

Application for Preliminary Qualification of Bonds

School Bond Qualification and Loan Program for

Avondale School District

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*Include building floor plans and cost estimates for each project.

For additional information about the School Bond Qualification and Loan Program, visit:

Michigan Department of Treasury
Bureau of State and Authority Finance
School Bond Qualification and Loan Program
517-335-0994
www.michigan.gov/sblf

Application for Preliminary Qualification of Bonds

Issued under authority of Public Act 92 of 2005, as amended

Election Date
August 6, 2024

Application No.
63-070-4-K12-32-01

District Name and Address
Avondale School District
2940 Waukegan Street
Auburn Hills, MI 48326-3255


School District Code and Phone No.
63-070
(248) 537-6002

Superintendent Name and Email
James V. Schwarz, Ph.D.
james.schwarz@avondaleschools.org

Mailing Instructions

Return ONE originally signed copy to your bond counsel by OVERNIGHT MAIL.
Retain ONE originally signed copy for your files.

Your bond counsel will transmit an electronic copy to the Department of Treasury,
financial consultant, architectural firm, and construction management firm.

Certificate	
I, the undersigned, Secretary of the Board of Education, do certify hereby that the Board of Education of this School District, at a (regular) meeting of the Board, which was conducted and for which public notice of said meeting was given pursuant to and in full compliance with Act 276 of the Public Acts of 1976 (Open Meetings Act), on this:	
20 day of February 2024	took the following action:
<ol style="list-style-type: none"> (1) Resolved to apply for preliminary qualification of bonds by the State Treasurer for the purpose of financing the school construction description in this application. (2) That said application is presented to the State Treasurer for action prior to the official action of the Board of Education calling the election on said bond issue. (3) Resolved that this Board of Education will present a final qualification application to the State Treasurer for qualification of their bonds after this bond issue has been approved by the electors of said district. (4) Read this application and approved all statements and representations contained herein as true to the best knowledge and belief of the Board. (5) Authorized the Secretary of the Board of Education to sign this Preliminary Application and submit same to the State Treasurer for review and approval. 	
IN WITNESS whereof, I have hereunto set my hand this	
	19 day of December 2023
Kelly Brault <small>Secretary, Board of Education</small>	 <small>Signature of Secretary</small>
Terry Lang <small>Treasurer, Board of Education</small>	Dr. James V. Schwarz <small>Superintendent of Schools</small>
Miller Canfield <small>Bond Counsel</small>	150 West Jefferson, Suite 2500, Detroit, MI 48226 <small>Mailing Address</small>
Baker Tilly <small>Financial Consultant</small>	2852 Eyde Parkway, Suite 150, East Lansing, MI 48823 <small>Mailing Address</small>
French Associates <small>Architectural Firm</small>	236 Mill Street, Rochester, MI 48307 <small>Mailing Address</small>
Auch <small>Construction Management Firm</small>	65 University Drive, Pontiac, MI 48342 <small>Mailing Address</small>

ATTACH PROPOSED BALLOT LANGUAGE.

Financial Summary

Financial information provided as of: 2/20/2024

A. Existing Bond Debt: List each outstanding debt issue separately in chronological order by issue date.

Original Bond Issue			Current Outstanding Principal Balance				Outstanding Principal Balance as of Election Date				Millage	
Issue Date	Purpose	Issue Amount	Current Qualified	Current Non-Qualified	Current Non-Voted	Current Total	Qualified	Non-Qualified	Non-Voted	Election Date Total	Levied This Tax Year	Estimate Next Tax Year
10/28/2010	Building	4,000,000	4,000,000			4,000,000	4,000,000			4,000,000	0.02	0.02
2/21/2017	Refunding	15,880,000	11,380,000			11,380,000	11,380,000			11,380,000	1.88	1.62
5/30/2018	Building	12,450,000	9,820,000			9,820,000	9,820,000			9,820,000	0.23	0.20
2/25/2020	Refunding	23,125,000	11,870,000			11,870,000	6,480,000			6,480,000	4.23	0.00
2/25/2020	Refunding	15,410,000	15,410,000			15,410,000	15,410,000			15,410,000	0.58	3.71
2/25/2020	Building	17,535,000	17,535,000			17,535,000	17,535,000			17,535,000	0.36	0.38
2/13/2023	Building	1,030,000			840,000	840,000			840,000	840,000	0.00	0.00
Total			70,015,000	0	840,000	70,855,000	64,625,000	0	840,000	65,465,000	7.30	5.93

Have proceeds of all existing bonds been spent? Yes (If No, provide status of unspent/unaudited bonds)

B. Proposed Bond Issue: List each ballot proposal separately.

Proposal	Amount	Bond Term	Avg Int Rate	Bond Interest	SLRF Interest	Total Interest	Avg Millage	Millage Year 1
Proposal 1	150,000,000	25	4.08%	99,126,455	0	99,126,455	4.19	1.37
Proposal 2						0		
Proposal 3						0		
Proposal 4						0		
Combined Issue	150,000,000			99,126,455	0			

(Totals may not foot due to differences in the financial structure of individual proposals and a combined bond issue.)

C. School Bond Loan Participation

School Bond Loan Fund					Millage			Est Amt to be Borrowed			
Mandatory Final SBLF Loan Repayment Date	Estimated SBLF Balance as of Election Date	SBLF Beginning Date	Projected SBLF End Date	Estimated SBLF Interest Rate	Initial Computed Millage	Estimated Duration of Computed Millage	Maximum Millage without SBLF Participation	Existing Bonds Amount to be borrowed	Existing Bonds Interest to be accrued	Proposed Bonds Amount to be borrowed	Proposed Bonds Interest to be accrued

D. Property Tax Assumptions

Current		Growth Rate				Property Taxes Levied		Pending
Tax Year	Taxable Value	Prior 5 Year Average	Prior 20 Year Average	Projected Rate Years 1 - 5	Projected Rate Years 6+	Winter	Summer	Material Tax Appeals in District
2023	1,551,870,240	5.05%	1.69%	3.00%	1.69%	50.00%	50.00%	No

(If district is aware of any event or circumstance that could significantly affect its future, disclosure must be included.)

E. Key Financial Measures

1st Year Millage Increase	Total Debt to Taxable Value	Weighted Average Maturity of Bonds	120% of Average Useful Life of Assets	Current & Proposed Bond Debt plus SBLF Debt	Total Loans do not exceed 25% of the Taxable Value
0.00	11.98%	16.21	33.66%	220,855,000	Yes

F. Bond Issuance

Series/ Proposal	Amount	Dated Date	Construction Fund Beg. Date	Construction Fund End Date
1	30,380,000	2/28/2025	3/1/2025	2/1/2027
2	67,505,000	6/30/2026	7/1/2026	6/1/2028
3	52,115,000	6/30/2028	7/1/2028	6/1/2030
4				
5				

G. Certification

The financial impact presented herein is based on certain assumptions regarding interest rates and taxable value growth rates. Actual millage rates may be subject to adjustment based on differences in these assumptions, actual interest rates, and future taxable value growth.

Prepared By Jesse Nelson, Partner
 Firm Baker Tilly Municipal Advisors, LLC

**AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN**

TAXABLE VALUE HISTORY AND GROWTH ASSUMPTIONS

<u>Year</u>	<u>Taxable Value</u>	<u>Personal Property Tax Loss</u>	<u>Total Value</u>	
2023	1,551,870,240	81,112,275	1,632,982,515	6.55%
2022	1,458,770,507	73,802,390	1,532,572,897	6.48%
2021	1,370,084,407	69,174,600	1,439,259,007	3.42%
2020	1,333,684,248	58,005,907	1,391,690,155	4.62%
2019	1,268,998,853	61,276,620	1,330,275,473	4.18%
2018	1,219,054,640	57,867,365	1,276,922,005	4.38%
2017	1,165,013,996	58,339,995	1,223,353,991	3.95%
2016	1,132,462,450	44,375,995	1,176,838,445	3.11%
2015	1,141,364,775	-	1,141,364,775	3.52%
2014	1,102,542,001	-	1,102,542,001	1.40%
2013	1,087,329,117	-	1,087,329,117	1.24%
2012	1,074,042,160	-	1,074,042,160	-4.59%
2011	1,125,707,605	-	1,125,707,605	-7.31%
2010	1,214,511,563	-	1,214,511,563	-11.55%
2009	1,373,029,712	-	1,373,029,712	-4.79%
2008	1,442,067,880	-	1,442,067,880	-1.06%
2007	1,457,505,413	-	1,457,505,413	2.58%
2006	1,420,791,523	-	1,420,791,523	5.61%
2005	1,345,367,016	-	1,345,367,016	6.37%
2004	1,264,806,950	-	1,264,806,950	5.71%
2003	1,196,467,573	-	1,196,467,573	
5 Year Average				<u><u>5.05%</u></u>
20 Year Average				<u><u>1.69%</u></u>

**AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN**

SCHEDULE OF COMBINED EXISTING DEBT SERVICE

Payment Date	2010 Bonds	2017 Bonds	2018 Bonds	2020B Bonds	2020A Ref Bonds	2020A B&S Bonds	Total	Levy Year Total	
11/01/23	17,217.40	\$2,652,250.00	\$585,387.50	\$508,882.50	\$364,900.00	\$277,131.25	\$4,405,768.65		
05/01/24	17,217.40	284,500.00	175,387.50	5,495,482.50	364,900.00	277,131.25	6,614,618.65	\$11,020,387.30	
11/01/24	17,217.40	2,699,500.00	175,387.50	938,320.00	364,900.00	277,131.25	4,472,456.15		
05/01/25	17,217.40	224,125.00	175,387.50	5,650,400.00	544,900.00	277,131.25	6,889,161.15	11,361,617.30	
11/01/25	17,217.40	2,629,125.00	175,387.50	-	760,400.00	277,131.25	3,859,261.15		
05/01/26	17,217.40	164,000.00	175,387.50	-	5,615,400.00	377,131.25	6,349,136.15	10,208,397.30	
11/01/26	17,217.40	1,864,000.00	175,387.50	-	718,775.00	274,631.25	3,050,011.15		
05/01/27	1,342,217.40	1,111,500.00	175,387.50	-	2,206,275.00	274,631.25	5,110,011.15	8,160,022.30	
11/01/27	11,514.14	1,486,750.00	175,387.50	-	956,275.00	274,631.25	2,904,557.89		
05/01/28	1,346,514.14	1,482,000.00	175,387.50	-	1,966,275.00	274,631.25	5,244,807.89	8,149,365.78	
11/01/28	5,767.83	551,500.00	175,387.50	-	1,590,525.00	274,631.25	2,597,811.58		
05/01/29	1,345,767.83	548,375.00	175,387.50	-	888,025.00	1,274,631.25	4,232,186.58	6,829,998.16	
11/01/29	-	-	675,387.50	-	32,150.00	949,631.25	1,657,168.75		
05/01/30	-	-	162,887.50	-	32,150.00	3,732,131.25	3,927,168.75	5,584,337.50	
11/01/30	-	-	662,887.50	-	32,150.00	744,631.25	1,439,668.75		
05/01/31	-	-	152,887.50	-	62,150.00	3,129,631.25	3,344,668.75	4,784,337.50	
11/01/31	-	-	652,887.50	-	31,400.00	354,631.25	1,038,918.75		
05/01/32	-	-	142,887.50	-	1,101,400.00	1,278,631.25	2,522,918.75	3,561,837.50	
11/01/32	-	-	642,887.50	-	10,000.00	24,031.25	676,918.75		
05/01/33	-	-	135,075.00	-	1,010,000.00	864,031.25	2,009,106.25	2,686,025.00	
11/01/33	-	-	635,075.00	-	-	15,631.25	650,706.25		
05/01/34	-	-	126,950.00	-	-	355,631.25	482,581.25	1,133,287.50	
11/01/34	-	-	626,950.00	-	-	11,806.25	638,756.25		
05/01/35	-	-	118,825.00	-	-	376,806.25	495,631.25	1,134,387.50	
11/01/35	-	-	468,825.00	-	-	7,700.00	476,525.00		
05/01/36	-	-	513,137.50	-	-	147,700.00	660,837.50	1,137,362.50	
11/01/36	-	-	456,387.50	-	-	6,125.00	462,512.50		
05/01/37	-	-	500,481.25	-	-	176,125.00	676,606.25	1,139,118.75	
11/01/37	-	-	443,481.25	-	-	4,212.50	447,693.75		
05/01/38	-	-	487,356.25	-	-	104,212.50	591,568.75	1,039,262.50	
11/01/38	-	-	430,356.25	-	-	3,462.50	433,818.75		
05/01/39	-	-	474,231.25	-	-	138,462.50	612,693.75	1,046,512.50	
11/01/39	-	-	417,231.25	-	-	2,450.00	419,681.25		
05/01/40	-	-	461,106.25	-	-	167,450.00	628,556.25	1,048,237.50	
11/01/40	-	-	404,106.25	-	-	1,212.50	405,318.75		
05/01/41	-	-	447,981.25	-	-	191,212.50	639,193.75	1,044,512.50	
11/01/41	-	-	390,981.25	-	-	1,165.00	392,146.25		
05/01/42	-	-	394,856.25	-	-	266,165.00	661,021.25	1,053,167.50	
11/01/42	-	-	378,556.25	-	-	1,098.75	379,655.00		
05/01/43	-	-	372,431.25	-	-	301,098.75	673,530.00	1,053,185.00	
11/01/43	-	-	316,306.25	-	-	1,023.75	317,330.00		
05/01/44	-	-	221,056.25	-	-	511,023.75	732,080.00	1,049,410.00	
11/01/44	-	-	107,250.00	-	-	896.25	108,146.25		
05/01/45	-	-	5,437.50	-	-	920,896.25	926,333.75	1,034,480.00	
11/01/45	-	-	105,437.50	-	-	666.25	106,103.75		
05/01/46	-	-	3,625.00	-	-	920,666.25	924,291.25	1,030,395.00	
11/01/46	-	-	103,625.00	-	-	436.25	104,061.25		
05/01/47	-	-	1,812.50	-	-	890,436.25	892,248.75	996,310.00	
11/01/47	-	-	101,812.50	-	-	213.75	102,026.25		
05/01/48	-	-	-	-	-	855,213.75	855,213.75	957,240.00	
Totals	\$4,172,303.14	\$15,697,625.00	\$15,258,106.25	\$12,593,085.00	\$18,652,950.00	\$21,869,125.00	\$88,243,194.39	\$88,243,194.39	
							Qualified Bonds	Non-Voted Bonds	Total
								2023	
Principal Balance	\$4,000,000.00	\$13,690,000.00	\$10,220,000.00	\$12,270,000.00	\$15,410,000.00	\$17,535,000.00	\$73,125,000.00	\$1,030,000.00	\$74,155,000.00
Less:									
11/1/2023 and 5/1/2024	-	(2,310,000.00)	(400,000.00)	(5,790,000.00)	-	-	(8,500,000.00)	(190,000.00)	(8,690,000.00)
Election Balance	\$4,000,000.00	\$11,380,000.00	\$9,820,000.00	\$6,480,000.00	\$15,410,000.00	\$17,535,000.00	\$64,625,000.00	\$840,000.00	\$65,465,000.00

**AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN**

2010A

**SCHEDULE OF AMORTIZATION
OF OUTSTANDING 2010 SCHOOL BUILDING AND SITE BONDS, SERIES A
(Unlimited Tax General Obligation)
(Taxable - Qualified School Construction Bonds - Direct Payment)
Principal payable annually on May 1st.
Interest payable semi-annually on May 1st and November 1st.
Michigan School Bond Qualification and Loan Program Qualified
Bonds dated October 28, 2010**

Payment Date	Principal Balance (----In \$1,000's----)	Principal	Interest Rate (%)	Effective Interest Rate (%)	Interest	QSCB Credit 4.93%	Sequestration 5.90%	Net Interest	Total	Fiscal Year
										Total
11/01/23	4,000				\$110,000.00	(\$98,600.00)	\$5,817.40	\$17,217.40	\$17,217.40	
05/01/24	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	\$34,434.80
11/01/24	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	
05/01/25	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	34,434.80
11/01/25	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	
05/01/26	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	34,434.80
11/01/26	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	
05/01/27	4,000	\$1,325	5.500	0.861	110,000.00	(98,600.00)	5,817.40	17,217.40	1,342,217.40	1,359,434.80
11/01/27	2,675				73,562.50	(65,938.75)	3,890.39	11,514.14	11,514.14	
05/01/28	2,675	1,335	5.500	0.861	73,562.50	(65,938.75)	3,890.39	11,514.14	1,346,514.14	1,358,028.28
11/01/28	1,340				36,850.00	(33,031.00)	1,948.83	5,767.83	5,767.83	
05/01/29	1,340	1,340	5.500	0.861	36,850.00	(33,031.00)	1,948.83	5,767.83	1,345,767.83	1,351,535.66
Totals		<u>\$4,000</u>			<u>\$1,100,825.00</u>	<u>(\$986,739.50)</u>	<u>\$58,217.64</u>	<u>\$172,303.14</u>	<u>\$4,172,303.14</u>	<u>\$4,172,303.14</u>

Optional Redemption:

Callable on May 1, 2020.

Original Par Amount:

\$4,000,000

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

SCHEDULE OF AMORTIZATION OF OUTSTANDING
2017 REFUNDING BONDS

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable semi-annually on May 1st and November 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated February 21, 2017

Payment Date	Principal		Interest		Total	Levy Year Total
	Balance (---In \$1,000's---)	Principal	Rate (%)	Interest (-----In Dollars-----)		
11/01/23	\$13,690	\$2,310	5.000	\$342,250.00	\$2,652,250.00	
05/01/24	11,380	-	-	284,500.00	284,500.00	\$2,936,750.00
11/01/24	11,380	2,415	5.000	284,500.00	2,699,500.00	
05/01/25	8,965	-	-	224,125.00	224,125.00	2,923,625.00
11/01/25	8,965	2,405	5.000	224,125.00	2,629,125.00	
05/01/26	6,560	-	-	164,000.00	164,000.00	2,793,125.00
11/01/26	6,560	1,700	5.000	164,000.00	1,864,000.00	
05/01/27	4,860	990	5.000	121,500.00	1,111,500.00	2,975,500.00
11/01/27	3,870	1,390	5.000	96,750.00	1,486,750.00	
05/01/28	2,480	1,420	5.000	62,000.00	1,482,000.00	2,968,750.00
11/01/28	1,060	525	5.000	26,500.00	551,500.00	
05/01/29	535	535	5.000	13,375.00	548,375.00	1,099,875.00
Totals		<u>\$13,690</u>		<u>\$2,007,625.00</u>	<u>\$15,697,625.00</u>	<u>\$15,697,625.00</u>

Optional Redemption:

Callable on November 1, 2026

Original Par Amount

\$15,880,000

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

SCHEDULE OF AMORTIZATION OF OUTSTANDING
2018 BUILDING AND SITE BONDS

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable semi-annually on May 1st and November 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated May 30, 2018

Payment Date	Principal		Interest		Total	Levy Year Total
	Balance	Principal	Rate	Interest		
	(---In \$1,000's---)		(%)	(-----In Dollars-----)		
11/01/23	\$10,220	\$400	5.000	\$185,387.50	\$585,387.50	
05/01/24	9,820	-	-	175,387.50	175,387.50	\$760,775.00
11/01/24	9,820	-	-	175,387.50	175,387.50	
05/01/25	9,820	-	-	175,387.50	175,387.50	350,775.00
11/01/25	9,820	-	-	175,387.50	175,387.50	
05/01/26	9,820	-	-	175,387.50	175,387.50	350,775.00
11/01/26	9,820	-	-	175,387.50	175,387.50	
05/01/27	9,820	-	-	175,387.50	175,387.50	350,775.00
11/01/27	9,820	-	-	175,387.50	175,387.50	
05/01/28	9,820	-	-	175,387.50	175,387.50	350,775.00
11/01/28	9,820	-	-	175,387.50	175,387.50	
05/01/29	9,820	-	-	175,387.50	175,387.50	350,775.00
11/01/29	9,820	500	5.000	175,387.50	675,387.50	
05/01/30	9,320	-	-	162,887.50	162,887.50	838,275.00
11/01/30	9,320	500	4.000	162,887.50	662,887.50	
05/01/31	8,820	-	-	152,887.50	152,887.50	815,775.00
11/01/31	8,820	500	4.000	152,887.50	652,887.50	
05/01/32	8,320	-	-	142,887.50	142,887.50	795,775.00
11/01/32	8,320	500	3.125	142,887.50	642,887.50	
05/01/33	7,820	-	-	135,075.00	135,075.00	777,962.50
11/01/33	7,820	500	3.250	135,075.00	635,075.00	
05/01/34	7,320	-	-	126,950.00	126,950.00	762,025.00
11/01/34	7,320	500	3.250	126,950.00	626,950.00	
05/01/35	6,820	-	-	118,825.00	118,825.00	745,775.00
11/01/35	6,820	350	3.250	118,825.00	468,825.00	
05/01/36	6,470	400	3.375	113,137.50	513,137.50	981,962.50
11/01/36	6,070	350	3.375	106,387.50	456,387.50	
05/01/37	5,720	400	3.500	100,481.25	500,481.25	956,868.75
11/01/37	5,320	350	3.500	93,481.25	443,481.25	
05/01/38	4,970	400	3.500	87,356.25	487,356.25	930,837.50
11/01/38	4,570	350	3.500	80,356.25	430,356.25	
05/01/39	4,220	400	3.500	74,231.25	474,231.25	904,587.50
11/01/39	3,820	350	3.500	67,231.25	417,231.25	
05/01/40	3,470	400	3.500	61,106.25	461,106.25	878,337.50
11/01/40	3,070	350	3.500	54,106.25	404,106.25	
05/01/41	2,720	400	3.500	47,981.25	447,981.25	852,087.50
11/01/41	2,320	350	3.500	40,981.25	390,981.25	
05/01/42	1,970	360	3.500	34,856.25	394,856.25	785,837.50
11/01/42	1,610	350	3.500	28,556.25	378,556.25	
05/01/43	1,260	350	3.500	22,431.25	372,431.25	750,987.50
11/01/43	910	300	3.500	16,306.25	316,306.25	
05/01/44	610	210	3.625	11,056.25	221,056.25	537,362.50
11/01/44	400	100	3.625	7,250.00	107,250.00	
05/01/45	300	-	-	5,437.50	5,437.50	112,687.50
11/01/45	300	100	3.625	5,437.50	105,437.50	
05/01/46	200	-	-	3,625.00	3,625.00	109,062.50
11/01/46	200	100	3.625	3,625.00	103,625.00	
05/01/47	100	-	-	1,812.50	1,812.50	105,437.50
11/01/47	100	100	3.625	1,812.50	101,812.50	
05/01/48	-	-	-	0.00	0.00	101,812.50
Totals		<u>\$10,220</u>		<u>\$5,038,106.25</u>	<u>\$15,258,106.25</u>	<u>\$15,258,106.25</u>

