Building Information - Plain Local (49932) - Middlebranch Elementary

Program Type	Expedited Local Partnership Program (ELPP)
Setting	Small City
Assessment Name	Middlebranch Elementary (008304)
Assessment Date (on-site; non-EEA)	2024-05-30
Kitchen Type	Full Kitchen
Cost Set:	2024
Building Name	Middlebranch Elementary
Building IRN	8304
Building Address	7500 Middlebranch Ave NE
Building City	North Canton
Building Zipcode	44721
Building Phone	330-491-3750
Acreage	28.54
Current Grades:	K-4
Teaching Stations	29
Number of Floors	3
Student Capacity	564
Current Enrollment	530
Enrollment Date	2024-06-07
Enrollment Date is the date in which the current enrollment was taken.	
Number of Classrooms	27
Historical Register	**NO**
Building's Principal	Ms. Jennifer Moff
Building Type	Elementary

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Building Pictures - Plain Local(49932) - Middlebranch Elementary(8304)

North elevation photo:



East elevation photo:



South elevation photo:



West elevation photo:



GENERAL DESCRIPTION

71,605 Total Existing Square Footage
1931,1952,1960 Building Dates
K-4 Grades
530 Current Enrollment
29 Teaching Stations
28.54 Site Acreage

Middlebranch Elementary, which is not on the National Register of Historic Buildings, and originally constructed in 1931, is a 3 story, 71,605 square foot brick school building located in a suburban residential setting. The existing facility features a conventionally partitioned design and does not utilize modular buildings. The structure of the 1931 Original Construction contains brick veneer on load bearing masonry type exterior wall construction, with painted block, glazed block, brick and gypsum type wall construction in the interior. The floor system consists of concrete slab on grade. The roof structure is a steel type construction. The roofing system of the Original Construction is a PVC System installed in 1960. The structure of the 1952 Addition contains brick veneer on load bearing masonry type exterior wall construction, with painted block, glazed block, brick and gypsum type wall construction in the interior. The floor system consists of concrete slab on grade. The roof structure is steel type construction. The roofing system of the 1952 Addition is a Tar and Gravel system installed in 1960. The structure of the 1960 Addition contains brick veneer on load bearing masonry type exterior wall construction, with painted block, glazed block, brick and gypsum type wall construction in the interior. The floor system consists of concrete slab on grade. The roof structure is a steel type construction. The roofing system of the 1960 Addition is a BUR System installed in 2007, a PVC system installed in 1960 and a Tar and Gravel system installed in 1960. The ventilation system of the building is inadequate to meet the needs of the users. The Classrooms are adequately sized in terms of the current standards established by the State of Ohio. Physical Education and Student Dining spaces consist of one Gymnasium and separate Student Dining. The electrical system for the facility is inadequate. The facility is equipped with a non-compliant security system. The building has a compliant automatic and manual fire alarm system. The facility is not equipped with an automated fire suppression system. The building is reported to contain asbestos. The overall building is not compliant with ADA accessibility requirements. The school is located on a 27.36 acre site adjacent to residential properties. The property and playgrounds / play areas athletic facilities are not fenced for security. Access onto the site is unrestricted. Site circulation is fair. There is dedicated space for school buses to load and unload on the site. Parking for staff, visitors and community events is adequate.

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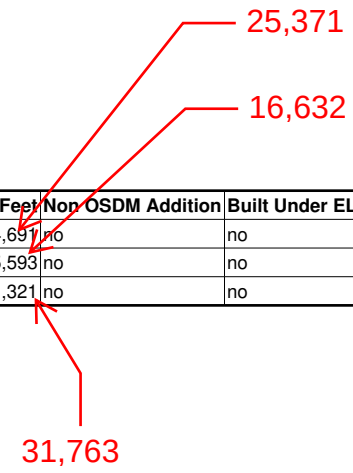
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Building Construction Information - Plain Local (49932) - Middlebranch Elementary (8304)

Name	Year	Handicapped Access	Floors	Square Feet	Non-OSDM Addition	Built Under ELPP
Original Construction	1931	yes	4	24,691	no	no
Cafeteria & Classroom Addition	1952	yes	2	15,593	no	no
Gymnasium & Classroom Addition	1960	yes	2	31,321	no	no

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Building Component Information - Plain Local (49932) - Middlebranch Elementary (8304)

Addition	Auditorium Fixed Seating	Corridors	Agricultural Education Lab	Primary Gymnasium	Media Center	Vocational Space	Student Dining	Kitchen	Natatorium	Indoor Tracks	Adult Education	Board Offices	Outside Agencies	Auxiliary Gymnasium
Original Construction (1931)		2781			1670									
Cafeteria & Classroom Addition (1952)		2634					3223	1183						
Gymnasium & Classroom Addition (1960)		4507		6547										
Total	0	9,922	0	6,547	1,670	0	3,223	1,183	0	0	0	0	0	0

Master Planning Considerations	Due to the close proximity of single-family homes surrounding the site, the playground and sport fields to the East of the site and a walking trail to the North and East of the site, building expansion is not recommended for future master planning.

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Existing CT Programs for Assessment

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Program Type	Program Name	Related Space	Square Feet	Housed In
No Records Found				

Legend:

Not in current design manual

In current design manual but missing from assessment

Building Summary - Middlebranch Elementary (8304)

District:	Plain Local	**County:**	Stark	**Area:**	East Central Ohio (7)
Name:	Middlebranch Elementary	**Contact:**	Ms. Jennifer Moff		
Address:	7500 Middlebranch Ave NE	**Phone:**	330-491-3750		
	North Canton,OH 44721	**Date Prepared:**	2024-05-30	**By:**	Julie Apt
Bldg. IRN:	8304	**Date Revised:**	2025-01-09	**By:**	Julie Apt

Current Grades	K-4	Acreage:	28.54
Proposed Grades	N/A	Teaching Stations:	29
Current Enrollment	530	Classrooms:	27
Projected Enrollment	N/A		

Addition	Date	HA	Number of Floors	Current Square Feet
Original Construction	1931	yes	4	24,691
Cafeteria & Classroom Addition	1952	yes	2	15,593
Gymnasium & Classroom Addition	1960	yes	2	31,321
Total				**71,605**

*HA	=	Handicapped Access
*Rating	=1	Satisfactory
	=2	Needs Repair
	=3	Needs Replacement
*Const P/S	=	Present/Scheduled Construction

	FACILITY ASSESSMENT Cost Set: 2024	Rating	Dollar Assessment	C
A.	Heating System	3	$4,639,287.95	-
B.	Roofing	3	$1,473,360.96	-
C.	Ventilation / Air Conditioning	3	$42,280.75	-
D.	Electrical Systems	3	$2,668,002.30	-
E.	Plumbing and Fixtures	3	$731,076.07	-
F.	Windows	3	$994,797.97	-
G.	Structure: Foundation	1	$0.00	-
H.	Structure: Walls and Chimneys	2	$428,642.94	-
I.	Structure: Floors and Roofs	1	$0.00	-
J.	General Finishes	3	$3,259,352.30	-
K.	Interior Lighting	3	$602,914.10	-
L.	Security Systems	3	$357,308.95	-
M.	Emergency/Egress Lighting	3	$93,086.50	-
N.	Fire Alarm	3	$278,543.45	-
O.	Handicapped Access	3	$122,735.04	-
P.	Site Condition	3	$819,008.33	-
Q.	Sewage System	3	$284,271.85	-
R.	Water Supply	3	$627.98	-
S.	Exterior Doors	3	$71,260.64	-
T.	Hazardous Material	3	$279,206.31	-
U.	Life Safety	3	$362,470.81	-
V.	Loose Furnishings	3	$766,889.55	-
W.	Technology	3	$1,206,544.25	-
X.	Construction Contingency / Non-Construction Cost	-	$4,759,430.18	-
Total			$24,241,099.18	

Suitability Appraisal Summary

Section	Points Possible	Points Earned	Percentage	Rating Category
Cover Sheet	—	—	—	—
1.0 The School Site	100	78	78%	Satisfactory
2.0 Structural and Mechanical Features	200	104	52%	Borderline
3.0 Plant Maintainability	100	50	50%	Borderline
4.0 Building Safety and Security	200	114	57%	Borderline
5.0 Educational Adequacy	200	129	65%	Borderline
6.0 Environment for Education	200	116	58%	Borderline
LEED Observations	—	—	—	—
Commentary	—	—	—	—
Total	1000	591	59%	Borderline

Enhanced Environmental Hazards Assessment Cost Estimates

C=Under Contract	
Renovation Cost Factor	103.18%
Cost to Renovate (Cost Factor applied)	$25,011,966.14

The Replacement Cost Per SF and the Renovate/Replace ratio are only provided when this summary is requested from a Master Plan.

Supporting Documents

Middlebranch ES_Composite.pdf (view) 2025-01-08 15:43:06 (599.6 kB) //

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Original Construction (1931) Summary

District:	Plain Local	**County:**	Stark **Area:** East Central Ohio (7)
Name:	Middlebranch Elementary	**Contact:**	Ms. Jennifer Moff
Address:	7500 Middlebranch Ave NE North Canton,OH 44721	**Phone:**	330-491-3750
		Date Prepared:	2024-05-30 **By:** Julie Apt
Bldg. IRN:	8304	**Date Revised:**	2025-01-09 **By:** Julie Apt

Current Grades	K-4	Acreage:	28.54
Proposed Grades	N/A	Teaching Stations:	29
Current Enrollment	530	Classrooms:	27
Projected Enrollment	N/A		

Addition	Date	HA	Number of Floors	Current Square Feet
Original Construction	**1931**	**yes**	**4**	**24,691**
Cafeteria & Classroom Addition	1952	yes	2	15,593
Gymnasium & Classroom Addition	1960	yes	2	31,321
Total				**71,605**

*HA	=	Handicapped Access
*Rating	=1	Satisfactory
	=2	Needs Repair
	=3	Needs Replacement
*Const P/S	=	Present/Scheduled Construction

	FACILITY ASSESSMENT Cost Set: 2024	Rating	Dollar Assessment	C
A.	Heating System	3	$1,599,729.89	-
B.	Roofing	3	$493,737.78	-
C.	Ventilation / Air Conditioning	3	$18,823.75	-
D.	Electrical Systems	3	$919,986.66	-
E.	Plumbing and Fixtures	3	$270,370.00	-
F.	Windows	3	$398,130.82	-
G.	Structure: Foundation	1	$0.00	-
H.	Structure: Walls and Chimneys	2	$150,998.83	-
I.	Structure: Floors and Roofs	1	$0.00	-
J.	General Finishes	3	$1,118,801.88	-
K.	Interior Lighting	3	$207,898.22	-
L.	Security Systems	3	$123,208.09	-
M.	Emergency/Egress Lighting	3	$32,098.30	-
N.	Fire Alarm	3	$96,047.99	-
O.	Handicapped Access	3	$57,467.99	-
P.	Site Condition	3	$747,268.82	-
Q.	Sewage System	3	$98,023.27	-
R.	Water Supply	3	$627.98	-
S.	Exterior Doors	3	$9,717.36	-
T.	Hazardous Material	3	$84,596.87	-
U.	Life Safety	3	$134,468.77	-
V.	Loose Furnishings	3	$264,440.61	-
W.	Technology	3	$416,043.35	-
X.	Construction Contingency / Non-Construction Cost	-	$1,769,361.36	-
Total			$9,011,848.59	

Suitability Appraisal Summary

Section	Points Possible	Points Earned	Percentage	Rating Category
Cover Sheet	—	—	—	—
1.0 The School Site	100	78	78%	Satisfactory
2.0 Structural and Mechanical Features	200	104	52%	Borderline
3.0 Plant Maintainability	100	50	50%	Borderline
4.0 Building Safety and Security	200	114	57%	Borderline
5.0 Educational Adequacy	200	129	65%	Borderline
6.0 Environment for Education	200	116	58%	Borderline
LEED Observations	—	—	—	—
Commentary	—	—	—	—
Total	1000	591	59%	Borderline

Enhanced Environmental Hazards Assessment Cost Estimates

C=Under Contract	
Renovation Cost Factor	103.18%
Cost to Renovate (Cost Factor applied)	$9,298,425.37

The Replacement Cost Per SF and the Renovate/Replace ratio are only provided when this summary is requested from a Master Plan.

Cafeteria & Classroom Addition (1952) Summary

District:	Plain Local	**County:**	Stark **Area:** East Central Ohio (7)
Name:	Middlebranch Elementary	**Contact:**	Ms. Jennifer Moff
Address:	7500 Middlebranch Ave NE North Canton,OH 44721	**Phone:**	330-491-3750
		Date Prepared:	2024-05-30 **By:** Julie Apt
Bldg. IRN:	8304	**Date Revised:**	2025-01-09 **By:** Julie Apt

Current Grades	K-4	Acreage:	28.54
Proposed Grades	N/A	Teaching Stations:	29
Current Enrollment	530	Classrooms:	27
Projected Enrollment	N/A		

Addition	Date	HA	Number of Floors	Current Square Feet
Original Construction	1931	yes	4	24,691
Cafeteria & Classroom Addition	**1952**	**yes**	**2**	**15,593**
Gymnasium & Classroom Addition	1960	yes	2	31,321
Total				**71,605**

*HA	=	Handicapped Access
*Rating	=1	Satisfactory
	=2	Needs Repair
	=3	Needs Replacement
*Const P/S	=	Present/Scheduled Construction

	FACILITY ASSESSMENT Cost Set: 2024	Rating	Dollar Assessment	C
A.	Heating System	3	$1,010,270.47	-
B.	Roofing	3	$338,850.78	-
C.	Ventilation / Air Conditioning	3	$7,796.50	-
D.	Electrical Systems	3	$580,995.18	-
E.	Plumbing and Fixtures	3	$163,333.46	-
F.	Windows	3	$294,692.44	-
G.	Structure: Foundation	1	$0.00	-
H.	Structure: Walls and Chimneys	2	$57,537.35	-
I.	Structure: Floors and Roofs	1	$0.00	-
J.	General Finishes	3	$700,890.12	-
K.	Interior Lighting	3	$131,293.06	-
L.	Security Systems	3	$77,809.07	-
M.	Emergency/Egress Lighting	3	$20,270.90	-
N.	Fire Alarm	3	$60,656.77	-
O.	Handicapped Access	3	$34,475.83	-
P.	Site Condition	3	$24,177.43	-
Q.	Sewage System	3	$61,904.21	-
R.	**Water Supply**	**3**	**$0.00**	-
S.	Exterior Doors	3	$19,434.72	-
T.	Hazardous Material	3	$121,302.84	-
U.	Life Safety	3	$75,781.98	-
V.	Loose Furnishings	3	$167,001.03	-
W.	Technology	3	$262,742.05	-
X.	Construction Contingency / Non-Construction Cost	-	$1,028,812.75	-
Total			$5,240,028.94	

Suitability Appraisal Summary

Section	Points Possible	Points Earned	Percentage	Rating Category
Cover Sheet	—	—	—	—
1.0 The School Site	100	78	78%	Satisfactory
2.0 Structural and Mechanical Features	200	104	52%	Borderline
3.0 Plant Maintainability	100	50	50%	Borderline
4.0 Building Safety and Security	200	114	57%	Borderline
5.0 Educational Adequacy	200	129	65%	Borderline
6.0 Environment for Education	200	116	58%	Borderline
LEED Observations	—	—	—	—
Commentary	—	—	—	—
Total	1000	591	59%	Borderline

Enhanced Environmental Hazards Assessment Cost Estimates

C=Under Contract	
Renovation Cost Factor	103.18%
Cost to Renovate (Cost Factor applied)	$5,406,661.86

The Replacement Cost Per SF and the Renovate/Replace ratio are only provided when this summary is requested from a Master Plan.

