Building Information - Plain Local (49932) - Taft Elementary

Program Type	Expedited Local Partnership Program (ELPP)
Setting	Small City
Assessment Name	Taft Elementary (041384)
Assessment Date (on-site; non-EEA)	2024-05-30
Kitchen Type	Full Kitchen
Cost Set:	2024
Building Name	Taft Elementary
Building IRN	41384
Building Address	3829 Guilford Ave NW
Building City	Canton
Building Zipcode	44718
Building Phone	330-491-3760
Acreage	28.46
Current Grades:	K-4
Teaching Stations	35
Number of Floors	1
Student Capacity	544
Current Enrollment	392
Enrollment Date	2024-06-07

Enrollment Date is the date in which the current enrollment was taken.

Number of Classrooms	31
Historical Register	**NO**
Building's Principal	Ms. Kortney Milford
Building Type	Elementary

Next Page

Building Pictures - Plain Local(49932) - Taft Elementary(41384)

North elevation photo:



East elevation photo:



South elevation photo:



West elevation photo:



GENERAL DESCRIPTION

67,961 Total Existing Square Footage
1930,1960,2003 Building Dates
K-4 Grades
392 Current Enrollment
35 Teaching Stations
28.46 Site Acreage

Taft Elementary School, which is not on the National Register of Historic Buildings, and originally constructed in 1930, is a 2 story, 67,961 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 1930 Original Construction contains brick veneer on load bearing masonry type exterior wall construction, with painted block, glazed block, and gypsum board type wall construction in the interior. The floor system of the base floor of the overall facility consists of concrete slab on grade type construction. The floor system of the second floor of the overall facility consists of cast-in-place concrete type construction. The roof structure of the 1930 Original Construction is cast-in-place concrete type construction. The roof structure of the 1960 Addition and the 2003 Addition is steel type construction. The roofing system of the overall facility is TPO, BUR, tar and gravel, and asphalt, installted over 20 years ago. The ventilation system of the building is inadequate to meet the needs of the users. The Classrooms are slightly undersized 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 not fully compliant security system. The building has a non-compliant automatic fire alarm system. The facility is not equipped with a compliant 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 28 acre site, shared with William Day Elementary School, and adjacent to residential properties. The property and playgrounds are 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.

No Significant Findings

Previous Page

Next Page

Building Construction Information - Plain Local (49932) - Taft Elementary (41384)

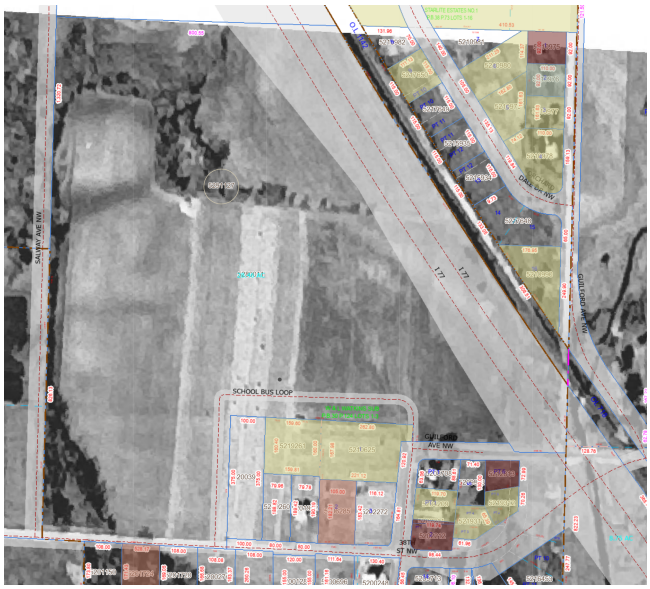
1960

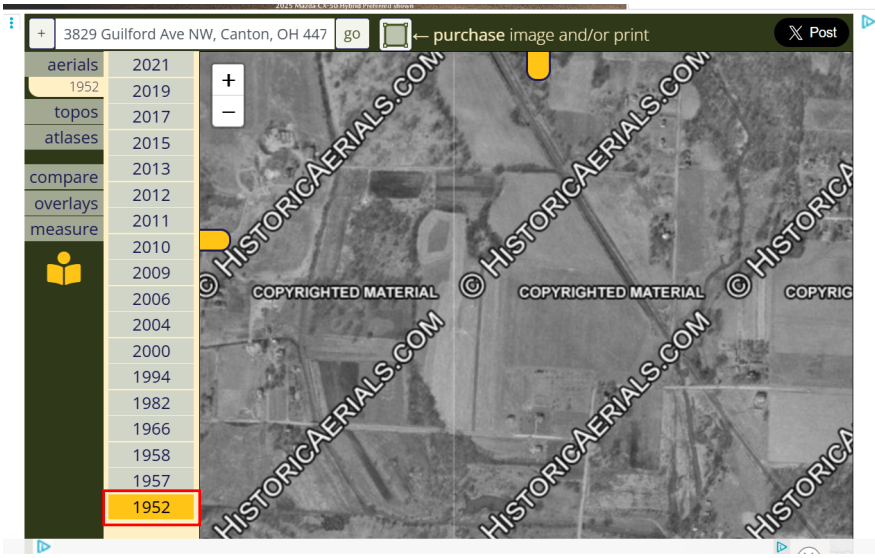
Name	Year	Handicapped Access	Floors	Square Feet	Non OSDM Addition	Built Under ELPP
Original Construction	1930	yes	1	52,860	no	no
Media Center & Classroom Addition	1960	yes	1	15,007	no	no
Elevator Addition	2003	yes	2	94	no	no

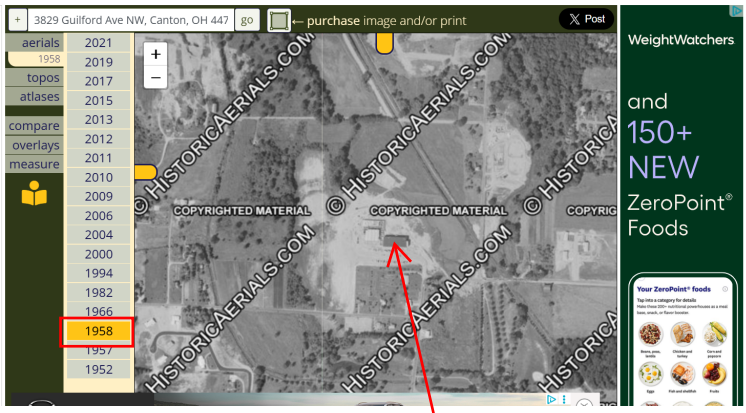
Previous Page

Next Page

Auditor site with 1942 aerial







Under construction in 1958

Auditor site with 1965 aerial



Building Component Information - Plain Local (49932) - Taft Elementary (41384)

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 (1930)		7775		5641			2607	1768						
Media Center & Classroom Addition (1960)		2685			2584									
Elevator Addition (2003)														
Total	0	10,460	0	5,641	2,584	0	2,607	1,768	0	0	0	0	0	0
Master Planning Considerations	Due to the adjacent State Route and existing bus loop to the east of the building, the access streets and bus route to the south of the building, and shared baseball fields with William Day Elementary to the west and north of the building, future first floor Additions are not recommended. A second floor Addition could be added above the Classroom wing in the 1960 Addition.													

Previous Page

Next Page

Existing CT Programs for Assessment

Next Page

Previous Page

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 - Taft Elementary (41384)

District:	Plain Local	**County:**	Stark **Area:** East Central Ohio (7)
Name:	Taft Elementary	**Contact:**	Ms. Kortney Milford
Address:	3829 Guilford Ave NW Canton,OH 44718	**Phone:**	330-491-3760
		Date Prepared:	2024-05-30 **By:** Julie Apt
Bldg. IRN:	41384	**Date Revised:**	2025-01-08 **By:** Julie Apt

Current Grades	K-4	Acreage:	28.46
Proposed Grades	N/A	Teaching Stations:	35
Current Enrollment	392	Classrooms:	31
Projected Enrollment	N/A		

Addition	Date	HA	Number of Floors	Current Square Feet
Original Construction	1930	yes	1	52,860
Media Center & Classroom Addition	1960	yes	1	15,007
Elevator Addition	2003	yes	2	94
Total				**67,961**

*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	$4,403,193.19	-
B.	Roofing	3	$633,513.10	-
C.	Ventilation / Air Conditioning	3	$40,458.75	-
D.	Electrical Systems	3	$2,532,226.86	-
E.	Plumbing and Fixtures	3	$679,933.20	-
F.	Windows	3	$1,204,090.64	-
G.	Structure: Foundation	1	$0.00	-
H.	Structure: Walls and Chimneys	2	$383,214.08	-
I.	Structure: Floors and Roofs	1	$0.00	-
J.	General Finishes	3	$2,706,156.75	-
K.	Interior Lighting	3	$572,231.62	-
L.	Security Systems	3	$339,125.39	-
M.	Emergency/Egress Lighting	3	$88,349.30	-
N.	Fire Alarm	3	$264,368.29	-
O.	Handicapped Access	2	$100,747.07	-
P.	Site Condition	3	$577,926.88	-
Q.	Sewage System	1	$0.00	-
R.	Water Supply	3	$627.98	-
S.	Exterior Doors	3	$68,021.52	-
T.	Hazardous Material	3	$217,692.84	-
U.	Life Safety	3	$344,760.97	-
V.	Loose Furnishings	3	$483,213.04	-
W.	Technology	3	$1,056,113.94	-
X.	Construction Contingency / Non-Construction Cost	-	$4,078,874.44	-
Total			$20,774,839.85	

