Condensers also only feed offices, library, and freezer and walk in fridge. No classrooms have AC.	N/A	
D3030 Cooling Generating System (condensing unit)	Roof and outside Library	Future	6	EACH	5 Are Mitsubishi. 1 is Daikin. All in good condtion, no issues reported.	2018	
D3030 Cooling Generating System (condensing unit)	Roof and outside storage 2185.	Near-Term	4	EACH	3 are Mitsubishi, 1 is heatcraft. These units are older and a bit beat up by rough winters. Could use replacement in the near term.	2008?	$279,636
D3040 Exhaust fans	Mech Rooms/Bathrooms	Long-Term	14	EACH	Exhaust fans original to building. Loud but still functional.	1980	$110,093
D3040 Exhaust fans	Bathrooms	Future	2	EACH	2 Exhaust fans replaced in 2018	2018	
D3050 air handling unit (AHU)	Mech Rooms	Critical	6	EACH	AHU's are past end of useful life. Current issue with 1 of them not running correctly. Other issues reported in past but have been fixed by maintenance. 44 Years old.	1980	$559,339
D3050 air handling unit (AHU)	Above Storage 2168	Future	1	EACH	Daikin AHU. Good condition, only 5 years old.	2019	
D3050 rooftop units (RTU), large	Roof	Future	1	EACH	Make up Air unit. Greenheck. Only 5 years old, no issues reported.	2018	
D3050 unit heater	Classrooms/Offices	Near-Term	42	EACH	Convection Heaters. Still in good working condition but original to school.	1980	$293,617
D3050 unit heater	Throughout School	Future	19	EACH	FinTube Radiators. Good condition. No issues reported.		
D3050 unit heater	Mech rooms, Wood/Metal Shop. Boiler Room.	Near-Term	10	EACH	UH's are original to building. Loud. Some issues reported in the past.	1980	$69,909
D3050 unit heater	Entrances.	Near-Term	4	EACH	CUH's in rough shape, and are original to building.	1980	$27,964
D3050 unit heater	Outside storage 2125, Outside Kitchen	Critical	2	EACH	CUH's do not function. Needs replacement.	1980	$12,430
D3050 unit vents (UV)	Locker rooms	Future	2	EACH	Unit Vents replaced in 2018. Good condition.	2018	
D3050 unit vents (UV)	Wood Shop	Critical	1	EACH	Original. Needs replacement. 44 years old.	1980	$43,504
D3060 Controls & Instrumentation	Throughout School	Future	92,100	SQFT	Entire school is on Digital Controls. No issues reported.	2018	
D40-Fire Protection							**$0**
D4010 Sprinklers	Throughout school	Future	92,100	SQFT	No issues reported, good condition. Entire school has sprinkler system.		
D4030 Fire Extinguishers	throughout school	Future	20	EACH	no isssues		
D50-Electrical							**$1,536,270**
D5010 Electrical panels	Throughout School	Near-Term	28	EACH	Westinghouse panels. Original to building, becoming harder to find replacement parts for.	1980	$587,235
D5010 Electrical Service & Distribution	Boiler Room	Future	1	ALLO	1600 A main switchboard. No issues with distribution.	1980	
D5020 Exit & Emergency Lighting	Throughout School	Future	92,100	SQFT	No issues. Updated in 2018. Meets current code.	2018	
D5020 exterior building lighting	Exterior of Building	Near-Term	11	EACH	Some exterior doors do not have lighting. Some lighting is LED, other lighting is not. Critical need.	Varies	$23,070
D5031 mass notification system	Main Office	Near-Term	92,100	SQFT	Office announces over PA during emergency.	2018	$96,579
D5037 Fire Alarm System		Long-Term	92,100	SQFT	Siemens system. Installed in 2018. School has reported some issues, only 6 years old though. Alarm on main will go off randomly, will be fixed but then same issue keeps happening.	2018	$470,766
D5038 access control	Exterior Doors	Future	92,100	EACH	Two doors have access control. No issues reported.	2018	
D5038 intrusion detection system	N/A	Critical	92,100	SQFT	Burglar alarm system does not exist.	N/A	$28,619
D5038 security cameras (exterior)	Exterior of Building	Critical	92,100	SQFT	Only 4 Exterior Cameras. Rear parking lot has good coverage, but south and east side of the building has no coverage.	2012	$28,619