Gymnasium & Classroom Addition (1960) Summary

District:	Plain Local	**County:**	Stark **Area:** East Central Ohio (7)
Name:	Middlebranch Elementary	**Contact:**	Ms. Jennifer Moff
Address:	7500 Middlebranch Ave NE North Canton,OH 44721	**Phone:**	330-491-3750
		Date Prepared:	2024-05-30 **By:** Julie Apt
Bldg. IRN:	8304	**Date Revised:**	2025-01-09 **By:** Julie Apt

Current Grades	K-4	Acreage:	28.54
Proposed Grades	N/A	Teaching Stations:	29
Current Enrollment	530	Classrooms:	27
Projected Enrollment	N/A		

Addition	Date	HA	Number of Floors	Current Square Feet
Original Construction	1931	yes	4	24,691
Cafeteria & Classroom Addition	1952	yes	2	15,593
Gymnasium & Classroom Addition	**1960**	**yes**	**2**	**31,321**
Total				**71,605**

*HA	=	Handicapped Access
*Rating	=1	Satisfactory
	=2	Needs Repair
	=3	Needs Replacement
*Const P/S	=	Present/Scheduled Construction

	FACILITY ASSESSMENT Cost Set: 2024	Rating	Dollar Assessment	C
A.	Heating System	3	$2,029,287.59	-
B.	Roofing	3	$640,772.40	-
C.	Ventilation / Air Conditioning	3	$15,660.50	-
D.	Electrical Systems	3	$1,167,020.46	-
E.	Plumbing and Fixtures	3	$297,372.61	-
F.	Windows	3	$301,974.71	-
G.	Structure: Foundation	1	$0.00	-
H.	Structure: Walls and Chimneys	2	$220,106.76	-
I.	Structure: Floors and Roofs	1	$0.00	-
J.	General Finishes	3	$1,439,660.30	-
K.	Interior Lighting	3	$263,722.82	-
L.	Security Systems	3	$156,291.79	-
M.	Emergency/Egress Lighting	3	$40,717.30	-
N.	Fire Alarm	3	$121,838.69	-
O.	Handicapped Access	3	$30,791.22	-
P.	Site Condition	3	$47,562.08	-
Q.	Sewage System	3	$124,344.37	-
R.	**Water Supply**	**3**	**$0.00**	-
S.	Exterior Doors	3	$42,108.56	-
T.	Hazardous Material	3	$73,306.60	-
U.	Life Safety	3	$152,220.06	-
V.	Loose Furnishings	3	$335,447.91	-
W.	Technology	3	$527,758.85	-
X.	Construction Contingency / Non-Construction Cost	-	$1,961,256.08	-
Total			$9,989,221.66	

Suitability Appraisal Summary

Section	Points Possible	Points Earned	Percentage	Rating Category
Cover Sheet	—	—	—	—
1.0 The School Site	100	78	78%	Satisfactory
2.0 Structural and Mechanical Features	200	104	52%	Borderline
3.0 Plant Maintainability	100	50	50%	Borderline
4.0 Building Safety and Security	200	114	57%	Borderline
5.0 Educational Adequacy	200	129	65%	Borderline
6.0 Environment for Education	200	116	58%	Borderline
LEED Observations	—	—	—	—
Commentary	—	—	—	—
Total	1000	591	59%	Borderline

Enhanced Environmental Hazards Assessment Cost Estimates

C=Under Contract	
Renovation Cost Factor	103.18%
Cost to Renovate (Cost Factor applied)	$10,306,878.90

The Replacement Cost Per SF and the Renovate/Replace ratio are only provided when this summary is requested from a Master Plan.

A. Heating System

Description: The existing system for the Original Construction is a natural gas fired heated water boiler system, installed in 1931, and is in poor condition. The existing system for the 1952 Cafeteria & Classroom Addition is an extension of that found in the Original Construction, installed in 1952, and in poor condition. The existing system for the 1960 Gymnasium & Classroom Addition is an extension of that found in the Original Construction, installed in 1960, and in fair to poor condition. 2-pipe vs. 4-pipe designations are not applicable in this facility, as no central air conditioning is provided. The Original Construction is served by 1 rooftop unit, which was installed in 2005 and is in good condition. The 1960 Addition is served by 2 rooftop units, which were installed in 1994 and are in poor condition. The (2) Cast Iron Tube boilers, manufactured by National Crane Co., were installed in 1931 and are in poor condition. The (1) Fin-Tube gas fired boiler, manufactured by National-U.S. Radiator, was installed in 1960 and is in fair to poot condition. Heating water is distributed to terminal units consisting of unit ventilators, cabinet heaters, unit heaters, and air handlers. The terminal equipment was installed in 1931, 1952, and 1960 respectively and is in poor condition. The system does not comply with the 15 CFM per person fresh air requirements of the Ohio Building Code mechanical code and Ohio School Design Manual. The pneumatic and DDC type system temperature controls were installed in 1960 and 2005 respectively and are in fair to poor condition. The system does not feature individual temperature controls in all spaces required by the OSDM. The overall system does not feature any central energy recovery systems. The facility is equipped with minimal louvered interior doors to facilitate Corridor utilization as return air plenums. Louvered doors are replaced in Items J and O. The existing system is not ducted, and floor to structural deck heights will not accommodate the installation of properly sized ductwork for a future Ohio School Design Manual approved system. The overall heating system is evaluated as not being in safe and efficient working order, and long term life expectancy of the existing system is not anticipated. The existing overall heating system is not compliant with LEED requirements. The structure is not equipped with central air conditioning. The site does not contain underground fuel tanks that are currently in use.

Rating: 3 Needs Replacement

Recommendations: Provide new overall Heating, Ventilating, and Air Conditioning systems due to useful lifecycle considerations, varying age and conditions between component parts, and to complete a renovation project with a fully integrated system of unified design to support meeting OBC, OSDM, and LEED requirements. Convert to ducted system to facilitate efficient exchange of conditioned air. Provide architectural soffits to accommodate the installation of ductwork.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
HVAC System Replacement:	$54.42	sq.ft. (of entire building addition)		Required	Required	Required	$3,896,744.10	(includes demo of existing system and reconfiguration of piping layout and new controls, air conditioning)
Convert To Ducted System	$10.37	sq.ft. (of entire building addition)		Required	Required	Required	$742,543.85	(includes costs for vert. & horz. chases, cut openings, soffits, etc. Must be used in addition to HVAC System Replacement if the existing HVAC system is non-ducted)
Sum:			$4,639,287.95	$1,599,729.89	$1,010,270.47	$2,029,287.59		



(2) Cast Iron Tube Gas Fired Heating Water Boilers



Typical Classroom Unit Ventilator

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Provide code required roof insulation, this will require new taller fascia and perimeter blocking throughout.

B. Roofing

Description: The roof over the Original Construction is a PVC System installed in 1960 and is in poor condition. The roof over the 1952 Addition is a Tar and Gravel system installed in 1960 and is in poor condition. The roof over the 1960 Addition is a BUR System that was installed in 2007, and is in poor condition, a Tar and Gravel and PVC system installed in 1960 and is in poor condition. No signs of past leaking were observed during the physical assessment. Access to the roof was gained by access hatch / access ladder that are in poor condition. Fall safety protection cages are not required, are not provided. There were no observations of standing water on the roof. Metal cap flashings and stone copings are in fair to poor condition. Roof storm drainage is addressed through a system of roof drains, which are properly located, and in fair to poor condition. The roof is not equipped with overflow roof drains though they will be required in areas of roof replacement and are not required. No problems requiring attention were encountered with any roof penetrations. There are not any covered walkways attached to this structure.

Rating: 3 Needs Replacement

Recommendations: The roof over the overall facility requires replacement to meet Ohio School Design Manual guidelines due to condition / age of system and projected lifecycle. The flashing and / or coping on the overall facility require replacement due to condition. Due to existing conditions roof drains require replacement.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Membrane (all types / fully adhered):	$20.02	sq.ft. (Qty)		23,109 Required	16,149 Required	31,230 Required	$1,411,169.76	(unless under 10,000 sq.ft.)
Overflow Roof Drains and Piping:	$3,886.95	each		8 Required	4 Required	4 Required	$62,191.20	
Sum:			$1,473,360.96	$493,737.78	$338,850.78	$640,772.40		





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roof insulation to be added - $4.14/sf

additional blocking/fascia due to increased thickness in insulation. $75/lf x 1,474 lf

C. Ventilation / Air Conditioning

Description: The overall facility is not equipped with a central air conditioning system. Window units and isolated room systems consisting of ClimaTemp CT-12 Spot Coolers & packaged RTUs, are provided in Classrooms, Administrative Offices, and Media Center locations. Compliant specialized air conditioning systems are (not) provided for computer / technology infrastructure rooms. The ventilation system in the overall facility consists of unit ventilators, installed in 1952 & 1960 and in fair to poor condition, providing fresh air to Classrooms, and unit ventilators and air handlers, installed in 1952 & 1960 and in fair to poor condition, providing fresh air to other miscellaneous spaces such as Gymnasiums, Student Dining / Media Center. Relief air venting is provided by transfer grilles to Corridors. The ventilation system does not meet the Ohio Building Code 15 CFM per occupant fresh air requirement. The overall system is not compliant with Ohio Building Code and Ohio School Design Manual requirements. The existing overall air conditioning / ventilation system is not compliant with LEED requirements. Dust collection systems are not required in this facility, and no system is provided. The Art program is equipped with a kiln, and existing kiln ventilation is inadequate, and in poor condition. General building exhaust systems for Restrooms, Storage Rooms, Art Rooms, Custodial Closets are inadequately placed, and in poor condition.

Rating: 3 Needs Replacement

Recommendations: Complete replacement of overall HVAC systems is funded in Item A. Replace existing Air Conditioning / Ventilation systems due to useful lifecycle considerations, varying age and conditions between component parts, and to complete a renovation project with a fully integrated system of unified design to support meeting OBC, OSDM, and LEED requirements. Pricing included in Item A. Replace general building exhaust systems located in Art Rooms, Storage Rooms, & Custodial Closets. Replace Art program kiln exhaust system to meet with Ohio Building Code and Ohio School Design Manual requirements.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Kiln Exhaust System:	$6,478.25	each		1 Required			$6,478.25	
Other: General Building Exhaust System	$0.50	sq.ft. (of entire building addition)		Required	Required	Required	$35,802.50	Replace general building exhaust systems
Sum:			$42,280.75	$18,823.75	$7,796.50	$15,660.50		



Air Handler Located Above Stage



Typical Classroom Unit Ventilator & Spot A/C

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D. Electrical Systems

Description: The electrical system provided to the Original Construction is a 208Y/120 volts, 800 amp, 3 phase, 4 wire system installed in 1931, with significant system upgraded in 2005, and is in good to poor condition. The system in the 1952 Cafeteria & Classroom Addition and 1960 Gymnasium & Classroom Addition is an extension of that found in the Original Construction. Power is provided to the school by a multiple utility owned, pole-mounted transformers located on the school site, and in fair condition. The panel system, installed in 1930, and upgraded in 1952 and 1960 is not OSDM-compliant, in fair to poor condition, and cannot be expanded to add additional capacity. The Classrooms are not equipped with adequate electrical outlets. The typical Classroom contains 10 general purpose outlets, 2 dedicated outlets for each Classroom computer, and 2 dedicated outlets for each Classroom television, overhead projector, or SMART board. Some Classrooms are equipped with as many as 16 general purpose outlets, while others are equipped with as few as 8 general purpose outlets. There are not any spaces that have no electrical outlets. The Corridors are not equipped with adequate electrical outlets for servicing. Adequate GFI protected exterior outlets are not provided around the perimeter of the building. The facility is not equipped with an emergency generator. Adequate lightning protection safeguards are not provided. Stage lighting power system including control panel, breakers, and dimmers is inadequately provided, in poor condition and does not meet OSDM requirements. The overall electrical system does not meet Ohio School Design Manual requirements in supporting the current needs of the school, and will be inadequate to meet the facility's future needs.

Rating: 3 Needs Replacement

Recommendations: The entire electrical system requires replacement to meet Ohio School Design Manual guidelines for overall capacity, Classroom capacity, due to condition and age, lack of OSDM-required features, and to accommodate the addition of an air conditioning system. Provide an emergency generator, with funding included in the electrical system replacement. Provide adequate lightning protection safeguards in the overall facility, including associated grounding system, with funding included in the electrical system replacement.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
System Replacement:	$37.26	sq.ft. (of entire building addition)		Required	Required	Required	$2,668,002.30	(Includes demo of existing system. Includes generator for life safety systems. Does not include telephone or data or equipment) (Use items below ONLY when the entire system is NOT being replaced)
Sum:			$2,668,002.30	$919,986.66	$580,995.18	$1,167,020.46		



Main Distribution Panels Located in Mechanical Room



Pole Mounted Transformer

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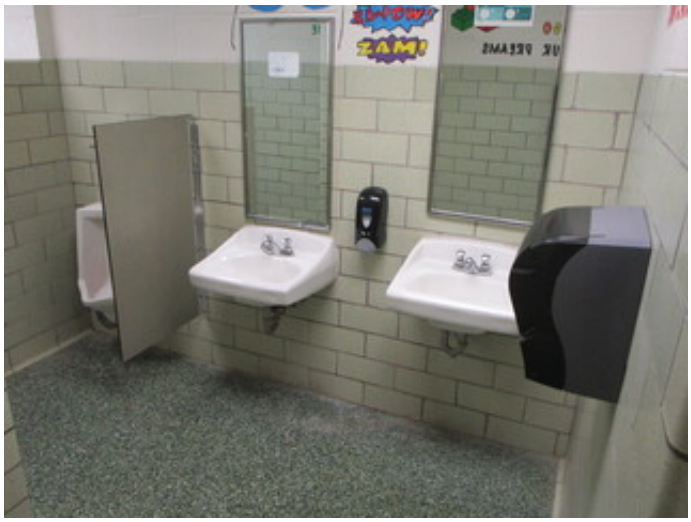
E. Plumbing and Fixtures

Description: The service entrance is equipped with a reduced pressure back flow preventer in fair condition. A water treatment system is not provided. The domestic water supply piping in the overall facility is copper, was installed in 1931 and is in fair to poor condition. The waste piping in the overall facility is cast iron, was installed in 1931 and is in fair to poor condition. The facility is equipped with 1 electric water heater in poor condition, with 1 separate 119 gallon storage tank in poor condition. The school contains 4 Large Group Restrooms for boys, 3 Large Group Restrooms for girls, 1 Locker Room Restrooms for boys, 1 Locker Room Restrooms for girls, 0 Restrooms associated with specialty Classrooms, and 2 Restrooms for staff. The first Boys' Large Group Restroom in the 1952 Addition contains 1 ADA and 1 non-ADA wall mounted flush valve toilets, 2 ADA and 0 non-ADA wall mounted flush valve urinals, as well as 3 ADA and 0 non-ADA wall mounted lavatories. The second Boys' Large Group Restroom in the 1952 Addition contains 0 ADA and 2 non-ADA wall mounted flush valve toilets, 2 ADA and 0 non-ADA wall mounted flush valve urinals, as well as 2 ADA and 0 non-ADA wall mounted lavatories. The third Boys' Large Group in the Original Construction Restroom contains 0 ADA and 2 non-ADA floor mounted flush valve toilets, 0 ADA and 4 non-ADA wall mounted flush valve urinals, as well as 0 ADA and 2 non-ADA countertop lavatories. The fourth Boys' Large Group Restroom in the Original Construction contains 0 ADA and 2 non-ADA floor mounted flush valve toilets, 0 ADA and 4 non-ADA floor mounted flush valve urinals, as well as 2 ADA and 1 wall mounted lavatories. The first Girls' Large Group Restroom in the 1952 Addition contains 1 ADA and 4 non-ADA wall mounted flush valve toilets, as well as 3 ADA and 0 non-ADA wall mounted lavatories. The second Girls' Large Group Restroom in the Original Construction contains 0 ADA and 4 non-ADA floor mounted flush valve toilets, as well as 2 ADA and 0 non-ADA countertop lavatories. The third Girls' Large Group Restroom in the Original Construction contains 0 ADA and 5 non-ADA floor mounted flush valve toilets, as well as 0 ADA and 2 non-ADA countertop lavatories. Boys' Locker Room Restroom in the 1960 Gymnasium Addition contains 0 ADA and 1 non-ADA floor mounted flush valve toilets, 0 ADA and 2 non-ADA wall mounted flush valve urinals, 0 ADA and 2 non-ADA wall mounted lavatories, as well as 0 ADA and 0 non-ADA showers. Girls' Locker Room Restroom in the 1960 Gymnasium Addition contains 0 ADA and 2 non-ADA wall mounted flush valve toilets, as well as 1 ADA and 0 non-ADA wall mounted lavatories, as well as 0 ADA and 0 non-ADA showers. The first Staff Restrooms contains 0 ADA and 1 non-ADA floor mounted flush valve toilets, 0 ADA and 0 non-ADA urinals, as well as 0 ADA and 1 non-ADA wall mounted lavatories. Condition of fixtures is fair to poor. The second Staff Restrooms contains 1 ADA and 0 non-ADA floor mounted flush valve toilets, 0 ADA and 0 non-ADA urinals, as well as 1 ADA and 0 non-ADA wall mounted lavatories. Condition of fixtures is good. The facility is equipped with 1 ADA and 0 non-ADA drinking fountains, as well as 4 ADA and 0 non-ADA electric water coolers, in poor to good condition. The 28 Elementary Classrooms are equipped with 0 ADA and 0 non-ADA sink mounted type drinking fountains. Special Education Classroom is not equipped with the required Restroom facilities. Kitchen is equipped with the required Restroom, and fixtures are in fair condition. Heath Clinic is equipped with the required Restroom, and fixtures are in good condition. Kindergarten / Pre-K Classrooms are not equipped with Restroom facilities. Kitchen fixtures consist of 1 single compartment sink / 0 double compartment sink / 1 triple compartment sink / 1 dishwasher / 1 disposal, which are in fair condition. The Kitchen is not equipped with a satisfactory grease interceptor. The Kitchen is provided the required 140 degree hot water supply. The school does not meet the OBC requirements for fixtures. Relative to LEED requirements, the school is not equipped with low flow type fixtures. Per OBC and OSDM requirements this facility should be equipped with 18 toilets, 6 urinals, 10 lavatories, 28 Classroom sink mounted drinking fountains, and 6 electric water coolers. Observations revealed that the school is currently equipped with 26 toilets, 14 urinals, 22 lavatories, 0 Classroom sink mounted drinking fountains, and 4 electric water coolers. ADA requirements are not met for fixtures and drinking fountains (see Item O). Custodial Closets are properly located and are not all adequately provided with required service sinks or floor drain sinks, which are in poor condition. Art Classrooms are not equipped with satisfactory solids interceptors. Science Classroom / Lab utility sinks, gas connections, compressed air connections, and safety shower / eyewash are not provided, but are not required due to existing grade configuration. Due to existing grade configuration, no Biology or Chemistry Classroom acid waste systems are required. Sufficient quantities of non-freeze, self-draining type exterior wall hydrants of copper / bronze construction with recessed wall box and loose key are not provided. Existing facility features no elevator, so no elevator sump considerations are relevant.