Suitability Appraisal Summary

Section	Points Possible	Points Earned	Percentage	Rating Category
Cover Sheet	—	—	—	—
1.0 The School Site	100	88	88%	Satisfactory
2.0 Structural and Mechanical Features	200	110	55%	Borderline
3.0 Plant Maintainability	100	52	52%	Borderline
4.0 Building Safety and Security	200	136	68%	Borderline
5.0 Educational Adequacy	200	115	58%	Borderline
6.0 Environment for Education	200	135	68%	Borderline
LEED Observations	—	—	—	—
Commentary	—	—	—	—
Total	1000	636	64%	Borderline

Enhanced Environmental Hazards Assessment Cost Estimates

C=Under Contract	
Renovation Cost Factor	103.18%
Cost to Renovate (Cost Factor applied)	$21,435,479.75

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

Supporting Documents
Taft ES_Composite.pdf (view) 2025-01-08 10:32:30 (6 MB) //

Previous Page

Building was not constructed until 1960

Original Construction (1930) Summary

District:	Plain Local	**County:**	Stark **Area:** East Central Ohio (7)
Name:	Taft Elementary	**Contact:**	Ms. Kortney Milford
Address:	3829 Guilford Ave NW Canton,OH 44718	**Phone:**	330-491-3760
		Date Prepared:	2024-05-30 **By:** Julie Apt
Bldg. IRN:	41384	**Date Revised:**	2025-01-08 **By:** Julie Apt

Current Grades	K-4	Acreage:	28.46
Proposed Grades	N/A	Teaching Stations:	35
Current Enrollment	392	Classrooms:	31
Projected Enrollment	N/A		

Addition	Date	HA	Number of Floors	Current Square Feet
Original Construction	**1930**	**yes**	**1**	**52,860**
Media Center & Classroom Addition	1960	yes	1	15,007
Elevator Addition	2003	yes	2	94
Total				**67,961**

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

Suitability Appraisal Summary

Section	Points Possible	Points Earned	Percentage	Rating Category
Cover Sheet	—	—	—	—
1.0 The School Site	100	88	88%	Satisfactory
2.0 Structural and Mechanical Features	200	110	55%	Borderline
3.0 Plant Maintainability	100	52	52%	Borderline
4.0 Building Safety and Security	200	136	68%	Borderline
5.0 Educational Adequacy	200	115	58%	Borderline
6.0 Environment for Education	200	135	68%	Borderline
LEED Observations	—	—	—	—
Commentary	—	—	—	—
Total	1000	636	64%	Borderline

Enhanced Environmental Hazards Assessment Cost Estimates

C=Under Contract

Renovation Cost Factor	103.18%
Cost to Renovate (Cost Factor applied)	$16,451,110.47

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

FACILITY ASSESSMENT Cost Set: 2024		Rating	Dollar Assessment	C
A.	Heating System	3	$3,424,799.40	-
B.	Roofing	3	$337,388.56	-
C.	Ventilation / Air Conditioning	3	$32,908.25	-
D.	Electrical Systems	3	$1,969,563.60	-
E.	Plumbing and Fixtures	3	$523,013.80	-
F.	Windows	3	$864,456.47	-
G.	Structure: Foundation	1	$0.00	-
H.	Structure: Walls and Chimneys	2	$261,983.04	-
I.	Structure: Floors and Roofs	1	$0.00	-
J.	General Finishes	3	$2,119,318.02	-
K.	Interior Lighting	3	$445,081.20	-
L.	Security Systems	3	$263,771.40	-
M.	Emergency/Egress Lighting	3	$68,718.00	-
N.	Fire Alarm	3	$205,625.40	-
O.	Handicapped Access	2	$77,126.93	-
P.	Site Condition	3	$525,828.43	-
Q.	Sewage System	1	$0.00	-
R.	Water Supply	3	$627.98	-
S.	Exterior Doors	3	$45,347.68	-
T.	Hazardous Material	3	$178,934.48	-
U.	Life Safety	3	$271,370.11	-
V.	Loose Furnishings	3	$376,363.20	-
W.	Technology	3	$821,444.40	-
X.	Construction Contingency / Non-Construction Cost	-	$3,130,418.11	-
Total			$15,944,088.46	

Media Center & Classroom Addition (1960) Summary

District:	Plain Local	**County:**	Stark	**Area:**	East Central Ohio (7)
Name:	Taft Elementary	**Contact:**	Ms. Kortney Milford		
Address:	3829 Guilford Ave NW	**Phone:**	330-491-3760		
	Canton,OH 44718	**Date Prepared:**	2024-05-30	**By:**	Julie Apt
Bldg. IRN:	41384	**Date Revised:**	2025-01-08	**By:**	Julie Apt

Current Grades	K-4	Acreage:	28.46
Proposed Grades	N/A	Teaching Stations:	35
Current Enrollment	392	Classrooms:	31
Projected Enrollment	N/A		

Addition	Date	HA	Number of Floors	Current Square Feet
Original Construction	1930	yes	1	52,860
Media Center & Classroom Addition	**1960**	**yes**	**1**	**15,007**
Elevator Addition	2003	yes	2	94
Total				**67,961**

*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	$972,303.53	-
B.	Roofing	3	$147,195.76	-
C.	Ventilation / Air Conditioning	3	$7,503.50	-
D.	Electrical Systems	3	$559,160.82	-
E.	Plumbing and Fixtures	3	$156,067.76	-
F.	Windows	3	$331,739.97	-
G.	Structure: Foundation	1	$0.00	-
H.	Structure: Walls and Chimneys	2	$113,838.29	-
I.	Structure: Floors and Roofs	1	$0.00	-
J.	General Finishes	3	$586,838.73	-
K.	Interior Lighting	3	$126,358.94	-
L.	Security Systems	3	$74,884.93	-
M.	Emergency/Egress Lighting	3	$19,509.10	-
N.	Fire Alarm	3	$58,377.23	-
O.	Handicapped Access	2	$23,595.70	-
P.	Site Condition	3	$51,774.15	-
Q.	Sewage System	1	$0.00	-
R.	**Water Supply**	**3**	**$0.00**	-
S.	Exterior Doors	3	$19,434.72	-
T.	Hazardous Material	3	$38,758.36	-
U.	Life Safety	3	$72,934.02	-
V.	Loose Furnishings	3	$106,849.84	-
W.	Technology	3	$233,208.78	-
X.	Construction Contingency / Non-Construction Cost	-	$904,002.73	-
Total			$4,604,336.86	

Suitability Appraisal Summary

Section	Points Possible	Points Earned	Percentage	Rating Category
Cover Sheet	—	—	—	—
1.0 The School Site	100	88	88%	Satisfactory
2.0 Structural and Mechanical Features	200	110	55%	Borderline
3.0 Plant Maintainability	100	52	52%	Borderline
4.0 Building Safety and Security	200	136	68%	Borderline
5.0 Educational Adequacy	200	115	58%	Borderline
6.0 Environment for Education	200	135	68%	Borderline
LEED Observations	—	—	—	—
Commentary	—	—	—	—
Total	1000	636	64%	Borderline

Enhanced Environmental Hazards Assessment Cost Estimates

C=Under Contract	
Renovation Cost Factor	103.18%
Cost to Renovate (Cost Factor applied)	$4,750,754.77

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

Elevator Addition (2003) Summary

District:	Plain Local	**County:**	Stark	**Area:**	East Central Ohio (7)
Name:	Taft Elementary	**Contact:**	Ms. Kortney Milford		
Address:	3829 Guilford Ave NW	**Phone:**	330-491-3760		
	Canton,OH 44718	**Date Prepared:**	2024-05-30	**By:**	Julie Apt
Bldg. IRN:	41384	**Date Revised:**	2025-01-08	**By:**	Julie Apt

Current Grades	K-4	Acreage:	28.46
Proposed Grades	N/A	Teaching Stations:	35
Current Enrollment	392	Classrooms:	31
Projected Enrollment	N/A		

Addition	Date	HA	Number of Floors	Current Square Feet
Original Construction	1930	yes	1	52,860
Media Center & Classroom Addition	1960	yes	1	15,007
Elevator Addition	**2003**	**yes**	**2**	**94**
Total				**67,961**

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

Suitability Appraisal Summary

Section	Points Possible	Points Earned	Percentage	Rating Category
Cover Sheet	—	—	—	—
1.0 The School Site	100	88	88%	Satisfactory
2.0 Structural and Mechanical Features	200	110	55%	Borderline
3.0 Plant Maintainability	100	52	52%	Borderline
4.0 Building Safety and Security	200	136	68%	Borderline
5.0 Educational Adequacy	200	115	58%	Borderline
6.0 Environment for Education	200	135	68%	Borderline
LEED Observations	—	—	—	—
Commentary	—	—	—	—
Total	1000	636	64%	Borderline

Enhanced Environmental Hazards Assessment Cost Estimates

C=Under Contract	
Renovation Cost Factor	103.18%
Cost to Renovate (Cost Factor applied)	$233,614.51