Optional Redemption:

Callable on May 1, 2028

Original Par Amount

\$12,450,000

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

2020 - Tax Ref

SCHEDULE OF AMORTIZATION OF OUTSTANDING
2020 REFUNDING BONDS, SERIES B

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable semi-annually on May 1st and November 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated February 25, 2020

Payment Date	Principal Balance	Principal	Interest Rate	Interest	Total	Levy Year Total
	(---In \$1,000's---)		(%)	(-----In Dollars-----)		
11/01/23	\$12,270	\$400	1.700	\$108,882.50	\$508,882.50	
05/01/24	11,870	5,390	1.750	105,482.50	5,495,482.50	\$6,004,365.00
11/01/24	6,480	880	1.800	58,320.00	938,320.00	
05/01/25	5,600	5,600	1.800	50,400.00	5,650,400.00	6,588,720.00
Totals		<u>\$12,270</u>		<u>\$323,085.00</u>	<u>\$12,593,085.00</u>	<u>\$12,593,085.00</u>

Optional Redemption:

Non-callable

Original Par Amount

\$23,125,000

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

Refunding Portion

SCHEDULE OF AMORTIZATION OF OUTSTANDING
2020 SCHOOL BUILDING AND SITE AND REFUNDING BONDS, SERIES A

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable semi-annually on May 1st and November 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated February 25, 2020

Payment Date	Principal		Interest		Total	Levy Year Total
	Balance (---In \$1,000's---)	Principal (---In \$1,000's---)	Rate (%)	Interest (-----In Dollars-----)		
11/01/23	\$15,410	\$0	-	\$364,900.00	\$364,900.00	
05/01/24	15,410	-	-	364,900.00	364,900.00	\$729,800.00
11/01/24	15,410	-	-	364,900.00	364,900.00	
05/01/25	15,410	180	5.000	364,900.00	544,900.00	909,800.00
11/01/25	15,230	400	5.000	360,400.00	760,400.00	
05/01/26	14,830	5,265	5.000	350,400.00	5,615,400.00	6,375,800.00
11/01/26	9,565	500	5.000	218,775.00	718,775.00	
05/01/27	9,065	2,000	5.000	206,275.00	2,206,275.00	2,925,050.00
11/01/27	7,065	800	5.000	156,275.00	956,275.00	
05/01/28	6,265	1,830	5.000	136,275.00	1,966,275.00	2,922,550.00
11/01/28	4,435	1,500	5.000	90,525.00	1,590,525.00	
05/01/29	2,935	835	5.000	53,025.00	888,025.00	2,478,550.00
11/01/29	2,100	-	-	32,150.00	32,150.00	
05/01/30	2,100	-	-	32,150.00	32,150.00	64,300.00
11/01/30	2,100	-	-	32,150.00	32,150.00	
05/01/31	2,100	30	5.000	32,150.00	62,150.00	94,300.00
11/01/31	2,070	-	-	31,400.00	31,400.00	
05/01/32	2,070	1,070	4.000	31,400.00	1,101,400.00	1,132,800.00
11/01/32	1,000	-	-	10,000.00	10,000.00	
05/01/33	1,000	1,000	2.000	10,000.00	1,010,000.00	1,020,000.00
Totals		<u>\$15,410</u>		<u>\$3,242,950.00</u>	<u>\$18,652,950.00</u>	<u>\$18,652,950.00</u>

Optional Redemption:

Callable on May 1, 2030

Original Par Amount

\$15,410,000

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

Building Portion

SCHEDULE OF AMORTIZATION OF OUTSTANDING
2020 SCHOOL BUILDING AND SITE AND REFUNDING BONDS, SERIES A

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable semi-annually on May 1st and November 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated February 25, 2020

Payment Date	Principal		Interest		Total	Levy Year Total
	Balance	Principal	Rate	Interest		
	(---In \$1,000's---)		(%)	(-----In Dollars-----)		
11/01/23	\$17,535	\$0	-	\$277,131.25	\$277,131.25	
05/01/24	17,535	-	-	277,131.25	277,131.25	\$554,262.50
11/01/24	17,535	-	-	277,131.25	277,131.25	
05/01/25	17,535	-	-	277,131.25	277,131.25	554,262.50
11/01/25	17,535	-	-	277,131.25	277,131.25	
05/01/26	17,535	100	5.000	277,131.25	377,131.25	654,262.50
11/01/26	17,435	-	-	274,631.25	274,631.25	
05/01/27	17,435	-	-	274,631.25	274,631.25	549,262.50
11/01/27	17,435	-	-	274,631.25	274,631.25	
05/01/28	17,435	-	-	274,631.25	274,631.25	549,262.50
11/01/28	17,435	-	-	274,631.25	274,631.25	
05/01/29	17,435	1,000	5.000	274,631.25	1,274,631.25	1,549,262.50
11/01/29	16,435	700	5.000	249,631.25	949,631.25	
05/01/30	15,735	3,500	5.000	232,131.25	3,732,131.25	4,681,762.50
11/01/30	12,235	600	5.000	144,631.25	744,631.25	
05/01/31	11,635	3,000	5.000	129,631.25	3,129,631.25	3,874,262.50
11/01/31	8,635	300	4.000	54,631.25	354,631.25	
05/01/32	8,335	1,230	4.000	48,631.25	1,278,631.25	1,633,262.50
11/01/32	7,105	-	-	24,031.25	24,031.25	
05/01/33	7,105	840	2.000	24,031.25	864,031.25	888,062.50
11/01/33	6,265	-	-	15,631.25	15,631.25	
05/01/34	6,265	340	2.250	15,631.25	355,631.25	371,262.50
11/01/34	5,925	-	-	11,806.25	11,806.25	
05/01/35	5,925	365	2.250	11,806.25	376,806.25	388,612.50
11/01/35	5,560	-	-	7,700.00	7,700.00	
05/01/36	5,560	140	2.250	7,700.00	147,700.00	155,400.00
11/01/36	5,420	-	-	6,125.00	6,125.00	
05/01/37	5,420	170	2.250	6,125.00	176,125.00	182,250.00
11/01/37	5,250	-	-	4,212.50	4,212.50	
05/01/38	5,250	100	1.500	4,212.50	104,212.50	108,425.00
11/01/38	5,150	-	-	3,462.50	3,462.50	
05/01/39	5,150	135	1.500	3,462.50	138,462.50	141,925.00
11/01/39	5,015	-	-	2,450.00	2,450.00	
05/01/40	5,015	165	1.500	2,450.00	167,450.00	169,900.00
11/01/40	4,850	-	-	1,212.50	1,212.50	
05/01/41	4,850	190	0.050	1,212.50	191,212.50	192,425.00
11/01/41	4,660	-	-	1,165.00	1,165.00	
05/01/42	4,660	265	0.050	1,165.00	266,165.00	267,330.00
11/01/42	4,395	-	-	1,098.75	1,098.75	
05/01/43	4,395	300	0.050	1,098.75	301,098.75	302,197.50
11/01/43	4,095	-	-	1,023.75	1,023.75	
05/01/44	4,095	510	0.050	1,023.75	511,023.75	512,047.50
11/01/44	3,585	-	-	896.25	896.25	
05/01/45	3,585	920	0.050	896.25	920,896.25	921,792.50
11/01/45	2,665	-	-	666.25	666.25	
05/01/46	2,665	920	0.050	666.25	920,666.25	921,332.50
11/01/46	1,745	-	-	436.25	436.25	
05/01/47	1,745	890	0.050	436.25	890,436.25	890,872.50
11/01/47	855	-	-	213.75	213.75	
05/01/48	855	855	0.050	213.75	855,213.75	855,427.50
Totals		<u>\$17,535</u>		<u>\$4,334,125.00</u>	<u>\$21,869,125.00</u>	<u>\$21,869,125.00</u>

Optional Redemption:

Callable on May 1, 2030

Original Par Amount

\$17,535,000

**AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN**

ESTIMATED EXISTING BONDS MILLAGE STUDY

Summer/Winter Tax Levy Tax Collection Factor 100% *Significant assumptions.

Taxable Value Year	Debt Service Year Ending	Revenues									Bond Payments			Debt Retirement Fund	
		Growth %	Taxable Value	Personal Property Tax ("PPT") Reimbursable Value	PPT Bonds Millage Rate	Non PPT Bonds Millage Rate	Total Millage Rate	Tax Collections	PPT Reimbursements	Total Revenues	PPT Payments	Non PPT Payments	Total Annual Payments	Increase/ (Decrease)	Jul. 1st Balance
															\$668,678
2023	2024	6.55%	1,551,870,240	81,112,275	6.41	0.89	7.30	\$11,328,653	\$519,930	\$11,848,583	\$10,466,124	\$554,263	\$11,020,387	\$828,196	1,496,874
2024	2025	3.00%	1,598,426,347	81,112,275	6.26	1.04	7.30	11,668,512	507,763	12,176,275	10,807,354	554,263	11,361,617	814,658	2,311,532
2025	2026	3.00%	1,646,379,137	81,112,275	5.53	0.40	5.93	9,763,028	448,551	10,211,579	9,554,134	654,263	10,208,397	3,182	2,314,714
2026	2027	3.00%	1,695,770,511	81,112,275	4.28	0.32	4.60	7,800,544	347,161	8,147,705	7,610,759	549,263	8,160,022	(12,317)	2,302,397
2027	2028	3.00%	1,746,643,626	81,112,275	4.16	0.31	4.47	7,807,497	337,427	8,144,924	7,600,103	549,263	8,149,366	(4,442)	2,297,955
2028	2029	3.00%	1,799,042,935	81,112,275	2.81	0.86	3.67	6,602,488	227,925	6,830,413	5,280,735	1,549,263	6,829,998	415	2,298,370
2029	2030	1.69%	1,829,446,761	81,112,275	0.47	2.56	3.03	5,543,224	38,123	5,581,347	902,575	4,681,763	5,584,338	(2,991)	2,295,379
2030	2031	1.69%	1,860,364,411	81,112,275	0.47	2.08	2.55	4,743,929	38,123	4,782,052	910,075	3,874,263	4,784,338	(2,286)	2,293,093
2031	2032	1.69%	1,891,804,570	81,112,275	0.98	0.86	1.84	3,480,920	79,490	3,560,410	1,928,575	1,633,263	3,561,838	(1,428)	2,291,665
2032	2033	1.69%	1,923,776,067	81,112,275	0.90	0.46	1.36	2,616,335	73,001	2,689,336	1,797,962	888,063	2,686,025	3,311	2,294,976
2033	2034	1.69%	1,956,287,883	81,112,275	0.37	0.19	0.56	1,095,521	30,012	1,125,533	762,025	371,263	1,133,288	(7,755)	2,287,221
2034	2035	1.69%	1,989,349,148	81,112,275	0.36	0.20	0.56	1,114,036	29,200	1,143,236	745,775	388,613	1,134,388	8,848	2,296,069
2035	2036	1.69%	2,022,969,149	81,112,275	0.47	0.08	0.55	1,112,633	38,123	1,150,756	981,963	155,400	1,137,363	13,393	2,309,462
2036	2037	1.69%	2,057,157,328	81,112,275	0.45	0.09	0.54	1,110,865	36,501	1,147,366	956,869	182,250	1,139,119	8,247	2,317,709
2037	2038	1.69%	2,091,923,287	81,112,275	0.43	0.05	0.48	1,004,123	34,878	1,039,001	930,838	108,425	1,039,263	(262)	2,317,447
2038	2039	1.69%	2,127,276,791	81,112,275	0.41	0.07	0.48	1,021,093	33,256	1,054,349	904,588	141,925	1,046,513	7,836	2,325,283
2039	2040	1.69%	2,163,227,769	81,112,275	0.39	0.08	0.47	1,016,717	31,634	1,048,351	878,338	169,900	1,048,238	113	2,325,396
2040	2041	1.69%	2,199,786,318	81,112,275	0.37	0.09	0.46	1,011,902	30,012	1,041,914	852,088	192,425	1,044,513	(2,599)	2,322,797
2041	2042	1.69%	2,236,962,707	81,112,275	0.34	0.12	0.46	1,029,003	27,578	1,056,581	785,838	267,330	1,053,168	3,413	2,326,210
2042	2043	1.69%	2,274,767,377	81,112,275	0.32	0.13	0.45	1,023,645	25,956	1,049,601	750,987	302,198	1,053,185	(3,584)	2,322,626
2043	2044	1.69%	2,313,210,946	81,112,275	0.22	0.22	0.44	1,017,813	17,845	1,035,658	537,362	512,048	1,049,410	(13,752)	2,308,874
2044	2045	1.69%	2,352,304,211	81,112,275	0.05	0.39	0.44	1,035,014	4,056	1,039,070	112,687	921,793	1,034,480	4,590	2,313,464
2045	2046	1.69%	2,392,058,152	81,112,275	0.04	0.39	0.43	1,028,585	3,244	1,031,829	109,062	921,333	1,030,395	1,434	2,314,898
2046	2047	1.69%	2,432,483,935	81,112,275	0.04	0.37	0.41	997,318	3,244	1,000,562	105,437	890,873	996,310	4,252	2,319,150
2047	2048	1.69%	2,473,592,914	81,112,275	0.04	0.35	0.39	964,701	3,244	967,945	101,812	855,428	957,240	10,705	2,329,855
Totals					<u>36.57</u>	<u>12.60</u>	<u>49.17</u>	<u>\$86,938,099</u>	<u>\$2,966,277</u>	<u>\$89,904,376</u>	<u>\$66,374,065</u>	<u>\$21,869,134</u>	<u>\$88,243,199</u>		

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

ESTIMATED PROPOSED TOTAL MILLAGE STUDY - \$150,000,000

Summer/Winter Tax Levy

Tax Collection Factor

100%

Year	Debt Service Year Ending	Growth %	Taxable Value	Personal Property Tax ("PPT") Reimbursable Value	Revenues			Total Millage Rate	Tax Collections	PPT Reimbursements	Total Revenues	Bond Payments								Debt Retirement Fund				
					Existing		Proposed					Existing Bonds				Non-PPT Proposed Bonds				Total Annual Payments	Increase/ (Decrease)	Dec. 1st Balance		
					PPT Bonds Millage Rate	Non PPT Bonds Millage Rate	Non PPT Bonds Millage Rate					2025 Bonds	2026 Bonds	2028 Bonds	2028 Bonds	2028 Bonds								
2023	2024	6.55%	1,551,870,240	81,112,275	6.41	0.89	-	7.30	\$11,328,653	\$519,930	\$11,848,583	\$10,466,124	6.41	\$554,263	0.89	\$0	-	\$0	-	\$0	-	\$11,020,387	\$828,196	1,496,874
2024	2025	3.00%	1,598,426,347	81,112,275	6.26	1.04	-	7.30	11,668,512	507,763	12,176,275	10,807,354	6.26	554,263	1.04	-	-	-	-	-	-	11,361,617	814,658	2,311,532
2025	2026	3.00%	1,646,379,137	81,112,275	5.53	0.40	1.37	7.30	12,018,568	448,551	12,467,119	9,554,134	5.53	654,263	0.40	2,251,398	1.37	-	-	-	-	12,459,795	7,324	2,318,856
2026	2027	3.00%	1,695,770,511	81,112,275	4.28	0.32	2.70	7.30	12,379,125	347,161	12,726,286	7,610,759	4.28	549,263	0.32	1,812,420	1.07	2,769,572	1.63	-	-	12,742,014	(15,728)	2,303,128
2027	2028	3.00%	1,746,643,626	81,112,275	4.16	0.31	2.83	7.30	12,750,498	337,427	13,087,925	7,600,103	4.16	549,263	0.31	1,637,260	0.94	3,308,745	1.89	-	-	13,095,371	(7,446)	2,295,682
2028	2029	3.00%	1,799,042,935	81,112,275	2.81	0.86	3.63	7.30	13,133,013	227,925	13,360,938	5,280,735	2.81	1,549,263	0.86	1,236,498	0.69	3,340,555	1.86	1,954,439	1.08	13,361,490	(552)	2,295,130
2029	2030	1.69%	1,829,446,761	81,112,275	0.47	2.56	4.27	7.30	13,354,961	38,123	13,393,084	902,575	0.47	4,681,763	2.56	1,883,148	1.03	3,230,805	1.77	2,697,535	1.47	13,395,826	(2,742)	2,292,388
2030	2031	1.69%	1,860,364,411	81,112,275	0.47	2.08	4.75	7.30	13,580,660	38,123	13,618,783	910,075	0.47	3,874,263	2.08	1,437,273	0.77	3,914,105	2.10	3,486,195	1.88	13,621,911	(3,128)	2,289,260
2031	2032	1.69%	1,891,804,570	81,112,275	0.98	0.86	5.46	7.30	13,810,173	73,900	13,889,663	1,928,575	0.98	1,633,263	0.86	2,660,558	1.41	3,918,400	2.07	3,748,495	1.98	13,889,291	372	2,289,632
2032	2033	1.69%	1,923,776,067	81,112,275	0.90	0.46	5.94	7.30	14,043,565	79,401	14,116,566	1,979,962	0.90	888,063	0.46	3,538,435	1.84	3,910,563	2.03	3,979,585	2.07	14,114,608	1,958	2,291,590
2033	2034	1.69%	1,956,287,883	81,112,275	0.37	0.19	6.46	7.02	13,733,141	30,012	13,763,153	762,025	0.37	371,263	0.19	5,094,685	2.60	3,900,888	1.99	3,639,555	1.87	13,768,416	(5,263)	2,286,327
2034	2035	1.69%	1,989,349,148	81,112,275	0.36	0.20	6.32	6.88	13,686,722	29,200	13,715,922	745,775	0.36	388,613	0.20	4,904,910	2.47	4,039,325	2.03	3,627,725	1.82	13,706,348	9,574	2,295,901
2035	2036	1.69%	2,022,969,149	81,112,275	0.47	0.08	6.20	6.75	13,655,042	38,123	13,693,165	981,963	0.47	155,400	0.08	4,822,170	2.38	4,095,050	2.02	3,622,975	1.80	13,677,558	15,607	2,311,508
2036	2037	1.69%	2,057,157,328	81,112,275	0.45	0.09	6.09	6.63	13,638,953	36,501	13,675,454	956,869	0.45	182,250	0.09	4,752,070	2.31	4,170,675	2.03	3,614,850	1.75	13,676,714	(1,260)	2,310,248
2037	2038	1.69%	2,091,923,287	81,112,275	0.43	0.05	6.03	6.51	13,618,421	34,878	13,653,299	930,838	0.43	108,425	0.05	4,618,620	2.21	4,389,988	2.10	3,603,250	1.72	13,651,121	2,178	2,312,426
2038	2039	1.69%	2,127,276,791	81,112,275	0.41	0.07	5.76	6.24	13,274,207	33,256	13,307,463	904,588	0.41	141,925	0.07	2,133,958	1.00	6,671,513	3.14	3,438,075	1.62	13,290,059	17,404	2,329,830
2039	2040	1.69%	2,163,227,769	81,112,275	0.39	0.08	5.65	6.12	13,238,954	31,634	13,270,588	878,338	0.39	169,900	0.08	-	-	8,801,513	4.07	3,425,300	1.58	13,275,051	(4,463)	2,325,367
2040	2041	1.69%	2,199,786,318	81,112,275	0.37	0.09	5.56	6.02	13,242,714	30,012	13,272,726	852,088	0.37	192,425	0.09	-	-	8,777,463	3.99	3,458,900	1.57	13,280,876	(8,150)	2,317,217
2041	2042	1.69%	2,236,962,707	81,112,275	0.34	0.12	5.45	5.91	13,220,450	27,578	13,248,028	785,838	0.34	267,330	0.12	-	-	8,810,988	3.94	3,386,650	1.51	13,250,806	(2,778)	2,314,439
2042	2043	1.69%	2,274,767,377	81,112,275	0.32	0.13	5.31	5.76	13,102,660	25,956	13,128,616	750,987	0.32	302,198	0.13	-	-	8,773,175	3.86	3,312,700	1.45	13,139,600	(10,444)	2,303,995
2043	2044	1.69%	2,313,210,946	81,112,275	0.22	0.22	5.16	5.60	12,953,981	17,845	12,971,826	537,362	0.22	512,048	0.22	-	-	8,690,700	3.76	3,237,050	1.40	12,977,160	(5,334)	2,298,661
2044	2045	1.69%	2,352,304,211	81,112,275	0.05	0.39	5.02	5.46	12,843,581	4,056	12,847,637	112,687	0.05	921,793	0.39	-	-	8,539,200	3.63	3,259,700	1.39	12,833,380	14,257	2,312,918
2045	2046	1.69%	2,392,058,152	81,112,275	0.04	0.39	4.95	5.38	12,869,273	3,244	12,872,517	109,062	0.04	921,333	0.39	-	-	8,370,600	3.50	3,476,000	1.45	12,876,995	(4,478)	2,308,440
2046	2047	1.69%	2,432,483,935	81,112,275	0.04	0.37	4.79	5.20	12,648,916	3,244	12,652,160	105,437	0.04	890,873	0.37	-	-	3,874,500	1.59	7,776,250	3.20	12,647,060	5,100	2,313,540
2047	2048	1.69%	2,473,592,914	81,112,275	0.04	0.35	3.02	3.41	8,434,952	3,244	8,438,196	101,812	0.04	855,428	0.35	-	-	-	-	7,461,000	3.02	8,418,240	19,956	2,333,496
2048	2049	1.69%	2,515,536,634	81,112,275	-	-	2.84	2.84	7,143,726	-	7,143,726	-	-	-	-	-	-	-	-	7,139,250	2.84	7,139,250	4,476	2,337,972
2049	2050	1.69%	2,557,906,837	81,112,275	-	-	2.09	2.09	5,346,025	-	5,346,025	-	-	-	-	-	-	-	-	5,349,250	2.09	5,349,250	(3,225)	2,334,747
2050	2051	1.69%	2,601,135,463	81,112,275	-	-	0.31	0.31	806,352	-	806,352	-	-	-	-	-	-	-	-	812,500	0.31	812,500	(6,148)	2,328,599
2051	2052	1.69%	2,645,094,652	81,112,275	-	-	0.10	0.10	264,509	-	264,509	-	-	-	-	-	-	-	-	275,000	0.10	275,000	(10,491)	2,318,108
2052	2053	1.69%	2,689,796,752	81,112,275	-	-	0.10	0.10	268,980	-	268,980	-	-	-	-	-	-	-	-	262,500	0.10	262,500	6,480	2,324,588
Totals					36.57	12.60	118.16	167.33	\$336,059,287	\$2,966,277	\$339,025,564	\$66,374,065	36.57	\$21,869,134	12.60	\$42,783,403	22.09	\$116,298,323	55.00	\$90,044,729	41.07	\$337,369,654		