Rating: 3 Needs Replacement

Recommendations: To facilitate the school's compliance with OBC and OFCC fixture requirements, provide 0 new toilets / 0 new lavatories / 0 new urinals / 2 new electric water coolers / 28 new lavatory mounted type drinking fountains. Due to age, condition, LEED, and OFCC requirements, provide 2 new toilets / 0 new lavatories / 6 new urinals / 1 new electric water coolers / 0 new lavatory mounted type drinking fountains. Replace sanitary waste piping and domestic water piping in the overall facility due to age and condition. Provide water treatment system. See Item O for replacement of fixtures related to ADA requirements.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Water Treatment System:	$19,434.75	unit		1 Required			$19,434.75	(Domestic Water System, softening only, per system)
Domestic Supply Piping:	$4.53	sq.ft. (of entire building addition)		Required	Required	Required	$324,370.65	(remove / replace)
Sanitary Waste Piping:	$4.53	sq.ft. (of entire building addition)		Required	Required	Required	$324,370.65	(remove / replace)
Toilet:	$1,943.48	unit		1 Required	1 Required	1 Required	$5,830.44	(remove / replace) See Item O
Urinal:	$1,943.48	unit		4 Required	2 Required	2 Required	$15,547.84	(remove / replace)
Sink:	$1,943.48	unit		3 Required	3 Required	2 Required	$15,547.84	(remove / replace)
Electric water cooler:	$3,886.95	unit		1 Required		1 Required	$7,773.90	(double ADA)
Other: Lavatory Mounted Drinking Fountain	$650.00	per unit		12 Required	16 Required		$18,200.00	(new)
Sum:			$731,076.07	$270,370.00	$163,333.46	$297,372.61		





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F. Windows

Description: The overall facility is equipped with aluminum double glazed insulated type window system, which was installed in 2006, and is in good condition. The window system features operable windows in most of the building, and operable windows are not equipped with neither opening limiters nor insect screens. Window system seals are in good condition, with no air and water infiltration being experienced. Window system hardware is in good condition. The window system features no blinds, but surface-mounted curtains are found in some locations. Aluminum frame curtain wall systems are found in the 1952 Addition, in good condition. There are glass block windows in the Original Construction, in fair condition. The 1952 Addition is equipped with aluminum frame windows with double glazed insulated glazing type window system, which was installed in 2006, and is in good condition. The window system features operable windows throughout the building, and operable windows are equipped with both opening limiters, in good condition, and insect screens, in fair condition. Window system seals are in good condition, with no air and water infiltration being experienced. Window system hardware is in good condition. The window system features surface mounted blinds, which are in fair to good condition. The 1960 Addition is equipped with aluminum frame windows with double glazed insulated glazing type window system, which was installed in 2006, and is in good condition. The window system features operable windows throughout the building, and operable windows are equipped with both opening limiters, in good condition, and insect screens, in fair condition. Window system seals are in good condition, with no air and water infiltration being experienced. Window system hardware is in good condition. The window system features surface mounted blinds, which are in good condition. The exterior doors in the overall facility are equipped with either aluminum or wood frame sidelights and transoms with either tempered double glazed insulated glazing, in fair to good condition or single pane vision panels in fair to good condition. Exterior door vision panels are either tempered double glazed insulated glazing or single pane vision panels sometimes provided with internal wire mesh in fair to good condition. The exterior doors in the 1952 Addition are equipped with aluminum sidelights and transoms with tempered, in good condition. Exterior door vision panels are tempered double glazed insulated glazing. The exterior doors in the 1960 Addition are equipped with either aluminum or wood frame sidelights and transoms with either tempered double glazed insulated glazing or single glazed panels provided with internal wire mesh, in fair to good condition. Exterior door vision panels are either tempered double glazed insulated glazing or single glazed panels provided with internal wire mesh. The school does contain 26 acrylic bubble type skylights in fair to good condition. The school does contain 1 glass block type clerestory, and clerestory windows are in fair condition. Interior glass is OSDM-compliant. Window security grilles are not provided for ground floor windows. There is not a Greenhouse associated with this school.

Rating: 3 Needs Replacement

Recommendations: Provide a new insulated window system with integral blinds to meet Ohio School Design Manual requirements.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Insulated Glass/Panels:	$131.57	sq.ft. (Qty)		3,026 Required	2,004 Required	1,945 Required	$917,700.75	(includes integral blinds and removal of existing windows)
Skylights:	$161.96	sq.ft. (Qty)				261 Required	$42,271.56	(remove and replace)
Storefront System:	$74.50	sq.ft. (Qty)			166 Required	51 Required	$16,166.50	(includes demo of existing and replacement with new)
Curtain Wall System:	$115.18	sq.ft. (Qty)			162 Required		$18,659.16	(includes demo of existing and replacement with new)
Sum:			$994,797.97	$398,130.82	$294,692.44	$301,974.71		





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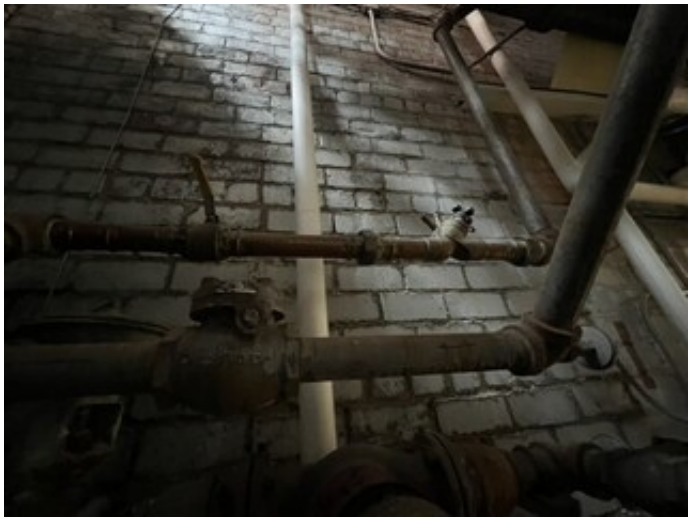
G. Structure: Foundation

Description: The overall facility is equipped with brick masonry foundation walls on concrete footings, which displayed no locations of significant differential settlement, cracking, or leaking, and are in fair to good condition. No significant issues related to foundation cracking or spalling were encountered. The District has not made any reports regarding past leaks. No grading or site drainage deficiencies were noted around the perimeter of the structure that are contributing or could contribute to foundation / wall structural deterioration. The 1952 Addition is equipped with brick masonry foundation walls on concrete footings, which displayed no locations of significant differential settlement, cracking, or leaking, and are in good condition. No significant issues related to foundation cracking or spalling were encountered. The 1960 Addition is equipped with concrete foundation walls on concrete footings, which displayed no locations of significant differential settlement, cracking, or leaking, and are in good condition. No significant issues related to foundation cracking or spalling were encountered.

Rating: 1 Satisfactory

Recommendations: Existing conditions require no renovation or replacement at the present time.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Sum:			$0.00	$0.00	$0.00	$0.00		





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H. Structure: Walls and Chimneys

Description: The overall facility has a brick veneer on load bearing masonry wall system, which displayed locations of deterioration, and is in poor to fair condition. Control joints are not provided at lintel locations, at doors and windows, building corners, and wall offsets though are not needed. The school does not have sufficient expansion joints, and they are in poor condition. The 1960 Addition features cracking and separating of brick masonry due to insufficient expansion joints. The 1952 Addition has a brick veneer on load bearing masonry wall system, which displayed locations of deterioration, and is in fair condition. The 1960 Addition has a brick veneer on load bearing masonry wall system, which displayed locations of deterioration, and is in good condition. Exterior walls in the overall facility are inadequately insulated. Brick veneer masonry walls are not cavity walls. Exterior walls in the 1952 Addition are inadequately insulated. Brick veneer masonry walls are not cavity walls. Exterior walls in the 1960 Addition are inadequately insulated. Brick veneer masonry walls are cavity walls. Weep holes and vents are not provided or required for the original construction and the 1952 Addition. Weep holes are adequately provided for the 1960 Addition and are not rope-type weeps. Vents are provided in the 1960 Addition and are appropriately spaced. The exterior masonry has not been cleaned and sealed in recent years, and shows evidence of mortar deterioration near contact with grade, at lintels and coping, in shade or north-facing areas, and wherever cracking or spalling of brick has occurred. Exterior masonry also has locations of efflorescence and mold. Architectural exterior accent materials consist of stone, metal, and wood, which are in poor to fair condition. Exterior building fenestration in the overall facility represents 25.22% of the exterior surfaces. Exterior building fenestration in the 1952 Addition represents 33.48% of the exterior surfaces. Exterior building fenestration in the 1960 Addition represents 12.22% of the exterior surfaces. The overall facility features 28 unit-ventilators. These will need to be removed and in-filled with appropriate masonry upon the installation of an OSDM compliant HVAC system. Interior Corridor and demising walls are concrete masonry units, glazed block, project full height from floor to bottom of deck, and are in fair to good condition. Interior masonry appears to have adequately spaced and caulked control joints in good condition. Interior soffits are of gypsum board type construction, and in fair to good condition. The windowsills are stone or an element of the aluminum window system, and are in fair to good condition. The exterior lintels are steel, and are fair to good condition. Chimneys are in good condition. Canopies over entrances are plaster type construction, and are in good condition. Exterior soffits are of plaster type construction, and in fair to good condition. The school is not equipped with a loading dock.

Rating: 2 Needs Repair

Recommendations: Provide tuckpointing in all areas of mortar deterioration as required through the overall facility. AND Provide masonry cleaning, sealing, and caulking as required through the overall facility. AND Sawcut and caulk new appropriately spaced control joints in existing masonry in the 1960 Addition. AND Re-caulk existing control joints. AND Re-point stone windowsills through the original construction. AND Exterior wall insulation deficiencies are addressed in Item J.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Tuckpointing:	$9.72	sq.ft. (Qty)		11,195 Required	4,037 Required	13,970 Required	$283,843.44	(wall surface)
Exterior Masonry Cleaning:	$1.95	sq.ft. (Qty)		11,195 Required	4,037 Required	13,970 Required	$56,943.90	(wall surface)
Exterior Masonry Sealing:	$1.30	sq.ft. (Qty)		11,195 Required	4,037 Required	13,970 Required	$37,962.60	(wall surface)
Exterior Caulking:	$9.72	ln.ft.		399 Required	373 Required	930 Required	$16,543.44	(removing and replacing)
Unit Vent infill	$73.90	sq.ft. (Qty)		26 Required	21 Required	13 Required	$4,434.00	Per SF of infill
Install Control Joints	$77.73	ln.ft.				372 Required	$28,915.56	
Sum:			$428,642.94	$150,998.83	$57,537.35	$220,106.76		





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I. Structure: Floors and Roofs

Description: The floor construction of the base floor of the overall facility is concrete slab on grade type construction, and is in fair to good condition. There are tunnels leading from the main mechanical room in the basement story of the Original Construction to the other additions. The floor construction of the base floor of the 1952 Addition is concrete slab on grade type construction, and is in fair to good condition. The floor construction of the base floor of the 1960 Addition is concrete slab on grade type construction, and is in fair to good condition. The floor construction of the intermediate floors of the overall facility is metal form deck on steel joist type construction, and is in good condition. The floor construction of the intermediate floors of the 1952 Addition is metal form deck type construction, and is in good condition. The floor construction of the intermediate floors of the 1960 Addition is metal form deck on steel joist type construction, and is in good condition. Ceiling-to-structural deck spaces are sufficient to accommodate HVAC, electrical, and plumbing scopes of work in required renovations. The roof construction of the overall facility is steel type construction, and is in fair to good condition. The roof construction of the 1952 Addition is steel type construction, and is in good condition. The roof construction of the 1960 Addition is steel type construction, and is in good condition.

Rating: 1 Satisfactory

Recommendations: Existing conditions require no renovation or replacement at the present time.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Sum:			$0.00	$0.00	$0.00	$0.00		





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J. General Finishes

Description: The 1931 Original Construction features conventionally partitioned Classrooms with carpet type flooring, ACT type ceilings, as well as gypsum type wall finishes, and they are in fair condition. The 1952 Addition features conventionally partitioned Classrooms with carpet type flooring, ACT type ceilings, as well as gypsum and painted block type wall finishes, and they are in fair condition. The 1960 Addition features conventionally partitioned Classrooms with carpet type flooring, ACT type ceilings, as well as brick and painted block type wall finishes, and they are in fair condition. The 1931 Original Construction has Corridors with terrazzo type flooring, ACT type ceilings, as well as brick, painted block and gypsum type wall finishes, and they are in fair condition. The 1952 Addition has Corridors with terrazzo and VAT type flooring, plaster type ceilings, as well as brick, painted block and gypsum type wall finishes, and they are in fair condition. The 1960 Addition has Corridors with terrazzo type flooring, ACT type ceilings, as well as brick and painted block type wall finishes, and they are in fair condition. The 1931 Original Construction has Restrooms with terrazzo type flooring, ACT type ceilings, as well as gypsum and tile type wall finishes, and they are in fair to poor condition. Toilet partitions are marble and wood and metal and are in fair condition. The 1952 Addition has Restrooms with terrazzo and VCT type flooring, ACT type ceilings, as well as gypsum and painted and glazed block type wall finishes, and they are in fair to poor condition. Toilet partitions are glazed block and plastic and metal and are in fair to poor condition. The 1960 Addition has Restrooms with terrazzo type flooring, plaster type ceilings, as well as glazed block type wall finishes, and they are in fair to poor condition. Toilet partitions are metal and are in fair condition. Classroom casework in the 1931 Original Construction is wood type construction with plastic laminate tops, is adequately provided, and in fair to poor condition. The typical Classroom contains 9 lineal feet of casework, and Classroom casework provided ranges from 9 to 18 feet. Classrooms are provided adequate markerboards and tackboards which are in fair to good condition. The lockers located in the Corridors are adequately provided, and in poor condition. Classroom casework in the 1952 Addition is wood type construction with plastic laminate tops, is adequately provided, and in fair to poor condition. The typical Classroom contains 15 lineal feet of casework, and Classroom casework provided ranges from 9 to 18 feet. Classrooms are provided adequate markerboards and tackboards which are in fair to good condition. The lockers located in the Corridors are adequately provided, and in poor condition. The cubbies located in the Classrooms are adequately provided and in fair to poor condition. Classroom casework in the 1960 Addition is wood type construction with plastic laminate tops, is adequately provided, and in fair to poor condition. The typical Classroom contains 9 lineal feet of casework, and Classroom casework provided ranges from 9 to 18 feet. Classrooms are provided adequate markerboards and tackboards which are in fair to good condition. The lockers located in the Corridors are adequately provided, and in poor condition. The cubbies located in the Classrooms are adequately provided and in fair to poor condition. The Art program is equipped with a kiln in good condition, and existing kiln ventilation is adequate. The facility is equipped with wood and metal louvered and non-louvered interior doors that are flush mounted and recessed without proper ADA hardware and clearances, and in fair to poor condition. The Gymnasium space has wood type flooring, tectum type ceilings, as well as painted block with wood paneling and brick type wall finishes, and they are in fair to poor condition. Wood Gymnasium flooring has been well maintained, will accommodate multiple future sandings and refinishings, and is rated at a median stage of its product lifecycle. Gymnasium telescoping stands are wood type construction in poor condition. Gymnasium basketball backboards are fixed and electrically operated type, and are in fair condition. The Gymnasium is equipped with adequate Gym Dividers and existing Gym Dividers are in poor condition. The Gymnasium is equipped with adequate wall safety padding and existing wall safety padding is in fair condition. The Media Center, located in the 1931 Original Construction, has carpet type flooring, ACT type ceilings, as well as gypsum type wall finishes, and they are in fair condition. Student Dining, located in the 1931 Original Construction and the 1952 Addition, has VCT type flooring, ACT type ceilings, as well as painted block and gypsum type wall finishes, and they are in fair condition. OSDM-required fixed equipment for Stage is adequately provided, and in fair to good condition. Existing Gymnasium / Student Dining / Media Center / and Music spaces are not provided with appropriate sound attenuation acoustical surface treatments. The existing Kitchen is full service a Warming Kitchen only, is slightly oversized based on current enrollment and is in fair condition. Walk-in cooler and freezer are located within the Kitchen spaces and are in fair condition.