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

FACILITY ASSESSMENT Cost Set: 2024		Rating	Dollar Assessment	C
A.	Heating System	3	$6,090.26	-
B.	Roofing	3	$148,928.78	-
C.	Ventilation / Air Conditioning	3	$47.00	-
D.	Electrical Systems	3	$3,502.44	-
E.	Plumbing and Fixtures	3	$851.64	-
F.	Windows	3	$7,894.20	-
G.	Structure: Foundation	1	$0.00	-
H.	Structure: Walls and Chimneys	2	$7,392.75	-
I.	Structure: Floors and Roofs	1	$0.00	-
J.	**General Finishes**	**3**	**$0.00**	-
K.	Interior Lighting	3	$791.48	-
L.	Security Systems	3	$469.06	-
M.	Emergency/Egress Lighting	3	$122.20	-
N.	Fire Alarm	3	$365.66	-
O.	Handicapped Access	2	$24.44	-
P.	Site Condition	3	$324.30	-
Q.	Sewage System	1	$0.00	-
R.	**Water Supply**	**3**	**$0.00**	-
S.	Exterior Doors	3	$3,239.12	-
T.	**Hazardous Material**	**3**	**$0.00**	-
U.	Life Safety	3	$456.84	-
V.	**Loose Furnishings**	**3**	**$0.00**	-
W.	Technology	3	$1,460.76	-
X.	Construction Contingency / Non-Construction Cost	-	$44,453.60	-
Total			$226,414.53	

A. Heating System

Description: The existing system for the Original Construction is a natural gas fired heated water boiler system, installed in 1930, and is in poor condition, supplemented by a VRV heat pump system, installed in 2022, and in good condition. The existing system for the 1960 Classroom Addition is an extension of that found in the Original Construction, supplemented by a VRV heat pump system, installed in 2022, and in good condition. The existing system for the 2003 Elevator Addition is an extension of that found in the Original Construction. 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 12 rooftop units, which were installed in 1994 & 2022 and are in poor and good condition respectively. The 1960 Addition is served by 4 rooftop units, which were installed in 2022 and are in good condition. The (2) Cast Iron Tube boilers, manufactured by Titusville, were installed in 1960 and are in poor condition. Heating water is distributed to terminal units consisting of unit ventilators, cabinet heaters, unit heaters, and fin tubes. The terminal equipment was installed in 1930 with upgrades in 1960 and 2022 and is in good to 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 2022 respectively and are in good 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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
HVAC System Replacement:	$54.42	sq.ft. (of entire building addition)		Required	Required	Required	$3,698,437.62	(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	$704,755.57	(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:			$4,403,193.19	$3,424,799.40	$972,303.53	$6,090.26		



Titusville Cast Iron Gas Fired Heating Water Boilers



Typical Classroom Unit Ventilator

Back to Assessment Summary

B. Roofing

Description: The roof over the Original Construction is a TPO system that is in poor condition ALSO HAS a BUR system that is in poor condition ALSO HAS a Tar and Gravel system that is in poor condition. ALSO HAS a EPDM system that is in fair to poor condition. The roof over the 1960 Addition is a EPDM system that was installed in 2010, and is in fair to poor condition ALSO HAS a Asphalt system that is in good condition ALSO HAS a Tar and Gravel system that is in poor condition. The roof over the 2003 Addition is a Asphalt system that was installed in 2003, and is in fair condition. There are no District reports of current leaking. No signs of past leaking were observed during the physical assessment. Access to the roof in the 1960 Addition was gained by access hatch / access ladder that are in poor condition. Access to the roof in the Original Construction was gained by access hatch / access ladder that are in poor condition. There were observations of standing water on the roof of the Original Construction above the gymnasium. 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 poor condition. The roof is not equipped with overflow roof drains though they will be required in areas of roof replacement though they are needed on this building.

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 systems and projected lifecycle. Due to existing conditions roof drains require replacement. Due to existing conditions correct ponding water on roof of gymnasium in Original Construction by removing and replacing existing ponding area.

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Membrane (all types / fully adhered):	$20.02	sq.ft. (Qty)		15,269 Required	7,223 Required	7,439 Required	$599,218.62	(unless under 10,000 sq.ft.)
Remove/replace existing roof Drains and Sump:	$1,554.78	each		9 Required			$13,993.02	
Roof Access Hatch:	$2,591.30	each		1 Required	1 Required		$5,182.60	(remove and replace)
Roof Access Ladder with Fall Protection Cage:	$129.57	ln.ft.		38 Required	0 Required	0 Required	$4,923.66	(remove and replace)
Roofing Replacement	$10.62	sq.ft. (Qty)		960 Required			$10,195.20	(Hazardous Material Replacement Cost - See T.)
Sum:			$633,513.10	$337,388.56	$147,195.76	$148,928.78		





roof insulation to be added - $4.14/sf
Roof sf - 67,961
Total =$281,358.54

Back to Assessment Summary

Additional insulation will increase cost of roof edge - additional blocking/parapet and fascia - $75/lf * 1,623 lf = $121,725

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 Daikin VRV Heat Pumps & 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 2022 and in good condition, providing fresh air to Classrooms, and unit ventilators and air handlers, installed in 1960 and 2022 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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 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	$33,980.50	Replace general building exhaust systems
Sum:			$40,458.75	$32,908.25	$7,503.50	$47.00		



Typical Classroom Unit Ventilator



Daikin VRV Heat Pumps

Back to Assessment Summary

D. Electrical Systems

Description: The electrical system provided to the Original Construction is a 277/480 volts, 400 amp, 3 phase, 4 wire system (along with a stepped down 120/208 volts, 600 amp, 3 phase, 4 wire system) installed in 1930, with system upgraded in 1960 and 2003, and is in good to poor condition. The system in the 1960 Classroom Addition and 2003 Elevator 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 1960 and 2003 is not OSDM-compliant, in good to poor condition, and cannot be expanded to add additional capacity. The Classrooms are not equipped with adequate electrical outlets. The typical Classroom contains 12 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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
System Replacement:	$37.26	sq.ft. (of entire building addition)		Required	Required	Required	$2,532,226.86	(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:			$2,532,226.86	$1,969,563.60	$559,160.82	$3,502.44		



Main Distribution Panels Located in Mechanical Room



Pole Mounted Transformer

Back to Assessment Summary

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 provided and is in fair condition. The domestic water supply piping in the overall facility is copper, was original to each addition, and is in poor condition. The waste piping in the overall facility ¬¬is cast iron, was installed in 1930 is original to each addition, and is in poor condition. The facility is equipped with 1 gas water heater in poor condition, with 1 separate 119 gallon storage tank in fair condition and 1 gas water heater in fair condition with 1 separate 40 gallon storage tank in fair condition. The school contains 4 Large Group Restrooms for boys, 4 Large Group Restrooms for girls, 0 Locker Room Restrooms for boys, 0 Locker Room Restrooms for girls, 0 Restrooms associated with specialty Classrooms, and 3 Restrooms for staff. The first Boys' Large Group Restroom in the Original Construction contains 0 ADA and 3 non-ADA wall mounted flush valve toilets, 0 ADA and 6 non-ADA floor mounted flush valve urinals, as well as 2 ADA and 1 non-ADA wall mounted lavatories. The second Boys' Large Group Restroom in the Original Construction contains 0 ADA and 1 non-ADA wall mounted flush valve toilets, 0 ADA and 1 non-ADA floor mounted flush valve urinals, as well as 1 ADA and 0 non-ADA wall mounted lavatories. The third Boys' Large Group Restroom, in the 1960 Addition, contains 1 ADA and 1 non-ADA wall mounted flush valve toilets, 0 ADA and 3 non-ADA floor mounted flush valve urinals, as well as 3 ADA and 0 non-ADA wall mounted lavatories. The fourth Boys' Large Group Restroom in the Original Construction contains 0 ADA and 3 non-ADA wall mounted flush valve toilets, 0 ADA and 5 non-ADA floor mounted flush valve urinals, as well as 0 ADA and 3 non-ADA wall mounted lavatories. The first Girls' Large Group Restroom in the Original Construction contains 0 ADA and 7 non-ADA wall mounted flush valve toilets, as well as 2 ADA and 1 non-ADA wall mounted lavatories. The second Girls' Large Group Restroom in the Original Construction contains 0 ADA and 1 non-ADA wall mounted flush valve toilets, as well as 0 ADA and 1 non-ADA wall mounted lavatories. The third Girls' Large Group Restroom in the 1960 Addition contains 0 ADA and 5 non-ADA wall mounted flush valve toilets, as well as 3 ADA and 0 non-ADA wall mounted lavatories. The fourth Girls' Large Group Restroom in the Original Construction contain 0 ADA and 7 non-ADA wall mounted flush valve toilets, as well as 3 ADA and 0 non-ADA wall mounted lavatories. The first Staff Restroom in the Original Construction contains 1 ADA and 0 non-ADA floor mounted flush valve toilets, 0 ADA and 0 non-ADA floor mounted urinals, as well as 1 ADA and 0 non-ADA wall mounted lavatories. Condition of fixtures is fair to poor. The second Staff Restroom in the Original Construction contains 0 ADA and 1 non-ADA floor mounted flush valve toilets, 1 ADA and 0 non-ADA floor mounted urinals, as well as 1 ADA and 0 non-ADA wall mounted lavatories. Condition of fixtures is fair to poor. The third Staff Restroom in the Original Construction contains 0 ADA and 1 non-ADA floor mounted flush valve toilets, 0 ADA and 0 non-ADA floor mounted urinals, as well as 1 ADA and 0 non-ADA countertop lavatories. Condition of fixtures is fair to poor. The fourth Staff Restroom in the Original Construction contains 0 ADA and 1 non-ADA floor mounted flush valve toilets, 0 ADA and 0 non-ADA floor mounted urinals, as well as 0 ADA and 1 non-ADA countertop lavatories. Condition of fixtures is fair to poor. The facility is equipped with 5 ADA and 0 non-ADA drinking fountains, as well as 0 ADA and 0 non-ADA electric water coolers, in poor condition. The 33 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 to poor condition. Heath Clinic is not equipped with the required Restroom. Due to existing grade configuration, Kindergarten / Pre-K Classroom Restroom considerations are not relevant. Kitchen fixtures consist of 1 single compartment sink, 2 double compartment sink, 3 triple compartment sink, 1 dishwasher, 1 disposal, which are in good to poor condition. The Kitchen is equipped with an unsatisfactory grease interceptor due to condition. The Kitchen is not 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 10 toilets, 8 urinals, 13 lavatories, 29 Classroom sink mounted drinking fountains, and 5 electric water coolers. Observations revealed that the school is currently equipped with 34 toilets, 16 urinals, 24 lavatories, 0 Classroom sink mounted drinking fountains, and 3 electric water coolers. ADA requirements are not met for fixtures and drinking fountains (see Item O). Custodial Closets are properly located and are 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 provided. Elevator shaft is provided the code required sump.