D5038 security cameras (interior)	Throughout School	Long-Term	92,100	SQFT	Has fairly good interior coverage. Roughly 75% coverage. Could use some more in the future.	2012	$72,426
D5039 Local Area Network	Throughout School	Future	92,100	SQFT	No issues reported. Updated in 2018.	2018	
D5090 Emergency generator	N/A	Critical	92,100	SQFT	School does not have one		$228,956
E-Equipment & Furnishings							$167,530
E10-Equipment							**$157,276**
E1020 Gym Backboards	gymnasium	Future	4	EACH	no isssues		
E1090 Kitchens	Kitchen	Long-Term	1	ALLO	Kitchen in good condition. Some equipment is original from 1980 and needs replacement soon.	Varies	$157,276
E20-Furnishings							**$10,255**
E2013 Window Treatment		Future	31	EACH	no isues	2018	
E2013 Window Treatment	second floor art room	Critical	11	EACH	no window treatments. room gets very hot in sunlight		$10,255
E2015 Fixed Seating (gym bleachers)	gymnasium main floor and balcony	Future	1,179	EACH	no isssues	2018	
F-Special Construction & Demo							$0
G-Building Sitework							$279,296
G20-Site Improvements							**$92,850**
barricade at entry	MAIN ENTRY - LAKESIDE. THERE ARE 2 ENTRANCES TO THE MAIN LOBBY/ COMMONS	Critical	2	ALLO	no barricade	1978	$24,859
Frost Slab / Stoop		Future	9	EACH	no issues	1978	
G2020 ADA parking space	main parking lot, library entrance	Future	9	EACH	no issues		
G2030 ADA accessible route	main entry from parking lot	Future	1	ALLO	no issues	2018	
G2041 Fencing, around mechanical & electrical equipment	SW corner of building, North side of building.	Critical	50	LNFT	No fencing around condensers, transformer. Would need approx. 50 LNFT	N/A	$3,978
G2044 Signage, directional (staff, student, parent, visitor)	main parking area in front of school	Critical	1	EACH	minimal sigange is present and is in good condition		$1,864
G2050 Landscaping, no obstructions/hiding spots	MAIN ENTRY - LAKESIDE. THERE ARE 2 ENTRANCES TO THE MAIN LOBBY/ COMMONS	Critical	2	ALLO	NO HIDING PLACES APPROACHING THE FRONT ENTRIES, BUT THE ENTRIES ARE BUMPED OUT AND A PERSON COULD HIDE ON THE SIDES OR LOW IN THE BUSHES	1978	$62,149
G30-Site Utilities							**$186,446**
G3010 Water Supply	Boiler Room	Critical	1	LPSM	Water Main rusting bad, leaking bad too. Fills up a bucket a school day.	1980	$186,446
G3020 Sanitary Sewer	Exits SE corner of building.	Future	1	LPSM	Municipal. No issues reported. Has sanitary lift station, new controls installed in 2018.	1980	
G40-Site Electrical							**$0**

	G4020 Site Lighting	Parking lot, entry drive	Future	6	EACH	Site Lighting is all LED and in good condition.	2018	
Total Costs								**$8,313,987**

BUILDING DATA – MUNISING PUBLIC SCHOOLS

Table 2 – Building FCA Summary Data: WILLIAM G. MATHER ELEMENTARY SCHOOL

Building Category	Sub-Category	Critical (1-3 yrs)	Near Term (4-6 yrs)	Long Term (7-9 yrs)	Total
A-Substructure					
	A10-Foundation	$12,430	$0	$0	$12,430
	A20-Basement	$31,074	$0	$0	$31,074
	Substructure Subtotal	$43,504	$0	$0	$43,504
B-Shell					
	B10-Superstructure	$832,793	$908,815	$1,022,294	$2,763,902
	B20-Exterior Closure	$2,913,564	$78,298	$0	$2,991,862
	B30-Roofing	$0	$0	$0	$0
	Shell Subtotal	$3,746,357	$987,113	$1,022,294	$5,755,764
C-Interiors					
	C10-Interior Construction	$762,130	$0	$956,238	$1,718,368
	C20-Staircases	$49,719	$0	$0	$49,719
	Interiors Subtotal	$811,849	$0	$956,238	$1,768,087
D-Services					
	D10-Conveying Systems	$0	$0	$0	$0
	D20-Plumbing	$234,661	$10,486	$357,142	$602,290
	D30-HVAC	$1,910,204	$1,850,628	$0	$3,760,831
	D40-Fire Protection	$0	$607,033	$0	$607,033
	D50-Electrical	$564,233	$75,879	$898,596	$1,538,708
	Services Subtotal	$2,709,098	$2,544,026	$1,255,738	$6,508,862
E-Equipment & Furnishings					
	E10-Equipment	$34,803	$489,362	$0	$524,165
	E20-Furnishings	$154,750	$0	$0	$154,750
	Equipment & Furnishings Subtotal	$189,554	$489,362	$0	$678,916
F-Special Construction & Demo					