Rating: 3 Needs Replacement

Recommendations: Provide complete replacement of finishes and casework due to age and condition. Provide for lockers or storage cubbies for Classrooms. Provide for the replacement of toilet partitions in the 1931 Original Construction, the 1952 Addition and the 1960 Addition due to age and condition. Provide for new urinal screens. Provide for replacement of interior doors due to age, condition, and lack of proper ADA hardware

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Lockers:	$4.53	sq.ft. (of entire building addition)		Required	Required	Required	$324,370.65	(partial finish - elementary / cubbies per building area)
Complete Replacement of Finishes and Casework (Elementary):	$35.95	sq.ft. (of entire building addition)		Required	Required	Required	$2,574,199.75	(elementary, per building area, with removal of existing)
Toilet Partitions:	$1,606.50	per stall		14 Required	8 Required	3 Required	$40,162.50	(removing and replacing)
Toilet Accessory Replacement	$0.26	sq.ft. (of entire building addition)		Required	Required	Required	$18,617.30	(per building area)
Urinal Screens	$749.70	per unit		6 Required	3 Required	1 Required	$7,497.00	
Door, Frame, and Hardware:	$1,684.34	each		51 Required	30 Required	49 Required	$218,964.20	(non-ADA)
Bleacher Replacement	$142.53	per seat				530 Required	$75,540.90	(based on current enrollment)
Sum:			$3,259,352.30	$1,118,801.88	$700,890.12	$1,439,660.30		

Warming Kitchen - full replacement $145.76sf x 983 sf = $143,282.08





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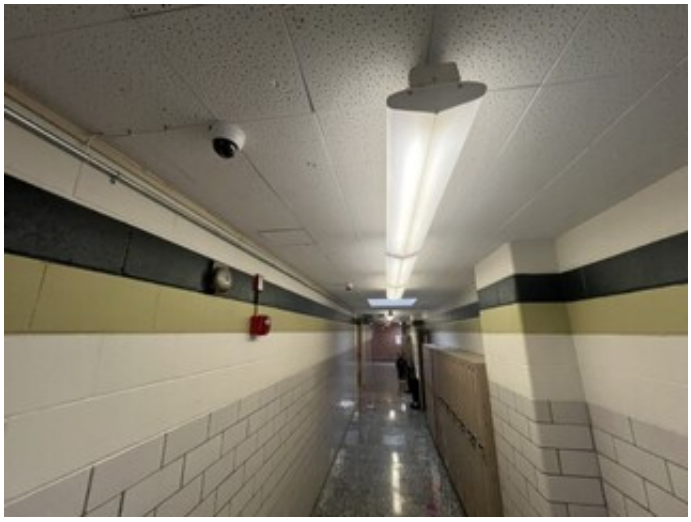
K. Interior Lighting

Description: Daylighting strategies, complemented with photo-cell control of lighting fixtures are not currently featured in the building's design. The typical Classrooms in the overall facility are equipped with T-8 1x4 indirect suspended or 2x4 recessed fluorescent fixtures retrofitted with LED T8 bulbs with dual level switching . Classroom fixtures are in fair to poor condition, providing an average illumination of 48 FC, thus complying with the 40 FC recommended by the OSDM. The typical Corridors in the overall facility are equipped with T-8 1x4 surface mount fluorescent fixtures with single level switching. Corridor fixtures are in poor condition, providing an average illumination of 12 FC, which is less than the 15 FC recommended by the OSDM. The Primary Gymnasium spaces are equipped with T-8 2x4 surface mount fluorescent fixtures type lighting retrofitted with LED T8 bulbs, in fair condition, providing an average illumination of 51 FC, thus complying with the 30 FC recommended by the OSDM. The Media Center is equipped with 2x4 recessed T-8 fluorescent fixture type lighting retrofitted with LED T8 bulbs in fair condition, providing an average illumination of 40 FC, thus complying with the 30 FC recommended by the OSDM. The Student Dining spaces are equipped with 2x4 lay-in T-8 fluorescent fixture type lighting retrofitted with LED T8 bulbs with multi level switching. Student Dining fixtures are in fair condition, providing an average illumination of 63 FC, thus complying with the 40 FC recommended by the OSDM. The Kitchen spaces are equipped with 1x4 indirect suspended T-8 fluorescent fixture type lighting retrofitted with LED T8 bulbs with single level switching. Kitchen fixtures are in fair condition, providing an average illumination of 47 FC, which is less than the 50 FC recommended by the OSDM. The Service Areas in the overall facility are equipped with 1x4 or 2x4 indirect suspendedT-8 fluorescent fixture type lighting in fair to poor condition. The typical Administrative spaces in the overall facility are equipped with x4 lay-in T-8 fluorescent fixture type lighting retrofitted with LED T8 bulbs in fair condition, providing adequate illumination based on OSDM requirements. The overall lighting systems of the facility are not compliant with Ohio School Design Manual requirements due to age and condition, inadequate lighting levels, and lack of multi-level switching.

Rating: 3 Needs Replacement

Recommendations: Provide complete replacement of interior lighting system due to condition, lighting levels, lack of multilevel switching and installation of systems outlined in Items A, C, & D.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Complete Building Lighting Replacement	$8.42	sq.ft. (of entire building addition)		Required	Required	Required	$602,914.10	Includes demo of existing fixtures
Sum:			$602,914.10	$207,898.22	$131,293.06	$263,722.82		



Typical Corridor Lighting



Typical Classroom Lighting

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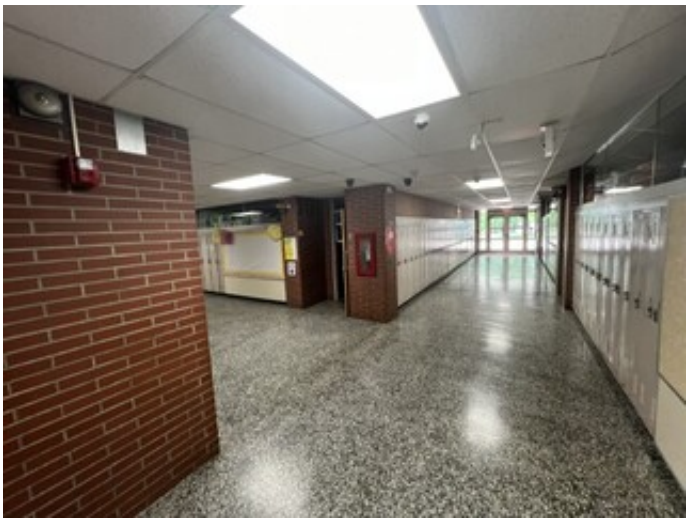
L. Security Systems

Description: The overall facility contains an Altronix motion detector, CCTV, door contact type security system in good to fair condition. Motion detectors are inadequately provided in main entries, central gathering areas, offices, main Corridors, and spaces where 6 or more computers are located. Exterior doors are not all equipped with door contacts. An automatic visitor control system is provided. Administrative offices are located adjacent to the Main Entrance to the facility, and a secure entrance vestibule is provided. Compliant color CCTV cameras are provided at main entry areas, parking lots, central gathering areas, and main Corridors. CCTV is monitored in Administrative Area with the use of a TV and computer based hard disk recording device. A compliant computer controlled access control system integrating alarms and video signals, with appropriate UPS backup, is provided. The system is equipped with card readers. The system is equipped with panic alarms. The system is not equipped with lockdown capabilities. The security system is not adequately provided throughout, and the system is not fully compliant with Ohio School Design Manual guidelines. There are no playground fencing issues requiring attention. The exterior site lighting system is equipped with recessed and surface mounted LED & HID entry lights in good to poor condition. Pedestrian walkways are not adequately illuminated. Parking and bus pick-up / drop off areas are not fully illuminated by pole mounted HID fixtures in good condition. The exterior site lighting system provides inadequate illumination due to sparse placement of fixtures.

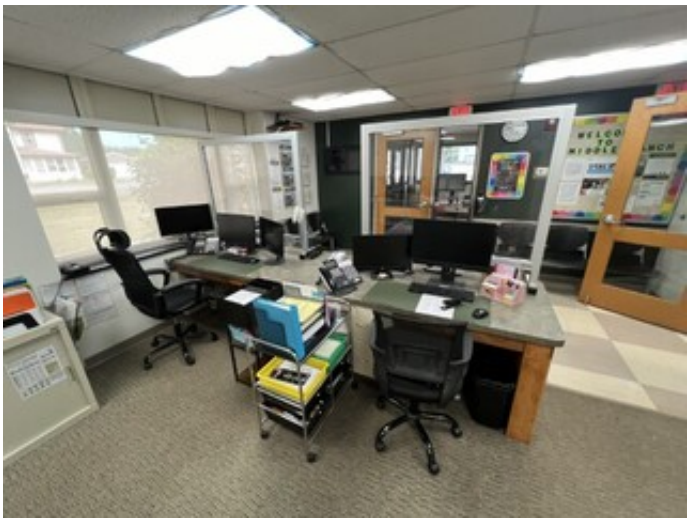
Rating: 3 Needs Replacement

Recommendations: Provide complete replacement of security system to meet Ohio School Design Manual guidelines. Provide complete replacement of exterior site lighting system to meet Ohio School Design Manual guidelines.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Security System:	$3.69	sq.ft. (of entire building addition)		Required	Required	Required	$264,222.45	(complete, area of building)
Exterior Site Lighting:	$1.30	sq.ft. (of entire building addition)		Required	Required	Required	$93,086.50	(complete, area of building)
Sum:			$357,308.95	$123,208.09	$77,809.07	$156,291.79		



Cameras in Main Corridor



Automated Visitor Entry Control System within Administrative Office Adjacent to Secure Entry Vestibule

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M. Emergency/Egress Lighting

Description: The overall facility is equipped with an emergency egress lighting system consisting of non compliant incandescent, plastic construction, non illuminated exit signs, and the system is in fair condition. The facility is inadequately equipped with emergency egress floodlighting, and the system is in fair condition. The system is provided with appropriate battery backup on separate circuits. The system is not adequately provided throughout, and does not meet Ohio School Design Manual and Ohio Building Code requirements.

Rating: 3 Needs Replacement

Recommendations: Provide complete replacement of emergency / egress lighting system to meet Ohio School Design Manual and Ohio Building Code guidelines.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Emergency/Egress Lighting:	$1.30	sq.ft. (of entire building addition)		Required	Required	Required	$93,086.50	(complete, area of building)
Sum:			$93,086.50	$32,098.30	$20,270.90	$40,717.30		



Internally Lit Exit Sign with Integral Floodlights



Internally Lit Exit Sign with Emergency Flood Light on Battery Backup

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N. Fire Alarm

Description: The overall facility is equipped with an FCI 7100 Series type fire alarm system, installed in 2005, and in good to fair condition, consisting of manual pull stations, and horn and strobe indicating devices. The system is addressable. The main control panel is not located in the administrative area. Remote annunciators are provided at main entries. The system is automatic and is remotely monitored by a third party. The fire alarm system is connected to an automatic digital communicator that is monitored by a central station. The system is not equipped with connected door hold-open devices, controlled by smoke detectors at doors. The system is adequately equipped with both primary and secondary compliant power sources. The system is equipped with sufficient audible horns, strobe indicating devices, and smoke detectors. The system is not equipped with any flow switches, tamper switches, or heat sensors. The system thus will not support future fire suppression systems. The system does not have sufficient expansion capabilities, with additional zone capabilities, to support the future needs of the school. The system does not meet current code requirements. The system is not adequately provided throughout. The system is not fully compliant with Ohio Building Code, NFPA, ADA, and Ohio School Design Manual requirements.

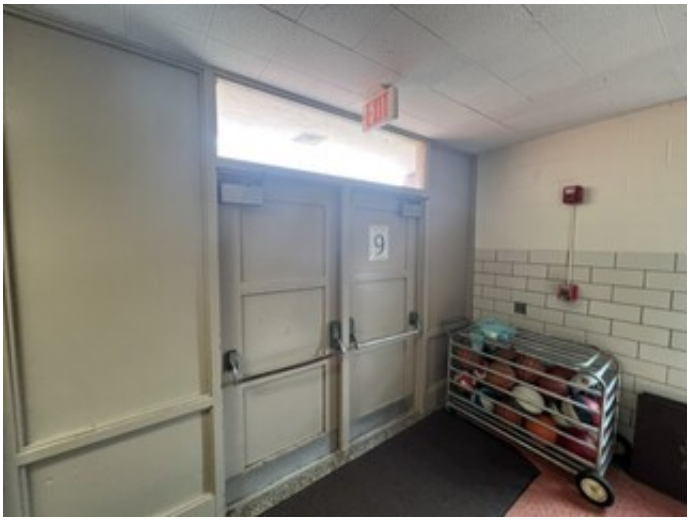
Rating: 3 Needs Replacement

Recommendations: Provide complete replacement of fire alarm system to meet OBC, NFPA, ADA, and Ohio School Design Manual guidelines.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Fire Alarm System:	$3.89	sq.ft. (of entire building addition)		Required	Required	Required	$278,543.45	(complete new system, including removal of existing)
Sum:			$278,543.45	$96,047.99	$60,656.77	$121,838.69		



Fire Alarm Control Panel Located In Mechanical Room



Typical Horn and Strobe Device and Manual Pull Station Device

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O. Handicapped Access

Description: At the site, there is an accessible route provided from the public right-of-way, the accessible parking areas, and from the passenger unloading zone to the main entrance of the school. There is an accessible route connecting all or most areas of the site. The exterior entrances are not ADA accessible due to lack of ADA power assist doors. Access from the parking / drop-off area to the building entries is not compromised by steps or steep ramps. Adequate handicap parking is provided. Exterior doors are equipped with ADA hardware. Building entrances should be equipped with 2 ADA power assist doors at main entrance of the 1962 Gym Addition, and none are provided. Playground layout and equipping are mostly compliant. On the interior of the building, space allowances and reach ranges are mostly compliant. There is not an accessible route through the building which does not include protruding objects. Ground and floor surfaces are compliant. Ramps and stairs do not meet all ADA requirements, and are insufficient due to exceedingly steep ramp slope. Elevation changes within the overall facility are facilitated by 3 compliant stairwells in fair condition, 1 compliant / 0 non-compliant ramps in fair condition. This multistory building has does not have a compliant elevator that accesses every floor. Access to the Stage is facilitated by a ramp fair condition. In the 1960 Addition, the ramp to the stage is insufficient due to exceedingly steep slope. Interior doors are not recessed, are provided adequate clearances, and are not provided with ADA-compliant hardware. Interior doors in the Overall Facility lack ADA-compliant door handles. 11 ADA-compliant toilets are required, and 3 are currently provided. 11 ADA-compliant Restroom lavatories are required, and 14 are currently provided. 0 ADA-compliant Science Classroom lab sinks are required, and 0 are currently provided. 4 ADA-compliant urinals are required, and 4 are currently provided. 2 ADA-compliant showers are required, and 0 are currently provided. 3 ADA-compliant electric water coolers are required, and 4 are currently provided. Toilet partitions are wood, and do not provide appropriate ADA clearances. ADA-compliant accessories are adequately provided and mounted. Mirrors do meet ADA requirements for mounting heights. Due to existing grade configuration, no Science Classroom considerations require evaluation. Health Clinic and Special Education Restrooms are compliant with ADA requirements. ADA signage is not provided on both the interior and the exterior of the building.