Rating: 3 Needs Replacement

Recommendations: Due to age, condition, LEED, OBC and OFCC requirements, provide 9 new toilets / 4 new lavatories / 5 new urinals / 2 new electric water coolers / 33 new lavatory mounted type drinking fountains. Replace sanitary waste piping and domestic water piping in the overall facility due to age and condition. See Item O for replacement of fixtures related to ADA requirements.

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Domestic Supply Piping:	$4.53	sq.ft. (of entire building addition)		Required	Required	Required	$307,863.33	(remove / replace)
Sanitary Waste Piping:	$4.53	sq.ft. (of entire building addition)		Required	Required	Required	$307,863.33	(remove / replace)
Toilet:	$1,943.48	unit		7 Required	2 Required		$17,491.32	(remove / replace) See Item O
Urinal:	$1,943.48	unit		4 Required	1 Required		$9,717.40	(remove / replace)
Sink:	$1,943.48	unit		4 Required			$7,773.92	(remove / replace)
Electric water cooler:	$3,886.95	unit			2 Required		$7,773.90	(double ADA)
Other: Lavatory Mounted Drinking Fountain	$650.00	per unit		23 Required	10 Required		$21,450.00	(new)
Sum:			$679,933.20	$523,013.80	$156,067.76	$851.64		





Back to Assessment Summary

F. Windows

Description:

Rating: 3 Needs Replacement

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

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Insulated Glass/Panels:	$131.57	sq.ft. (Qty)		6,371 Required	2,471 Required	60 Required	$1,171,236.14	(includes integral blinds and removal of existing windows)
Storefront System:	$74.50	sq.ft. (Qty)		352 Required	89 Required	0 Required	$32,854.50	(includes demo of existing and replacement with new)
Sum:			$1,204,090.64	$864,456.47	$331,739.97	$7,894.20		





Back to Assessment Summary

G. Structure: Foundation

Description: The overall facility is equipped with a concrete masonry unit wall foundation with concrete footings, which displayed no locations of significant differential settlement, cracking, or leaking, and is in 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 1960 Addition is equipped with a concrete masonry unit foundation with concrete footings, which displayed no locations of significant differential settlement, cracking, or leaking, and is in good condition. No significant issues related to foundation cracking or spalling were encountered. The 2003 Addition is equipped with a concrete masonry unit foundation with concrete footings, which displayed no locations of significant differential settlement, cracking, or leaking, and is 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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Sum:			$0.00	$0.00	$0.00	$0.00		

Back to Assessment Summary

H. Structure: Walls and Chimneys

Description: The overall facility has a brick veneer on load bearing masonry wall system, which displays locations of deterioration, and is in fair condition. The exterior masonry appears not to have any caulked control joints. Control joints are provided at lintel locations, at doors and windows, building corners, and wall offsets and are in fair condition. The school does not contain expansion joints, and none are needed, as there is no indication of exterior masonry cracking or separation. The 1960 Addition has a brick veneer on load bearing masonry wall system, which displayed locations of deterioration, and is in fair condition. The 2003 Addition has a brick veneer on load bearing masonry wall system, which displayed no locations of deterioration, and is in good condition. Exterior walls in the overall facility are not adequately insulated. Brick veneer masonry walls are not cavity walls. Exterior walls in the 1960 Addition are not adequately insulated. Brick veneer masonry walls are not cavity walls. Exterior walls in the 2003 Addition are not adequately insulated. Brick veneer masonry walls are not cavity walls. Weep holes are not provided. Vents are not provided. The exterior masonry has not been cleaned and sealed in recent years and has locations of efflorescence and mold. Architectural exterior accent materials consist of metal, which is in poor condition. Exterior building fenestration in the overall facility represents 39.30% of the exterior surfaces. Exterior building fenestration in the 1960 Addition represents (12.48%) of the exterior surfaces. Exterior building fenestration in the 2003 Addition represents 0% of the exterior surfaces. Classrooms feature existing unit ventilators which will need to be removed and infilled with the replacement of existing HVAC systems. Interior Corridor and demising walls are concrete masonry units, project full height from floor to bottom of deck, and are in 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 good condition. The windowsills are an element of the aluminum window system and are in good condition. The exterior lintels are precast steel and are rusting. There are no chimneys. Canopies over entrances are steel type construction and are in fair condition. Exterior soffits are of steel type construction, and in fair condition. The school is provided with a covered concrete and masonry conventional loading dock to facilitate the receipt of products, supplies, and foodstuffs, 432 square feet in size. The dock itself is in fair condition and is equipped with bumper pads in good condition.

Rating: 2 Needs Repair

Reduce by 50% - not required at entire facade

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 Recaulk existing control joints. AND Prep and paint exposed steel lintels through the overall facility. AND Remove existing unit ventilator vents and infill with appropriate masonry.

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Tuckpointing:	$9.72	sq.ft. (Qty)		18,914 Required	8,119 Required	555 Required	$268,155.36	(wall surface)
Exterior Masonry Cleaning:	$1.95	sq.ft. (Qty)		18,914 Required	8,119 Required	555 Required	$53,796.60	(wall surface)
Exterior Masonry Sealing:	$1.30	sq.ft. (Qty)		18,914 Required	8,119 Required	555 Required	$35,864.40	(wall surface)
Exterior Caulking:	$9.72	ln.ft.		1,023 Required	688 Required	20 Required	$16,825.32	(removing and replacing)
Unit Vent infill	$73.90	sq.ft. (Qty)		91 Required	25 Required		$8,572.40	Per SF of infill
Sum:			$383,214.08	$261,983.04	$113,838.29	$7,392.75		





Back to Assessment Summary

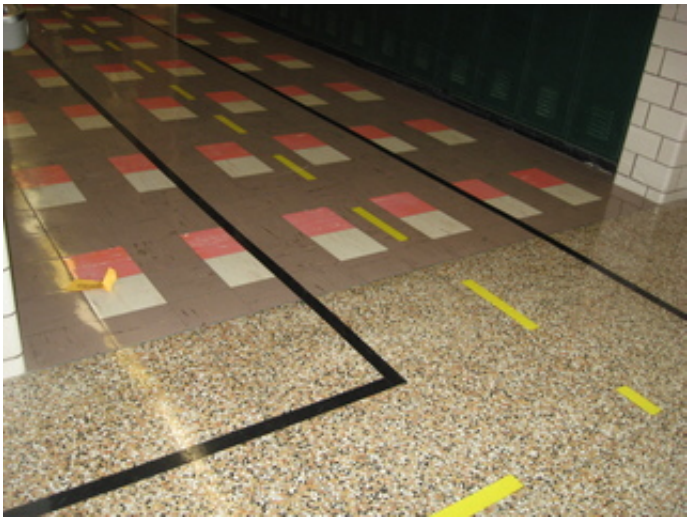
I. Structure: Floors and Roofs

Description: The floor construction of the base floor of the overall facility is concrete slab on grade type construction and is in good condition. A crawl space is located under the south classroom wing section of the facility. The floor construction of the base floor of the 1960 Addition is concrete slab on grade type construction and is in good condition. There is no crawl space. The floor construction of the base floor of the 2003 Addition is concrete slab on grade type construction and is in good condition. There is no crawl space. The floor construction of the second floor of the overall facility is cast-in-place concrete 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 cast-in-place concrete type construction and is in good condition. The roof construction of the 1960 Addition is steel type construction and is in good condition. The roof construction of the 2003 Addition is steel type construction and is in good condition.

Rating: 1 Satisfactory

Recommendations: Refer to Item A for funding of architectural soffits to accommodate HVAC, electrical, and plumbing scopes of work.