	F10-Special Construction	$0	$0	$0	$0
	Special Construction & Demo Subtotal	$0	$0	$0	$0
G-Building Sitework					
	G20-Site Improvements	$38,507	$6,571	$0	$45,079
	G30-Site Utilities	$0	$0	$629,104	$629,104
	G40-Site Electrical	$149,157	$0	$0	$149,157
	Building Sitework Subtotal	$187,664	$6,571	$629,104	$823,340
WILLIAM G. MATHER ELEMENTARY SCHOOL TOTAL		**$7,688,025**	**$4,027,073**	**$3,863,374**	**$15,578,472**

BUILDING DATA – MUNISING PUBLIC SCHOOLS

Table 3 – Building FCA Observation Detail: WILLIAM G. MATHER ELEMENTARY SCHOOL

Building Category	Sub-Category	Component	Location	Assessment	Quantity	Unit	Observation Notes	Age	Observation Cost
A-Substructure									$43,504
	A10-Foundation								**$12,430**
		A1010 Foundations	perimeter of biulding	Future	750	LNFT	no issues	1922	
		A1010 Foundations	northwest end classroom of building	Critical	100	LNFT	groundwater occasionally seeps in to north end of building where foundations are on bedrock. one classroom and portion of hallway usually affected	1922	$12,430
		A1030 Slab on Grade	basement & sub-basement	Future	26,000	SQFT	no issues	1922	
	A20-Basement								**$31,074**
		Tunnels	sub-basement, boiler room	Critical	100	LNFT	very poor conditions. Half of the basement level is abandoned, including the pool. the boiler room and old coal room are in bad condition	1922	$31,074
B-Shell									$5,755,764
	B10-Superstructure								**$2,763,902**
		B1010 Floor Construction	first floor framing	Long-Term	26,000	SQFT	no issues - original wood stud framing	1922	$1,022,294
		B1010 Floor Construction		Critical	26,000	SQFT	good conditions excepting corridors, which are terrazzo and have cracks in them. leaking plumbing piping seeps through floor to ceilings below. most ceiling below floor framing are plaster enclosed.	1922	$807,934
		B1010 Floor Construction	second floor framing	Near-Term	26,000	SQFT	x	1922	$908,815
		B1010 Floor Construction	2 bathrooms off gym balcony	Critical	800	SQFT	poor conditions at wood board flooring over wood floor framing in bathrooms in current use. foul smells and rotting flooring at toilets	1922	$24,859
		B1020 Roof Construction	roof framing	Future	26,012	SQFT	good condition. original steel trusses and wood stud framing, along with structural wood stud wall reinforcing in 2018	1922	
	B20-Exterior Closure								**$2,991,862**
		B2010 Exterior Walls (brick)		Critical	38,250	SQFT	BRICKS ARE IN GOOD CONDITION, MORTARING IS IN POOR CONDITION WITH MULTIPLE AREAS OF JOINT FAILURE AND SOME BRICKS FALLING OUT, ESPECIALLY AT CHIMNEY	1922	$2,614,908
		B2016 Exterior Soffits	roof - soffits over mechanical louvers	Critical	80	SQFT	concrete caps are falling aoart and interior reinforcing is exposed and rusting out	1922	$2,486
		B2016 Exterior Soffits		Critical	75	SQFT	plaster ceiling at exterior soffit is decayed` and shows water leakage from walls	1922	$2,331
		B2020 Exterior Windows		Critical	2,400	SQFT	all windows in poor condition, some rooms in basement with boarded over single pane metal window. less than 1/4 will open	1922	$283,398
		B2030 Exterior Doors, FRP/aluminum		Near-Term	8	EACH	newer hardware on aging doors	2018 updated hardware	$78,298
		B2030 Exterior Doors, hollow metal	Boiler Room	Critical	2	EACH	needs replacement with updated hardware		$8,701
		B2030 Exterior Doors, numbered		Critical	6	EACH	no numbering of exterior doors		$1,119
		Knox Box present	main entry	Critical	1	LPSM	no knox box present		$621
		single point of visitor entry	main entry	Future	1	ALLO	no issues		
	B30-Roofing								**$0**
		B3010 Roof Coverings (rubber/epdm)		Future	29,100	SQFT	no issues	2018	
C-Interiors									$1,768,087
	C10-Interior Construction								**$1,718,368**
		C1010 Interior glazing (impact resistant)		Critical	1,400	SQFT	no impact resistant glazing. Lots of original glazing above window from original construction	1922	$870