Rating: 3 Needs Replacement

Recommendations: Provide ADA-compliant signage in the overall facility, 2 power assist door opener at main entrance, 1 ramp in the 1962 Addition, 2 Chair Lifts in the Original Construction, 1 Chair Lift in the 1952 Addition, 1 electric water cooler in Original Construction, 8 toilets in the overall facility, 2 showers in the 1962 addition, door hardware in the overall facility. Parking issues are corrected in Item P.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Signage:	$0.26	sq.ft. (of entire building addition)		Required	Required	Required	$18,617.30	(per building area)
Ramps:	$51.83	sq.ft. (Qty)		36 Required			$1,865.88	(per ramp/interior-exterior complete)
Lifts:	$19,434.75	unit		2 Required	1 Required		$58,304.25	(complete)
Electric Water Coolers:	$3,886.95	unit		1 Required			$3,886.95	(new double ADA)
Toilet Partitions:	$1,606.50	stall		4 Required	2 Required	2 Required	$12,852.00	(ADA - grab bars, accessories included)
ADA Assist Door & Frame:	$9,717.38	unit				2 Required	$19,434.76	(openers, electrical, patching, etc)
Provide ADA Shower:	$3,886.95	each			2 Required		$7,773.90	(includes fixtures, walls, floor drain, and supply line of an existing locker room)
Sum:			$122,735.04	$57,467.99	$34,475.83	$30,791.22		





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P. Site Condition

Description: The 27.36 acre flat site is located in a suburban residential setting with moderate tree and shrub type landscaping. Outbuildings include storage garage. There are no apparent problems with erosion or ponding. The site is bordered by lightly traveled city streets. Multiple entrances onto the site facilitates proper separation of bus and other vehicular traffic, and one way bus traffic is provided. There is a curbside bus loading and unloading zone adjacent to the school, which is separated from other vehicular traffic. Staff and visitor parking is facilitated by multiple asphalt parking lots in fair to poor condition, containing 91 parking places, which provides adequate parking for staff members, visitors and the disabled. The site and parking lot drainage design, consisting of catch basins and storm sewers provides adequate evacuation of storm water, and no problems with parking lot ponding were observed. Concrete curbs in fair condition are appropriately placed. Concrete sidewalks are properly sloped, are located to provide a logical flow of pedestrian traffic and are in fair to good condition. Trash pick-up and service drive pavement appears to be heavy duty and is in fair to poor condition and is not equipped with a concrete pad area for dumpsters. There are concrete exterior stairs leading down to the Boiler Room, which are in fair to poor condition. The handrails for the Boiler Room exterior stairs are in fair condition. There is a concrete ramp leading to a storage room in the 1960 Addition which is in fair to good condition. There are concrete exterior stairs leading up to the 1952 Addition stairwell which are in fair condition. There are concrete exterior stairs leading up to the kitchen which are in poor condition. There are concrete exterior stairs leading up to the Stage which are in fair condition. The handrails for the Stage exterior stairs are in fair condition. The playground equipment is primarily constructed of metal and high density plastic and is in fair condition. Playground equipment is placed to provide compliant fall zones and on a compliant wood fiber mulch sufficient depth. Hard surface play areas with a basketball court and tetherball are provided on an asphalt surface in good condition. The site / playground area is equipped with sufficient tables and benches in fair condition. The athletic facilities are comprised of baseball and soccer fields and are in fair condition. Site features are suitable for outdoor instruction which is enhanced through the District's provision of picnic tables and benches.

Rating: 3 Needs Replacement

Recommendations: Provide for new asphalt in the parking lot. Provide for new concrete dumpster pad. Provide new exterior concrete stairs. Provide for sitework that may need to be done due to unforeseen circumstances.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Replace Existing Asphalt Paving (light duty):	$42.84	sq. yard		15,339 Required			$657,122.76	(including drainage / tear out for light duty asphalt)
Replace Concrete Steps:	$41.47	sq.ft. (Qty)			19 Required	14 Required	$1,368.51	
Provide Concrete Dumpster Pad:	$3,109.56	each		1 Required			$3,109.56	(for two dumpsters)
Base Sitework Allowance for Unforeseen Circumstances	$50,000.00	allowance		Required			$50,000.00	Include this and one of the next two. (Applies for whole building, so only **one** addition should have this item)
Sitework Allowance for Unforeseen Circumstances for buildings between 0 SF and 100,000 SF	$1.50	sq.ft. (of entire building addition)		Required	Required	Required	$107,407.50	Include this one **or** the next. (Each addition should have this item)
Sum:			$819,008.33	$747,268.82	$24,177.43	$47,562.05		





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Mill/Fill SD pavement - 6,609 sf = 734 sy x $24.61 = $ 18,071
Replace SD Pavement 48,975 sf = 5,442 sy x $42.84 = $233,121
Replace HD Pavement 30,032 sf = 3,337 sy x $53.55 = $ 178,690.4
Drainage $500,000

DELTA $ 272,760 additional

Playground equipment removal & replacement $142,221.05

Playground soft surface $50,021

Q. Sewage System

Description: The sanitary sewer system is an on-site waste water treatment type, and is in fair to poor condition. The school has a state permit to treat their own sewage. No significant system deficiencies were reported by the school district or noted during the physical assessment.

Rating: 3 Needs Replacement

Recommendations: Provide complete replacement of on-site sewage treatment system due to age and condition, to meet Ohio School Design Manual requirements.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Elementary On-Site Sewage Treatment System 69,361 100,000 sf	$3.97	sq.ft. (of entire building addition)		Required	Required	Required	$284,271.85	
Sum:			$284,271.85	$98,023.27	$61,904.21	$124,344.37		



On-Site Sewage Treatment System



Floor Drain in Locker Room

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We do not believe this cost is adequate for septic replacement or tying to nearby sanitary. SHD is investigating cost.

R. Water Supply

Description: The domestic water supply system is tied in to the municipal system, features 2'' service and 2'' water meter, and is in good condition The District was able to provide water supply flow test data. The water service provides 8.6 PSID at the backflow preventer first check valve. The existing domestic water service appears to meet the facility's current needs. The facility is not equipped with an automated fire suppression system, and the existing water supply will not provide adequate support for a future system. The domestic water service is not equipped with a water booster pump, and none is required. The system does not provide adequate pressure and capacity for the future needs of the school.

Rating: 3 Needs Replacement

Recommendations: Provide a new city water supply line of adequate capacity to support the existing needs of the facility, as well as a future automated fire suppression system. Funding provided in Item U.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Water Quality Test	$627.98	allowance		Required			$627.98	(includes 2 tests)
Sum:			$627.98	$627.98	$0.00	$0.00		



Water Main & Backflow Preventer



Domestic Water Storage Tank and Water Supply Piping

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S. Exterior Doors

Description: Typical exterior doors in the overall facility are aluminum type construction, installed on aluminum frames, and in fair condition. Typical exterior doors feature insulated tempered glass vision panels, and appropriate hardware. Typical exterior doors in the 1952 Addition are aluminum type construction, installed on aluminum frames, and in fair to good condition. Typical exterior doors feature insulated tempered glass vision panels, and appropriate hardware. Typical exterior doors in the 1960 Addition are aluminum or wood type construction, installed on aluminum or wood frames, and in fair to good condition. Typical exterior doors feature insulated tempered glass vision panels, and appropriate hardware, though some doors feature wired glass in lieu of tempering. Entrance doors in the overall facility are aluminum type construction, installed on aluminum frames, and in fair condition. Entrance doors feature insulated tempered glass vision panels, transoms, sidelights, and appropriate hardware. Entrance doors in the 1952 Addition are aluminum type construction, installed on aluminum frames, and in fair to good condition. Entrance doors feature insulated tempered glass vision panels, transoms, sidelights, and appropriate hardware. Entrance doors in the 1960 Addition are aluminum type construction, installed on aluminum frames, and in good condition. Entrance doors feature insulated tempered glass vision panels, transoms, sidelights, and appropriate hardware. The facility is not equipped with any roof access doors. There are no overhead doors in the facility.

Rating: 3 Needs Replacement

Recommendations: Replace all exterior doors to comply with Ohio Building Code, ADA, and Ohio School Design Manual guidelines.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Door Leaf/Frame and Hardware:	$3,239.12	per leaf		3 Required	6 Required	13 Required	$71,260.64	(includes removal of existing)
Sum:			$71,260.64	$9,717.36	$19,434.72	$42,108.56		





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T. Hazardous Material

Description: The School District provided the AHERA six month reinspection reports, prepared by William Racine, and dated May 21-23, 2024, documenting known and assumed locations of asbestos and other hazardous materials. (The AHERA Reports referenced only assumed asbestos containing materials, and failed to document quantities and locations. An Enhanced Environmental Hazards Assessment (EEHA) will need to be conducted in order to establish abatement budgets.) Vinyl asbestos floor tile and mastic / Carpet tile / Ceiling tile / Window glazing / Sound dampening materials / Transite board / Tank insulation / Pipe insulation and fittings containing hazardous materials are located in the overall facility in fair to poor condition. These materials were described in the report to be in friable and non-friable condition with moderate to light damage. There are no underground storage tanks on the site. Due to the construction date, there is a potential for lead based paint. Fluorescent lighting will require special disposal.

Rating: 3 Needs Replacement

Recommendations: Remove all hazardous materials, inclusive of asbestos-containing materials as noted in the attached Environmental Hazards Assessment. OFCC will perform a separate independent EEA to confirm scope and budget prior to finalizing master plan.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Environmental Hazards Form				EHA Form	EHA Form	EHA Form	—	
Boiler/Furnace Insulation Removal	$16.07	sq.ft. (Qty)		500 Required	0 Required	0 Required	$8,035.00	
Breeching Insulation Removal	$16.07	sq.ft. (Qty)		600 Required	0 Required	0 Required	$9,642.00	
Tank Insulation Removal	$12.85	sq.ft. (Qty)		200 Required	0 Required	0 Required	$2,570.00	
Special Engineering Fees for LBP Mock-Ups	$1.30	per unit		5,000 Required	5,000 Required	5,000 Required	$19,500.00	
Pipe Fitting Insulation Removal	$32.40	each		88 Required	57 Required	31 Required	$5,702.40	
Pipe Insulation Removal (Crawlspace/Tunnel)	$28.92	ln.ft.		0 Required	2,000 Required	0 Required	$57,840.00	
Pipe Fitting Insulation Removal (Crawlspace/Tunnel)	$45.35	each		78 Required	80 Required	0 Required	$7,165.30	
Pipe Insulation Removal (Hidden in Walls/Ceilings)	$32.13	ln.ft.		80 Required	0 Required	0 Required	$2,570.40	
Acoustical Plaster Removal	$9.07	sq.ft. (Qty)		400 Required	3,400 Required	1,000 Required	$43,536.00	See J
Cement Board Removal	$6.48	sq.ft. (Qty)		0 Required	8 Required	0 Required	$51.84	
Fire Door Removal	$129.57	each		1 Required	0 Required	0 Required	$129.57	See S
Window Component (Compound, Tape, or Caulk) - Reno & Demo	$388.70	each		72 Required	52 Required	72 Required	$76,185.20	
Resilient Flooring Removal, Including Mastic	$4.28	sq.ft. (Qty)		400 Required	10 Required	3,110 Required	$15,065.60	See J
Carpet Mastic Removal	$3.43	sq.ft. (Qty)		4,500 Required	100 Required	4,500 Required	$31,213.00	
Sum:			$279,206.31	$84,596.87	$121,302.84	$73,306.60		





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U. Life Safety

Description: The overall facility is not equipped with an automated fire suppression system. Exit Corridors are situated such that dead-end Corridors are not present. The facility features 3 interior stair towers, which are not protected by a two hour fire enclosure. The facility features 2 exterior concrete stairways providing egress from intermediate floors, which are in fair condition. Guardrails are constructed in a ladder effect, and do not extend past the top and bottom stair risers as required by the Ohio Building Code. The Kitchen hood is in fair condition, and is not equipped with the required UL 300 compliant wet chemical fire suppression system. The required 6'' overhang of the cooking equipment is provided by the hood. Kitchen hood exhaust ductwork is of proper construction / material / insulation / and installed as required by the OSDM and OBCMC. The cooking equipment is not interlocked to shut down in the event of discharge of the fire suppression system. Fire extinguishers meeting requirements of NFPA 10 are provided in sufficient quantity. Recessed or semi-recessed fire extinguisher cabinets are provided. Existing fire extinguishers are adequately spaced. Passenger elevator providing compliant 2-way communications and access to all floors is not provided. The facility is not equipped with an emergency generator. The existing water supply is provided by a tie-in to the municipal and is not sufficient to meet the future fire suppression needs of the school. Rooms with a capacity greater than 50 occupants are equipped with adequate egress. Provisions for compliance with OBC Storm Shelter protection, designated Area Of Refuge, and FEMA ''National Performance Criteria for Tornado Shelters'' are currently provided.

Rating: 3 Needs Replacement

Recommendations: Provide a new automated fire suppression system to meet Ohio School Design Manual guidelines. Provide increased water service of a capacity sufficient to support the fire suppression system, funding included in fire suppression funding. Provide new emergency generator, with funding provided via complete replacement of electrical system in Item D. Provide new Kitchen hood with a UL 300 compliant wet chemical fire suppression system. Provide interlock to de-energize cooking equipment upon discharge of the Kitchen hood fire suppression system. Provide fire-rated enclosure around existing stair towers.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
Sprinkler / Fire Suppression System:	$4.86	sq.ft. (Qty)		24,691 Required	15,593 Required	31,321 Required	$348,000.30	(includes increase of service piping, if required)
Retrofit existing kitchen hood with Fire suppression system	$8,421.72	per hood		1 Required			$8,421.72	
Other: Backflow Preventer	$6,048.79	per unit		1 Required			$6,048.79	Provide a back flow preventer for the new dedicated water line for the sprinkler system.
Sum:			$362,470.81	$134,468.77	$75,781.98	$152,220.06		





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V. Loose Furnishings

Description: The typical Classroom furniture is mismatched and in generally fair to poor condition, consisting of student desks & chairs, teacher desks & chairs, desk height file cabinets, reading tables, bookcases, wastebaskets. The facility's furniture and loose equipment were evaluated in item 6.17 in the Suitability Assessment section of this report, and on a scale of 1 to 10 the overall facility received a rating of 3 due to observed conditions, and due to the fact that it lacks some of the Design Manual required elements.

Rating: 3 Needs Replacement

Recommendations: Provide for replacement of outdated or inadequate furnishings.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
CEFPI Rating 0 to 3	$10.71	sq.ft. (of entire building addition)		Required	Required	Required	$766,889.55	
Sum:			$766,889.55	$264,440.61	$167,001.03	$335,447.91		





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W. Technology

Description: The typical Classroom is equipped with 2 of the required four technology data ports for student use / one data port for teacher use / one voice port with a digitally based phone system, and a 2-way PA system that can be initiated by either party to meet Ohio School Design Manual requirements. The typical Classroom is not equipped with 2 of the required four technology data ports for student use and one cable port and monitor to meet Ohio School Design Manual requirements. The facility is not equipped with a wireless central synchronized clock system. Specialized electrical / sound system requirements of Gymnasium, Stage, Student Dining, and Music spaces are inadequately provided, and in poor condition. OSDM-compliant computer network infrastructure is provided. The facility is equipped with a paging & central sound system. The facility does contain a media distribution center, and does not provide Computer Labs for use by students. Mobile technology carts are provided for use throughout the school. The facility is not adequately equipped with interactive curriculum technology, such as Smart Board / stand, interactive tablet, student response system, and document camera. Classrooms are equipped with adequate Audio / Visual system components such as Classroom projectors, video distribution and sound, meeting current OSDM standards. Cable TV (CATV) is not provided in Classrooms. Classroom phones are provided. Electrical Room and Mechanical Room phones are not provided. Secure, encrypted wireless connectivity is provided throughout the overall facility. Elevators are not equipped with telephones. Telecommunications Rooms are not provided with a minimum of 2 (two) 120-volt, 30 Amp circuits for powering rack mounted UPS Units.