	2025 Bonds	2026 Bonds	2028 Bonds	Total
Dated date	2/28/2025	6/30/2026	6/30/2028	
First interest payment	11/1/2025	11/1/2026	11/1/2028	
Taxable value	1,598,426,347	1,695,770,511	1,799,042,935	
Total debt	\$95,845,000	\$163,350,000	\$215,465,000	
Debt/taxable value	6.00%	9.63%	11.98%	
Bond years	307,282.59	1,054,686.61	806,278.88	2,431,971.00
Total years	14.17	20.84	24.84	28.17
Average years	10.11	15.62	16.21	
Interest expense	\$12,403,403	\$48,793,323	\$37,929,729	\$99,126,455
Net interest	\$12,707,203	\$49,468,373	\$38,450,879	\$100,626,455
Average rate	4.04%	4.63%	4.70%	4.08%
Net interest cost	4.14%	4.69%	4.77%	4.14%
Average millage	1.56	2.64	1.65	4.19
Interest to principal ratio	0.41	0.72	0.73	0.66

	2025 Bonds	2026 Bonds	2028 Bonds	Total
Bond Principal	\$30,380,000	\$67,505,000	\$52,115,000	\$150,000,000
Interest	\$12,403,403	\$48,793,323	\$37,929,729	\$99,126,455
Interest Rates	3.05% - 4.35%	3.05% - 5.00%	3.15% - 5.00%	
Divided by Total Years	14.17	20.84	24.84	
Average Millage	1.56	2.64	1.65	

**AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN**

SCHEDULE OF PROPOSED COMBINED DEBT SERVICE

Payment Date	Existing						Proposed			Total	Fiscal Year Total	
	2010 Bonds	2017 Bonds	2018 Bonds	2020B Bonds	2020A Ref Bonds	2020A B&S Bonds	2025 Bonds	2026 Bonds	2028 Bonds			
11/01/23	\$17,217.40	\$2,652,250.00	\$585,387.50	\$508,882.50	\$364,900.00	\$277,131.25	\$0.00	\$0.00	\$0.00	\$4,405,768.65		
05/01/24	17,217.40	284,500.00	175,387.50	5,495,482.50	364,900.00	277,131.25	-	-	-	6,614,618.65	\$11,020,387.30	
11/01/24	17,217.40	2,699,500.00	175,387.50	938,320.00	364,900.00	277,131.25	-	-	-	4,472,456.15		
05/01/25	17,217.40	224,125.00	175,387.50	5,650,400.00	544,900.00	277,131.25	-	-	-	6,889,161.15	11,361,617.30	
11/01/25	17,217.40	2,629,125.00	175,387.50	-	760,400.00	277,131.25	802,225.40	-	-	4,661,486.55		
05/01/26	17,217.40	164,000.00	175,387.50	-	5,615,400.00	377,131.25	1,449,172.50	-	-	7,798,308.65	12,459,795.20	
11/01/26	17,217.40	1,864,000.00	175,387.50	-	718,775.00	274,631.25	586,210.00	1,026,921.12	-	4,663,142.27		
05/01/27	1,342,217.40	1,111,500.00	175,387.50	-	2,206,275.00	274,631.25	1,226,210.00	1,742,651.25	-	8,078,872.40	12,742,014.67	
11/01/27	11,514.14	1,486,750.00	175,387.50	-	956,275.00	274,631.25	576,130.00	1,524,372.50	-	5,005,060.39		
05/01/28	1,346,514.14	1,482,000.00	175,387.50	-	1,966,275.00	274,631.25	1,061,130.00	1,784,372.50	-	8,090,310.39	13,095,370.78	
11/01/28	5,767.83	551,500.00	175,387.50	-	1,590,525.00	274,631.25	568,248.75	1,520,277.50	785,671.49	5,472,009.32		
05/01/29	1,345,767.83	548,375.00	175,387.50	-	888,025.00	1,274,631.25	668,248.75	1,820,277.50	1,168,767.50	7,889,480.33	13,361,489.65	
11/01/29	-	-	675,387.50	-	32,150.00	949,631.25	566,573.75	1,515,402.50	1,168,767.50	4,907,912.50		
05/01/30	-	-	162,887.50	-	32,150.00	3,732,131.25	1,316,573.75	1,715,402.50	1,528,767.50	8,487,912.50	13,395,825.00	
11/01/30	-	-	662,887.50	-	32,150.00	744,631.25	553,636.25	1,512,052.50	1,163,097.50	4,668,455.00		
05/01/31	-	-	152,887.50	-	62,150.00	3,129,631.25	883,636.25	2,402,052.50	2,323,097.50	8,953,455.00	13,621,910.00	
11/01/31	-	-	652,887.50	-	31,400.00	354,631.25	547,778.75	1,496,700.00	1,144,247.50	4,227,645.00		
05/01/32	-	-	142,887.50	-	1,101,400.00	1,278,631.25	2,112,778.75	2,421,700.00	2,604,247.50	9,661,645.00	13,889,290.00	
11/01/32	-	-	642,887.50	-	10,000.00	24,031.25	519,217.50	1,480,281.25	1,119,792.50	3,796,210.00		
05/01/33	-	-	135,075.00	-	1,010,000.00	864,031.25	3,019,217.50	2,430,281.25	2,859,792.50	10,318,397.50	14,114,607.50	
11/01/33	-	-	635,075.00	-	-	15,631.25	472,342.50	1,462,943.75	1,089,777.50	3,675,770.00		
05/01/34	-	-	126,950.00	-	-	355,631.25	4,622,342.50	2,437,943.75	2,549,777.50	10,092,645.00	13,768,415.00	
11/01/34	-	-	626,950.00	-	-	11,806.25	392,455.00	1,444,662.50	1,063,862.50	3,539,736.25		
05/01/35	-	-	118,825.00	-	-	376,806.25	4,512,455.00	2,594,662.50	2,563,862.50	10,166,611.25	13,706,347.50	
11/01/35	-	-	468,825.00	-	-	7,700.00	311,085.00	1,422,525.00	1,036,487.50	3,246,622.50		
05/01/36	-	-	513,137.50	-	-	147,700.00	4,511,085.00	2,672,525.00	2,586,487.50	10,430,935.00	13,677,557.50	
11/01/36	-	-	456,387.50	-	-	6,125.00	226,035.00	1,397,837.50	1,007,425.00	3,093,810.00		
05/01/37	-	-	500,481.25	-	-	176,125.00	4,526,035.00	2,772,837.50	2,607,425.00	10,582,903.75	13,676,713.75	
11/01/37	-	-	443,481.25	-	-	4,212.50	136,810.00	1,369,993.75	976,625.00	2,931,122.50		
05/01/38	-	-	487,356.25	-	-	104,212.50	4,481,810.00	3,019,993.75	2,626,625.00	10,719,997.50	13,651,120.00	
11/01/38	-	-	430,356.25	-	-	3,462.50	44,478.75	1,335,756.25	944,037.50	2,758,091.25		
05/01/39	-	-	474,231.25	-	-	138,462.50	2,089,478.75	5,335,756.25	2,494,037.50	10,531,966.25	13,290,057.50	
11/01/39	-	-	417,231.25	-	-	2,450.00	-	1,250,756.25	912,650.00	2,583,087.50		
05/01/40	-	-	461,106.25	-	-	167,450.00	-	7,550,756.25	2,512,650.00	10,691,962.50	13,275,050.00	
11/01/40	-	-	404,106.25	-	-	1,112.50	-	1,113,731.25	879,450.00	2,398,500.00		
05/01/41	-	-	447,981.25	-	-	191,212.50	-	7,663,731.25	2,579,450.00	10,882,375.00	13,280,875.00	
11/01/41	-	-	390,981.25	-	-	1,165.00	-	967,993.75	843,325.00	2,203,465.00		
05/01/42	-	-	394,856.25	-	-	266,165.00	-	7,842,993.75	2,543,325.00	11,047,340.00	13,250,805.00	
11/01/42	-	-	378,556.25	-	-	1,098.75	-	811,587.50	806,350.00	1,997,592.50		
05/01/43	-	-	372,431.25	-	-	301,098.75	-	7,961,587.50	2,506,350.00	11,141,467.50	13,139,060.00	
11/01/43	-	-	316,306.25	-	-	1,023.75	-	645,350.00	768,525.00	1,731,205.00		
05/01/44	-	-	221,056.25	-	-	511,023.75	-	8,045,350.00	2,468,525.00	11,245,955.00	12,977,160.00	
11/01/44	-	-	107,250.00	-	-	896.25	-	469,600.00	729,850.00	1,307,596.25		
05/01/45	-	-	5,437.50	-	-	920,896.25	-	8,069,600.00	2,529,850.00	11,525,783.75	12,833,380.00	
11/01/45	-	-	105,437.50	-	-	666.25	-	285,300.00	688,000.00	1,079,403.75		
05/01/46	-	-	3,625.00	-	-	920,666.25	-	8,085,300.00	2,788,000.00	11,797,591.25	12,876,995.00	
11/01/46	-	-	103,625.00	-	-	436.25	-	92,250.00	638,125.00	834,436.25		
05/01/47	-	-	1,812.50	-	-	890,436.25	-	3,782,250.00	7,138,125.00	11,812,623.75	12,647,060.00	
11/01/47	-	-	101,812.50	-	-	213.75	-	-	480,500.00	582,526.25		
05/01/48	-	-	-	-	-	855,213.75	-	-	6,980,500.00	7,835,713.75	8,418,240.00	
11/01/48	-	-	-	-	-	-	-	-	319,625.00	319,625.00		
05/01/49	-	-	-	-	-	-	-	-	6,819,625.00	6,819,625.00	7,139,250.00	
11/01/49	-	-	-	-	-	-	-	-	157,125.00	157,125.00		
05/01/50	-	-	-	-	-	-	-	-	5,192,125.00	5,192,125.00	5,349,250.00	
11/01/50	-	-	-	-	-	-	-	-	31,250.00	31,250.00		
05/01/51	-	-	-	-	-	-	-	-	781,250.00	781,250.00	812,500.00	
11/01/51	-	-	-	-	-	-	-	-	12,500.00	12,500.00		
05/01/52	-	-	-	-	-	-	-	-	262,500.00	262,500.00	275,000.00	
11/01/52	-	-	-	-	-	-	-	-	6,250.00	6,250.00		
05/01/53	-	-	-	-	-	-	-	-	256,250.00	256,250.00	262,500.00	
Totals	\$4,172,303.14	\$15,697,625.00	\$15,258,106.25	\$12,593,085.00	\$18,652,950.00	\$21,869,125.00	42,783,400.40	\$116,298,319.87	\$90,044,728.99	\$337,369,643.65	\$337,369,643.65	
										Qualified Bonds	Non-Voted Bonds	Total
											2023	
Principal Balance	\$4,000,000.00	\$13,690,000.00	\$10,220,000.00	\$12,270,000.00	\$15,410,000.00	\$17,535,000.00	\$30,380,000.00	\$67,505,000.00	\$52,115,000.00	\$223,125,000.00	\$1,030,000.00	\$224,155,000.00
Less:												
11/1/2023 and 5/1/2024	-	(2,310,000.00)	(400,000.00)	(5,790,000.00)	-	-	-	-	-	(8,500,000.00)	(190,000.00)	(8,690,000.00)
Present Balance	\$4,000,000.00	\$11,380,000.00	\$9,820,000.00	\$6,480,000.00	\$15,410,000.00	\$17,535,000.00	\$30,380,000.00	\$67,505,000.00	\$52,115,000.00	\$214,625,000.00	\$840,000.00	\$215,465,000.00

**AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN**

2010A

**SCHEDULE OF AMORTIZATION
OF OUTSTANDING 2010 SCHOOL BUILDING AND SITE BONDS, SERIES A
(Unlimited Tax General Obligation)
(Taxable - Qualified School Construction Bonds - Direct Payment)
Principal payable annually on May 1st.
Interest payable semi-annually on May 1st and November 1st.
Michigan School Bond Qualification and Loan Program Qualified
Bonds dated October 28, 2010**

Payment Date	Principal Balance (----In \$1,000's----)	Principal	Interest Rate (%)	Effective Interest Rate (%)	Interest	QSCB Credit 4.93%	Sequestration 5.90%	Net Interest	Total	Fiscal Year
										Total
11/01/23	4,000				\$110,000.00	(\$98,600.00)	\$5,817.40	\$17,217.40	\$17,217.40	
05/01/24	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	\$34,434.80
11/01/24	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	
05/01/25	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	34,434.80
11/01/25	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	
05/01/26	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	34,434.80
11/01/26	4,000				110,000.00	(98,600.00)	5,817.40	17,217.40	17,217.40	
05/01/27	4,000	\$1,325	5.500	0.861	110,000.00	(98,600.00)	5,817.40	17,217.40	1,342,217.40	1,359,434.80
11/01/27	2,675				73,562.50	(65,938.75)	3,890.39	11,514.14	11,514.14	
05/01/28	2,675	1,335	5.500	0.861	73,562.50	(65,938.75)	3,890.39	11,514.14	1,346,514.14	1,358,028.28
11/01/28	1,340				36,850.00	(33,031.00)	1,948.83	5,767.83	5,767.83	
05/01/29	1,340	1,340	5.500	0.861	36,850.00	(33,031.00)	1,948.83	5,767.83	1,345,767.83	1,351,535.66
Totals		<u>\$4,000</u>			<u>\$1,100,825.00</u>	<u>(\$986,739.50)</u>	<u>\$58,217.64</u>	<u>\$172,303.14</u>	<u>\$4,172,303.14</u>	<u>\$4,172,303.14</u>

Optional Redemption:

Callable on May 1, 2020.

Original Par Amount:

\$4,000,000

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

SCHEDULE OF AMORTIZATION OF OUTSTANDING
2017 REFUNDING BONDS

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable semi-annually on May 1st and November 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated February 21, 2017

Payment Date	Principal		Interest		Total	Levy Year Total
	Balance (---In \$1,000's---)	Principal	Rate (%)	Interest (-----In Dollars-----)		
11/01/23	\$13,690	\$2,310	5.000	\$342,250.00	\$2,652,250.00	
05/01/24	11,380	-	-	284,500.00	284,500.00	\$2,936,750.00
11/01/24	11,380	2,415	5.000	284,500.00	2,699,500.00	
05/01/25	8,965	-	-	224,125.00	224,125.00	2,923,625.00
11/01/25	8,965	2,405	5.000	224,125.00	2,629,125.00	
05/01/26	6,560	-	-	164,000.00	164,000.00	2,793,125.00
11/01/26	6,560	1,700	5.000	164,000.00	1,864,000.00	
05/01/27	4,860	990	5.000	121,500.00	1,111,500.00	2,975,500.00
11/01/27	3,870	1,390	5.000	96,750.00	1,486,750.00	
05/01/28	2,480	1,420	5.000	62,000.00	1,482,000.00	2,968,750.00
11/01/28	1,060	525	5.000	26,500.00	551,500.00	
05/01/29	535	535	5.000	13,375.00	548,375.00	1,099,875.00
Totals		<u>\$13,690</u>		<u>\$2,007,625.00</u>	<u>\$15,697,625.00</u>	<u>\$15,697,625.00</u>

Optional Redemption:

Callable on November 1, 2026

Original Par Amount

\$15,880,000

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

SCHEDULE OF AMORTIZATION OF OUTSTANDING
2018 BUILDING AND SITE BONDS
(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified
Principal payable semi-annually on May 1st and November 1st.
Interest payable semi-annually on May 1st and November 1st.
Bonds dated May 30, 2018