		C1010 Interior Walls		Critical	3,000	SQFT	POOR CONDITION EXISTING PLASTER ON WOOD STUD WALLS REQUIRES CONSTANT REPAIRS. LIGHT WELLS HAVE BEEN INFILLED AT ROOD, AND ORIGINAL SINGLE PANE WINDOWS ARE PRESNET IN MANY LOCATIONS	1922	$559,339
		C1020 doors (outward opening)		Future	32	EACH	doors swing outward		
		C1020 doors (wood or metal)	throughout school	Long-Term	190	EACH	newer wood doors are in original frames or replaced frames in working condition	1993 & forward	$956,238
		C1020 doors (wood or metal)	basement/1st floor and sub-basment	Critical	36	EACH	doors on basement/1st floor and sub-basment generally in very poor condition. Some doors are original with hardware, some have no hardware, some are falling apart	1922 and 1970's, 1980's	$143,191
		C1023 door hardware, anti-intrusion device		Future	32	EACH	no issues		
		C1023 door hardware, lock from inside classroom		Critical	28	EACH	no interior locking mechanisms		$26,102
		C1035 Interior Signage, code compliant		Critical	75	EACH	new signs from 2018, but not ADA compliant for braille	2018	$32,628
	C20-Staircases								**$49,719**
		C2010 Handrails (code compliant)		Critical	10	EACH	no stairs meet code for handrails	1922	$49,719
D-Services									$6,508,862
	D10-Conveying Systems								**$0**
		D1010 Elevators & Lifts	Vestibule 1088	Future	3	EACH	Good Condition. Installed a few years ago. From basement to Second Floor.	2018	
	D20-Plumbing								**$602,290**
		D2010 Faucet		Future	14	EACH	Battery operated faucets. Installed in 2018. Good condition.	2018	
		D2010 Faucet	Janitors Closets, Boiler Room, Auditorium, art room.	Critical	14	EACH	Very old faucets. Some leaking bad. Need replacement as soon as possible.	Varies	$21,752
		D2010 Faucet	Bathrooms	Future	10	EACH	Older Faucets but still in good condition. Should be replaced down the road though.	Varies	
		D2010 Faucet	Bathrooms	Future	7	EACH	New Faucets. Installed 2018. Good condition.	2018	
		D2010 Flush Valve	Bathrooms	Future	29	EACH	New Flush valves in main bathrooms 2018. All sensored.	2018	
		D2010 Flush Valve	Sub Basement Locker rooms	Critical	5	EACH	5 Flush valves need replacement, old.	Varies	$4,661
		D2010 Sink	Bathrooms	Future	21	EACH	New in 2018. Good condition	2018	
		D2010 Sink	Janitors closets, Boiler Room, Auditorium bathroom.	Critical	14	EACH	Very old sinks. Need replacement as soon as possible.	Varies	$21,752
		D2010 Sink	Bathrooms	Future	10	EACH	Older Sinks but still in good condition. Should be replaced down the road.	Varies	
		D2010 Toilet or Urinal	Bathrooms	Future	16	EACH	No current issues. Older but still good condition.	Varies	
		D2010 Toilet or Urinal	Bathrooms	Future	12	EACH	New toilets/Urinals installed 2018.	2018	
		D2010 Toilet or Urinal	Bathrooms	Near-Term	6	EACH	Toilets need to be replaced in a few years. Minor issues with fixtures.	Varies	$10,486
		D2010 Toilet or Urinal	Bathrooms	Critical	6	EACH	Toilets/Urinals need to be replaced soon. Very old, and have current issues.	Varies	$9,322
		D2018 Drinking Fountain	Throughout Coordiors. Gym.	Future	10	EACH	6 Bottle Fillers. 10 Fountains total. Good condition.	2018/2010	

D2018 Drinking Fountain	2nd Floor, First Floor Cooridors	Critical	4	EACH	4 Drinking fountains are very old or broken.	Varies	$29,831
D2020 Domestic Water Distribution	Throughout School.	Critical	72,360	SQFT	Minor Leaks throughout school. Insufficient capacity, only 1 water heater feeds most of school. Maintenance stated kitchen takes 10/15 mins to get hot water due to location. Some lines 50+ years old.	Varies	$134,912
D2020 hot water heater	Boiler Room	Critical	1	EACH	No current issues, but 20 years old. Bradford White. Only WH for most of school.	2004	$12,430
D2020 hot water heater	Storage 1059	Long-Term	1	EACH	WH is only for a few rooms on basement level. 30 GAL. No issues.	2014	$15,728
D2023 Backflow Preventor	Storage 1068	Future	1	LPSM	No issues reported.		