Rating: 3 Needs Replacement

Recommendations: Provide complete replacement of technology systems to meet Ohio School Design Manual requirements.

Item	Cost	Unit	Whole Building	Original Construction (1931) 24,691 ft²	Cafeteria & Classroom Addition (1952) 15,593 ft²	Gymnasium & Classroom Addition (1960) 31,321 ft²	Sum	Comments
ES portion of building with total SF < 50,000	$16.85	sq.ft. (Qty)		24,691 Required	15,593 Required	31,321 Required	$1,206,544.25	
Sum:			$1,206,544.25	$416,043.35	$262,742.05	$527,758.85		



Network Infrastructure Rack Located in Storage Closet



Typical Classroom Projector & Wireless Internet Access Point

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X. Construction Contingency / Non-Construction Cost

Renovation Costs (A-W)		$19,481,669.00
7.00%	Construction Contingency	$1,363,716.83
Subtotal		$20,845,385.83
16.29%	Non-Construction Costs	$3,395,713.35
Total Project		**$24,241,099.18**

Construction Contingency	$1,363,716.83
Non-Construction Costs	$3,395,713.35
Total for X.	**$4,759,430.18**

Non-Construction Costs Breakdown		
Land Survey	0.03%	$6,253.62
Soil Borings / Phase I Envir. Report	0.10%	$20,845.39
Agency Approval Fees (Bldg. Code)	0.25%	$52,113.46
Construction Testing	0.40%	$83,381.54
Printing - Bid Documents	0.15%	$31,268.08
Advertising for Bids	0.02%	$4,169.08
Builder's Risk Insurance	0.12%	$25,014.46
Design Professional's Compensation	7.50%	$1,563,403.94
CM Compensation	6.00%	$1,250,723.15
Commissioning	0.60%	$125,072.31
Non-Construction Contingency (includes partnering and mediation services)	1.12%	$233,468.32
Total Non-Construction Costs	**16.29%**	**$3,395,713.35**

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School Facility Appraisal - Plain Local

Name of Appraiser	Julie Apt	**Date of Appraisal**	2024-05-30
Building Name	Middlebranch Elementary		
Street Address	7500 Middlebranch Ave NE		
City/Town, State, Zip Code	North Canton, OH 44721		
Telephone Number(s)	330-491-3750		
School District	Plain Local		

Setting: Small City

Site-Acreage	28.54	Building Square Footage	71,605
Grades Housed	K-4	Student Capacity	564
Number of Teaching Stations	29	Number of Floors	3
Student Enrollment	530		
Dates of Construction	1931,1952,1960		

Energy Sources:	☐ Fuel Oil	☐ Gas	☐ Electric	☐ Solar
Air Conditioning:	☐ Roof Top	☐ Windows Units	☐ Central	☐ Room Units
Heating:	☐ Central	☐ Roof Top	☐ Individual Unit	☐ Forced Air
	☐ Hot Water	☐ Steam		

Type of Construction	**Exterior Surfacing**	**Floor Construction**
☐ Load bearing masonry	☐ Brick	☐ Wood Joists
☐ Steel frame	☐ Stucco	☐ Steel Joists
☐ Concrete frame	☐ Metal	☐ Slab on grade
☐ Wood	☐ Wood	☐ Structural slab
☐ Steel Joists	☐ Stone	

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Suitability Appraisal of **1.0 The School Site** for Middlebranch Elementary (008304)

1.0 The School Site	Points Allocated	Points
1.1 **Site is large enough** to meet educational needs as defined by state and local requirements	25	*20*
The site is 27.36 acres compared to 15 acres required by the OSDM.		
1.2 **Site is easily accessible** and conveniently located for the present and future population	20	*16*
The School is centrally located within the School District, and is easily accessible.		
1.3 **Location** is removed from undesirable business, industry, traffic, and natural hazards	10	*8*
The site is adjacent to residential uses, and there are no undesirable features adjacent to the School site.		
1.4 Site is **well landscaped and developed** to meet educational needs	10	*8*
The site is moderately landscaped with mature shade trees, ornamental trees, and shrubs which define the property and emphasize the building entrance. Lawn areas where mowing is required do not exceed 3:1 slope.		
1.5 ES Well equipped **playgrounds are separated** from streets and parking areas MS Well equipped **athletic and intermural areas are separated** from streets and parking HS Well equipped **athletic areas** are adequate with sufficient solid-surface parking	10	*6*
Playground areas consist of metal type play equipment, which is in fair condition, and is located on wood fiber mulch which is an approved soft surface material.		
1.6 **Topography** is varied enough to provide desirable appearance and without steep inclines	5	*4*
The site is gently sloped to provided positive drainage across the site. A flat area is provided to accommodate buildings, perimeter walks, vehicular circulation, parking areas, outdoor play areas, and physical education spaces, and is desirable.		
1.7 Site has stable, well drained **soil free of erosion**	5	*4*
Soils appear to be stable and well drained, and no erosion was observed.		
1.8 Site is suitable for **special instructional needs**, e.g., outdoor learning	5	*4*
The site has been developed to accommodate outdoor learning, including benches and picnic tables to facilitate instruction.		
1.9 **Pedestrian services** include adequate sidewalk with designated crosswalks, curb cuts, and correct slopes	5	*4*
Sidewalks are adequately provided to accommodate safe pedestrian circulation including designated crosswalks, curb cuts, and correct slopes.		
1.10 ES/MS Sufficient **on-site, solid surface parking** for faculty and staff is provided HS Sufficient **on-site, solid surface parking** is provided for faculty, students, staff and community	5	*4*
Adequate parking is provided for faculty, staff, community and student parking, and is located on asphalt pavement in good condition.		
TOTAL - 1.0 The School Site	100	*78*

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Suitability Appraisal of **2.0 Structural and Mechanical Features** for Middlebranch Elementary (008304)

2.0 Structural and Mechanical Features	Points Allocated	Points
Structural		
2.1 Structure meets all **barrier-free** requirements both externally and internally	15	*4*
Entire building is not ADA-compliant.		
2.2 **Roofs** appear sound, have positive drainage, and are weather tight	15	*8*
The roofs over the entire facility are in good condition but require replacement in some areas due to standing water conditions.		
2.3 **Foundations** are strong and stable with no observable cracks	10	*8*
Foundations are in good condition with no observable cracks.		
2.4 **Exterior and interior walls** have sufficient expansion joints and are free of deterioration	10	*4*
Exterior walls are in poor condition and do not have sufficient control and expansion joints.		
2.5 **Entrances and exits** are located so as to permit efficient student traffic flow	10	*6*
Due to multiple additions, circulation throughout the building is confusing. Entry and exit points to the building have been adequately provided.		
2.6 **Building ''envelope''** generally provides for energy conservation (see criteria)	10	*4*
Building envelope does not meet minimum energy conservation requirements.		
2.7 Structure is **free of friable asbestos** and **toxic materials**	10	*4*
The building is reported to contain asbestos and other hazardous materials.		
2.8 Interior walls permit sufficient **flexibility** for a variety of class sizes	10	*4*
Interior walls throughout the facility are fixed walls and are not flexible.		

Mechanical/Electrical	Points Allocated	Points
2.9 **Adequate light sources** are well maintained, and properly placed and are not subject to overheating	15	*6*
Light sources are improperly placed and provide inadequate lighting in some areas. Fixtures are well maintained in most areas. Light fixtures do not appear to be subject to overheating.		
2.10 **Internal water supply** is adequate with sufficient pressure to meet health and safety requirements	15	*6*
Internal water supply will not support a future fire suppression system, but is adequate for current requirements.		
2.11 Each teaching/learning area has adequate convenient **wall outlets**, phone and computer cabling for technology applications	15	*3*
Classrooms have an inadequate number of outlets and data jacks for technology applications.		
2.12 **Electrical controls** are safely protected with **disconnect switches** easily accessible	10	*9*
Disconnect switches are provided in required easily accessible locations to allow for safe servicing of equipment.		
2.13 **Drinking fountains** are adequate in number and placement, and are properly maintained including provisions for the disabled	10	*6*
Drinking fountains are not adequate in number and placement, but meet ADA requirements. Drinking fountains are properly maintained.		
2.14 Number and size of **restrooms meet requirements**	10	*8*
The number and size of Restrooms meet requirements.		
2.15 **Drainage systems** are properly maintained and meet requirements	10	*4*

Drainage systems exhibit some signs of past leakage and repairs.

2.16 **Fire alarms, smoke detectors, and sprinkler systems** are properly maintained and meet requirements	10	*7*

The facility is not sprinkled. Fire alarm systems are provided with required devices with the exception of flow and tamper switches. Smoke detectors are adequately provided.

2.17 **Intercommunication system** consists of a central unit that allows dependable **two-way communication** between the office and instructional areas	10	*9*

The central intercommunication system provides reliable communication between the Administration area and all teaching/learning areas.

2.18 **Exterior water supply** is sufficient and available for normal usage	5	*4*

Exterior wall hydrants are adequately provided around the exterior of the facility.

TOTAL - 2.0 Structural and Mechanical Features	200	*104*

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Suitability Appraisal of **3.0 Plant Maintainability** for Middlebranch Elementary (008304)

3.0 Plant Maintainability	Points Allocated	Points
3.1 **Windows, doors, and walls** are of material and finish requiring minimum maintenance	15	*9*
Exterior materials for walls require minimum maintenance. Materials and finishes for doors and windows require some maintenance.		
3.2 **Floor surfaces** throughout the building require minimum care	15	*12*
Flooring throughout the facility consists of VCT, VAT, wood, terrazzo, sealed concrete, carpet, which is well maintained throughout the facility.		
3.3 **Ceilings and walls** throughout the building, including service areas, are easily cleaned and resistant to stain	10	*6*
Acoustical tile ceilings are not easily cleaned or resistant to stain. Painted block is easily cleaned and resistant to stain. Glazed block is easily cleaned and resistant to stain.		
3.4 **Built-in equipment** is designed and constructed for ease of maintenance	10	*4*
Casework is wood type construction that is original to the building and is in poor condition.		
3.5 **Finishes and hardware**, with compatible keying system, are of durable quality	10	*4*
Door hardware varies throughout the facility, and does not meet ADA requirements.		
3.6 **Restroom fixtures** are wall mounted and of quality finish	10	*5*
Fixtures are floor and wall mounted and are of fair to poor quality.		
3.7 Adequate **custodial storage space** with water and drain is accessible throughout the building	10	*6*
Custodial storage space is adequately located throughout the facility. Limited access to water and drains is provided throughout the facility.		
3.8 Adequate **electrical outlets and power**, to permit routine cleaning, are available in every area	10	*2*
Electrical outlets are inadequately provided in Corridors and do not allow for convenient routine cleaning.		
3.9 **Outdoor light fixtures, electrical outlets**, equipment, and other fixtures are accessible for repair and replacement	10	*2*
Outdoor light fixtures are provided inadequately, but are accessible for repair and replacement. Electrical outlets are inadequately provided around the exterior of the facility.		
TOTAL - 3.0 Plant Maintainability	100	*50*

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Suitability Appraisal of **4.0 Building Safety and Security** for Middlebranch Elementary (008304)

4.0 Building Safety and Security	Points Allocated	Points
Site Safety		
4.1 **Student loading areas** are segregated from other vehicular traffic and pedestrian walkways	15	*12*
Student loading is separated from vehicular traffic and pedestrian walkways.		
4.2 **Walkways**, both on and offsite, are available for safety of pedestrians	10	*6*
Walkways are adequately provided on-site for pedestrian safety, though no sidewalks are provided off-site for safe pedestrian circulation.		
4.3 **Access streets** have sufficient signals and signs to permit safe entrance to and exit from school area	5	*4*
School signs and signals are located as required on adjacent access streets.		
4.4 **Vehicular entrances and exits** permit safe traffic flow	5	*4*
Buses and other vehicular traffic use separate entrance and exit points to the site, allowing for safe vehicular traffic flow.		
4.5 ES **Playground equipment** is free from hazard MS Location and types of **intramural equipment** are free from hazard HS **Athletic field equipment** is properly located and is free from hazard	5	*3*
Playground equipment consists of steel / high density plastic type equipment in fair condition, appears to be free from hazard, and is located on an approved soft surface material to a sufficient depth.		

Building Safety	Points Allocated	Points
4.6 **The heating unit(s)** is located away from student occupied areas	20	*10*
Heating boilers are located in rooms that are not accessible by students. Unit ventilators are located in the Classrooms and other learning areas.		
4.7 Multi-story buildings have at least **two stairways** for student egress	15	*12*
The building does have 2 stairways, which are enclosed, and are ADA and OBC compliant.		
4.8 **Exterior doors** open outward and are equipped with panic hardware	10	*8*
Exterior doors open in the direction of travel and are equipped with panic hardware.		
4.9 **Emergency lighting** is provided throughout the entire building with exit signs on separate electrical circuits	10	*4*
Emergency light fixtures and exit signs are on separate circuits and are inadequately provided.		
4.10 **Classroom doors** are recessed and open outward	10	*4*
Classroom doors are recessed and not recessed without proper ADA clearances, and open outward.		
4.11 **Building security systems** are provided to assure uninterrupted operation of the educational program	10	*2*
Security systems are inadequately provided and are in fair condition.		
4.12 **Flooring** (including ramps and stairways) is maintained in a non-slip condition	5	*4*
Terrazzo and VCT flooring has been farily maintained throughout the facility.		
4.13 **Stair risers** (interior and exterior) do not exceed 6 1/2 inches and range in number from 3 - 16	5	*4*
Stair treads and risers are properly designed and meet requirements.		
4.14 **Glass** is properly located and protected with wire or safety material to prevent accidental student injury	5	*3*
Glass at some door transoms and sidelights is tempered for safety. Glass at some door transoms and sidelights are provided with wire mesh for safety. Glass at some door transoms and sidelights are not provided with either tempering or wire mesh.		
4.15 **Fixed Projections** in the traffic areas do not extend more than eight inches from the corridor wall	5	*4*

Water coolers extend more than eight inches from the Corridor wall, which impede traffic flow in the Corridors.

4.16 **Traffic areas** terminate at an exit or a stairway leading to an egress	5	*3*

Due to multiple additions, circulation throughout the building is confusing. Entry and exit points to the building have been adequately provided.

Emergency Safety	Points Allocated	Points
4.17 Adequate **fire safety equipment** is properly located	15	*3*

The facility is not sprinkled. Fire alarm devices are not provided adequately. Fire extinguishers are adequately provided.

4.18 There are at least **two independent exits** from any point in the building	15	

Multiple exits are provided from Corridors throughout the facility.

4.19 **Fire-resistant materials** are used throughout the structure	15	*12*

The structure is a masonry load bearing system with steel joist and concrete deck. Interior walls are brick / masonry / plaster / drywall.

4.20 Automatic and manual **emergency alarm system** with a distinctive sound and flashing light is provided	15	*12*

The fire alarm is provided with manual and automatic actuation, and is provided with visual indicating devices in all required areas.