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Sum:			$0.00	$0.00	$0.00	$0.00		





Back to Assessment Summary

Warming kitchen replacement - $145.76/sf

J. General Finishes

Description: The 1930 Original Construction features conventionally partitioned Classrooms with VAT and carpet type flooring, acoustical tile type ceilings, as well as painted block, glazed block, and gypsum board type wall finishes, and they are in poor condition. The 1930 Original Construction has Corridors with terrazzo and VAT type flooring, acoustical tile type ceilings, as well as painted block and glazed block type wall finishes, and they are in poor condition. The 1930 Original Construction has Restrooms with terrazzo, ceramic tile, and VCT type flooring, acoustical tile type ceilings, as well as painted block, glazed block, and gypsum board type wall finishes, and they are in fair to poor condition. Toilet partitions are metal and plastic laminate, and are in poor condition. The 1960 Addition features conventionally partitioned Classrooms with VAT and carpet type flooring, acoustical tile type ceilings, as well as painted block, glazed block, and gypsum board type wall finishes, and they are in poor condition. The 1960 Addition has Corridors with terrazzo type flooring, acoustical tile type ceilings, as well as painted block, glazed block, and brick type wall finishes, and they are in poor condition. The 1960 Addition has Restrooms with terrazzo and ceramic tile type flooring, acoustical tile type ceilings, as well as painted block and glazed block type wall finishes, and they are in poor condition. Toilet partitions are metal and plastic laminate, and are in poor condition. The 2003 Addition does not contain any Classrooms, Corridors, or Restrooms. Classroom casework in the 1930 Original Construction is wood, metal and plastic laminate type construction with plastic laminate tops, is inadequately provided, and in poor condition. The typical Classroom contains 9 lineal feet of casework, and Classroom casework provided ranges from 6 to 28 feet. Classrooms are provided adequate chalkboards, markerboards, and tackboards which are in fair to poor condition. The lockers and Classroom storage cubbies, located in the Classrooms and Corridors, are adequately provided, and in poor condition. Classroom casework in the 1960 Addition is wood and metal type construction with plastic laminate tops, is inadequately provided, and in poor condition. The typical Classroom contains 3 lineal feet of casework, and Classroom casework provided ranges from 3 to 27 feet. Classrooms are not provided adequate chalkboards, markerboards, and tackboards which are in fair to poor condition. The lockers, located in the Corridors, are adequately provided, and in poor condition. The Art program is equipped with a kiln, which is located in the Custodial Office and is in good condition. The facility is equipped with wood louvered and non-louvered interior doors that are flush mounted mostly without proper ADA hardware and clearances, and in poor condition. The Gymnasium space has wood type flooring, plaster type ceilings, as well as painted block and glazed block type wall finishes, and they are in fair to poor condition. Wood Gymnasium flooring has been well maintained, will accommodate a few future sandings and refinishings, and is rated at an advanced stage of its product lifecycle. Gymnasium telescoping stands are wood in poor condition. Gymnasium basketball backboards are electrically operated type, and are in fair condition. The Gymnasium is not equipped with adequate Gym Dividers. The Gymnasium is not equipped with adequate wall safety padding. The Media Center, located in the 1960 Addition, has carpet type flooring, tectum type ceilings, as well as painted block and gypsum board type wall finishes, and they are in poor condition. Student Dining, located in the 1930 Original Construction, has VAT type flooring, acoustical tile type ceilings, as well as painted block type wall finishes, and they are in poor condition. OSDM-required fixed equipment for Stage is not provided. 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, is undersized based on current enrollment, and the existing Kitchen equipment, installed at various times, is in good to fair condition. The Kitchen hood is in good condition, and is not equipped with the required UL 300 compliant wet chemical fire suppression system. The required 6'' overhang on all three exposed sides of the cooking equipment is provided by the hood. Kitchen hood exhaust ductwork is of proper construction, material, and insulation and installed as required by the OSDM and OBCMC. 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 due to age and condition. Provide for new toilet partitions due to age and condition. Provide for urinal screens. Provide for replacement of interior doors and hardware, due to age and condition. Provide for new bleachers due to age and condition.

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Complete Replacement of Finishes and Casework (Elementary):	$35.95	sq.ft. (of entire building addition)		Required	Required		$2,439,818.65	(elementary, per building area, with removal of existing)
Toilet Partitions:	$1,606.50	per stall		25 Required	5 Required		$48,195.00	(removing and replacing)
Urinal Screens	$749.70	per unit		9 Required	3 Required		$8,996.40	
Door, Frame, and Hardware:	$1,684.34	each		69 Required	22 Required		$153,274.94	(non-ADA)
Bleacher Replacement	$142.53	per seat		392 Required			$55,871.76	(based on current enrollment)
Sum:			$2,706,156.75	$2,119,318.02	$586,838.73	$0.00		



Worn and Torn Carpet



Toilet Partitions to be Replaced

Back to Assessment Summary

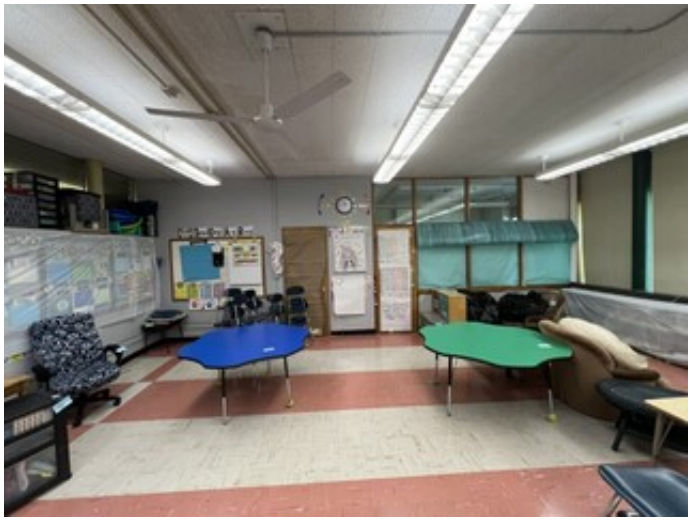
K. Interior Lighting

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 fluorescent fixtures retrofitted with LED T8 bulbs with dual level switching. Classroom fixtures are in fair to poor condition, providing an average illumination of 37 FC, which is less than 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 45 FC, thus complying with the 30 FC recommended by the OSDM. The Media Center is equipped with 1x4 indirect suspended 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 54 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 43 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.

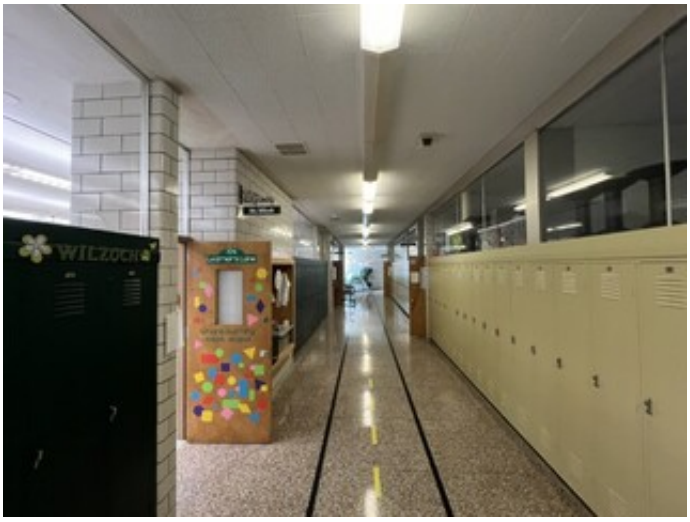
Rating: 3 Needs Replacement

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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Complete Building Lighting Replacement	$8.42	sq.ft. (of entire building addition)		Required	Required	Required	$572,231.62	Includes demo of existing fixtures
Sum:			$572,231.62	$445,081.20	$126,358.94	$791.48		



Typical Classroom Lighting



Typical Corridor Lighting

Back to Assessment Summary

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 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.

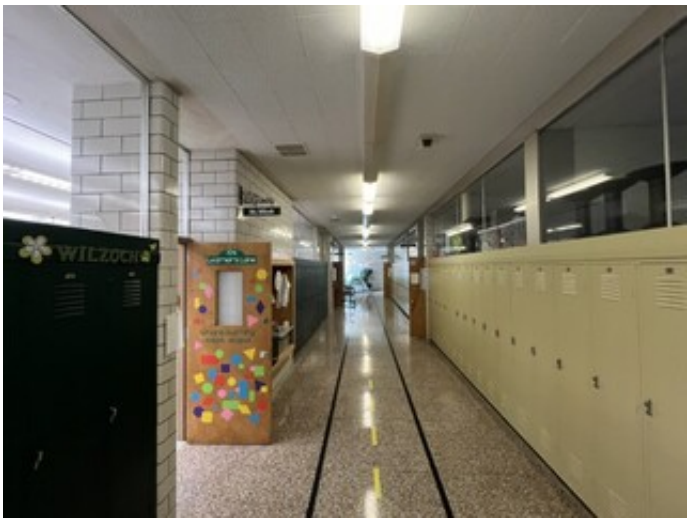
Rating: 3 Needs Replacement

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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Security System:	$3.69	sq.ft. (of entire building addition)		Required	Required	Required	$250,776.09	(complete, area of building)
Exterior Site Lighting:	$1.30	sq.ft. (of entire building addition)		Required	Required	Required	$88,349.30	(complete, area of building)
Sum:			$339,125.39	$263,771.40	$74,884.93	$469.06		



Automated Visitor Entry Control System Near Secure Entry Vestibule



Typical Main Corridor Camera

Back to Assessment Summary

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, as well as, OSDM compliant red lettered, cast aluminum construction, LED 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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Emergency/Egress Lighting:	$1.30	sq.ft. (of entire building addition)		Required	Required	Required	$88,349.30	(complete, area of building)
Sum:			$88,349.30	$68,718.00	$19,509.10	$122.20		



Internally Lit Exit Sign



Egress Light Wall Pack with Battery Backup

Back to Assessment Summary

N. Fire Alarm

Description: The overall facility is equipped with an Edwards iO Series type fire alarm system, installed in 2003, and in good 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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Fire Alarm System:	$3.89	sq.ft. (of entire building addition)		Required	Required	Required	$264,368.29	(complete new system, including removal of existing)
Sum:			$264,368.29	$205,625.40	$58,377.23	$365.66		