D2030 Sanitary Waste	Throughout School	Long-Term	72,360	SQFT	Some minor issues reported in the past. Some piping is very old. Some toilets have issues clogging. No current major issues.	Varies	$341,415
D2040 Rain Water Drainage (roof conductors)	Roof	Future	26,012	SQFT	Recently redone with roof. Good condition. Will be cleaned soon by maintenance.	2018	
D30-HVAC							**$3,760,831**
D3020 Heating Generating System (steam)	Boiler Room	Critical	2	EACH	Weil McClain Steam boilers. Installed in 1994. Past end of Useful life and showing signs of leaks.	1994	$745,785
D3022 Hydronic Plumbing	Boiler Room/Throughout school	Near-Term	72,360	SQFT	Some steam piping near radiators are leaking, and main pipe off boiler is leaking bad. Some of this piping is very old.	Varies	$1,011,721
D3030 Cooling Generating System (chiller)	N/A	Critical	1	EACH	School has no cooling system. Rooms get very warm during fall and late spring. Only 4 window mounted condensers for offices and 2 classrooms.	N/A	$435,041
D3030 Cooling Generating System (condensing unit)	Classrooms/Main Offices	Near-Term	4	EACH	Older Window mounted Condensers. These 4 are the only cooling the school has. 2 for Classrooms that teachers had installed, and 2 for offices.		$279,636
D3040 Exhaust fans	Toilet rooms besides main office toilet room	Near-Term	15	EACH	No exhaust fans, smell bad		$104,863
D3040 Exhaust fans	Main office bathrooms	Future	2	EACH	2 new exhaust fans in office bathrooms.	2018	
D3050 air handling unit (AHU)	Mechanical Room	Critical	2	EACH	25+ years old. Have not been used in years. May or may not be functional. Maintenance is not sure the last time they were turned on. These fed Gym and Auditorium. No airflow throughout entire building.	1993	$186,446
D3050 air handling unit (AHU)	Storage 1059	Critical	1	EACH	Very Old Trane "Climate Changer" AHU. Needs replacement. Only feeds a few rooms basement level.	1920's?	$93,223
D3050 unit heater	Classrooms, hallways, stairs, toilet rooms	Near-Term	65	EACH	Old, some are leaking		$454,408
D3060 Controls & Instrumentation	Mechanical 1070	Critical	72,360	SQFT	School still runs on Pneumatic controls and thermostats on steam radiators.	1994	$449,708
D40-Fire Protection							**$607,033**
D4010 Sprinklers	N/A	Near-Term	72,360	SQFT	School does not have sprinkler system.	N/A	$607,033
D4030 Fire Extinguishers		Future	10	EACH	no issues		
D50-Electrical							**$1,538,708**
D5010 Electrical panels	Throughout School.	Critical	16	EACH	A few panels are newer but most are very old, 1970's era and older. Some have major issues and are not labeled.	Varies. 1950's - 1990's	$298,314
D5010 Electrical Service & Distribution	Maintenance Office	Long-Term	1	ALLO	1200A main service panel installed in 1990's. Good condition. Will need to be replaced down the road.	1990	$471,828
D5020 Exit & Emergency Lighting	1st and 2nd Floor	Future	42,310	SQFT	Emergency lighting on top two floors redone in 2018.	2018	
D5020 Exit & Emergency Lighting	Basement and Sub Basement	Critical	30,050	SQFT	Emergency lighting is poor on these two levels. A few exit lights but lighting and hallways down here are dark, does not meet current code.	Varies	$28,014
D5020 exterior building lighting	Exterior of Building	Critical	7	EACH	Lighting levels are Poor. Only counted 7 exterior building lights. Not LED.	Varies	$13,051
D5031 mass notification system	Main Office	Near-Term	72,360	SQFT	Office announces over PA for any emergency	2018	$75,879
D5037 Fire Alarm System	Main Office	Long-Term	72,360	SQFT	Edwards. School states minor issues with fire alarm system, has been fixed multiple times, but is only 6 years old.	2018	$369,866
D5038 access control	Exterior Doors	Future	2	EACH	2 Exterior doors have access control out of 5 entrances.	2018	
D5038 intrusion detection system	N/A	Critical	72,360	SQFT	School does not have a burglar alarm system.	N/A	$22,485