Payment Date	Principal Balance (---In \$1,000's---)	Principal	Interest Rate (%)	Interest	Total (-----In Dollars-----)	Levy Year Total
11/01/23	\$10,220	\$400	5.000	\$185,387.50	\$585,387.50	
05/01/24	9,820	-	-	175,387.50	175,387.50	\$760,775.00
11/01/24	9,820	-	-	175,387.50	175,387.50	
05/01/25	9,820	-	-	175,387.50	175,387.50	350,775.00
11/01/25	9,820	-	-	175,387.50	175,387.50	
05/01/26	9,820	-	-	175,387.50	175,387.50	350,775.00
11/01/26	9,820	-	-	175,387.50	175,387.50	
05/01/27	9,820	-	-	175,387.50	175,387.50	350,775.00
11/01/27	9,820	-	-	175,387.50	175,387.50	
05/01/28	9,820	-	-	175,387.50	175,387.50	350,775.00
11/01/28	9,820	-	-	175,387.50	175,387.50	
05/01/29	9,820	-	-	175,387.50	175,387.50	350,775.00
11/01/29	9,820	500	5.000	175,387.50	675,387.50	
05/01/30	9,320	-	-	162,887.50	162,887.50	838,275.00
11/01/30	9,320	500	4.000	162,887.50	662,887.50	
05/01/31	8,820	-	-	152,887.50	152,887.50	815,775.00
11/01/31	8,820	500	4.000	152,887.50	652,887.50	
05/01/32	8,320	-	-	142,887.50	142,887.50	795,775.00
11/01/32	8,320	500	3.125	142,887.50	642,887.50	
05/01/33	7,820	-	-	135,075.00	135,075.00	777,962.50
11/01/33	7,820	500	3.250	135,075.00	635,075.00	
05/01/34	7,320	-	-	126,950.00	126,950.00	762,025.00
11/01/34	7,320	500	3.250	126,950.00	626,950.00	
05/01/35	6,820	-	-	118,825.00	118,825.00	745,775.00
11/01/35	6,820	350	3.250	118,825.00	468,825.00	
05/01/36	6,470	400	3.375	113,137.50	513,137.50	981,962.50
11/01/36	6,070	350	3.375	106,387.50	456,387.50	
05/01/37	5,720	400	3.500	100,481.25	500,481.25	956,868.75
11/01/37	5,320	350	3.500	93,481.25	443,481.25	
05/01/38	4,970	400	3.500	87,356.25	487,356.25	930,837.50
11/01/38	4,570	350	3.500	80,356.25	430,356.25	
05/01/39	4,220	400	3.500	74,231.25	474,231.25	904,587.50
11/01/39	3,820	350	3.500	67,231.25	417,231.25	
05/01/40	3,470	400	3.500	61,106.25	461,106.25	878,337.50
11/01/40	3,070	350	3.500	54,106.25	404,106.25	
05/01/41	2,720	400	3.500	47,981.25	447,981.25	852,087.50
11/01/41	2,320	350	3.500	40,981.25	390,981.25	
05/01/42	1,970	360	3.500	34,856.25	394,856.25	785,837.50
11/01/42	1,610	350	3.500	28,556.25	378,556.25	
05/01/43	1,260	350	3.500	22,431.25	372,431.25	750,987.50
11/01/43	910	300	3.500	16,306.25	316,306.25	
05/01/44	610	210	3.625	11,056.25	221,056.25	537,362.50
11/01/44	400	100	3.625	7,250.00	107,250.00	
05/01/45	300	-	-	5,437.50	5,437.50	112,687.50
11/01/45	300	100	3.625	5,437.50	105,437.50	
05/01/46	200	-	-	3,625.00	3,625.00	109,062.50
11/01/46	200	100	3.625	3,625.00	103,625.00	
05/01/47	100	-	-	1,812.50	1,812.50	105,437.50
11/01/47	100	100	3.625	1,812.50	101,812.50	
05/01/48	-	-	-	0.00	0.00	101,812.50
Totals		<u>\$10,220</u>		<u>\$5,038,106.25</u>	<u>\$15,258,106.25</u>	<u>\$15,258,106.25</u>

Optional Redemption:

Callable on May 1, 2028

Original Par Amount

\$12,450,000

AVONDALE SCHOOL DISTRICT
 COUNTY OF OAKLAND, STATE OF MICHIGAN

2020 - Tax Ref

SCHEDULE OF AMORTIZATION OF OUTSTANDING
2020 REFUNDING BONDS, SERIES B

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable semi-annually on May 1st and November 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated February 25, 2020

Payment Date	Principal Balance	Principal	Interest Rate	Interest	Total	Levy Year Total
	(---In \$1,000's---)		(%)	(-----In Dollars-----)		
11/01/23	\$12,270	\$400	1.700	\$108,882.50	\$508,882.50	
05/01/24	11,870	5,390	1.750	105,482.50	5,495,482.50	\$6,004,365.00
11/01/24	6,480	880	1.800	58,320.00	938,320.00	
05/01/25	5,600	5,600	1.800	50,400.00	5,650,400.00	6,588,720.00
Totals		<u>\$12,270</u>		<u>\$323,085.00</u>	<u>\$12,593,085.00</u>	<u>\$12,593,085.00</u>

Optional Redemption:

Non-callable

Original Par Amount

\$23,125,000

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

Refunding Portion

SCHEDULE OF AMORTIZATION OF OUTSTANDING
2020 SCHOOL BUILDING AND SITE AND REFUNDING BONDS, SERIES A

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable semi-annually on May 1st and November 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated February 25, 2020

Payment Date	Principal		Interest		Total	Levy Year Total
	Balance (---In \$1,000's---)	Principal (---In \$1,000's---)	Rate (%)	Interest (-----In Dollars-----)		
11/01/23	\$15,410	\$0	-	\$364,900.00	\$364,900.00	
05/01/24	15,410	-	-	364,900.00	364,900.00	\$729,800.00
11/01/24	15,410	-	-	364,900.00	364,900.00	
05/01/25	15,410	180	5.000	364,900.00	544,900.00	909,800.00
11/01/25	15,230	400	5.000	360,400.00	760,400.00	
05/01/26	14,830	5,265	5.000	350,400.00	5,615,400.00	6,375,800.00
11/01/26	9,565	500	5.000	218,775.00	718,775.00	
05/01/27	9,065	2,000	5.000	206,275.00	2,206,275.00	2,925,050.00
11/01/27	7,065	800	5.000	156,275.00	956,275.00	
05/01/28	6,265	1,830	5.000	136,275.00	1,966,275.00	2,922,550.00
11/01/28	4,435	1,500	5.000	90,525.00	1,590,525.00	
05/01/29	2,935	835	5.000	53,025.00	888,025.00	2,478,550.00
11/01/29	2,100	-	-	32,150.00	32,150.00	
05/01/30	2,100	-	-	32,150.00	32,150.00	64,300.00
11/01/30	2,100	-	-	32,150.00	32,150.00	
05/01/31	2,100	30	5.000	32,150.00	62,150.00	94,300.00
11/01/31	2,070	-	-	31,400.00	31,400.00	
05/01/32	2,070	1,070	4.000	31,400.00	1,101,400.00	1,132,800.00
11/01/32	1,000	-	-	10,000.00	10,000.00	
05/01/33	1,000	1,000	2.000	10,000.00	1,010,000.00	1,020,000.00
Totals		<u>\$15,410</u>		<u>\$3,242,950.00</u>	<u>\$18,652,950.00</u>	<u>\$18,652,950.00</u>

Optional Redemption:

Callable on May 1, 2030

Original Par Amount

\$15,410,000

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

Building Portion

SCHEDULE OF AMORTIZATION OF OUTSTANDING
2020 SCHOOL BUILDING AND SITE AND REFUNDING BONDS, SERIES A

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable semi-annually on May 1st and November 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated February 25, 2020

Payment Date	Principal		Interest		Total	Levy Year Total
	Balance (---In \$1,000's---)	Principal	Rate (%)	Interest (-----In Dollars-----)		
11/01/23	\$17,535	\$0	-	\$277,131.25	\$277,131.25	
05/01/24	17,535	-	-	277,131.25	277,131.25	\$554,262.50
11/01/24	17,535	-	-	277,131.25	277,131.25	
05/01/25	17,535	-	-	277,131.25	277,131.25	554,262.50
11/01/25	17,535	-	-	277,131.25	277,131.25	
05/01/26	17,535	100	5.000	277,131.25	377,131.25	654,262.50
11/01/26	17,435	-	-	274,631.25	274,631.25	
05/01/27	17,435	-	-	274,631.25	274,631.25	549,262.50
11/01/27	17,435	-	-	274,631.25	274,631.25	
05/01/28	17,435	-	-	274,631.25	274,631.25	549,262.50
11/01/28	17,435	-	-	274,631.25	274,631.25	
05/01/29	17,435	1,000	5.000	274,631.25	1,274,631.25	1,549,262.50
11/01/29	16,435	700	5.000	249,631.25	949,631.25	
05/01/30	15,735	3,500	5.000	232,131.25	3,732,131.25	4,681,762.50
11/01/30	12,235	600	5.000	144,631.25	744,631.25	
05/01/31	11,635	3,000	5.000	129,631.25	3,129,631.25	3,874,262.50
11/01/31	8,635	300	4.000	54,631.25	354,631.25	
05/01/32	8,335	1,230	4.000	48,631.25	1,278,631.25	1,633,262.50
11/01/32	7,105	-	-	24,031.25	24,031.25	
05/01/33	7,105	840	2.000	24,031.25	864,031.25	888,062.50
11/01/33	6,265	-	-	15,631.25	15,631.25	
05/01/34	6,265	340	2.250	15,631.25	355,631.25	371,262.50
11/01/34	5,925	-	-	11,806.25	11,806.25	
05/01/35	5,925	365	2.250	11,806.25	376,806.25	388,612.50
11/01/35	5,560	-	-	7,700.00	7,700.00	
05/01/36	5,560	140	2.250	7,700.00	147,700.00	155,400.00
11/01/36	5,420	-	-	6,125.00	6,125.00	
05/01/37	5,420	170	2.250	6,125.00	176,125.00	182,250.00
11/01/37	5,250	-	-	4,212.50	4,212.50	
05/01/38	5,250	100	1.500	4,212.50	104,212.50	108,425.00
11/01/38	5,150	-	-	3,462.50	3,462.50	
05/01/39	5,150	135	1.500	3,462.50	138,462.50	141,925.00
11/01/39	5,015	-	-	2,450.00	2,450.00	
05/01/40	5,015	165	1.500	2,450.00	167,450.00	169,900.00
11/01/40	4,850	-	-	1,212.50	1,212.50	
05/01/41	4,850	190	0.050	1,212.50	191,212.50	192,425.00
11/01/41	4,660	-	-	1,165.00	1,165.00	
05/01/42	4,660	265	0.050	1,165.00	266,165.00	267,330.00
11/01/42	4,395	-	-	1,098.75	1,098.75	
05/01/43	4,395	300	0.050	1,098.75	301,098.75	302,197.50
11/01/43	4,095	-	-	1,023.75	1,023.75	
05/01/44	4,095	510	0.050	1,023.75	511,023.75	512,047.50
11/01/44	3,585	-	-	896.25	896.25	
05/01/45	3,585	920	0.050	896.25	920,896.25	921,792.50
11/01/45	2,665	-	-	666.25	666.25	
05/01/46	2,665	920	0.050	666.25	920,666.25	921,332.50
11/01/46	1,745	-	-	436.25	436.25	
05/01/47	1,745	890	0.050	436.25	890,436.25	890,872.50
11/01/47	855	-	-	213.75	213.75	
05/01/48	855	855	0.050	213.75	855,213.75	855,427.50
Totals		<u>\$17,535</u>		<u>\$4,334,125.00</u>	<u>\$21,869,125.00</u>	<u>\$21,869,125.00</u>

Optional Redemption:

Callable on May 1, 2030

Original Par Amount

\$17,535,000

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

SCHEDULE OF AMORTIZATION OF \$30,380,000 PRINCIPAL AMOUNT
PROPOSED 2025 BUILDING AND SITE BONDS, SERIES I

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable annually on May 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated February 28, 2025

Payment Date	Principal		Estimated Interest		Total	Fiscal Year Total
	Balance (-----In \$1,000's-----)	Principal (-----In \$1,000's-----)	Rate (%)	Interest (-----In Dollars-----)		
11/01/25	\$30,380	\$0	-	\$802,225.40	\$802,225.40	\$0.00
05/01/26	30,380	850	3.05	599,172.50	1,449,172.50	2,251,397.90
11/01/26	29,530	-	-	586,210.00	586,210.00	0.00
05/01/27	29,530	640	3.15	586,210.00	1,226,210.00	1,812,420.00
11/01/27	28,890	-	-	576,130.00	576,130.00	0.00
05/01/28	28,890	485	3.25	576,130.00	1,061,130.00	1,637,260.00
11/01/28	28,405	-	-	568,248.75	568,248.75	0.00
05/01/29	28,405	100	3.35	568,248.75	668,248.75	1,236,497.50
11/01/29	28,305	-	-	566,573.75	566,573.75	0.00
05/01/30	28,305	750	3.45	566,573.75	1,316,573.75	1,883,147.50
11/01/30	27,555	-	-	553,636.25	553,636.25	0.00
05/01/31	27,555	330	3.55	553,636.25	883,636.25	1,437,272.50
11/01/31	27,225	-	-	547,778.75	547,778.75	0.00
05/01/32	27,225	1,565	3.65	547,778.75	2,112,778.75	2,660,557.50
11/01/32	25,660	-	-	519,217.50	519,217.50	0.00
05/01/33	25,660	2,500	3.75	519,217.50	3,019,217.50	3,538,435.00
11/01/33	23,160	-	-	472,342.50	472,342.50	0.00
05/01/34	23,160	4,150	3.85	472,342.50	4,622,342.50	5,094,685.00
11/01/34	19,010	-	-	392,455.00	392,455.00	0.00
05/01/35	19,010	4,120	3.95	392,455.00	4,512,455.00	4,904,910.00
11/01/35	14,890	-	-	311,085.00	311,085.00	0.00
05/01/36	14,890	4,200	4.05	311,085.00	4,511,085.00	4,822,170.00
11/01/36	10,690	-	-	226,035.00	226,035.00	0.00
05/01/37	10,690	4,300	4.15	226,035.00	4,526,035.00	4,752,070.00
11/01/37	6,390	-	-	136,810.00	136,810.00	0.00
05/01/38	6,390	4,345	4.25	136,810.00	4,481,810.00	4,618,620.00
11/01/38	2,045	-	-	44,478.75	44,478.75	0.00
05/01/39	2,045	2,045	4.35	44,478.75	2,089,478.75	2,133,957.50
Totals		<u>\$30,380</u>		<u>\$12,403,400.40</u>	<u>\$42,783,400.40</u>	<u>\$42,783,400.40</u>

Optional redemption:
Callable on May 1, 2035

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

**SCHEDULE OF AMORTIZATION OF \$67,505,000 PRINCIPAL AMOUNT
PROPOSED 2026 BUILDING AND SITE BONDS, SERIES II**

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable annually on May 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated June 30, 2026

Payment Date	Principal		Estimated Interest		Total	Fiscal Year Total
	Balance	Principal	Rate	Interest		
	(-----In \$1,000's-----)		(%)	(-----In Dollars-----)		
11/01/26	\$67,505	\$0	-	\$1,026,921.12	\$1,026,921.12	\$0.00
05/01/27	67,505	215	3.05	1,527,651.25	1,742,651.25	2,769,572.37
11/01/27	67,290	-	-	1,524,372.50	1,524,372.50	0.00
05/01/28	67,290	260	3.15	1,524,372.50	1,784,372.50	3,308,745.00
11/01/28	67,030	-	-	1,520,277.50	1,520,277.50	0.00
05/01/29	67,030	300	3.25	1,520,277.50	1,820,277.50	3,340,555.00
11/01/29	66,730	-	-	1,515,402.50	1,515,402.50	0.00
05/01/30	66,730	200	3.35	1,515,402.50	1,715,402.50	3,230,805.00
11/01/30	66,530	-	-	1,512,052.50	1,512,052.50	0.00
05/01/31	66,530	890	3.45	1,512,052.50	2,402,052.50	3,914,105.00
11/01/31	65,640	-	-	1,496,700.00	1,496,700.00	0.00
05/01/32	65,640	925	3.55	1,496,700.00	2,421,700.00	3,918,400.00
11/01/32	64,715	-	-	1,480,281.25	1,480,281.25	0.00
05/01/33	64,715	950	3.65	1,480,281.25	2,430,281.25	3,910,562.50
11/01/33	63,765	-	-	1,462,943.75	1,462,943.75	0.00
05/01/34	63,765	975	3.75	1,462,943.75	2,437,943.75	3,900,887.50
11/01/34	62,790	-	-	1,444,662.50	1,444,662.50	0.00
05/01/35	62,790	1,150	3.85	1,444,662.50	2,594,662.50	4,039,325.00
11/01/35	61,640	-	-	1,422,525.00	1,422,525.00	0.00
05/01/36	61,640	1,250	3.95	1,422,525.00	2,672,525.00	4,095,050.00
11/01/36	60,390	-	-	1,397,837.50	1,397,837.50	0.00
05/01/37	60,390	1,375	4.05	1,397,837.50	2,772,837.50	4,170,675.00
11/01/37	59,015	-	-	1,369,993.75	1,369,993.75	0.00
05/01/38	59,015	1,650	4.15	1,369,993.75	3,019,993.75	4,389,987.50
11/01/38	57,365	-	-	1,335,756.25	1,335,756.25	0.00
05/01/39	57,365	4,000	4.25	1,335,756.25	5,335,756.25	6,671,512.50
11/01/39	53,365	-	-	1,250,756.25	1,250,756.25	0.00
05/01/40	53,365	6,300	4.35	1,250,756.25	7,550,756.25	8,801,512.50
11/01/40	47,065	-	-	1,113,731.25	1,113,731.25	0.00
05/01/41	47,065	6,550	4.45	1,113,731.25	7,663,731.25	8,777,462.50
11/01/41	40,515	-	-	967,993.75	967,993.75	0.00
05/01/42	40,515	6,875	4.55	967,993.75	7,842,993.75	8,810,987.50
11/01/42	33,640	-	-	811,587.50	811,587.50	0.00
05/01/43	33,640	7,150	4.65	811,587.50	7,961,587.50	8,773,175.00
11/01/43	26,490	-	-	645,350.00	645,350.00	0.00
05/01/44	26,490	7,400	4.75	645,350.00	8,045,350.00	8,690,700.00
11/01/44	19,090	-	-	469,600.00	469,600.00	0.00
05/01/45	19,090	7,600	4.85	469,600.00	8,069,600.00	8,539,200.00
11/01/45	11,490	-	-	285,300.00	285,300.00	0.00
05/01/46	11,490	7,800	4.95	285,300.00	8,085,300.00	8,370,600.00
11/01/46	3,690	-	-	92,250.00	92,250.00	0.00
05/01/47	3,690	3,690	5.00	92,250.00	3,782,250.00	3,874,500.00
Totals		\$67,505		\$48,793,319.87	\$116,298,319.87	\$116,298,319.87

Optional redemption:
Callable on May 1, 2036

AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

**SCHEDULE OF AMORTIZATION OF \$52,115,000 PRINCIPAL AMOUNT
PROPOSED 2028 BUILDING AND SITE BONDS, SERIES III**

(General Obligation-Unlimited Tax)

Michigan School Bond Qualification and Loan Program Qualified

Principal payable annually on May 1st.

Interest payable semi-annually on May 1st and November 1st.

Bonds dated June 30, 2028

Payment Date	Principal		Estimated Interest		Total	Fiscal Year Total
	Balance	Principal	Rate	Interest		
	(-----In \$1,000's-----)		(%)	(-----In Dollars-----)		
11/01/28	\$52,115	\$0	-	\$785,671.49	\$785,671.49	\$0.00
05/01/29	52,115	-	-	1,168,767.50	1,168,767.50	1,954,438.99
11/01/29	52,115	-	-	1,168,767.50	1,168,767.50	0.00
05/01/30	52,115	360	3.15	1,168,767.50	1,528,767.50	2,697,535.00
11/01/30	51,755	-	-	1,163,097.50	1,163,097.50	0.00
05/01/31	51,755	1,160	3.25	1,163,097.50	2,323,097.50	3,486,195.00
11/01/31	50,595	-	-	1,144,247.50	1,144,247.50	0.00
05/01/32	50,595	1,460	3.35	1,144,247.50	2,604,247.50	3,748,495.00
11/01/32	49,135	-	-	1,119,792.50	1,119,792.50	0.00
05/01/33	49,135	1,740	3.45	1,119,792.50	2,859,792.50	3,979,585.00
11/01/33	47,395	-	-	1,089,777.50	1,089,777.50	0.00
05/01/34	47,395	1,460	3.55	1,089,777.50	2,549,777.50	3,639,555.00
11/01/34	45,935	-	-	1,063,862.50	1,063,862.50	0.00
05/01/35	45,935	1,500	3.65	1,063,862.50	2,563,862.50	3,627,725.00
11/01/35	44,435	-	-	1,036,487.50	1,036,487.50	0.00
05/01/36	44,435	1,550	3.75	1,036,487.50	2,586,487.50	3,622,975.00
11/01/36	42,885	-	-	1,007,425.00	1,007,425.00	0.00
05/01/37	42,885	1,600	3.85	1,007,425.00	2,607,425.00	3,614,850.00
11/01/37	41,285	-	-	976,625.00	976,625.00	0.00
05/01/38	41,285	1,650	3.95	976,625.00	2,626,625.00	3,603,250.00
11/01/38	39,635	-	-	944,037.50	944,037.50	0.00
05/01/39	39,635	1,550	4.05	944,037.50	2,494,037.50	3,438,075.00
11/01/39	38,085	-	-	912,650.00	912,650.00	0.00
05/01/40	38,085	1,600	4.15	912,650.00	2,512,650.00	3,425,300.00
11/01/40	36,485	-	-	879,450.00	879,450.00	0.00
05/01/41	36,485	1,700	4.25	879,450.00	2,579,450.00	3,458,900.00
11/01/41	34,785	-	-	843,325.00	843,325.00	0.00
05/01/42	34,785	1,700	4.35	843,325.00	2,543,325.00	3,386,650.00
11/01/42	33,085	-	-	806,350.00	806,350.00	0.00
05/01/43	33,085	1,700	4.45	806,350.00	2,506,350.00	3,312,700.00
11/01/43	31,385	-	-	768,525.00	768,525.00	0.00
05/01/44	31,385	1,700	4.55	768,525.00	2,468,525.00	3,237,050.00
11/01/44	29,685	-	-	729,850.00	729,850.00	0.00
05/01/45	29,685	1,800	4.65	729,850.00	2,529,850.00	3,259,700.00
11/01/45	27,885	-	-	688,000.00	688,000.00	0.00
05/01/46	27,885	2,100	4.75	688,000.00	2,788,000.00	3,476,000.00
11/01/46	25,785	-	-	638,125.00	638,125.00	0.00
05/01/47	25,785	6,500	4.85	638,125.00	7,138,125.00	7,776,250.00
11/01/47	19,285	-	-	480,500.00	480,500.00	0.00
05/01/48	19,285	6,500	4.95	480,500.00	6,980,500.00	7,461,000.00
11/01/48	12,785	-	-	319,625.00	319,625.00	0.00
05/01/49	12,785	6,500	5.00	319,625.00	6,819,625.00	7,139,250.00
11/01/49	6,285	-	-	157,125.00	157,125.00	0.00
05/01/50	6,285	5,035	5.00	157,125.00	5,192,125.00	5,349,250.00
11/01/50	1,250	-	-	31,250.00	31,250.00	0.00
05/01/51	1,250	750	5.00	31,250.00	781,250.00	812,500.00
11/01/51	500	-	-	12,500.00	12,500.00	0.00
05/01/52	500	250	5.00	12,500.00	262,500.00	275,000.00
11/01/52	250	-	-	6,250.00	6,250.00	0.00
05/01/53	250	250	5.00	6,250.00	256,250.00	262,500.00
Totals		<u>\$52,115</u>		<u>\$37,929,728.99</u>	<u>\$90,044,728.99</u>	<u>\$90,044,728.99</u>