TOTAL - 4.0 Building Safety and Security	200	*114*

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Suitability Appraisal of **5.0 Educational Adequacy** for Middlebranch Elementary (008304)

5.0 Educational Adequacy	Points Allocated	Points
Academic Learning Space		
5.1 **Size of academic learning areas** meets desirable standards	25	*20*
The average Classroom is 950 SF compared to 900 SF required by the OSDM.		
5.2 **Classroom space** permits arrangements for small group activity	15	*12*
Classrooms are large enough to allow effective small group activity spaces.		
5.3 **Location of academic learning areas** is near related educational activities and away from disruptive noise	10	*8*
The Gymnasium and Music program are properly isolated from the academic learning areas to reduce distractions.		
5.4 **Personal space** in the classroom away from group instruction allows privacy time for individual students	10	*8*
Classrooms are large enough to allow privacy time for individual students.		
5.5 **Storage for student materials** is adequate	10	*8*
Lockers, located in the Corridor and storage cubbies located in the Classrooms are adequately provided for student storage.		
5.6 **Storage for teacher materials** is adequate	10	*8*
Casework is adequately provided for storage of teacher materials.		
Special Learning Space	Points Allocated	Points
5.7 **Size of special learning area(s)** meets standards	15	*6*
The Special Education Classroom is 624 SF compared to 900 SF recommended in the OSDM.		
5.8 **Design of specialized learning area(s)** is compatible with instructional need	10	*4*
Special Education spaces are not adequately provided to meet instructional needs.		
5.9 **Library**/**Resource**/**Media Center** provides appropriate and attractive space	10	*4*
The Media Center is 1,733 SF compared to 2,385 SF recommended in the OSDM.		
5.10 **Gymnasium (or covered P.E. area)** adequately serves physical education instruction	5	*4*
The Gymnasium is 6,547 SF compared to 3,500 SF recommended in the OSDM.		
5.11 ES **Pre-kindergarten and kindergarten space** is appropriate for age of students and nature of instruction MS/HS **Science** program is provided sufficient space and equipment	10	*8*
Pre-K and Kindergarten spaces are adequate for age of students served.		
5.12 **Music Program** is provided adequate sound treated space	5	*2*
The Music Room is 520 SF compared to 1,800-3,000 recommended in the OSDM.		
5.13 **Space for art** is appropriate for special instruction, supplies, and equipment	5	*4*
The Art Room is 1,162 SF compared to 1,200 SF recommended in the OSDM.		
School Facility Appraisal	Points Allocated	Points
5.14 **Space for technology education** permits use of state-of-the-art equipment	5	*2*
The facility is not provided with Computer Labs for student use.		
5.15 Space for **small groups and remedial instruction** is provided adjacent to classrooms	5	*2*

No spaces have been provided adjacent to Classrooms for small groups or remedial instruction.

5.16 **Storage for student and teacher material** is adequate	5	*4*

Lockers and storage cubbies have been adequately provided for storage of student materials. Casework has been adequately provided for storage of teacher materials.

Support Space	Points Allocated	Points
5.17 **Teacher's lounge and work areas** reflect teachers as professionals	10	*4*

The Teacher's Lounge is 334 SF compared to 450-900 SF, for 8-24 staff, recommended in the OSDM.

5.18 **Cafeteria**/**Kitchen** is attractive with sufficient space for seating/dining, delivery, storage, and food preparation	10	*8*

The Student Dining space is 3,223 SF compared to 3,000 SF recommended in the OSDM.

5.19 **Administrative offices** provided are consistent in appearance and function with the maturity of the students served	5	*4*

Administrative Offices are adequately provided for Elementary School students.

5.20 **Counselor's office** insures privacy and sufficient storage	5	*2*

The Counselor's Office is 125 SF compared to 120 SF, plus 100 SF for Storage and 200 SF for Conference, recommended in the OSDM.

5.21 **Clinic** is near administrative offices and is equipped to meet requirements	5	*2*

The Clinic is 113 SF compared to 370 SF recommended in the OSDM.

5.22 **Suitable reception space** is available for students, teachers, and visitors	5	*3*

Reception space consists of approximately 190 SF compared to 200-400 SF recommended by the OSDM.

5.23 **Administrative personnel** are provided **sufficient work space and privacy**	5	*2*

The Administrative area consists of approximately 1,658 SF for the principal, assistant principal, counselor, secretary, Conference Room and Restroom, compared to 2,600 SF recommended by the OSDM.

TOTAL - 5.0 Educational Adequacy	200	*129*

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Suitability Appraisal of **6.0 Environment for Education** for Middlebranch Elementary (008304)

6.0 Environment for Education	Points Allocated	Points
Exterior Environment		
6.1 Overall **design is aesthetically pleasing** to age of students	15	*8*
The building consists of several uncoordinated colors and textures of brick due to multiple additions, and is not aesthetically pleasing.		
6.2 Site and building are **well landscaped**	10	*8*
The site is moderately landscaped with mature shade trees, ornamental trees, and shrubs which define the property and emphasize the building entrance. Lawn areas where mowing is required do not exceed 3:1 slope.		
6.3 **Exterior noise and poor environment** do not disrupt learning	10	*8*
The site is adjacent to residential uses, and there are no undesirable features adjacent to the school site.		
6.4 **Entrances and walkways** are **sheltered** from sun and inclement weather	10	*6*
The main entrance to the School is completely sheltered. Exits are not all sheltered from sun and inclement weather.		
6.5 **Building materials** provide attractive color and texture	5	*3*
Exterior building materials consist of brick, stone, and concrete block, which does provide an attractive color and texture. Interior building materials consist of glazed block, painted block, brick, drywall, marble, and tile which does provide an attractive color and texture. The mixture of materials is attractive, but not sensitive to an overall design aesthetic.		

Interior Environment	Points Allocated	Points
6.6 **Color schemes, building materials, and decor** provide an impetus to learning	20	*16*
The color palette is comprised of achromatic hues / warm base with accent colors of more saturated hues. School colors are reflected in the athletic areas. The use of repeated colors and materials gives the building some unity and a sense of cohesion.		
6.7 **Year around comfortable temperature and humidity** are provided throughout the building	15	*3*
The facility is not air conditioned to provide year-round temperature and humidity control.		
6.8 **Ventilating system** provides adequate quiet circulation of clean air and meets 15cfm VBC requirement	15	*5*
The ventilating systems do not provide an adequate quantity of ventilation air to the spaces. Ventilation systems introduce minimal noise into the teaching and learning areas.		
6.9 **Lighting system** provides proper intensity, diffusion, and distribution of illumination	15	*4*
The lighting system does not provide proper intensity in some areas. Location of lighting fixtures provides uneven distribution of illumination. Diffusion of illumination is adequately provided by the light fixture lenses except in the Corridors, Gymnasium and a portion of the Administration area.		
6.10 **Drinking fountains and restroom facilities** are conveniently located	15	*12*
Drinking fountains and Restroom facilities are conveniently located.		
6.11 **Communication among students** is enhanced by commons area(s) for socialization	10	*6*
There are areas for students to gather in the Student Dining area and Gymnasium.		
6.12 **Traffic flow** is aided by appropriate foyers and corridors	10	*8*
Corridors and Foyers are adequately designed for efficient traffic flow.		
6.13 **Areas for students to interact** are suitable to the age group	10	*6*
There are areas for students to gather in the Student Dining area and Gymnasium.		
6.14 **Large group areas are designed** for effective management of students	10	*8*
The Gymnasium is adequately designed to manage large groups of students.		

6.15 **Acoustical treatment** of ceilings, walls, and floors provides effective sound control	10	*4*
No acoustical treatment has been provided in the Music Room.		
6.16 **Window design** contributes to a pleasant environment	10	*8*
The windows are fairly well designed to contribute to a pleasant environment.		
6.17 **Furniture and equipment** provide a pleasing atmosphere	10	*3*
Classroom furniture is mismatched and in fair to poor condition.		
TOTAL - 6.0 Environment for Education	200	*116*

LEED Observation Notes

School District:	Plain Local
County:	Stark
School District IRN:	49932
Building:	Middlebranch Elementary
Building IRN:	8304

Sustainable Sites

Construction process can have a harmful effect on local ecology, especially when buildings are build on productive agricultural, wildlife or open areas. Several measures can be take however to prevent the impact on undeveloped lands or to improve previously contaminated sites. Appropriate location reduces the need for private transportation and helps to prevent an increase in air pollution. Developing buildings in urban areas and on brownfield sites instead of greenfield locations has economical and environmental benefits. Controlling stormwater runoff and erosion can prevent the worsening of water quality in receiving bodies of water and the impact on aquatic life. Once the building is constructed, it's important to decrease heat island effects and reduce the light pollution on the site.

(source: LEED Reference Guide, 2001:9)

The amount of asphalt provided is more than what is programmatically required, therefore, the amount of asphalt does contribute to the heat island effect for non-roofs (see SS Credit 7.1). Open space is effectively maximized at this site (see SS Credit 5.2). The size of the parking area is slightly more than the amount required with 91 spaces provided and 84 spaces required (see SS Credit 4.4). There is no redundant asphalt at the site, programmatic requirements warrant additional asphalt paving which will not contribute in the reduction in the heat island effect. Most of the roof surfaces have low reflectance and high thermal emittance, which contributes to the heat island effect. (see SS Credit 7.2).

Water Efficiency

In the US ca. 340 billion gallons of fresh water are withdrawn daily from surface sources, 65% of which is discharged later after use. Water is also withdrawn from underground aquifers The excessive usage of water results in the current water deficit, estimated at 3,700 billion gallons. Water efficiency measures in commercial buildings can reduce water usage by at least 30%. Low-flow fixtures, sensors or using non potable water for landscape irrigation, toilet flushing and building systems are just some of available strategies. Not only do they result in environmental savings, but also bring about financial benefits, related to lower water use fees, lower sewage volumes to treat and energy use reductions.

(source: LEED Reference Guide, 2001:65)

Currently there are no measures to reduce wastewater or water usage. Much of the site features grass, deciduous trees, conifers, shrubs and area of flora. The overall facility does not contain water-efficient fixtures or appliances to meet LEED requirements. Battery operated or electrical flush sensors could provide reduced water use. Use of non-potable water on landscape is another area where reduced water usage could be utilized.

Energy & Atmosphere

Buildings in the US account for more than 30% of the total energy use and for approximately 60% of electricity. 75% of energy is derived from the burning of fossil fuels, which releases CO2 into the Atmosphere and contributes to global warming. Moreover, coal fired electric utilities release nitrogen oxides and sulfur dioxide, where the former contribute to smog and the latter to acid rain. Other types of energy production are not less harmful. Burning of natural gas produces nitrogen oxides and greenhouse gases as well, nuclear power creates nuclear wastes, while hydroelectric generating plants disrupt natural water flows. Luckily there are several practices that can reduce energy consumption and are environmentally and economically beneficial. Not only will they reduce the air pollution and mitigate global warming thanks to being less dependent on power plants, but also they will reduce operational costs and will quickly pay back. In order to make the most of those practices, it's important to adopt a holistic approach to the building's energy load and integrate different energy saving strategies.

(source: LEED Reference Guide, 2001:93)

The overall facility is equipped with HVAC equipment that, due to system type, age, and inefficiency, does not provide appropriate energy controls, and does not provide appropriate recovery to meet LEED requirements. Most equipment in the overall facility is natural gas fired, that could be updated to electric fired. The District does not produce their own energy or buy energy credits to meet LEED requirements. The site is such that some measure of solar panel installation could not be accomplished. By replacing all lighting in the facility with LED and all light switches in the facility with sensor switches, the school would see a reduction in the energy usage and, subsequently, a cost savings as well.

Material & Resources

The steps related to process building materials, such as extraction, processing and transportation are not environmentally natural, as they pollute the air, water and use natural resources. Construction and demolition wastes account for 40% of the solid waste stream in the US. Reusing existing documents is one of the best strategies to reduce solid wastes volumes and prevents then from ending up at landfills. It also reduces habitat disturbance and minimizes the need for the surrounding infrastructure. While using new materials one should take into account different material sources. Salvaged materials provide savings on material costs, recycled content material minimizes waste products and local materials reduce the environmental impact of transportation. Finally, using rapidly renewable materials and certified wood decreases the consumption of natural resources. Recycling and reusing construction waste is another strategy to be taken into consideration in sustainable design.

(source: LEED Reference Guide, 2001:167)

The facility does not provide storage and collection of recyclables (see MR Prerequisite 1). By providing containers designated for the collection of paper, plastic and glass bottles and cans reduces the solid waste impact on the environment and is a simple way to achieve LEED credits.

Indoor Environmental Quality

As we spend a big majority of our time indoors, the emphasis should be put on optimal indoor environmental quality strategies while (re)designing a building . Otherwise, a poor IEQ will have adverse effects on occupants' health, productivity and quality of life. IEQ strategies such as ventilation effectiveness and control of contaminants or a building flush-out prior to occupancy can reduce potential liability, increase the market value of the building but can also result in a significantly higher productivity (16%). Other strategies involve automatic sensors and controls, introducing fresh air to the building or providing lots of daylighting views.

(source: LEED Reference Guide, 2001:215)

Corridors and Classrooms feature hard, easy to clean surfaces, but do not provide acoustical measures other than ceiling tile (see EQ Credit 9). The overall facility is equipped with HVAC equipment that, due to age, condition, and inefficiency, does not provide appropriate indoor air quality or controls to meet LEED requirements. Existing window opening sizes, site and building layout, may make achieving LEED credits for this section difficult and costly.

Innovation & Design Process

This category is aimed at recognizing projects that implemented innovative building features and sustainable building knowledge, and whose strategy or measure results exceeded those which are required by the LEED Rating System. Expertise in sustainable design is the key element of the innovative design and construction process.

(source: LEED Reference Guide, 2001:271)

This building does not implement innovative building features and sustainable building knowledge which exceed results which are required by the LEED Rating System.

Justification for Allocation of Points - Plain Local

Building Name and Level: **Middlebranch Elementary**

K-4

Building features that clearly exceed criteria:

1. The security system is equipped with panic buttons and notification devices.
2.
3.
4.
5.
6.

Building features that are non-existent or very inadequate:

1. The entire electrical system requires replacement to meet Ohio School Design Manual guidelines for overall capacity, and due to age.
2. The entire sewage system requires replacement to meet Ohio School Design Manual guidelines for system type, and due to age.
3. The facility is not equipped with a fire suppression system.
4. The facility is not equipped with an emergency generator.
5. The facility is not equipped with a Computer Classroom.
6.

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Environmental Hazards Assessment Cost Estimates

Owner:	Plain Local
Facility:	Middlebranch Elementary
Date of Initial Assessment:	May 30, 2024
Date of Assessment Update:	Jan 9, 2025
Cost Set:	2024

District IRN:	49932
Building IRN:	8304
Firm:	Thomas Porter Architects

Scope remains unchanged after cost updates.

Building Addition	Addition Area (sf)	Total of Environmental Hazards Assessment Cost Estimates	
		Renovation	Demolition
1931 Original Construction	24,691	$84,596.87	$78,096.87
1952 Cafeteria & Classroom Addition	15,593	$121,302.84	$114,802.84
1960 Gymnasium & Classroom Addition	31,321	$73,306.60	$66,806.60
Total	71,605	$279,206.31	$259,706.31
Total with Regional Cost Factor (103.18%)	—	$288,085.07	$267,964.97
Regional Total with Soft Costs & Contingency	—	$358,465.12	$333,429.62

Environmental Hazards - Plain Local (49932) - Middlebranch Elementary (8304) - Original Construction

Owner:	Plain Local	**Bldg. IRN:**	8304
Facility:	Middlebranch Elementary	**Bldg. Addition:**	Original Construction
Date On Site:		**Consultant Name:**	William Racine

A. Asbestos Containing Material (ACM) — AFM=Asbestos Free Material

	ACM Found	Status	Quantity	Unit Cost	Estimated Cost
1.	Boiler/Furnace Insulation Removal	Reported Asbestos-Containing Material	500	$16.07	$8,035.00
2.	Breeching Insulation Removal	Reported Asbestos-Containing Material	600	$16.07	$9,642.00
3.	Tank Insulation Removal	Reported Asbestos-Containing Material	200	$12.85	$2,570.00
4.	Duct Insulation Removal	Not Present	0	$12.85	$0.00
5.	Pipe Insulation Removal	Not Present	0	$26.78	$0.00
6.	Pipe Fitting Insulation Removal	Reported Asbestos-Containing Material	88	$32.40	$2,851.20
7.	Pipe Insulation Removal (Crawlspace/Tunnel)	Not Present	0	$28.92	$0.00
8.	Pipe Fitting Insulation Removal (Crawlspace/Tunnel)	Reported Asbestos-Containing Material	78	$45.35	$3,537.30
9.	Pipe Insulation Removal (Hidden in Walls/Ceilings)	Reported Asbestos-Containing Material	80	$32.13	$2,570.40
10.	Dismantling of Boiler/Furnace/Incinerator	Not Present	0	$2,591.30	$0.00
11.	Flexible Duct Connection Removal	Not Present	0	$129.57	$0.00
12.	Acoustical Plaster Removal	Reported Asbestos-Containing Material	400	$9.07	$3,628.00
13.	Fireproofing Removal	Not Present	0	$32.40	$0.00
14.	Hard Plaster Removal	Not Present	0	$9.64	$0.00
15.	Gypsum Board Removal	Not Present	0	$7.78	$0.00
16.	Acoustical Panel/Tile Ceiling Removal	Not Present	0	$5.36	$0.00
17.	Laboratory Table/Counter Top Removal	Not Present	0	$129.57	$0.00
18.	Cement Board Removal	Not Present	0	$6.48	$0.00
19.	Electric Cord Insulation Removal	Not Present	0	$1.30	$0.00
20.	Light (Reflector) Fixture Removal	Not Present	0	$64.78	$0.00
21.	Sheet Flooring with Friable Backer Removal	Not Present	0	$5.18	$0.00
22.	Fire Door Removal	Reported Asbestos-Containing Material	1	$129.57	$129.57
23.	Door and Window Panel Removal	Not Present	0	$129.57	$0.00
24.	Decontamination of Crawlspace/Chase/Tunnel	Not Present	0	$3.89	$0.00
25.	Soil Removal	Not Present	0	$194.35	$0.00
26.	Non-ACM Ceiling/Wall Removal (for access)	Not Present	0	$2.59	$0.00
27.	Window Component (Compound, Tape, or Caulk) - Reno & Demo	Reported Asbestos-Containing Material	72	$388.70	$27,986.40
28.	Window Component (Compound, Tape, or Caulk) - Reno Only	Not Present	0	$388.70	$0.00
29.	Resilient Flooring Removal, Including Mastic	Reported Asbestos-Containing Material	400	$4.28	$1,712.00
30.	Carpet Mastic Removal	Reported Asbestos-Containing Material	4500	$3.43	$15,435.00
31.	Carpet Removal (over RFC)	Not Present	0	$1.30	$0.00
32.	Acoustical Tile Mastic Removal	Not Present	0	$5.36	$0.00
33.	Sink Undercoating Removal	Not Present	0	$129.57	$0.00
34.	Roofing Removal	Not Present	0	$2.59	$0.00
35.	Chalkboards/Mastic	Not Present	0	$388.70	$0.00
36.	(Sum of Lines 1-35)	**Total Asb. Hazard Abatement Cost for Renovation Work**			$78,096.87
37.	(Sum of Lines 1-35)	**Total Asb. Hazard Abatement Cost for Demolition Work**			$78,096.87