D5038 security cameras (exterior)	Exterior of Building	Critical	72,360	SQFT	Only 3 exterior cameras. Two cover the playground side of building, one covers west side but poor coverage. No coverage on North or east side of building near entrances.	2018	$22,485
D5038 security cameras (interior)	Throughout School	Long-Term	72,360	SQFT	Maintenance states roughly 70% interior coverage. Needs upgrade in future. Basement level has poor coverage due to lighting and not enough cameras.	2018	$56,902
D5039 Local Area Network	IT room	Future	72,360	SQFT	No issues reported. Good condition.	2018	
D5090 Emergency generator	N/A	Critical	72,360	SQFT	No emergency Generator.	N/A	$179,883
E-Equipment & Furnishings							**$678,916**
E10-Equipment							**$524,165**
E1020 Gym Backboards	gymnasium	Critical	4	EACH	all mounting brackets in poor shape or broken. One is strapped up with cargo strap		$34,803
E1023 Auditoriums	floor above gymnasium	Near-Term	1	ALLO	historical auditorium in good condition. historical seating reconditioned in 2018. lighting is not sufficient ??	1922	$349,544
E1090 Kitchens	Kitchen	Near-Term	1	ALLO	Makeshift kitchen with Warmers/Coolers and one sink for cleaning. No dishwasher. Food is cooked at High School and driven over to elementary. No airflow.		$139,818
E20-Furnishings							**$154,750**
E2013 Window Treatment		Future	122	EACH	no issues	2018	
E2013 Window Treatment	art room - first floor	Critical	6	EACH	No window treatments in room. Gets very hot when sunny		$5,593
E2015 Fixed Seating (gym bleachers)	original balcony of recessed gymnasium	Critical	600	EACH	Concrete formed seating integral to sloped floor system on balcony on 3 sides of original gym. Not up to code??	1922	$149,157
F-Special Construction & Demo							**$0**
F10-Special Construction							**$0**
F1040 Aquatic Facilities	Pool Room	Future	1	ALLO	Pool is not used anymore. Used for Storage now. All pool equipment has been removed.		
G-Building Sitework							**$823,340**
G20-Site Improvements							**$45,079**
barricade at entry	main entry	Critical	1	ALLO	no barricade	1922	$12,430
Frost Slab / Stoop	exterior doors	Future	4	EACH	no issues	1922	
G2020 ADA parking space	main entry	Critical	1	EACH	only one ADA parking space on public street		$621
G2030 ADA accessible route	main entry	Future	1	ALLO	no issues		

G2041 Fencing, around mechanical & electrical equipment	Near SE corner of building.	Near-Term	50	LNFT	No fencing around transformer, but bollards in place. Would need approx. 50 LNFT.	N/A	$4,474
G2041 Fencing, around playground	north end of playground near street and parking	Critical	640	LNFT	fence is short in height. No fence enclosure on north end which is facing the street. Only 3 sides of fencing		$25,456
G2044 Signage, directional (staff, student, parent, visitor)	three sides of school - on public street	Near-Term	1	EACH	partial signage, Schools is located on edge of residential and commercial area. parking is minimal.		$2,097
G2045 playground surface	lot across street from school	Future	14,000	SQFT	no issues		
G2050 Landscaping, no obstructions/hiding spots	main entry	Future	1	ALLO	no issues	1922	
G30-Site Utilities							**$629,104**
G3010 Water Supply	Mechanical 1070	Long-Term	1	LPSM	Water is Municipal, has had minor issues in the past. Some parts of water main entrance have been replaced through the years.		$235,914
G3020 Sanitary Sewer	Leaves	Long-Term	1	LPSM	Municipal. No current issues reported, but parts of sanitary lines replaced in the past. Some piping is very old.	Varies	$393,190
G40-Site Electrical							**$149,157**
G4020 Site Lighting	Exterior of Building/Parking Lot/Playground	Critical	15	EACH	No site lighting. a few public street lights, but no lighting around entire building. No lighting around playground.	N/A	$149,157
Total Costs							**$15,578,472**