Optional redemption:
Callable on May 1, 2038

**AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN**

ESTIMATED BOND ISSUANCE COST DETAIL

	<u>2025</u>	<u>2026</u>	<u>2028</u>	<u>Total</u>
Underwriter's Discount	\$303,800	\$675,050	\$521,150	\$1,500,000
Bond Counsel	54,000	95,000	80,000	229,000
Municipal Advisor	45,316	71,304	60,531	177,150
Qualification	10,000	17,400	14,400	41,800
Treasury Fee	1,000	1,000	1,000	3,000
Bond Rating	33,000	36,000	35,000	104,000
Official Statement Printing	4,500	4,500	4,500	13,500
Paying Agent	500	500	500	1,500
MAC Fee	450	450	450	1,350
Notice of Sale	2,000	2,000	2,000	6,000
Election Cost	15,000	-	-	15,000
Contingency	1,034	4,371	519	5,923
Totals	<u>\$470,600</u>	<u>\$907,574</u>	<u>\$720,049</u>	<u>\$2,098,223</u>
Interest Income	<u>(\$573,263)</u>	<u>(\$1,276,450)</u>	<u>(\$985,070)</u>	<u>(\$2,834,783)</u>
Net	<u>(\$102,663)</u>	<u>(\$368,876)</u>	<u>(\$265,021)</u>	<u>(\$736,560)</u>

**AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN**

ESTIMATED INTEREST INCOME - 2025 BONDS

Bond issue amount	\$30,380,000.00		Interest	Interest
Less bond issuance costs	<u>(470,600.00)</u>	<u>Balance</u>	<u>Rate</u>	<u>Earnings</u>
Beginning cash balance	29,909,400.00	\$29,909,400.00		
03/01/25	(1,246,225.00)	28,663,175.00	2.00%	\$47,772
04/01/25	(1,246,225.00)	27,416,950.00	2.00%	45,695
05/01/25	(1,246,225.00)	26,170,725.00	2.00%	43,618
06/01/25	(1,246,225.00)	24,924,500.00	2.00%	41,541
07/01/25	(1,246,225.00)	23,678,275.00	2.00%	39,464
08/01/25	(1,246,225.00)	22,432,050.00	2.00%	37,387
09/01/25	(1,246,225.00)	21,185,825.00	2.00%	35,310
10/01/25	(1,246,225.00)	19,939,600.00	2.00%	33,233
11/01/25	(1,246,225.00)	18,693,375.00	2.00%	31,156
12/01/25	(1,246,225.00)	17,447,150.00	2.00%	29,079
01/01/26	(1,246,225.00)	16,200,925.00	2.00%	27,002
02/01/26	(1,246,225.00)	14,954,700.00	2.00%	24,925
03/01/26	(1,246,225.00)	13,708,475.00	2.00%	22,847
04/01/26	(1,246,225.00)	12,462,250.00	2.00%	20,770
05/01/26	(1,246,225.00)	11,216,025.00	2.00%	18,693
06/01/26	(1,246,225.00)	9,969,800.00	2.00%	16,616
07/01/26	(1,246,225.00)	8,723,575.00	2.00%	14,539
08/01/26	(1,246,225.00)	7,477,350.00	2.00%	12,462
09/01/26	(1,246,225.00)	6,231,125.00	2.00%	10,385
10/01/26	(1,246,225.00)	4,984,900.00	2.00%	8,308
11/01/26	(1,246,225.00)	3,738,675.00	2.00%	6,231
12/01/26	(1,246,225.00)	2,492,450.00	2.00%	4,154
01/01/27	(1,246,225.00)	1,246,225.00	2.00%	2,076
02/01/27	(1,246,225.00)	-	2.00%	-
Total interest earnings				<u><u>\$573,263.00</u></u>

**AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN**

ESTIMATED INTEREST INCOME - 2026 BONDS

Bond issue amount	\$67,505,000.00		Interest	Interest
Less bond issuance costs	(907,574.00)	Balance	Rate	Earnings
Beginning cash balance	66,597,426.00	\$66,597,426.00		
07/01/26	(2,774,893.00)	63,822,533.00	2.00%	\$106,371
08/01/26	(2,774,893.00)	61,047,640.00	2.00%	101,746
09/01/26	(2,774,893.00)	58,272,747.00	2.00%	97,121
10/01/26	(2,774,893.00)	55,497,854.00	2.00%	92,496
11/01/26	(2,774,893.00)	52,722,961.00	2.00%	87,872
12/01/26	(2,774,893.00)	49,948,068.00	2.00%	83,247
01/01/27	(2,774,893.00)	47,173,175.00	2.00%	78,622
02/01/27	(2,774,893.00)	44,398,282.00	2.00%	73,997
03/01/27	(2,774,893.00)	41,623,389.00	2.00%	69,372
04/01/27	(2,774,893.00)	38,848,496.00	2.00%	64,747
05/01/27	(2,774,893.00)	36,073,603.00	2.00%	60,123
06/01/27	(2,774,893.00)	33,298,710.00	2.00%	55,498
07/01/27	(2,774,893.00)	30,523,817.00	2.00%	50,873
08/01/27	(2,774,893.00)	27,748,924.00	2.00%	46,248
09/01/27	(2,774,893.00)	24,974,031.00	2.00%	41,623
10/01/27	(2,774,893.00)	22,199,138.00	2.00%	36,999
11/01/27	(2,774,893.00)	19,424,245.00	2.00%	32,374
12/01/27	(2,774,893.00)	16,649,352.00	2.00%	27,749
01/01/28	(2,774,893.00)	13,874,459.00	2.00%	23,124
02/01/28	(2,774,893.00)	11,099,566.00	2.00%	18,499
03/01/28	(2,774,893.00)	8,324,673.00	2.00%	13,874
04/01/28	(2,774,893.00)	5,549,780.00	2.00%	9,250
05/01/28	(2,774,893.00)	2,774,887.00	2.00%	4,625
06/01/28	(2,774,893.00)	-	2.00%	-
 Total interest earnings				 <u><u>\$1,276,450</u></u>

**AVONDALE SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN**

ESTIMATED INTEREST INCOME - 2028 BONDS

Bond issue amount	\$52,115,000.00		Interest	Interest
Less bond issuance costs	(720,049.00)	Balance	Rate	Earnings
Beginning cash balance	51,394,951.00	\$51,394,951.00		
07/01/28	(2,141,456.00)	49,253,495.00	2.00%	\$82,089
08/01/28	(2,141,456.00)	47,112,039.00	2.00%	78,520
09/01/28	(2,141,456.00)	44,970,583.00	2.00%	74,951
10/01/28	(2,141,456.00)	42,829,127.00	2.00%	71,382
11/01/28	(2,141,456.00)	40,687,671.00	2.00%	67,813
12/01/28	(2,141,456.00)	38,546,215.00	2.00%	64,244
01/01/29	(2,141,456.00)	36,404,759.00	2.00%	60,675
02/01/29	(2,141,456.00)	34,263,303.00	2.00%	57,106
03/01/29	(2,141,456.00)	32,121,847.00	2.00%	53,536
04/01/29	(2,141,456.00)	29,980,391.00	2.00%	49,967
05/01/29	(2,141,456.00)	27,838,935.00	2.00%	46,398
06/01/29	(2,141,456.00)	25,697,479.00	2.00%	42,829
07/01/29	(2,141,456.00)	23,556,023.00	2.00%	39,260
08/01/29	(2,141,456.00)	21,414,567.00	2.00%	35,691
09/01/29	(2,141,456.00)	19,273,111.00	2.00%	32,122
10/01/29	(2,141,456.00)	17,131,655.00	2.00%	28,553
11/01/29	(2,141,456.00)	14,990,199.00	2.00%	24,984
12/01/29	(2,141,456.00)	12,848,743.00	2.00%	21,415
01/01/30	(2,141,456.00)	10,707,287.00	2.00%	17,845
02/01/30	(2,141,456.00)	8,565,831.00	2.00%	14,276
03/01/30	(2,141,456.00)	6,424,375.00	2.00%	10,707
04/01/30	(2,141,456.00)	4,282,919.00	2.00%	7,138
05/01/30	(2,141,456.00)	2,141,463.00	2.00%	3,569
06/01/30	(2,141,456.00)	-	2.00%	-
 Total interest earnings				 <u><u>\$985,070</u></u>

Enrollment Projections

Avondale School District

63-070

Complete this form after acquiring an enrollment projection report from an approved enrollment projection provider. Official enrollment projections should be based on the most recent fall membership count.

Prepared By Dan Jerome, AIA

Source Michigan Alliance for Student Oppurtunity

Explanation of Method Selected

Model 5 (Average of Models 1 thru 4).

Subtotals by Grade:

Grade 1	Preceding 5-Year Enrollment 2	(Year) Current Enrollment 3	(Year) Projected 5-Year Enrollment 4	(Col 4 - Col 3) / Col 3 Pojected Enrollment Change (%) 5
K		264	275	4.17%
1		237	256	8.02%
2		262	274	4.58%
3		290	268	-7.59%
4		275	273	-0.73%
5		283	266	-6.01%
6		246	248	0.81%
7		267	258	-3.37%
8		271	284	4.80%
9		237	292	23.21%
10		266	273	2.63%
11		256	218	-14.84%
12		243	238	-2.06%
Total	3,399	3,397	3,423	0.77%

Non-general ed student count should not be included in the general ed student count listed above unless discussed with and determined by your enrollment service provider.

Project Sheet

Auburn Elementary				Project No. [n]	1
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Proposal #:	Series 1	Series 2	Series 3	Series 4	
<i>The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.</i>	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<i>For multiple proposals, include a separate project page for each.</i>
	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	
	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input checked="" type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	
	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	
	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	
	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	
	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input checked="" type="checkbox"/> Site work	<input type="checkbox"/> Site work	
	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	
	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input checked="" type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	n/a	Cost per Sq Ft	-
New Addition Square Ft.	n/a	Cost per Sq Ft	-

Does this proposed project address any existing environmental or usability problems? (check all that apply)

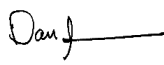
<input type="checkbox"/> None noted	<input checked="" type="checkbox"/> Asbestos abatement	<input checked="" type="checkbox"/> Energy efficiencies	<input type="checkbox"/> ADA requirements	
<input type="checkbox"/> Other - please list:	1.	2.	3.	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction					0
Remodeling			7,088,632		7,088,632
Construction Contingencies			1,476,474		1,476,474
Instructional Technology	278,106	124,668	86,309		489,082
Loose Furnishing/Equipment	1,113,740	352,020	128,770		1,594,529
Buses					0
Site Work			382,547		382,547
Site Acquisition			100,000		100,000
Architectural Fees and Costs			581,597		581,597
CM Fees and Costs			313,168		313,168
Estimated Costs	1,391,845	476,688	\$10,157,497	0	12,026,030

Certificate by Registered Architect

I certify that I have assessed the conditions relative to this facility and the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

	2/14/2024	French Associates, Inc. - 31750
Signature	Date	Firm Name and License Number
Dan Jerome, AIA	danj@frenchaia.com	(248) 656-1377
Printed Name	E-mail Address	Phone Number

Building Utilization

School Building Name

Auburn Elementary

Project No. [n] 1.00

Current Grade Structure K-5
Proposed Grade Structure K-5

1. List the number of teaching stations in appropriate column.
2. Calculate total capacity using the applicable capacity factor.
3. Enter five (5) year projected enrollment.
4. Calculate building utilization rate.
5. Attach floor plan of the building. Show the rooms and category (existing, proposed new, closed).
6. Number the teaching stations in consecutive order.

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	9	20	180
(3-5) Upper Elementary	9	25	225
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	18		405
Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	0		0
Total	18		405

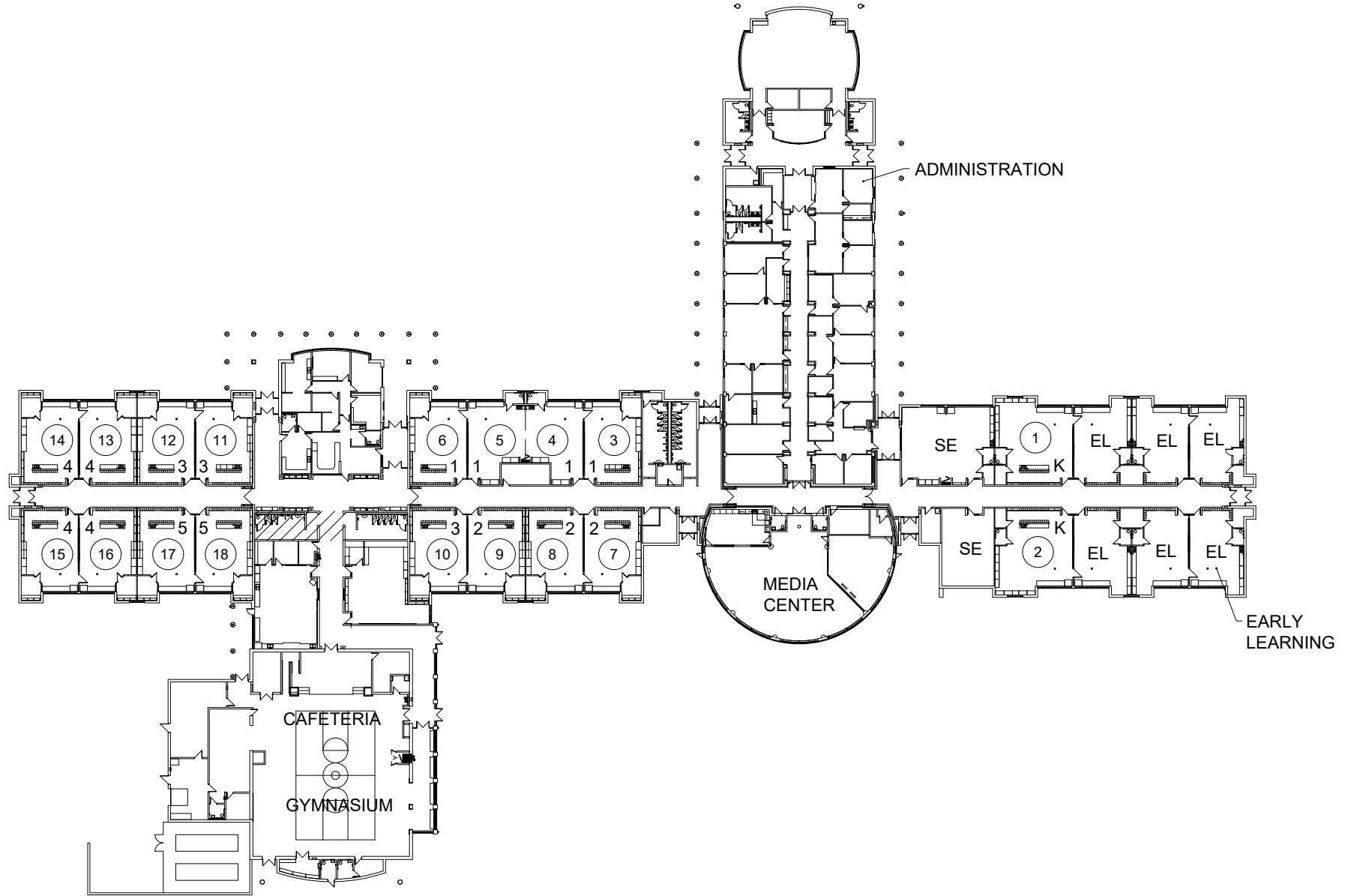
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 323

Utilization Percentage 80%

(Projected 5-Year Enrollment / Total Capacity)

Please transfer applicable information to the Utilization Summary on Page 6 of the application.



ADMINISTRATION

EARLY LEARNING

MEDIA CENTER

CAFETERIA

GYMNASIUM

LEGEND

- NEW CONSTRUCTION
- TO BE REMODELED
- EXISTING ADEQUATE

STUDENT CAPACITY

9 TS x 20 STUD. - 180 STUD.
 9 TS x 25 STUD. - 225 STUD.

TOTAL = 405 STUD.



architects planners interiors

FRENCH
 associates

AVONDALE SCHOOL DISTRICT

auburn elementary school
floor plan

november, 2023

AVONDALE SCHOOL DISTRICT
Auburn
FACILITY ASSESSMENT



84,055 sf Existing
0 sf New construction
84,055 sf Total

MAY 2024 Bond

DESCRIPTION	Quan.	Unit	Unit Cost	Trade Cost	SERIES 1	SERIES 2	SERIES 3
New Construction							
a							\$0
New Construction				\$0	\$0	\$0	\$0
Site Work							
Playground Equipment Upgrades	1	ls	\$300,000.00	\$300,000			\$300,000
Screen wall & equipment pad for chiller	1	ls	\$50,000.00	\$50,000			\$50,000
Site Work				\$350,000	\$0	\$0	\$350,000
Architectural							
Building Enclosure							
Wall modification for new Vertical Unit Ventilators	1	ls	\$110,000.00	\$110,000			\$110,000
Roof replacement	1	ls	\$48,000.00	\$48,000			\$48,000
a	0	sf	\$0.00	\$0			\$0
Interior							
Acoustical Ceiling replacement for new vertical unit ventilators	40,055	sf	\$10.00	\$400,550			\$400,550
Acoustical Ceiling replacement - Other building areas	44,000	sf	\$10.00	\$440,000			\$440,000
Flooring replacement for new vertical unit ventilators	1	ls	\$25,000.00	\$25,000			\$25,000
LVT Flooring at corridors	13,400	sf	\$13.50	\$180,900			\$180,900
Millwork Replacement at vertical unit ventilators	1	ls	\$380,000.00	\$380,000			\$380,000
Architectural				\$1,584,450	\$0	\$0	\$1,584,450
Mechanical Work							
HVAC - Chiller & Vertical Unit Ventilator Replacement	1	ls	\$2,500,000.00	\$2,500,000			\$2,500,000
Replace Board Room RTU HW/DX (10,000 CFM)	1	ea	\$220,000.00	\$220,000			\$220,000
Replace Board Office RTU HW/DX (10,000 CFM)	1	ea	\$220,000.00	\$220,000			\$220,000
Add perimeter Finned Tube to Admin Offices	1	sf	\$215,000.00	\$215,000			\$215,000
Replace Cafeteria RTU HW/DX (8,000 CFM)	1	ea	\$180,000.00	\$180,000			\$180,000
Replace Gym RTU HW/DX (8,000 CFM)	1	ea	\$180,000.00	\$180,000			\$180,000
Replace Office RTU HW/DX (2,000 CFM)	1	ea	\$55,000.00	\$55,000			\$55,000
Replace Central RTU HW/DX (5,000 CFM)	1	ea	\$115,000.00	\$115,000			\$115,000
Replace Kitchen Exhaust Hood and Fan(7,000 CFM)	1	ea	\$75,000.00	\$75,000			\$75,000
Replace Kitchen Makeup Air Unit (5,000 CFM)	1	ea	\$110,000.00	\$110,000			\$110,000
a	0	sf	\$0.00	\$0			\$0
Mechanical				\$3,870,000	\$0	\$0	\$3,870,000
Electrical							
Electrical infrastructure for IT	84,055	sf	\$2.00	\$168,110			\$168,110
Fire alarm replacement	84,055	sf	\$3.50	\$294,193			\$294,193
LED lighting & controls	78,255	sf	\$5.00	\$391,275			\$391,275
LED Lighting - Replace Gym Lighting	5,800	sf	\$12.50	\$72,500			\$72,500
Electrical - Vertical Unit Ventilator Replacement	1	ls	\$105,000.00	\$105,000			\$105,000
Electrical				\$1,031,078	\$0	\$0	\$1,031,078
Total Cost				\$6,835,528	\$0	\$0	\$6,835,528
General Conditions	8.00%			\$546,842	\$0	\$0	\$546,842
Subtotal				\$7,382,370	\$0	\$0	\$7,382,370
Estimating & Escalation Contingency	15.00%			\$1,107,355	\$0	\$0	\$1,107,355
Construction Contingency	5.00%			\$369,118	\$0	\$0	\$369,118
Total Direct Costs				\$8,858,844	\$0	\$0	\$8,858,844
Testing	0.50%			\$44,294	\$0	\$0	\$44,294
Utility Permits & Fees	0.00%			\$0	\$0	\$0	\$0
Subtotal				\$8,903,138	\$0	\$0	\$8,903,138
Permits	0.50%			\$44,516	\$0	\$0	\$44,516
Subtotal				\$8,947,654	\$0	\$0	\$8,947,654
A/E Fees & Costs	6.50%			\$581,597	\$0	\$0	\$581,597
CM Fees & Costs	3.50%			\$313,168	\$0	\$0	\$313,168
Subtotal				\$9,842,419	\$0	\$0	\$9,842,419