Remote Annunciator Panel at Main Visitor Entry



Fire Alarm System Main Panel And Battery Backup Located Outside Main Mechanical Room

Back to Assessment Summary

O. Handicapped Access

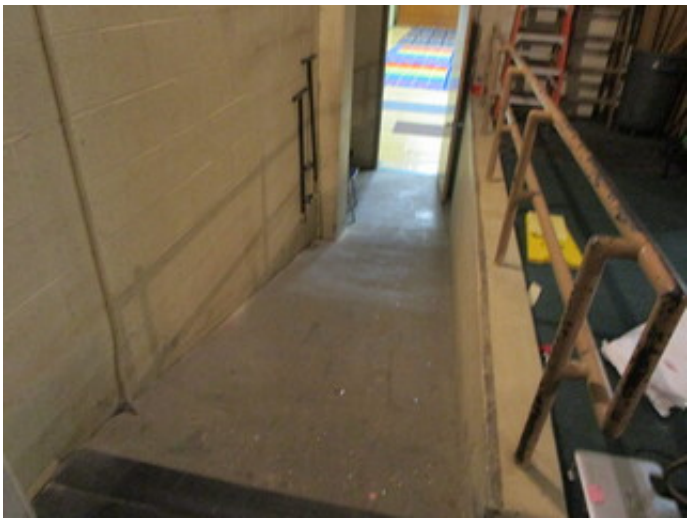
Description: At the site, there is an accessible route provided from the public right-of-way, the accessible parking areas, and from the passenger unloading zone to the main entrance of the school. There is an accessible route connecting all or most areas of the site. The exterior entrances are not all ADA accessible due to lack of 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 not equipped with ADA hardware in the overall facility. Building entrances should be equipped with 2 ADA power assist doors at main entrance in Original Construction, 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 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 the ramps excessive steepness, making it unsafe for use. Elevation changes within the overall facility are facilitated by 2 compliant stairwells in fair condition, 1 non-compliant ramps in poor condition. This multistory building has a compliant elevator that accesses every floor and is in fair to poor condition. Access to the Stage is facilitated by ramp and is in poor condition. Interior doors are not recessed, are provided adequate clearances, and are not provided with ADA-compliant hardware. 8 ADA-compliant toilets are required, and 0 are currently provided. 8 ADA-compliant Restroom lavatories are required, and 26 are currently provided. 4 ADA-compliant urinals are required, and 0 are currently provided. 0 ADA-compliant showers are required, and 0 are currently provided. 3 ADA-compliant electric water coolers are required, and 3 are currently provided. Toilet partitions are metal / plastic, and do not provide appropriate ADA clearances. ADA-compliant accessories are not adequately provided and mounted. Mirrors do not meet ADA requirements for mounting heights. Due to existing grade configuration, no Science Classroom considerations require evaluation. Health Clinic and Special Education Restrooms are not compliant with ADA requirements due to lack of restroom facilities. ADA signage is not provided on both the interior and the exterior of the building.

Rating: 2 Needs Repair

Recommendations: Provide ADA-compliant signage, 2 power assist door opener, 1 ramp, 4 urinals, 1 toilet partition, 8 toilets, door hardware in the overall facility, to facilitate the school's meeting of ADA requirements. Parking issues are corrected in Item P.

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Signage:	$0.26	sq.ft. (of entire building addition)		Required	Required	Required	$17,669.86	(per building area)
Ramps:	$51.83	sq.ft. (Qty)		57 Required			$2,954.31	(per ramp/interior-exterior complete)
Toilet/Urinals/Sinks:	$4,923.47	unit		8 Required	4 Required		$59,081.64	(new ADA)
Toilet Partitions:	$1,606.50	stall		1 Required			$1,606.50	(ADA - grab bars, accessories included)
ADA Assist Door & Frame:	$9,717.38	unit		2 Required			$19,434.76	(openers, electrical, patching, etc)
Sum:			$100,747.07	$77,126.93	$23,595.70	$24.44		





Back to Assessment Summary

P. Site Condition

Description: The 28 acre flat site is located in a suburban residential setting with moderate tree and shrub type landscaping. The site is shared with William Day Elementary School. Outbuildings include a storage garage and two storage sheds. There are no apparent problems with erosion or ponding. The site is bordered by moderately traveled city streets. Multiple entrances onto the site don't provide proper separation of bus and other vehicular traffic, and a bus loop is provided but access to it is partially shared with William Day Elementary School. There is a curbside bus loading and unloading zone at the side of the school, which is completely separated from other vehicular traffic. Staff and visitor parking is facilitated by a multiple asphalt parking lots, shared with William Day Elementary, and in fair to poor condition, containing 181 parking places, which provides adequate parking for staff members, visitors, and the disabled. The site and parking lot drainage design, consisting of slopes, catch basins, and storm sewers, provides adequate evacuation of storm water, and no problems with parking lot ponding were observed. Concrete curbs in fair to poor condition are appropriately placed. Concrete sidewalks are properly sloped, are located to provide a logical flow of pedestrian traffic, and are in poor condition. Trash pick-up and service drive pavement is heavy duty, is in fair to poor condition, and is not equipped with a concrete pad area for dumpsters. There is chain link fencing around the perimeter of the playground, which is separated from vehicular traffic. The playground equipment is primarily constructed of metal, with some high density plastic, and is in poor condition. Playground equipment is placed to provide compliant fall zones, and on a compliant wood fiber mulch of sufficient depth. Hard surface play areas are provided on an asphalt surface in fair to poor condition. The site is equipped with one picnic table in fair condition. The athletic facilities are comprised of five baseball fields and two multi-purpose fields, shared with William Day Elementary and are in good to fair condition. Site features are suitable for outdoor instruction, though no related equipment has been provided to facilitate doing so.

Rating: 3 Needs Replacement

Recommendations: Provide for a concrete pad for dumpster. Provide for new asphalt paving in all parking lots. (Funding shared with William Day Elementary.) Provide for new concrete sidewalk. Provide for new concrete curb. Provide for new playground equipment.

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Playground Equipment:	$1.95	sq.ft. (Qty)		52,860 Required	15,007 Required	94 Required	$132,523.95	(up to $142,000; per sq.ft. of school)
Removal of existing Playground Equipment:	$2,591.30	lump sum		Required			$2,591.30	
New Asphalt Paving (light duty):	$33.44	sq. yard		5,604 Required			$187,397.76	
Concrete Curb:	$41.47	ln.ft.		1,011 Required			$41,926.17	(new)
Concrete Sidewalk:	$9.72	sq.ft. (Qty)		6,012 Required			$58,436.64	(5 inch exterior slab)
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	$101,941.50	Include this one **or** the next. (Each addition should have this item)
Sum:			$577,926.88	$525,828.43	$51,774.15	$324.30		

Mill/Fill SD&HD pavement - 101,657 sf = 11,295.22 sy x $42.84 = $483,887.32

DELTA $ 296,489 additional

Playground soft surface $39,651.72



Cracked Sidewalk



Dumpster Without Concrete Pad

Back to Assessment Summary

Q. Sewage System

Description: The sanitary sewer system is tied in to the county system, and is in good to fair condition. No significant system deficiencies were reported by the school district or noted during the physical assessment.

Rating: 1 Satisfactory

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

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Sum:			$0.00	$0.00	$0.00	$0.00		



Floor Drain Located in Group Restroom



Floor Drain & Recessed Grease Interceptor in Kitchen

Back to Assessment Summary

R. Water Supply

Description: The domestic water supply system is tied in to the municipal system, features 3'' service and 3'' water meter, and is in good condition. The District was able to provide water supply flow test data. The water service provides 8.2 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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 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



Typical Classroom Sink

Back to Assessment Summary

S. Exterior Doors

Description: Typical exterior doors in the overall facility are aluminum type construction, installed on aluminum frames, and in good condition. Typical exterior doors feature single insulated tempered glass vision panels, and appropriate hardware. Typical exterior doors in the 1960 Addition are aluminum type construction, installed on aluminum frames, and in good condition. Typical exterior doors feature single insulated tempered glass vision panels, and appropriate hardware. Typical exterior doors in the 2003 Addition are aluminum type construction, installed on aluminum frames, and in good condition. Typical exterior doors feature single insulated tempered glass vision panels, and appropriate hardware. Entrance doors in the overall facility 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. 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 due to age.

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Door Leaf/Frame and Hardware:	$3,239.12	per leaf		14 Required	6 Required	1 Required	$68,021.52	(includes removal of existing)
Sum:			$68,021.52	$45,347.68	$19,434.72	$3,239.12		





Back to Assessment Summary

T. Hazardous Material

Description: The School District provided the AHERA six month reinspection reports, prepared by Environmental Support Network Inc., and dated May 2024, documenting known and assumed locations of asbestos and other hazardous materials. Vinyl asbestos floor tile and mastic, Plaster Ceiling, Pipe fittings, Gaskets, Boiler gaskets, and Boiler breeching containing hazardous materials are located in the 1930 Original Construction, in poor condition. These materials were described in the report to be in friable and non-friable condition with moderate damage. Vinyl asbestos floor tile and mastic containing hazardous materials are located in the 1960 Addition, in poor condition. These materials were described in the report to be in non-friable condition with 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 in the 1930 Original Construction and 1960 Addition, as noted in the attached Environmental Hazards Assessment. Provide for the testing of paint that has the potential of being lead-based. Provide for disposal of fluorescent lighting. The OFCC will perform an independent Enhanced Environmental Assessment (EEA), prior to finalizing master plan.