B. Removal Of Underground Storage Tanks — ☐ None Reported

	Tank No.	Location	Age	Product Stored	Size	Est.Rem.Cost
1.	(Sum of Lines 1-0)	**Total Cost For Removal Of Underground Storage Tanks**				$0.00

C. Lead-Based Paint (LBP) - Renovation Only — ☐ Addition Constructed after 1980

1.	Estimated Cost For Abatement Contractor to Perform Lead Mock-Ups		$0.00
2.	Special Engineering Fees for LBP Mock-Ups		$5,000.00
3.	(Sum of Lines 1-2)	**Total Cost for Lead-Based Paint Mock-Ups**	$6,500.00

D. Fluorescent Lamps & Ballasts Recycling/Incineration — ☐ Not Applicable

	Area Of Building Addition	Square Feet w/Fluorescent Lamps & Ballasts	Unit Cost	Total Cost
1.	24691	0	$0.13	$0.00

E. Other Environmental Hazards/Remarks — ☐ None Reported

	Description		Cost Estimate
1.	(Sum of Lines 1-0)	**Total Cost for Other Environmental Hazards - Renovation**	$0.00
2.	(Sum of Lines 1-0)	**Total Cost for Other Environmental Hazards - Demolition**	$0.00

F. Environmental Hazards Assessment Cost Estimate Summaries

1.	A36, B1, C3, D1, and E1	**Total Cost for Env. Hazards Work - Renovation**	$84,596.87
2.	A37, B1, D1, and E2	**Total Cost for Env. Hazards Work - Demolition**	$78,096.87

* INSPECTION ASSUMPTIONS for Reported/Assumed Asbestos-Free Materials (Rep/Asm AFM):

a. Unless reported otherwise by the District, materials installed after 1980 are assumed to be asbestos-free.

b. Unless reported otherwise by the District, small quantities (less than 1,000 square feet) of the following materials are assumed to be asbestos free: hard plaster, acoustical plaster and gypsum board systems; acoustical panels and tiles; fireproofing; 12"×12" floor tile and mastic.

c. Unless reported otherwise by the District, all roofing materials are assumed to be asbestos-free.

THESE MATERIALS SHOULD BE PROPERLY SAMPLED AND ANALYZED FOR ASBESTOS PRIOR TO DISTURBING THEM.

Environmental Hazards - Plain Local (49932) - Middlebranch Elementary (8304) - Cafeteria & Classroom Addition

Owner:	Plain Local	**Bldg. IRN:**	8304
Facility:	Middlebranch Elementary	**Bldg. Addition:**	Cafeteria & Classroom Addition
Date On Site:		**Consultant Name:**	William Racine

A. Asbestos Containing Material (ACM) — AFM=Asbestos Free Material

	ACM Found	Status	Quantity	Unit Cost	Estimated Cost
1.	Boiler/Furnace Insulation Removal	Not Present	0	$16.07	$0.00
2.	Breeching Insulation Removal	Not Present	0	$16.07	$0.00
3.	Tank Insulation Removal	Not Present	0	$12.85	$0.00
4.	Duct Insulation Removal	Not Present	0	$12.85	$0.00
5.	Pipe Insulation Removal	Not Present	0	$26.78	$0.00
6.	Pipe Fitting Insulation Removal	Reported Asbestos-Containing Material	57	$32.40	$1,846.80
7.	Pipe Insulation Removal (Crawlspace/Tunnel)	Reported Asbestos-Containing Material	2000	$28.92	$57,840.00
8.	Pipe Fitting Insulation Removal (Crawlspace/Tunnel)	Reported Asbestos-Containing Material	80	$45.35	$3,628.00
9.	Pipe Insulation Removal (Hidden in Walls/Ceilings)	Not Present	0	$32.13	$0.00
10.	Dismantling of Boiler/Furnace/Incinerator	Not Present	0	$2,591.30	$0.00
11.	Flexible Duct Connection Removal	Not Present	0	$129.57	$0.00
12.	Acoustical Plaster Removal	Reported Asbestos-Containing Material	3400	$9.07	$30,838.00
13.	Fireproofing Removal	Not Present	0	$32.40	$0.00
14.	Hard Plaster Removal	Not Present	0	$9.64	$0.00
15.	Gypsum Board Removal	Not Present	0	$7.78	$0.00
16.	Acoustical Panel/Tile Ceiling Removal	Not Present	0	$5.36	$0.00
17.	Laboratory Table/Counter Top Removal	Not Present	0	$129.57	$0.00
18.	Cement Board Removal	Reported Asbestos-Containing Material	8	$6.48	$51.84
19.	Electric Cord Insulation Removal	Not Present	0	$1.30	$0.00
20.	Light (Reflector) Fixture Removal	Not Present	0	$64.78	$0.00
21.	Sheet Flooring with Friable Backer Removal	Not Present	0	$5.18	$0.00
22.	Fire Door Removal	Not Present	0	$129.57	$0.00
23.	Door and Window Panel Removal	Not Present	0	$129.57	$0.00
24.	Decontamination of Crawlspace/Chase/Tunnel	Not Present	0	$3.89	$0.00
25.	Soil Removal	Not Present	0	$194.35	$0.00
26.	Non-ACM Ceiling/Wall Removal (for access)	Not Present	0	$2.59	$0.00
27.	Window Component (Compound, Tape, or Caulk) - Reno & Demo	Reported Asbestos-Containing Material	52	$388.70	$20,212.40
28.	Window Component (Compound, Tape, or Caulk) - Reno Only	Not Present	0	$388.70	$0.00
29.	Resilient Flooring Removal, Including Mastic	Reported Asbestos-Containing Material	10	$4.28	$42.80
30.	Carpet Mastic Removal	Reported Asbestos-Containing Material	100	$3.43	$343.00
31.	Carpet Removal (over RFC)	Not Present	0	$1.30	$0.00
32.	Acoustical Tile Mastic Removal	Not Present	0	$5.36	$0.00
33.	Sink Undercoating Removal	Not Present	0	$129.57	$0.00
34.	Roofing Removal	Not Present	0	$2.59	$0.00
35.	Chalkboards/Mastic	Not Present	0	$388.70	$0.00
36.	(Sum of Lines 1-35)	**Total Asb. Hazard Abatement Cost for Renovation Work**			$114,802.84
37.	(Sum of Lines 1-35)	**Total Asb. Hazard Abatement Cost for Demolition Work**			$114,802.84

B. Removal Of Underground Storage Tanks — ☐ None Reported

	Tank No.	Location	Age	Product Stored	Size	Est.Rem.Cost
1.	(Sum of Lines 1-0)			**Total Cost For Removal Of Underground Storage Tanks**		$0.00

C. Lead-Based Paint (LBP) - Renovation Only — ☐ Addition Constructed after 1980

1.	Estimated Cost For Abatement Contractor to Perform Lead Mock-Ups		$0.00
2.	Special Engineering Fees for LBP Mock-Ups		$5,000.00
3.	(Sum of Lines 1-2)	**Total Cost for Lead-Based Paint Mock-Ups**	$6,500.00

D. Fluorescent Lamps & Ballasts Recycling/Incineration — ☐ Not Applicable

	Area Of Building Addition	Square Feet w/Fluorescent Lamps & Ballasts	Unit Cost	Total Cost
1.	15593	0	$0.13	$0.00

E. Other Environmental Hazards/Remarks — ☐ None Reported

	Description		Cost Estimate
1.	(Sum of Lines 1-0)	**Total Cost for Other Environmental Hazards - Renovation**	$0.00
2.	(Sum of Lines 1-0)	**Total Cost for Other Environmental Hazards - Demolition**	$0.00

F. Environmental Hazards Assessment Cost Estimate Summaries

1.	A36, B1, C3, D1, and E1	**Total Cost for Env. Hazards Work - Renovation**	$121,302.84
2.	A37, B1, D1, and E2	**Total Cost for Env. Hazards Work - Demolition**	$114,802.84

* INSPECTION ASSUMPTIONS for Reported/Assumed Asbestos-Free Materials (Rep/Asm AFM):

a. Unless reported otherwise by the District, materials installed after 1980 are assumed to be asbestos-free.

b. Unless reported otherwise by the District, small quantities (less than 1,000 square feet) of the following materials are assumed to be asbestos free: hard plaster, acoustical plaster and gypsum board systems; acoustical panels and tiles; fireproofing; 12"×12" floor tile and mastic.

c. Unless reported otherwise by the District, all roofing materials are assumed to be asbestos-free.

THESE MATERIALS SHOULD BE PROPERLY SAMPLED AND ANALYZED FOR ASBESTOS PRIOR TO DISTURBING THEM.

Environmental Hazards - Plain Local (49932) - Middlebranch Elementary (8304) - Gymnasium & Classroom Addition

Owner:	Plain Local	**Bldg. IRN:**	8304
Facility:	Middlebranch Elementary	**Bldg. Addition:**	Gymnasium & Classroom Addition
Date On Site:		**Consultant Name:**	William Racine

A. Asbestos Containing Material (ACM) — AFM=Asbestos Free Material

	ACM Found	Status	Quantity	Unit Cost	Estimated Cost
1.	Boiler/Furnace Insulation Removal	Not Present	0	$16.07	$0.00
2.	Breeching Insulation Removal	Not Present	0	$16.07	$0.00
3.	Tank Insulation Removal	Not Present	0	$12.85	$0.00
4.	Duct Insulation Removal	Not Present	0	$12.85	$0.00
5.	Pipe Insulation Removal	Not Present	0	$26.78	$0.00
6.	Pipe Fitting Insulation Removal	Reported Asbestos-Containing Material	31	$32.40	$1,004.40
7.	Pipe Insulation Removal (Crawlspace/Tunnel)	Not Present	0	$28.92	$0.00
8.	Pipe Fitting Insulation Removal (Crawlspace/Tunnel)	Not Present	0	$45.35	$0.00
9.	Pipe Insulation Removal (Hidden in Walls/Ceilings)	Not Present	0	$32.13	$0.00
10.	Dismantling of Boiler/Furnace/Incinerator	Not Present	0	$2,591.30	$0.00
11.	Flexible Duct Connection Removal	Not Present	0	$129.57	$0.00
12.	Acoustical Plaster Removal	Reported Asbestos-Containing Material	1000	$9.07	$9,070.00
13.	Fireproofing Removal	Not Present	0	$32.40	$0.00
14.	Hard Plaster Removal	Not Present	0	$9.64	$0.00
15.	Gypsum Board Removal	Not Present	0	$7.78	$0.00
16.	Acoustical Panel/Tile Ceiling Removal	Not Present	0	$5.36	$0.00
17.	Laboratory Table/Counter Top Removal	Not Present	0	$129.57	$0.00
18.	Cement Board Removal	Not Present	0	$6.48	$0.00
19.	Electric Cord Insulation Removal	Not Present	0	$1.30	$0.00
20.	Light (Reflector) Fixture Removal	Not Present	0	$64.78	$0.00
21.	Sheet Flooring with Friable Backer Removal	Not Present	0	$5.18	$0.00
22.	Fire Door Removal	Not Present	0	$129.57	$0.00
23.	Door and Window Panel Removal	Not Present	0	$129.57	$0.00
24.	Decontamination of Crawlspace/Chase/Tunnel	Not Present	0	$3.89	$0.00
25.	Soil Removal	Not Present	0	$194.35	$0.00
26.	Non-ACM Ceiling/Wall Removal (for access)	Not Present	0	$2.59	$0.00
27.	Window Component (Compound, Tape, or Caulk) - Reno & Demo	Reported Asbestos-Containing Material	72	$388.70	$27,986.40
28.	Window Component (Compound, Tape, or Caulk) - Reno Only	Not Present	0	$388.70	$0.00
29.	Resilient Flooring Removal, Including Mastic	Reported Asbestos-Containing Material	3110	$4.28	$13,310.80
30.	Carpet Mastic Removal	Reported Asbestos-Containing Material	4500	$3.43	$15,435.00
31.	Carpet Removal (over RFC)	Not Present	0	$1.30	$0.00
32.	Acoustical Tile Mastic Removal	Not Present	0	$5.36	$0.00
33.	Sink Undercoating Removal	Not Present	0	$129.57	$0.00
34.	Roofing Removal	Not Present	0	$2.59	$0.00
35.	Chalkboards/Mastic	Not Present	0	$388.70	$0.00
36.	(Sum of Lines 1-35)	**Total Asb. Hazard Abatement Cost for Renovation Work**			$66,806.60
37.	(Sum of Lines 1-35)	**Total Asb. Hazard Abatement Cost for Demolition Work**			$66,806.60

B. Removal Of Underground Storage Tanks ☐ None Reported

	Tank No.	Location	Age	Product Stored	Size	Est.Rem.Cost
1.	(Sum of Lines 1-0)			**Total Cost For Removal Of Underground Storage Tanks**		$0.00

C. Lead-Based Paint (LBP) - Renovation Only ☐ Addition Constructed after 1980

1.	Estimated Cost For Abatement Contractor to Perform Lead Mock-Ups		$0.00
2.	Special Engineering Fees for LBP Mock-Ups		$5,000.00
3.	(Sum of Lines 1-2)	**Total Cost for Lead-Based Paint Mock-Ups**	$6,500.00

D. Fluorescent Lamps & Ballasts Recycling/Incineration ☐ Not Applicable

	Area Of Building Addition	Square Feet w/Fluorescent Lamps & Ballasts	Unit Cost	Total Cost
1.	31321	0	$0.13	$0.00

E. Other Environmental Hazards/Remarks ☐ None Reported

	Description		Cost Estimate
1.	(Sum of Lines 1-0)	**Total Cost for Other Environmental Hazards - Renovation**	$0.00
2.	(Sum of Lines 1-0)	**Total Cost for Other Environmental Hazards - Demolition**	$0.00

F. Environmental Hazards Assessment Cost Estimate Summaries

1.	A36, B1, C3, D1, and E1	**Total Cost for Env. Hazards Work - Renovation**	$73,306.60
2.	A37, B1, D1, and E2	**Total Cost for Env. Hazards Work - Demolition**	$66,806.60

* INSPECTION ASSUMPTIONS for Reported/Assumed Asbestos-Free Materials (Rep/Asm AFM):

a. Unless reported otherwise by the District, materials installed after 1980 are assumed to be asbestos-free.

b. Unless reported otherwise by the District, small quantities (less than 1,000 square feet) of the following materials are assumed to be asbestos free: hard plaster, acoustical plaster and gypsum board systems; acoustical panels and tiles; fireproofing; 12"×12" floor tile and mastic.

c. Unless reported otherwise by the District, all roofing materials are assumed to be asbestos-free.

THESE MATERIALS SHOULD BE PROPERLY SAMPLED AND ANALYZED FOR ASBESTOS PRIOR TO DISTURBING THEM.