AVONDALE SCHOOL DISTRICT
Auburn
FACILITY ASSESSMENT

Instructional Technology - (Devices / Computers / Printers / Student Audio Visual Systems)	\$489,082.33	\$278,105.64	\$124,668.04	\$86,308.65
Non Instructional Technology - (Cameras / Phone System / Printers / Clocks / Card Access / Server)	\$1,494,528.93	\$1,113,739.83	\$352,019.55	\$28,769.55
Furnishings - (Classroom Furniture / Desks / Chairs & Tables)	\$100,000	\$0	\$0	\$100,000
Equipment	\$0	\$0	\$0	\$0
Buses	\$0	\$0	\$0	\$0
Site Acquisition	\$100,000	\$0	\$0	\$100,000
TOTAL COSTS	\$12,026,030	\$1,391,845	\$476,688	\$10,057,497

Project Sheet

Deerfield Elementary				Project No. [n]	2
Proposal #:	Series 1	Series 2	Series 3	Series 4	<i>For multiple proposals, include a separate project page for each.</i>
	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	
	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	
	<input checked="" type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	
	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	
	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	
	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	
	<input checked="" type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	
	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	
	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	

The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	n/a	Cost per Sq Ft	-
New Addition Square Ft.	n/a	Cost per Sq Ft	-

Does this proposed project address any existing environmental or usability problems? (check all that apply)

<input type="checkbox"/> None noted	<input checked="" type="checkbox"/> Asbestos abatement	<input checked="" type="checkbox"/> Energy efficiencies	<input type="checkbox"/> ADA requirements	
<input type="checkbox"/> Other - please list:	1.	2.	3.	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction					0
Remodeling	3,421,580				3,421,580
Construction Contingencies	1,147,376				1,147,376
Instructional Technology	271,260	121,599	84,184		477,043
Loose Furnishing/Equipment	616,608	96,567	28,061		741,236
Buses					0
Site Work	2,418,911				2,418,911
Site Acquisition					0
Architectural Fees and Costs	454,211				454,211
CM Fees and Costs	244,575				244,575
Estimated Costs	8,574,521	218,166	\$112,246	0	8,904,933

Certificate by Registered Architect

I certify that I have assessed the conditions relative to this facility and the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

Signature: Dan Jerome Date: 2/14/2024 Firm Name and License Number: French Associates, Inc. - 31750
 Printed Name: Dan Jerome, AIA E-mail Address: danj@frenchaia.com Phone Number: (248) 656-1377

Building Utilization

School Building Name

Deerfield Elementary

Project No. [n] 2.00

Current Grade Structure K-5
Proposed Grade Structure K-5

1. List the number of teaching stations in appropriate column.
2. Calculate total capacity using the applicable capacity factor.
3. Enter five (5) year projected enrollment.
4. Calculate building utilization rate.
5. Attach floor plan of the building. Show the rooms and category (existing, proposed new, closed).
6. Number the teaching stations in consecutive order.

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	9	20	180
(3-5) Upper Elementary	9	25	225
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	18		405
Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	0		0
Total	18		405

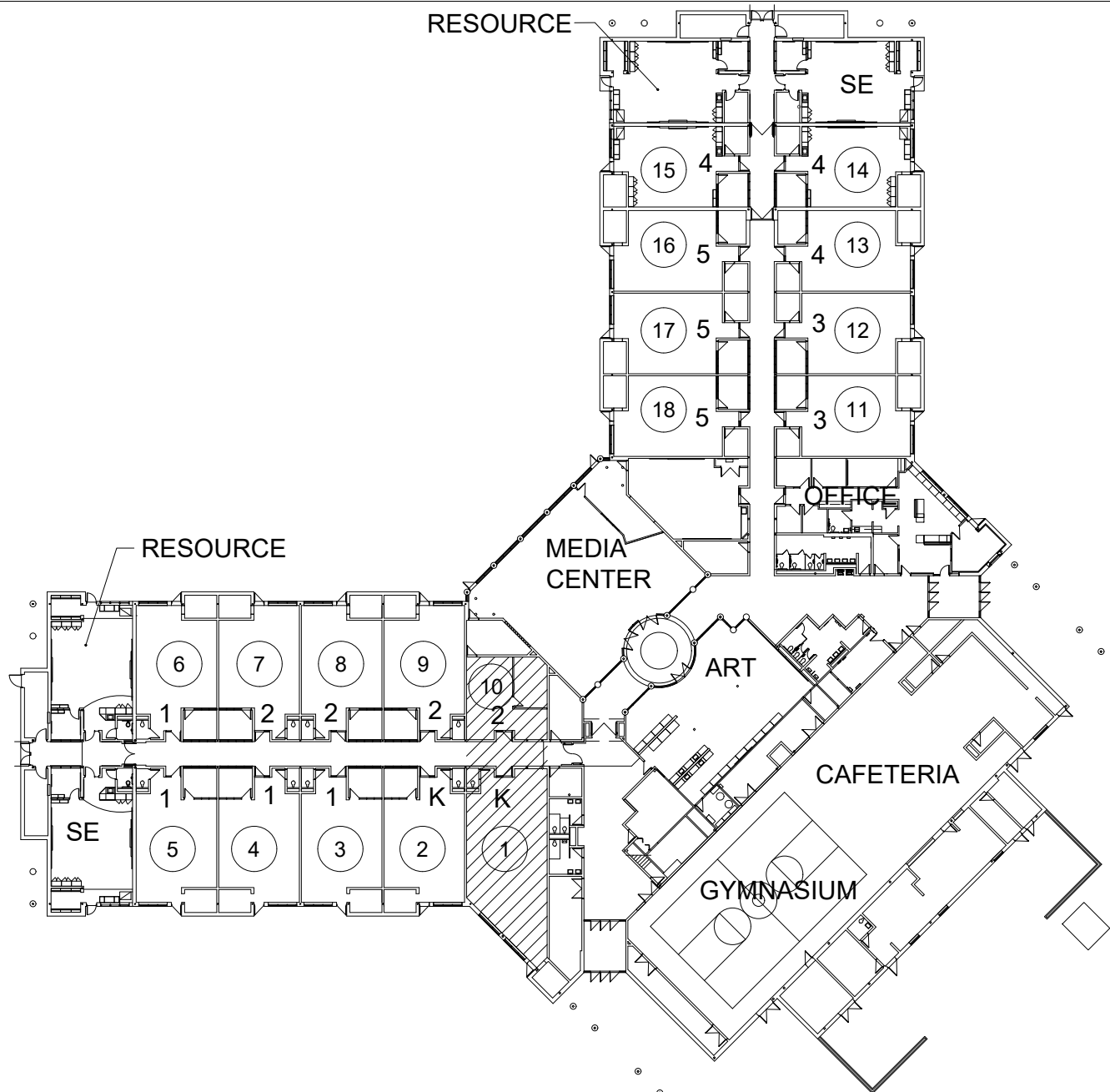
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 325

Utilization Percentage 80%

(Projected 5-Year Enrollment / Total Capacity)

Please transfer applicable information to the Utilization Summary on Page 6 of the application.



architects planners interiors

FRENCH
associates

AVONDALE SCHOOL DISTRICT
deerfield elementary school
floor plan
 november, 2023

STUDENT CAPACITY
 9 TS x 20 STUD. - 180 STUD.
 9 TS x 25 STUD. - 225 STUD.
 TOTAL = 405 STUD.

LEGEND

- NEW CONSTRUCTION
- TO BE REMODELED
- EXISTING ADEQUATE

AVONDALE SCHOOL DISTRICT
Deerfield
FACILITY ASSESSMENT



51,319 sf Existing
0 sf New construction
51,319 sf Total

MAY 2024 Bond

DESCRIPTION	Quan.	Unit	Unit Cost	Trade Cost	SERIES 1	SERIES 2	SERIES 3
New Construction							
a	0	sf	\$0.00	0	\$0		
				\$0	\$0	\$0	\$0
Site Work							
Screen wall & equipment pad for chiller	1	ls	\$50,000.00	\$50,000	\$50,000		
Playground Equipment Upgrades	1	ls	\$300,000.00	\$300,000	\$300,000		
Playground drainage improvements	1	ls	\$50,000.00	\$50,000	\$50,000		
Pavement replacement and traffic re-routing	1	ls	\$1,500,000.00	\$1,500,000	\$1,500,000		
Underground Storm Water Detention	1	ls	\$300,000.00	\$300,000	\$300,000		
				\$2,200,000	\$2,200,000	\$0	\$0
Architectural							
Building Enclosure							
Wall modification for new Vertical Unit Ventilators	1	ls	\$70,000.00	\$70,000	\$70,000		
Roof replacement	1	ls	\$36,000.00	\$36,000	\$36,000		
a	0	sf	\$0.00	\$0	\$0		
					\$0		
Interior							
Acoustical Ceiling replacement for new vertical unit ventilators	24,500	sf	\$10.00	\$245,000	\$245,000		
Acoustical Ceiling replacement - Other building areas	26,819	sf	\$10.00	\$268,190	\$268,190		
Flooring replacement for new vertical unit ventilators	1	ls	\$15,000.00	\$15,000	\$15,000		
LVT Flooring at corridors	6,600	sf	\$13.50	\$89,100	\$89,100		
Millwork Replacement at vertical unit ventilators	1	ls	\$230,000.00	\$230,000	\$230,000		
				\$953,290	\$953,290	\$0	\$0
Mechanical Work							
HVAC - Chiller & Vertical Unit Ventilator Replacement	1	ls	\$1,500,000.00	\$1,500,000	\$1,500,000		
Replace Front Office RTU (HW/DX) RTU-4 (4,000 cfm)	1	ea	\$96,000.00	\$96,000	\$96,000		
Replace Media Workroom RTU (HW/DX) RTU-1 (2,000 CFM)	1	ea	\$55,000.00	\$55,000	\$55,000		
Replace Kitchen Exhaust Hood and Fan(7,000 CFM)	1	ea	\$75,000.00	\$75,000	\$75,000		
Replace Kitchen Makeup Air Unit (5,000 CFM)	1	ea	\$110,000.00	\$110,000	\$110,000		
Replace reheat coils with VAV boxes and update temperature	10	ea	\$10,000.00	\$100,000	\$100,000		
a	0	sf	\$0.00	\$0	\$0		
a	0	sf	\$0.00	\$0	\$0		
a	0	sf	\$0.00	\$0	\$0		
				\$1,936,000	\$1,936,000	\$0	\$0
Electrical							
Electrical infrastructure for IT	51,319	sf	\$2.00	\$102,638	\$102,638		
Electrical - Vertical Unit Ventilator Replacement	1	ls	\$70,000.00	\$70,000	\$70,000		
Electrical rework at ceiling modification	25,000	sf	\$2.00	\$50,000	\$50,000		
				\$222,638	\$222,638	\$0	\$0
Total Cost				\$5,311,928	\$5,311,928	\$0	\$0
General Conditions	8.00%			\$424,954	\$424,954	\$0	\$0
Subtotal				\$5,736,882	\$5,736,882	\$0	\$0
Estimating & Escalation Contingency	15.00%			\$860,532	\$860,532	\$0	\$0
Construction Contingency	5.00%			\$286,844	\$286,844	\$0	\$0
Total Direct Costs				\$6,884,259	\$6,884,259	\$0	\$0
Testing	0.50%			\$34,421	\$34,421	\$0	\$0
Utility Permits & Fees	0.50%			\$34,421	\$34,421	\$0	\$0
Subtotal				\$6,953,101	\$6,953,101	\$0	\$0
Permits	0.50%			\$34,766	\$34,766	\$0	\$0
Subtotal				\$6,987,867	\$6,987,867	\$0	\$0

**AVONDALE SCHOOL DISTRICT
Deerfield
FACILITY ASSESSMENT**

A/E Fees & Costs	6.50%	\$454,211	\$454,211	\$0	\$0
CM Fees & Costs	3.50%	\$244,575	\$244,575	\$0	\$0
Subtotal		\$7,686,653	\$7,686,653	\$0	\$0
Instructional Technology - (Devices / Computers / Printers / Student Audio Visual Systems)		\$477,043.38	\$271,259.96	\$121,599.29	\$84,184.13
Non Instructional Technology - (Cameras / Phone System / Printers / Clocks / Card Access)		\$591,235.99	\$466,607.57	\$96,567.05	\$28,061.38
Furnishings - (Classroom Furniture / Desks / Chairs & Tables)		\$150,000	\$150,000	\$0	\$0
Equipment		\$0	\$0	\$0	\$0
Buses		\$0	\$0	\$0	\$0
TOTAL COSTS		\$8,904,933	\$8,574,521	\$218,166	\$112,246

Project Sheet

Graham Elementary				Project No. [n]	3
Proposal #:	Series 1	Series 2	Series 3	Series 4	<i>For multiple proposals, include a separate project page for each.</i>
	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	
	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input checked="" type="checkbox"/> New addition	<input type="checkbox"/> New addition	
	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input checked="" type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	
<i>The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.</i>	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	
	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	
	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	
	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input checked="" type="checkbox"/> Site work	<input type="checkbox"/> Site work	
	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	
	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	n/a	Cost per Sq Ft	-
New Addition Square Ft.	12000	Cost per Sq Ft	\$ 383

Does this proposed project address any existing environmental or usability problems? (check all that apply)

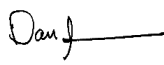
<input type="checkbox"/> None noted	<input checked="" type="checkbox"/> Asbestos abatement	<input checked="" type="checkbox"/> Energy efficiencies	<input type="checkbox"/> ADA requirements	
<input type="checkbox"/> Other - please list:	1.	2.	3.	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction			4,590,568		4,590,568
Remodeling			4,843,022		4,843,022
Construction Contingencies			1,974,991		1,974,991
Instructional Technology	372,234	166,863	115,521		654,618
Loose Furnishing/Equipment	484,229	139,657	188,507		812,393
Buses					0
Site Work			560,159		560,159
Site Acquisition					0
Architectural Fees and Costs			777,968		777,968
CM Fees and Costs			418,906		418,906
Estimated Costs	856,462	306,521	\$13,469,641	0	14,632,624

Certificate by Registered Architect

I certify that I have assessed the conditions relative to this facility and the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

	2/14/2024	French Associates, Inc. - 31750
Signature	Date	Firm Name and License Number
Dan Jerome, AIA	danj@frenchaia.com	(248) 656-1377
Printed Name	E-mail Address	Phone Number

Building Utilization

School Building Name

Graham Elementary

Project No. [n] 3.00

Current Grade Structure K-5
Proposed Grade Structure K-5

1. List the number of teaching stations in appropriate column.
2. Calculate total capacity using the applicable capacity factor.
3. Enter five (5) year projected enrollment.
4. Calculate building utilization rate.
5. Attach floor plan of the building. Show the rooms and category (existing, proposed new, closed).
6. Number the teaching stations in consecutive order.

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	9	20	180
(3-5) Upper Elementary	8	25	200
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	17		380
Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	2	20	40
(3-5) Upper Elementary	2	25	50
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	4		90
Total	21		470

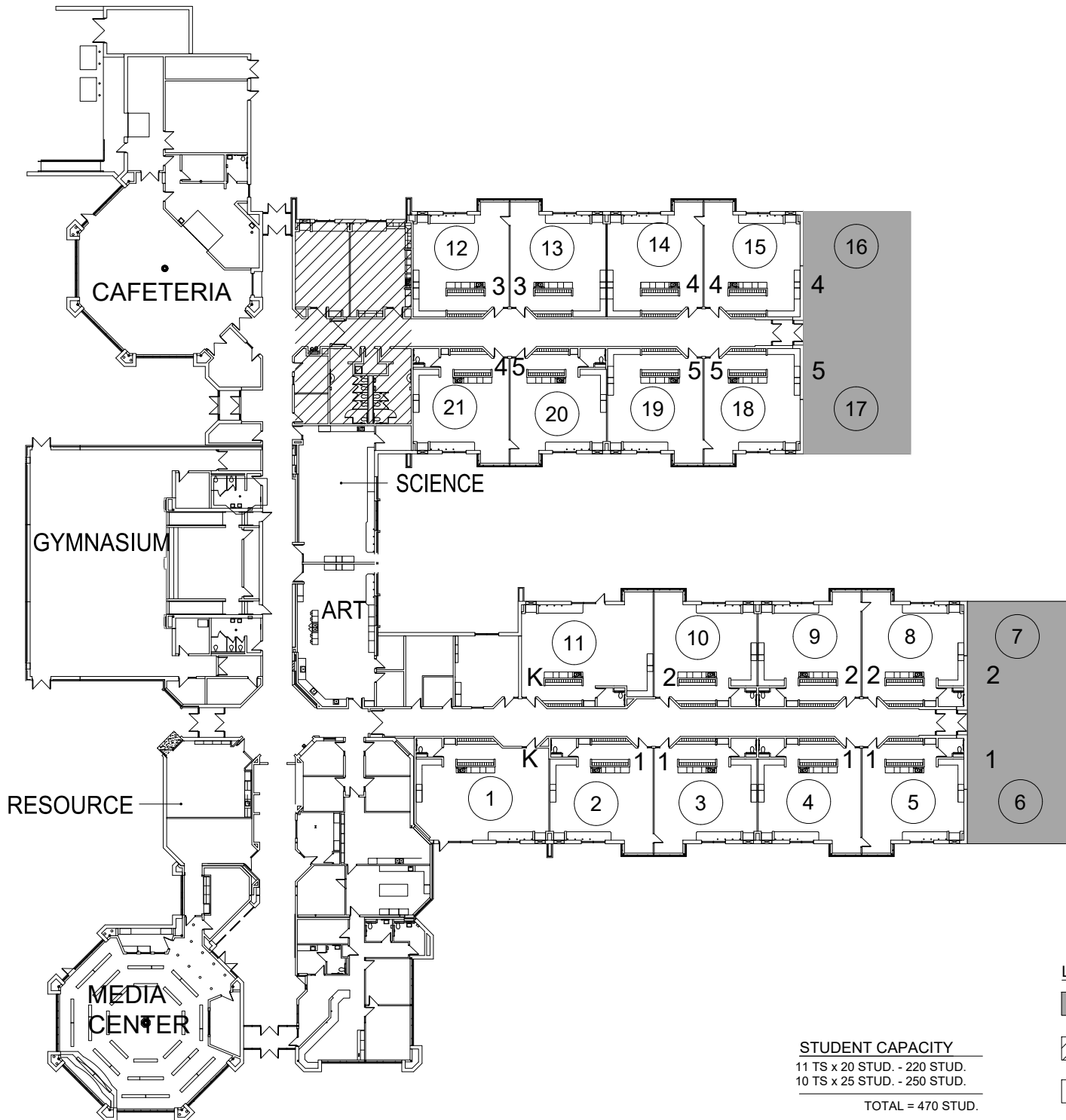
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 400

Utilization Percentage 85%

(Projected 5-Year Enrollment / Total Capacity)

Please transfer applicable information to the Utilization Summary on Page 6 of the application.



architects planners interiors

FRENCH
associates

AVONDALE SCHOOL DISTRICT
graham elementary school
floor plan
november, 2023

LEGEND

- NEW CONSTRUCTION
- TO BE REMODELED
- EXISTING ADEQUATE

STUDENT CAPACITY

11 TS x 20 STUD. - 220 STUD.
10 TS x 25 STUD. - 250 STUD.

TOTAL = 470 STUD.