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Environmental Hazards Form				EHA Form	EHA Form		—	
Breeching Insulation Removal	$16.07	sq.ft. (Qty)		182 Required	0 Required		$2,924.74	
Estimated Cost For Abatement Contractor to Perform Lead Mock-Ups	$1.30	per unit		0 Required	5,000 Required		$6,500.00	
Fluorescent Lamps & Ballasts Recycling/Incineration	$0.13	sq.ft. (Qty)		20 Required	0 Required		$2.60	
Pipe Fitting Insulation Removal	$32.40	each		129 Required	0 Required		$4,179.60	
Pipe Insulation Removal (Crawlspace/Tunnel)	$28.92	ln.ft.		100 Required	0 Required		$2,892.00	
Pipe Fitting Insulation Removal (Crawlspace/Tunnel)	$45.35	each		50 Required	0 Required		$2,267.50	
Hard Plaster Removal	$9.64	sq.ft. (Qty)		4,550 Required	0 Required		$43,862.00	See J
Resilient Flooring Removal, Including Mastic	$4.28	sq.ft. (Qty)		28,693 Required	7,537 Required		$155,064.40	See J
Sum:			$217,692.84	$178,934.48	$38,758.36	$0.00		



Damaged VAT In Classroom



Damaged/Patched VAT

Back to Assessment Summary

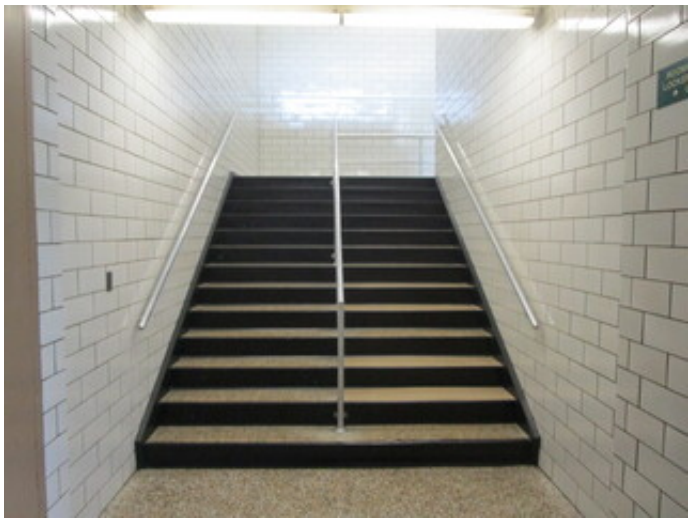
U. Life Safety

Description: The overall facility is not equipped with a compliant automated fire suppression system. Exit Corridors are situated such that dead-end Corridors are not present. The facility features 2 interior stair towers, which are not protected by compliant two hour fire enclosures. The facility does not have any exterior stairways from intermediate floors. The Kitchen hood is in poor condition, and does not include equipment that requires fire suppression. 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 provided and existing elevator is compliant with ASME A17.1 and ADAAG. The facility is not equipped with an emergency generator. The existing water supply is provided by a tie-in to the municipal system, and is insufficient 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 not currently provided.

Rating: 3 Needs Replacement

Recommendations: Provide 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.

Item	Cost	Unit	Whole Building	Original Construction (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
Sprinkler / Fire Suppression System:	$4.86	sq.ft. (Qty)		52,860 Required	15,007 Required	94 Required	$330,290.46	(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:			$344,760.97	$271,370.11	$72,934.02	$456.84		





Back to Assessment Summary

V. Loose Furnishings

Description: The typical Classroom furniture is mismatched, and in generally poor condition, consisting of student desks & chairs, teacher desks & chairs, file cabinets, reading tables, bookcases, storage cubbies, and 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 4 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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
CEFPI Rating 4 to 5	$7.12	sq.ft. (of entire building addition)		Required	Required		$483,213.04	
Sum:			$483,213.04	$376,363.20	$106,849.84	$0.00		



Worn and Damaged Teacher Desk



Worn and Mismatched Furniture

Back to Assessment Summary

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 (1930) 52,860 ft²	Media Center & Classroom Addition (1960) 15,007 ft²	Elevator Addition (2003) 94 ft²	Sum	Comments
ES portion of building with total SF 50,000 to 69,360	$15.54	sq.ft. (Qty)		52,860 Required	15,007 Required	94 Required	$1,056,113.94	
Sum:			$1,056,113.94	$821,444.40	$233,208.78	$1,460.76		



Network Infrastructure Rack Located in Janitors Closet



Typical Classroom Wireless Internet Access Point

Back to Assessment Summary

X. Construction Contingency / Non-Construction Cost

Renovation Costs (A-W)		$16,695,965.41
7.00%	Construction Contingency	$1,168,717.58
Subtotal		$17,864,682.99
16.29%	Non-Construction Costs	$2,910,156.86
Total Project		**$20,774,839.85**

Construction Contingency	$1,168,717.58
Non-Construction Costs	$2,910,156.86
Total for X.	**$4,078,874.44**

Non-Construction Costs Breakdown		
Land Survey	0.03%	$5,359.40
Soil Borings / Phase I Envir. Report	0.10%	$17,864.68
Agency Approval Fees (Bldg. Code)	0.25%	$44,661.71
Construction Testing	0.40%	$71,458.73
Printing - Bid Documents	0.15%	$26,797.02
Advertising for Bids	0.02%	$3,572.94
Builder's Risk Insurance	0.12%	$21,437.62
Design Professional's Compensation	7.50%	$1,339,851.22
CM Compensation	6.00%	$1,071,880.98
Commissioning	0.60%	$107,188.10
Non-Construction Contingency (includes partnering and mediation services)	1.12%	$200,084.45
Total Non-Construction Costs	**16.29%**	**$2,910,156.86**

Back to Assessment Summary

School Facility Appraisal - Plain Local

Name of Appraiser	Julie Apt	**Date of Appraisal**	2024-05-30
Building Name	Taft Elementary		
Street Address	3829 Guilford Ave NW		
City/Town, State, Zip Code	Canton, OH 44718		
Telephone Number(s)	330-491-3760		
School District	Plain Local		

Setting: Small City

Site-Acreage	28.46	Building Square Footage	67,961
Grades Housed	K-4	Student Capacity	544
Number of Teaching Stations	35	Number of Floors	1
Student Enrollment	392		
Dates of Construction	1930,1960,2003		

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	

Back to Assessment Summary

Bottom of page

Suitability Appraisal of **1.0 The School Site** for Taft Elementary (041384)

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	*25*
The site is 28 acres compared to 13 acres required by the OSDM. The site is shared with William Day Elementary.		
1.2 **Site is easily accessible** and conveniently located for the present and future population	20	*20*
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	*10*
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	*9*
The site is moderately landscaped with mature shade trees, ornamental trees, and shrubs which define the property and emphasize the building entrance.		
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	*5*
Playground areas consist of metal type play equipment, which is in poor condition, and is located on wood fiber mulch which is an approved soft surface material. Fencing is provided to separate vehicular traffic from pedestrians.		
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	*3*
The site has been developed to accommodate outdoor learning, though no related equipment has been provided to facilitate doing so.		
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, and community parking, and is located on asphalt pavement in fair to poor condition.		
TOTAL - 1.0 The School Site	100	*88*

Bottom of page

Suitability Appraisal of **2.0 Structural and Mechanical Features** for Taft Elementary (041384)

2.0 Structural and Mechanical Features	Points Allocated	Points
Structural		
2.1 Structure meets all **barrier-free** requirements both externally and internally	15	*10*
Entire building meets all ADA requirements except Restrooms, Stage access, signage, some exterior doors and power assist door.		
2.2 **Roofs** appear sound, have positive drainage, and are weather tight	15	*4*
The roofs over the entire building require replacement.		
2.3 **Foundations** are strong and stable with no observable cracks	10	*10*
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	*8*
Exterior and interior walls are in good condition, have sufficient control and expansion joints, and are free from deterioration.		
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 in Classroom flooring, Gymnasium plaster ceiling, and pipe fittings.		
2.8 Interior walls permit sufficient **flexibility** for a variety of class sizes	10	*6*
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	*2*

Drainage systems exhibit some signs of leaking and are in fair to poor condition.

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	*2*

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

TOTAL - 2.0 Structural and Mechanical Features	200	*110*

Bottom of page

Suitability Appraisal of **3.0 Plant Maintainability** for Taft Elementary (041384)

3.0 Plant Maintainability	Points Allocated	Points
3.1 **Windows, doors, and walls** are of material and finish requiring minimum maintenance	15	*12*
Exterior materials and finishes for doors, windows and walls are durable and require minimal maintenance.		
3.2 **Floor surfaces** throughout the building require minimum care	15	*9*
Flooring throughout the facility consists of VCT, VAT, terrazzo, carpet, and ceramic tile 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 metal, wood, and plastic laminate 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 is mostly consistent throughout the facility, but 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	*8*
Custodial storage space is adequately located throughout the facility, including provisions for water and drains.		
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	*52*

Bottom of page

Suitability Appraisal of **4.0 Building Safety and Security** for Taft Elementary (041384)

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	*14*
Student loading is separated from vehicular traffic and pedestrian walkways.		
4.2 **Walkways**, both on and offsite, are available for safety of pedestrians	10	*8*
Walkways are adequately provided both on and off-site for pedestrian safety.		
4.3 **Access streets** have sufficient signals and signs to permit safe entrance to and exit from school area	5	*5*
School signs and signals are located as required on adjacent access streets.		
4.4 **Vehicular entrances and exits** permit safe traffic flow	5	*2*
Buses and other vehicular traffic use the same entrance and exit points to the site, which does not provide 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 metal and some high density plastic equipment in poor condition, 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 not enclosed, and are ADA and OBC compliant.		
4.8 **Exterior doors** open outward and are equipped with panic hardware	10	*10*
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	*6*
Classroom doors are not recessed from the Corridor but open inward, which doesn't impede traffic flow in the Corridors.		
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 well 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	*5*
Glass at door transoms and sidelights is tempered for safety.		
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	*4*

Exits are properly located to allow safe egress from the building. Stairways empty to the exterior, or adjacent to a Corridor leading to the exterior.