AVONDALE SCHOOL DISTRICT
Graham
FACILITY ASSESSMENT



MAY 2024 Bond

58,800	sf	Existing
0	sf	New construction
58,800	sf	Total

DESCRIPTION	Quan.	Unit	Unit Cost	Trade Cost	SERIES 1	SERIES 2	SERIES 3
New Construction							
Classroom wing additions	12,000	sf	\$350.00	\$4,200,000			\$4,200,000
				\$4,200,000	\$0	\$0	\$4,200,000
Site Work							
Fencing upgrades	2,500	lf	\$65.00	\$162,500			\$162,500
Playground Equipment Upgrades	1	ls	\$300,000.00	\$300,000			\$300,000
Screen wall & equipment pad for chiller	1	ls	\$50,000.00	\$50,000			\$50,000
a	0	ls	\$0.00	\$0			\$0
				\$512,500	\$0	\$0	\$512,500
Architectural							
Building Enclosure							
Wall modification for new Vertical Unit Ventilators	1	ls	\$80,000.00	\$80,000			\$80,000
Roof replacement	1	ls	\$36,000.00	\$36,000			\$36,000
	0	sf	\$50.00	\$0			\$0
	0	sf	\$0.00	\$0			\$0
Interior							
Vestibule renovations	225	sf	\$225.00	\$50,625			\$50,625
Acoustical Ceiling replacement for new vertical unit ventilators	28,000	sf	\$10.00	\$280,000			\$280,000
Acoustical Ceiling replacement - Other building areas	30,800	sf	\$10.00	\$308,000			\$308,000
Millwork Replacement at vertical unit ventilators	1	ls	\$270,000.00	\$270,000			\$270,000
Flooring replacement for new vertical unit ventilators	1	ls	\$20,000.00	\$20,000			\$20,000
LVT flooring at corridors	7,700	sf	\$13.50	\$103,950			\$103,950
				\$1,148,575	\$0	\$0	\$1,148,575
Mechanical Work							
HVAC - Chiller & Vertical Unit Ventilator Replacement	1	ls	\$1,750,000.00	\$1,750,000			\$1,750,000
Replace AHU/RTU-2 HW/DX (4,200 CFM)	1	ea	\$100,000.00	\$100,000			\$100,000
Replace AHU/RTU-4 HW/DX (7,750 CFM)	1	ea	\$170,000.00	\$170,000			\$170,000
Replace RTU-5 HW/DX (7,000 CFM)	1	ea	\$160,000.00	\$160,000			\$160,000
Replace reheat coils with VAV boxes and update temperature	20	ea	\$10,000.00	\$200,000			\$200,000
Replace Kitchen Exhaust Hood and Fan(7,000 CFM)	1	ea	\$65,000.00	\$65,000			\$65,000
Replace Kitchen Makeup Air Unit (5,000 CFM)	1	ea	\$110,000.00	\$110,000			\$110,000
a	0	sf	\$0.00	\$0			\$0
				\$2,555,000	\$0	\$0	\$2,555,000
Electrical							
Electrical infrastructure for IT	58,800	sf	\$2.00	\$117,600			\$117,600
Fire alarm replacement	58,800	sf	\$3.50	\$205,800			\$205,800
LED lighting & controls	58,800	sf	\$5.00	\$294,000			\$294,000
Electrical - Vertical Unit Ventilator Replacement	1	ls	\$75,000.00	\$75,000			\$75,000
Replace Generator & Switch (35 kW)	1	ea	\$35,000.00	\$35,000			\$35,000
				\$727,400	\$0	\$0	\$727,400
Total Cost				\$9,143,475	\$0	\$0	\$9,143,475
General Conditions	8.00%			\$731,478	\$0	\$0	\$731,478
Subtotal				\$9,874,953	\$0	\$0	\$9,874,953
Estimating & Escalation Contingency	15.00%			\$1,481,243	\$0	\$0	\$1,481,243
Construction Contingency	5.00%			\$493,748	\$0	\$0	\$493,748
Total Direct Costs				\$11,849,944	\$0	\$0	\$11,849,944
Testing	0.50%			\$59,250	\$0	\$0	\$59,250
Utility Permits & Fees	0.00%			\$0	\$0	\$0	\$0
Subtotal				\$11,909,193	\$0	\$0	\$11,909,193
Permits	0.50%			\$59,546	\$0	\$0	\$59,546

**AVONDALE SCHOOL DISTRICT
Graham
FACILITY ASSESSMENT**

Subtotal		\$11,968,739	\$0	\$0	\$11,968,739
A/E Fees & Costs	6.50%	\$777,968	\$0	\$0	\$777,968
CM Fees & Costs	3.50%	\$418,906	\$0	\$0	\$418,906
Subtotal		\$13,165,613	\$0	\$0	\$13,165,613
Instructional Technology - (Devices / Computers / Printers / Student Audio Visual Systems)		\$654,617.88	\$372,233.70	\$166,863.38	\$115,520.80
Non Instructional Technology - (Cameras / Phone System / Printers / Clocks / Card Access)		\$662,393.00	\$484,228.72	\$139,657.35	\$38,506.93
Furnishings - (Classroom Furniture / Desks / Chairs & Tables)		\$150,000	\$0	\$0	\$150,000
Equipment		\$0	\$0	\$0	\$0
Buses		\$0	\$0	\$0	\$0
TOTAL COSTS		\$14,632,624	\$856,462	\$306,521	\$13,469,641

Project Sheet

Woodland Elementary				Project No. [n]	4
Proposal #:	Series 1	Series 2	Series 3	Series 4	<i>For multiple proposals, include a separate project page for each.</i>
	<input checked="" type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	
	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	
	<input checked="" type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	
	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	
	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	
	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	
	<input checked="" type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	
	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	
	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	

The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	500	Cost per Sq Ft	\$ 219
New Addition Square Ft.	n/a	Cost per Sq Ft	-

Does this proposed project address any existing environmental or usability problems? (check all that apply)

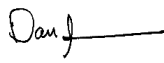
<input type="checkbox"/> None noted	<input checked="" type="checkbox"/> Asbestos abatement	<input checked="" type="checkbox"/> Energy efficiencies	<input type="checkbox"/> ADA requirements	
<input type="checkbox"/> Other - please list:	1.	2.	3.	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction	109,299				109,299
Remodeling	5,095,946				5,095,946
Construction Contingencies	1,104,274				1,104,274
Instructional Technology	286,663	128,504	88,964		504,131
Loose Furnishing/Equipment	787,680	113,036	29,655		930,371
Buses					0
Site Work	382,547				382,547
Site Acquisition					0
Architectural Fees and Costs	434,984				434,984
CM Fees and Costs	234,222				234,222
Estimated Costs	8,435,617	241,540	\$118,619	0	8,795,776

Certificate by Registered Architect

I certify that I have assessed the conditions relative to this facility and the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

	2/14/2024	French Associates, Inc. - 31750
Signature	Date	Firm Name and License Number
Dan Jerome, AIA	danj@frenchiaia.com	(248) 656-1377
Printed Name	E-mail Address	Phone Number

Building Utilization

School Building Name

Woodland Elementary

Project No. [n] 4.00

Current Grade Structure K-5
 Proposed Grade Structure K-5

1. List the number of teaching stations in appropriate column.
2. Calculate total capacity using the applicable capacity factor.
3. Enter five (5) year projected enrollment.
4. Calculate building utilization rate.
5. Attach floor plan of the building. Show the rooms and category (existing, proposed new, closed).
6. Number the teaching stations in consecutive order.

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	9	20	180
(3-5) Upper Elementary	9	25	225
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	18		405

Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	0		0
Total	18		405

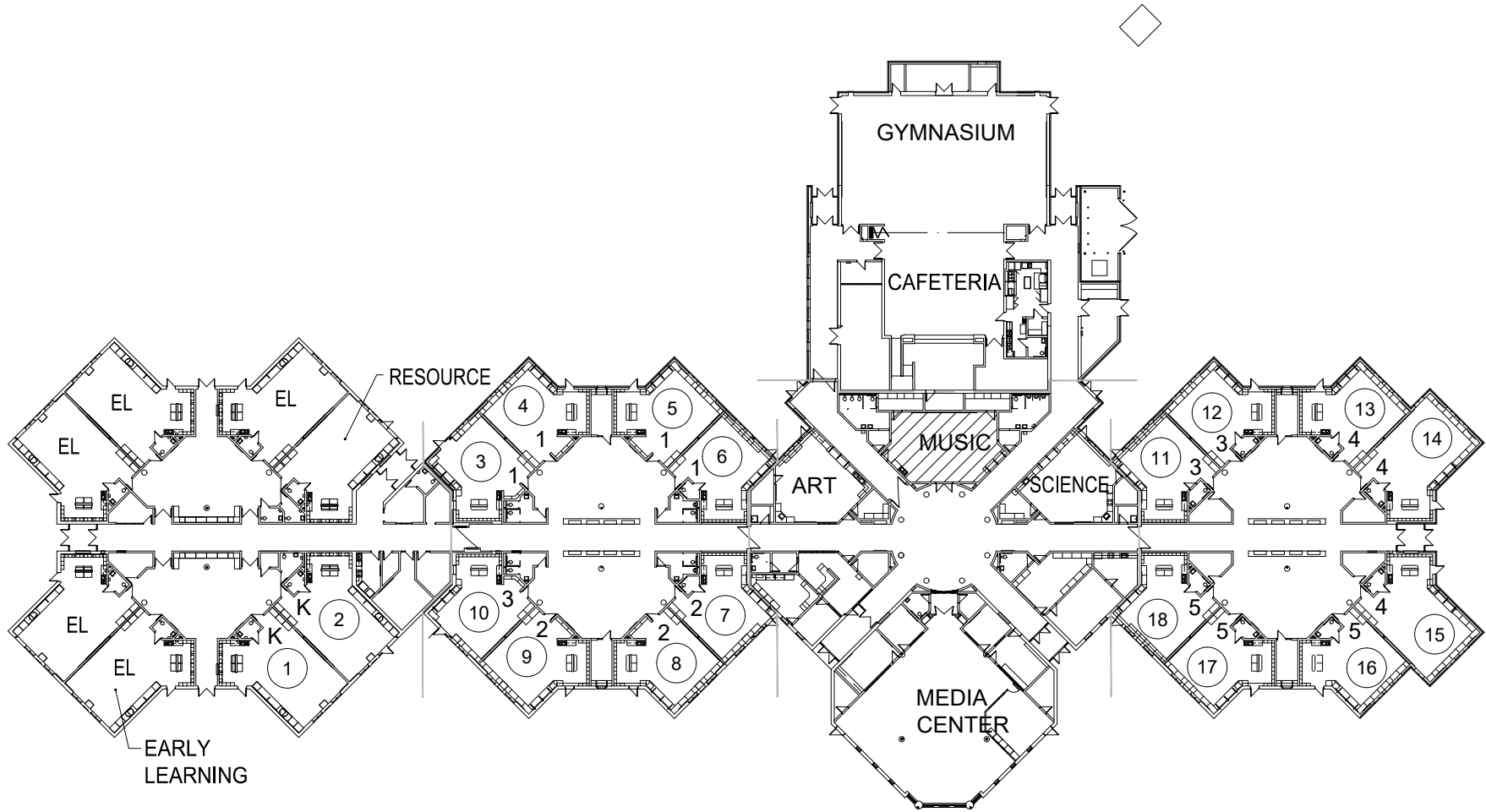
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 325

Utilization Percentage 80%

(Projected 5-Year Enrollment / Total Capacity)

Please transfer applicable information to the Utilization Summary on Page 6 of the application.



architects planners interiors

FRENCH
associates

AVONDALE SCHOOL DISTRICT


woodland elementary school

floor plan

november, 2023

LEGEND

 NEW CONSTRUCTION

 TO BE REMODELED

 EXISTING ADEQUATE

STUDENT CAPACITY

9 TS x 20 STUD. - 180 STUD.

9 TS x 25 STUD. - 225 STUD.

TOTAL = 405 STUD.

AVONDALE SCHOOL DISTRICT
Woodland
FACILITY ASSESSMENT



MAY 2024 Bond

70,843 sf Existing
0 sf New construction
70,843 sf Total

DESCRIPTION	Quan.	Unit	Unit Cost	Trade Cost	SERIES 1	SERIES 2	SERIES 3
New Construction							
Outdoor storage	500	sf	\$200.00	\$100,000	\$100,000		
				\$100,000	\$100,000	\$0	\$0
Site Work							
Playground Equipment Upgrades	1	ls	\$300,000.00	\$300,000	\$300,000		
Screen wall & equipment pad for chiller	1	ls	\$50,000.00	\$50,000	\$50,000		
a	0	ls	\$0.00	\$0	\$0		
				\$350,000	\$350,000	\$0	\$0
Architectural							
Building Enclosure							
Wall modification for new Vertical Unit Ventilators	1	ls	\$95,000.00	\$95,000	\$95,000		
Roof replacement	1	ls	\$42,000.00	\$42,000	\$42,000		
a	0	sf	\$0.00	\$0	\$0		
Interior							
Acoustical ceiling replacement at vertical unit ventilators duct work &	33,750	ls	\$10.00	\$337,500	\$337,500		
Acoustical ceiling replacement - Other areas of the building	37,093	sf	\$10.00	\$370,930	\$370,930		
Kitchen upgrades	1	ls	\$50,000.00	\$50,000	\$50,000		
Millwork Replacement at vertical unit ventilators	1	ls	\$320,000.00	\$320,000	\$320,000		
Flooring replacement for new vertical unit ventilators	1	ls	\$21,000.00	\$21,000	\$21,000		
a	0	sf	\$0.00	\$0	\$0		
				\$1,236,430	\$1,236,430	\$0	\$0
Mechanical Work							
HVAC - Chiller & Vertical Unit Ventilator Replacement	1	ls	\$2,100,000.00	\$2,100,000	\$2,100,000		
Replace RTU-2 HW/DX (1,300 CFM)	1	ea	\$45,000.00	\$45,000	\$45,000		
Replace RTU-3 HW/DX (6,080 CFM)	1	ea	\$140,000.00	\$140,000	\$140,000		
Replace RTU-5 HW/DX (5,880 CFM)	1	ea	\$135,000.00	\$135,000	\$135,000		
Replace RTU-6 HW/DX (6,400 CFM)	1	ea	\$145,000.00	\$145,000	\$145,000		
Replace reheat coils with VAV boxes and update temperature controls	25	ea	\$10,000.00	\$250,000	\$250,000		
Replace Kitchen Exhaust Hood and Fan(7,000 CFM)	1	ea	\$70,000.00	\$70,000	\$70,000		
Replace Kitchen Makeup Air Unit (5,000 CFM)	1	ea	\$110,000.00	\$110,000	\$110,000		
a	0	sf	\$0.00	\$0	\$0		
				\$2,995,000	\$2,995,000	\$0	\$0
Electrical							
Fire alarm	70,843	sf	\$3.50	\$247,951	\$247,951		
Electrical rework at ceiling modification	34,000	sf	\$2.00	\$68,000	\$68,000		
Electrical - Vertical Unit Ventilator Replacement	1	ls	\$90,000.00	\$90,000	\$90,000		
Add Generator / Switch / Panel for IT Equipment/MDF 5KW	1	ea	\$25,000.00	\$25,000	\$25,000		
				\$430,951	\$430,951	\$0	\$0
Total Cost				\$5,112,381	\$5,112,381	\$0	\$0
General Conditions	8.00%			\$408,990	\$408,990	\$0	\$0
Subtotal				\$5,521,371	\$5,521,371	\$0	\$0
Estimating & Escalation Contingency	15.00%			\$828,206	\$828,206	\$0	\$0
Construction Contingency	5.00%			\$276,069	\$276,069	\$0	\$0
Total Direct Costs				\$6,625,645	\$6,625,645	\$0	\$0
Testing	0.50%			\$33,128	\$33,128	\$0	\$0
Utility Permits & Fees	0.00%			\$0	\$0	\$0	\$0
Subtotal				\$6,658,773	\$6,658,773	\$0	\$0

**AVONDALE SCHOOL DISTRICT
Woodland
FACILITY ASSESSMENT**

Permits	0.50%	\$33,294	\$33,294	\$0	\$0
Subtotal		\$6,692,067	\$6,692,067	\$0	\$0
A/E Fees & Costs	6.50%	\$434,984	\$434,984	\$0	\$0
CM Fees & Costs	3.50%	\$234,222	\$234,222	\$0	\$0
Subtotal		\$7,361,274	\$7,361,274	\$0	\$0
Instructional Technology - (Devices / Computers / Printers / Student Audio Visual Systems)		\$504,131.01	\$286,662.73	\$128,503.98	\$88,964.30
Non Instructional Technology - (Cameras / Phone System / Printers / Clocks / Card Access)		\$705,370.99	\$562,679.98	\$113,036.25	\$29,654.77
Furnishings - (Classroom Furniture / Desks / Chairs & Tables)		\$150,000	\$150,000	\$0	\$0
Equipment		\$75,000	\$75,000	\$0	\$0
Buses		\$0	\$0	\$0	\$0
TOTAL COSTS		\$8,795,776	\$8,435,617	\$241,540	\$118,619

Project Sheet

Avondale Gifted and Talented Education				Project No. [n]	5
Proposal #:	Series 1	Series 2	Series 3	Series 4	<i>For multiple proposals, include a separate project page for each.</i>
	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	
	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	
	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input checked="" type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	
	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	
	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	
	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	
	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input checked="" type="checkbox"/> Site work	<input type="checkbox"/> Site work	
	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	
	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	

The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	n/a	Cost per Sq Ft	-
New Addition Square Ft.	n/a	Cost per Sq Ft	-

Does this proposed project address any existing environmental or usability problems? (check all that apply)

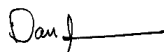
<input type="checkbox"/> None noted	<input checked="" type="checkbox"/> Asbestos abatement	<input checked="" type="checkbox"/> Energy efficiencies	<input type="checkbox"/> ADA requirements	
<input type="checkbox"/> Other - please list:	1.	2.	3.	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction					0
Remodeling			11,261,472		11,261,472
Construction Contingencies			2,301,121		2,301,121
Instructional Technology	288,374	129,271	89,495		507,141
Loose Furnishing/Equipment	777,119	171,665	179,832		1,128,616
Buses					0
Site Work			382,547		382,547
Site Acquisition					0
Architectural Fees and Costs			906,434		906,434
CM Fees and Costs			488,080		488,080
Estimated Costs	1,065,493	300,936	\$15,608,982	0	16,975,411

Certificate by Registered Architect

I certify that I have assessed the conditions relative to this facility and the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

 Signature	2/14/2024 Date	French Associates, Inc. - 31750 Firm Name and License Number
Dan Jerome, AIA Printed Name	danj@frenchaia.com E-mail Address	(248) 656-1377 Phone Number

Building Utilization

School Building Name

Avondale Gifted and Talented Education

Project No. [n] 5.00

Current Grade Structure 2-8
 Proposed Grade Structure 2-8

1. List the number of teaching stations in appropriate column.
2. Calculate total capacity using the applicable capacity factor.
3. Enter five (5) year projected enrollment.
4. Calculate building utilization rate.
5. Attach floor plan of the building. Show the rooms and category (existing, proposed new, closed).
6. Number the teaching stations in consecutive order.