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	*12*

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	*136*

Bottom of page

Suitability Appraisal of **5.0 Educational Adequacy** for Taft Elementary (041384)

5.0 Educational Adequacy	Points Allocated	Points
Academic Learning Space		
5.1 **Size of academic learning areas** meets desirable standards	25	*15*
The average Classroom is 795 SF compared to 900 SF required by the OSDM.		
5.2 **Classroom space** permits arrangements for small group activity	15	*9*
Classrooms are somewhat 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	*6*
The Gymnasium and Music program are somewhat 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	*6*
Classrooms are somewhat large enough to allow privacy time for individual students.		
5.5 **Storage for student materials** is adequate	10	*8*
Lockers and storage cubbies, located in the Corridor and Classrooms, are adequately provided for student storage.		
5.6 **Storage for teacher materials** is adequate	10	*4*
Miscellaneous wood and metal shelving units and Casework are mostly inadequately provided for teacher storage.		
Special Learning Space	Points Allocated	Points
5.7 **Size of special learning area(s)** meets standards	15	*15*
The Special Education Classrooms total 1,001 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 properly designed to meet instructional needs.		
5.9 **Library**/**Resource**/**Media Center** provides appropriate and attractive space	10	*4*
The Media Center provides a lot of natural light and sufficient book storage space but is very worn and divided by a lot of decorative walls and countertops.		
5.10 **Gymnasium (or covered P.E. area)** adequately serves physical education instruction	5	*5*
The Gymnasium is 5,641 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	*4*
Kindergarten spaces are undersized, and do not provide adequate instruction space.		
5.12 **Music Program** is provided adequate sound treated space	5	*2*
The Music Room is 700 SF compared to 1,800-3,000 recommended in the OSDM. Music instruction is provided in a standard Classroom without any sound treatment.		
5.13 **Space for art** is appropriate for special instruction, supplies, and equipment	5	*5*
The Art Room is 1,378 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	*3*

Lockers have been adequately provided for storage of student materials. Open shelving and casework has not 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 323 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	*4*

The Student Dining space is 2,607 SF compared to 3,000 SF recommended in the OSDM. The Kitchen space is 2,200 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	*3*

Administrative Offices are not adequately provided for Elementary School students.

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

The Counselor's Office is 340 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 173 SF compared to 370 SF recommended in the OSDM. The Clinic is located within the Administrative Offices but is not provided with all required equipment.

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

Reception space consists of approximately 220 SF compared to 200-400 SF recommended by the OSDM.

5.23 **Administrative personnel** are provided **sufficient work space and privacy**	5	*3*

The Administrative area consists of approximately 2,450 SF for the principal, assistant principal, secretary, Conference Room, Storage, Copy Room, and Restroom, compared to 2,600 SF recommended by the OSDM.

TOTAL - 5.0 Educational Adequacy	200	*115*

Bottom of page

Suitability Appraisal of **6.0 Environment for Education** for Taft Elementary (041384)

6.0 Environment for Education	Points Allocated	Points
Exterior Environment		
6.1 Overall **design is aesthetically pleasing** to age of students	15	*12*
The building is a mid-century modern design, which is aesthetically pleasing.		
6.2 Site and building are **well landscaped**	10	*9*
The site is moderately landscaped with mature shade trees, ornamental trees, and shrubs which define the property and emphasize the building entrance.		
6.3 **Exterior noise and poor environment** do not disrupt learning	10	*10*
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	*8*
The main entrance to the School is completely sheltered. Exits are sheltered from sun and inclement weather.		
6.5 **Building materials** provide attractive color and texture	5	*4*
Exterior building materials consist of brick and metal, which does provide an attractive color and texture. Interior building materials consist of painted block, glazed tile, brick, and drywall which does provide an attractive color and texture. The mixture of materials is attractive or 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 color 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	*6*
The lighting system does not provide proper intensity in all areas. Location of lighting fixtures provides uneven distribution of illumination in some areas. Diffusion of illumination is adequately provided by the light fixture lenses except for service areas.		
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	*8*
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	*8*
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	*10*
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*

Limited consideration has been given to acoustical treatment of Classrooms and Corridors.		
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	*4*
Classroom furniture is mismatched and in fair to poor condition.		
TOTAL - 6.0 Environment for Education	200	*135*

LEED Observation Notes

School District:	Plain Local
County:	Stark
School District IRN:	49932
Building:	Taft Elementary
Building IRN:	41384

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 (less/more) than what is programmatically required, therefore, the amount of asphalt (does / does not) contribute to the heat island effect for non-roofs (see SS Credit 7.1). Open space (is / is not) effectively maximized at this site (see SS Credit 5.2). The size of the parking area is (less / more) than the amount required with XX spaces provided and XX 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: **Taft Elementary**

K-4

Building features that clearly exceed criteria:

1. Adequate drainage systems are provided throughout the facility and drainage systems are well maintained.
2. The security system is equipped with panic buttons and notification devices.
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 facility is not equipped with a fire suppression system.
3. The facility is not equipped with an emergency generator.
4. The facility is not equipped with a Computer Classroom.
5.
6.

Back to Assessment Summary

Environmental Hazards Assessment Cost Estimates

Owner:	Plain Local
Facility:	Taft Elementary
Date of Initial Assessment:	May 30, 2024
Date of Assessment Update:	Jan 8, 2025
Cost Set:	2024

District IRN:	49932
Building IRN:	41384
Firm:	Thomas Porter Architects

Scope remains unchanged after cost updates.

Building Addition	Addition Area (sf)	Total of Environmental Hazards Assessment Cost Estimates	
		Renovation	Demolition
1930 Original Construction	52,860	$178,934.48	$178,934.48
1960 Media Center & Classroom Addition	15,007	$38,758.36	$32,258.36
2003 Elevator Addition	94	$0.00	$0.00
Total	67,961	$217,692.84	$211,192.84
Total with Regional Cost Factor (103.18%)	—	$224,615.47	$217,908.77
Regional Total with Soft Costs & Contingency	—	$279,489.71	$271,144.54

Environmental Hazards - Plain Local (49932) - Taft Elementary (41384) - Original Construction

Owner:	Plain Local	**Bldg. IRN:**	41384
Facility:	Taft Elementary	**Bldg. Addition:**	Original Construction
Date On Site:		**Consultant Name:**	

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	0	$16.07	$0.00
2.	Breeching Insulation Removal	Reported Asbestos-Containing Material	182	$16.07	$2,924.74
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	129	$32.40	$4,179.60
7.	Pipe Insulation Removal (Crawlspace/Tunnel)	Reported Asbestos-Containing Material	100	$28.92	$2,892.00
8.	Pipe Fitting Insulation Removal (Crawlspace/Tunnel)	Reported Asbestos-Containing Material	50	$45.35	$2,267.50
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	Not Present	0	$9.07	$0.00
13.	Fireproofing Removal	Not Present	0	$32.40	$0.00
14.	Hard Plaster Removal	Reported Asbestos-Containing Material	4550	$9.64	$43,862.00
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	Not Present	0	$388.70	$0.00
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	28693	$4.28	$122,806.04
30.	Carpet Mastic Removal	Not Present	0	$3.43	$0.00
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**			$178,931.88
37.	(Sum of Lines 1-35)	**Total Asb. Hazard Abatement Cost for Demolition Work**			$178,931.88

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		$0.00
3.	(Sum of Lines 1-2)	**Total Cost for Lead-Based Paint Mock-Ups**	$0.00

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

	Area Of Building Addition	Square Feet w/Fluorescent Lamps & Ballasts	Unit Cost	Total Cost
1.	52860	20	$0.13	$2.60

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**	$178,934.48
2.	A37, B1, D1, and E2	**Total Cost for Env. Hazards Work - Demolition**	$178,934.48

* 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) - Taft Elementary (41384) - Media Center & Classroom Addition

Owner:	Plain Local	**Bldg. IRN:**	41384
Facility:	Taft Elementary	**Bldg. Addition:**	Media Center & Classroom Addition
Date On Site:		**Consultant Name:**	

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	Not Present	0	$32.40	$0.00
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	Not Present	0	$9.07	$0.00
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	Not Present	0	$388.70	$0.00
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	7537	$4.28	$32,258.36
30.	Carpet Mastic Removal	Not Present	0	$3.43	$0.00
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**			$32,258.36
37.	(Sum of Lines 1-35)	**Total Asb. Hazard Abatement Cost for Demolition Work**			$32,258.36

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		$5,000.00
2.	Special Engineering Fees for LBP Mock-Ups		$0.00
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.	15007	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**	$38,758.36
2.	A37, B1, D1, and E2	**Total Cost for Env. Hazards Work - Demolition**	$32,258.36

* 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.