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	3	20	60
(3-5) Upper Elementary	8	25	200
(6-8) Junior High	9.00	22.5	203
(9-12) High School		21.25	0
Subtotal	20		463
Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	0		0
Total	20		462.5

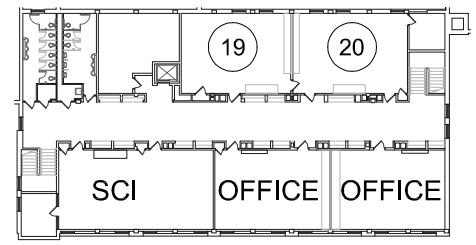
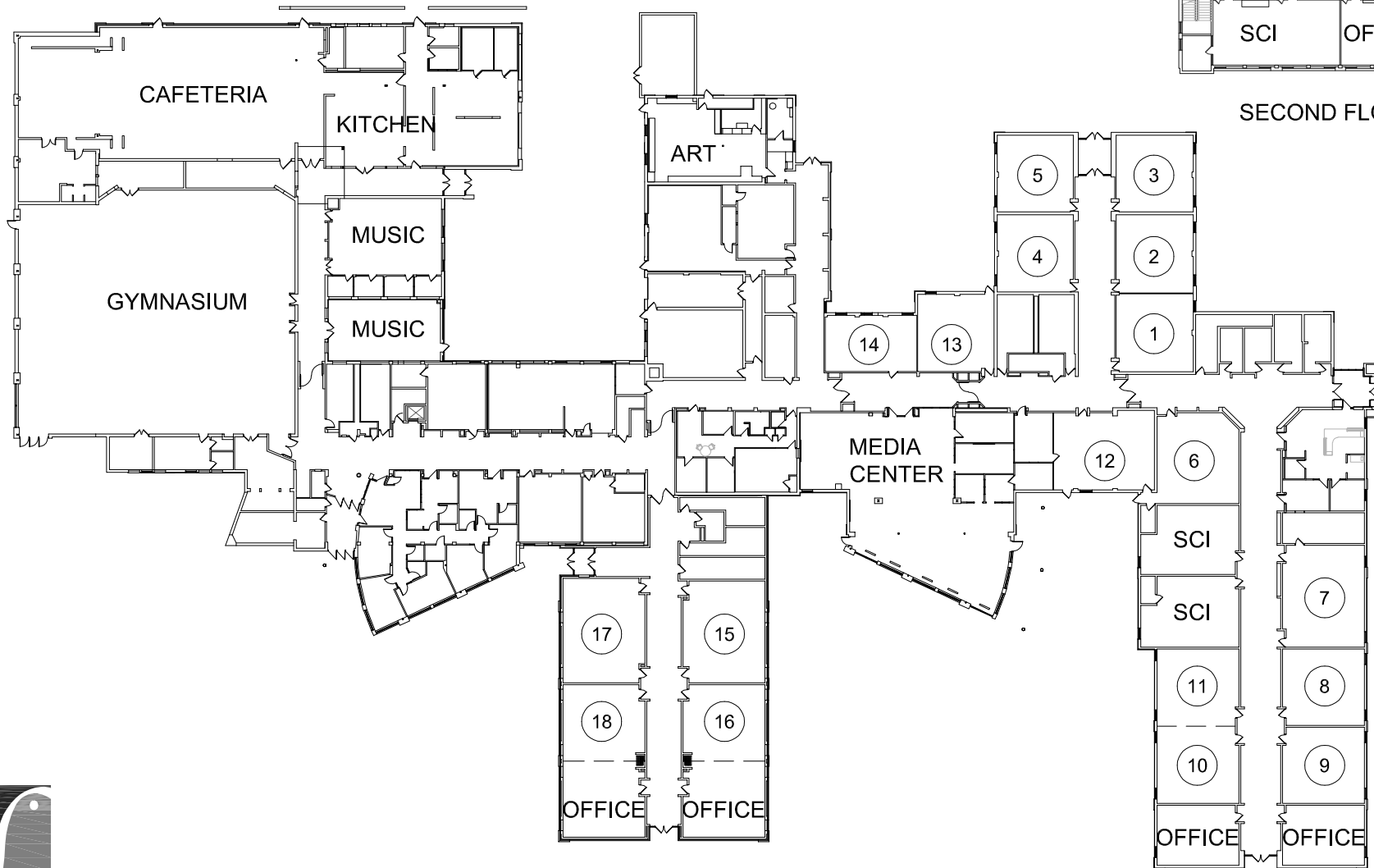
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 400

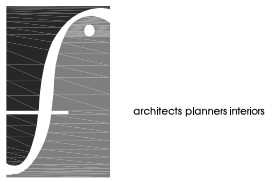
Utilization Percentage 86%

(Projected 5-Year Enrollment / Total Capacity)

Please transfer applicable information to the Utilization Summary on Page 6 of the application.



SECOND FLOOR PLAN



FRENCH
associates

AVONDALE SCHOOL DISTRICT
GATE
floor plan
november, 2023

- LEGEND**
- NEW CONSTRUCTION
 - TO BE REMODELED
 - EXISTING ADEQUATE

**AVONDALE SCHOOL DISTRICT
GATE
FACILITY ASSESSMENT**



MAY 2024 Bond

85,234	sf	Existing
0	sf	New construction
85,234	sf	Total

DESCRIPTION	Quan.	Unit	Unit Cost	Trade Cost	SERIES 1	SERIES 2	SERIES 3
New Construction							
a	0	sf	\$0.00	0			\$0
New Construction				\$0	\$0	\$0	\$0
Site Work							
Playground Equipment Upgrades	1	ls	\$300,000.00	\$300,000			\$300,000
Screen wall & equipment pad for chiller	1	ls	\$50,000.00	\$50,000			\$50,000
Site Work				\$350,000	\$0	\$0	\$350,000
Architectural							
Building Enclosure							
Exterior wall EIFS replacement w/ metal panel	23,000	sf	\$95.00	\$2,185,000			\$2,185,000
Window replacement	1,200	sf	\$100.00	\$120,000			\$120,000
Wall modification for new Vertical Unit Ventilators	1	ls	\$115,000.00	\$115,000			\$115,000
Roof replacement	1	ls	\$600,000.00	\$600,000			\$600,000
Interior							
Locker replacement	300	ea	\$250.00	\$75,000			\$75,000
Restroom renovations - flooring, ceilings, fixtures, and ventilation	10	ea	\$200,000.00	\$2,000,000			\$2,000,000
Window treatments	1,200	sf	\$20.00	\$24,000			\$24,000
Acoustical Ceiling replacement for new vertical unit ventilators	40,600	sf	\$10.00	\$406,000			\$406,000
Acoustical Ceiling replacement - Other building areas	44,634	sf	\$10.00	\$446,340			\$446,340
Flooring replacement for new vertical unit ventilators	1	ls	\$25,000.00	\$25,000			\$25,000
Millwork Replacement at vertical unit ventilators	1	ls	\$380,000.00	\$380,000			\$380,000
a	0	sf	\$0.00	\$0			\$0
Architectural				\$6,376,340	\$0	\$0	\$6,376,340
Mechanical Work							
HVAC - Chiller & Vertical Unit Ventilator Replacement	1	ls	\$2,500,000.00	\$2,500,000			\$2,500,000
Replace Band Room RTU-7 HW/DX (3,600 CFM)	1	ea	\$90,000.00	\$90,000			\$90,000
Replace Gym RTU Units RTU-5A & 5B HW/DX (7,800 CFM)	2	ea	\$175,000.00	\$350,000			\$350,000
Replace Multi-Purpose/Cafeteria RTU HVAC-1 (10,000 CFM)	1	ea	\$220,000.00	\$220,000			\$220,000
Replace Computer Lab AHU/RTU-4 (2,450 CFM)	1	ea	\$65,000.00	\$65,000			\$65,000
Replace Front Office AHU-2 (3,600 CFM)	1	ea	\$95,000.00	\$95,000			\$95,000
Replace reheat coils with VAV boxes and update temperature	10	ea	\$10,000.00	\$100,000			\$100,000
Replace Office Blower Coils	2	ea	\$15,000.00	\$30,000			\$30,000
Replace Storage/Stage RTU-6 (3,600 CFM)	1	ea	\$85,000.00	\$85,000			\$85,000
Replace Kitchen Exhaust Hood and Fan(7,000 CFM)	1	ea	\$70,000.00	\$70,000			\$70,000
Replace Kitchen Makeup Air Unit (5,000 CFM)	1	ea	\$105,000.00	\$105,000			\$105,000
Mechanical				\$3,710,000	\$0	\$0	\$3,710,000
Electrical							
Electrical - Vertical Unit Ventilator Replacement	1	ls	\$110,000.00	\$110,000			\$110,000
Electrical rework at ceiling modification	41,000	sf	\$2.00	\$82,000			\$82,000
Add Generator / Switch / Panel for IT Equipment/MDF 5KW	1	ea	\$25,000.00	\$25,000			\$25,000
Electrical				\$217,000	\$0	\$0	\$217,000
Total Cost				\$10,653,340	\$0	\$0	\$10,653,340

**AVONDALE SCHOOL DISTRICT
GATE
FACILITY ASSESSMENT**

General Conditions	8.00%	\$852,267	\$0	\$0	\$852,267
Subtotal		\$11,505,607	\$0	\$0	\$11,505,607
Estimating & Escalation Contingency	15.00%	\$1,725,841	\$0	\$0	\$1,725,841
Construction Contingency	5.00%	\$575,280	\$0	\$0	\$575,280
Total Direct Costs		\$13,806,729	\$0	\$0	\$13,806,729
Testing	0.50%	\$69,034	\$0	\$0	\$69,034
Utility Permits & Fees	0.00%	\$0	\$0	\$0	\$0
Subtotal		\$13,875,762	\$0	\$0	\$13,875,762
Permits	0.50%	\$69,379	\$0	\$0	\$69,379
Subtotal		\$13,945,141	\$0	\$0	\$13,945,141
A/E Fees & Costs	6.50%	\$906,434	\$0	\$0	\$906,434
CM Fees & Costs	3.50%	\$488,080	\$0	\$0	\$488,080
Subtotal		\$15,339,655	\$0	\$0	\$15,339,655
Instructional Technology - (Devices / Computers / Printers / Student Audio Visual Systems)		\$507,140.75	\$288,374.15	\$129,271.17	\$89,495.43
Non Instructional Technology - (Cameras / Phone System / Printers / Clocks / Card Access)		\$978,615.54	\$777,118.79	\$171,664.94	\$29,831.81
Furnishings - (Classroom Furniture / Desks / Chairs & Tables)		\$150,000	\$0	\$0	\$150,000
Equipment		\$0	\$0	\$0	\$0
Buses		\$0	\$0	\$0	\$0
TOTAL COSTS		\$16,975,411	\$1,065,493	\$300,936	\$15,608,982

Project Sheet

Avondale Middle School				Project No. [n]	6
Proposal #:	Series 1	Series 2	Series 3	Series 4	<i>For multiple proposals, include a separate project page for each.</i>
	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	
	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	
	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input checked="" type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	
	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	
	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	
	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	
	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input checked="" type="checkbox"/> Site work	<input type="checkbox"/> Site work	
	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	
	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	

The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	n/a	Cost per Sq Ft	-
New Addition Square Ft.	n/a	Cost per Sq Ft	-

Does this proposed project address any existing environmental or usability problems? (check all that apply)

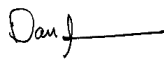
<input type="checkbox"/> None noted	<input checked="" type="checkbox"/> Asbestos abatement	<input checked="" type="checkbox"/> Energy efficiencies	<input type="checkbox"/> ADA requirements	
<input type="checkbox"/> Other - please list:	1.	2.	3.	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction					0
Remodeling			2,340,333		2,340,333
Construction Contingencies			1,065,575		1,065,575
Instructional Technology	510,003	228,622	158,277		896,902
Loose Furnishing/Equipment	981,698	317,912	302,759		1,602,370
Buses					0
Site Work			3,051,635		3,051,635
Site Acquisition					0
Architectural Fees and Costs			516,603		516,603
CM Fees and Costs			226,014		226,014
Estimated Costs	1,491,701	546,534	\$7,661,196	0	9,699,432

Certificate by Registered Architect

I certify that I have assessed the conditions relative to this facility and the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

	2/14/2024	French Associates, Inc. - 31750
Signature	Date	Firm Name and License Number
Dan Jerome, AIA	danj@frenchaia.com	(248) 656-1377
Printed Name	E-mail Address	Phone Number

Building Utilization

School Building Name

Avondale Middle School

Project No. [n] 6.00

Current Grade Structure 6-8
 Proposed Grade Structure 6-8

1. List the number of teaching stations in appropriate column.
2. Calculate total capacity using the applicable capacity factor.
3. Enter five (5) year projected enrollment.
4. Calculate building utilization rate.
5. Attach floor plan of the building. Show the rooms and category (existing, proposed new, closed).
6. Number the teaching stations in consecutive order.

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High	34.00	22.5	765
(9-12) High School		21.25	0
Subtotal	34		765
Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	0		0
Total	34		765

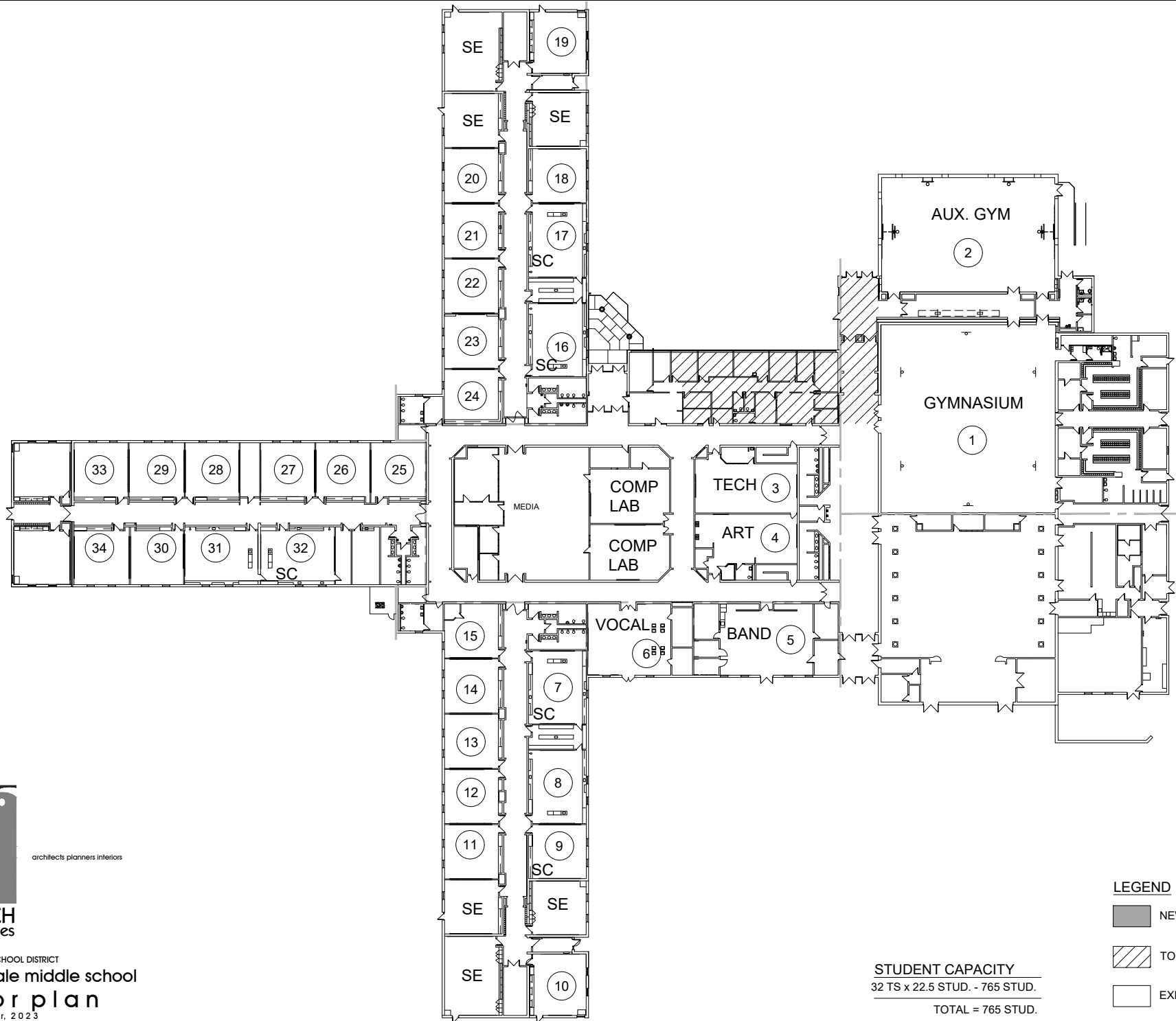
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 629

Utilization Percentage 82%

(Projected 5-Year Enrollment / Total Capacity)

Please transfer applicable information to the Utilization Summary on Page 6 of the application.



architects planners interiors

FRENCH
associates

AVONDALE SCHOOL DISTRICT
avondale middle school
floor plan
 november, 2023

LEGEND

- NEW CONSTRUCTION
- TO BE REMODELED
- EXISTING ADEQUATE

STUDENT CAPACITY
 32 TS x 22.5 STUD. - 765 STUD.
 TOTAL = 765 STUD.

AVONDALE SCHOOL DISTRICT
Avondale MS
FACILITY ASSESSMENT



104,319 sf Existing
0 sf New construction
104,319 sf Total

DESCRIPTION	Quan.	Unit	Unit Cost	Trade Cost	SERIES 1	SERIES 2	SERIES 3
New Construction							
a	0	sf	\$0.00	\$0			\$0
New Construction							
				\$0	\$0	\$0	\$0
Site Work							
Pedestrian walkway alerts	4	ea	\$45,000.00	\$180,000			\$180,000
Scoreboards	1	ea	\$50,000.00	\$50,000			\$50,000
Lighting at field	4	poles	\$115,000.00	\$460,000			\$460,000
Football field turf	97,000	sf	\$12.00	\$1,164,000			\$1,164,000
Football field - Underground Storm Water Detention	1	ls	\$250,000.00	\$250,000			\$250,000
Replace fencing at property line	4,800	lf	\$60.00	\$288,000			\$288,000
Playground expansion	1	ls	\$400,000.00	\$400,000			\$400,000
a	0	ls	\$0.00	\$0			\$0
Site Work				\$2,792,000	\$0	\$0	\$2,792,000
Architectural							
Building Enclosure							
Security measures (Window Film & Secure Entry)	1	ls	\$75,000.00	\$75,000			\$75,000
EIFS repairs	9,500	sf	\$12.00	\$114,000			\$114,000
Roof replacement	1	ls	\$192,000.00	\$192,000			\$192,000
a	0	sf	\$0.00	\$0			\$0
Interior							
Office worker space renovation	200	sf	\$200.00	\$40,000			\$40,000
Vestibule & entry upgrades	1	ls	\$350,000.00	\$350,000			\$350,000
Stage improvements	1	ls	\$250,000.00	\$250,000			\$250,000
Stage floor replacement	1,000	sf	\$20.00	\$20,000			\$20,000
Corridor flooring	20,000	sf	\$12.00	\$240,000			\$240,000
Scoreboards at gym	2	ea	\$7,500.00	\$15,000			\$15,000
a	0	sf	\$0.00	\$0			\$0
Architectural				\$1,296,000	\$0	\$0	\$1,296,000
Mechanical Work							
Replace Kitchen Exhaust Hood and Fan(7,000 CFM)	1	ea	\$75,000.00	\$75,000			\$75,000
Replace Kitchen Makeup Air Unit (5,000 CFM)	1	ea	\$110,000.00	\$110,000			\$110,000
Replace/Upgrade Office Ventilation Systems (2000 CFM)	1	ea	\$105,000.00	\$105,000			\$105,000
a	0	sf	\$0.00	\$0			\$0
Mechanical				\$290,000	\$0	\$0	\$290,000
Electrical							
Electrical infrastructure for IT	104,319	sf	\$2.00	\$208,638			\$208,638
Gymnasium lighting replacement	14,200	sf	\$4.25	\$60,350			\$60,350
Public Announcement system replacement	104,319	sf	\$1.50	\$156,479			\$156,479
Locker Room Lighting Replacement	4,900	sf	\$15.00	\$73,500			\$73,500
North corridor lighting replacement	2,500	sf	\$12.50	\$31,250			\$31,250
Add Generator / Switch / Panel for IT Equipment/MDF 5KW	1	ea	\$25,000.00	\$25,000			\$25,000
a		ea		\$0			\$0
Electrical				\$555,217	\$0	\$0	\$555,217
Total Cost							
				\$4,933,217	\$0	\$0	\$4,933,217
General Conditions	8.00%			\$394,657	\$0	\$0	\$394,657
Subtotal				\$5,327,874	\$0	\$0	\$5,327,874
Estimating & Escalation Contingency	15.00%			\$799,181	\$0	\$0	\$799,181
Construction Contingency	5.00%			\$266,394	\$0	\$0	\$266,394
Total Direct Costs				\$6,393,449	\$0	\$0	\$6,393,449
Testing	0.50%			\$31,967	\$0	\$0	\$31,967
Utility Permits & Fees	0.00%			\$0	\$0	\$0	\$0
Subtotal				\$6,425,416	\$0	\$0	\$6,425,416
Permits	0.50%			\$32,127	\$0	\$0	\$32,127
Subtotal				\$6,457,543	\$0	\$0	\$6,457,543
A/E Fees & Costs	8.00%			\$516,603	\$0	\$0	\$516,603
CM Fees & Costs	3.50%			\$226,014	\$0	\$0	\$226,014
Subtotal				\$7,200,160	\$0	\$0	\$7,200,160
Instructional Technology - (Devices / Computers / Printers / Student Audio Visual Systems)				\$896,901.74	\$510,002.95	\$228,622.01	\$158,276.78
Non Instructional Technology - (Cameras / Phone System / Printers / Clocks / Card Access)				\$1,352,369.52	\$981,698.30	\$317,912.29	\$52,758.93
Furnishings - (Classroom Furniture / Desks / Chairs & Tables)				\$250,000	\$0	\$0	\$250,000
Equipment				\$0	\$0	\$0	\$0
Buses				\$0	\$0	\$0	\$0

AVONDALE SCHOOL DISTRICT
Avondale MS
FACILITY ASSESSMENT

TOTAL COSTS	\$9,699,432	\$1,491,701	\$546,534	\$7,661,196
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Project Sheet

Avondale High School				Project No. [n]	7
Proposal #:	Series 1	Series 2	Series 3	Series 4	<i>For multiple proposals, include a separate project page for each.</i>
	<input type="checkbox"/> New stand-alone bldg	<input checked="" type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	
	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	
	<input type="checkbox"/> Remodeling	<input checked="" type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	
	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	
	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	
	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	
	<input type="checkbox"/> Site work	<input checked="" type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	
	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	
	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	

The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	<u>1000</u>	Cost per Sq Ft	\$ <u>328</u>
New Addition Square Ft.	<u>n/a</u>	Cost per Sq Ft	<u>-</u>

Does this proposed project address any existing environmental or usability problems? (check all that apply)

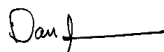
<input type="checkbox"/> None noted	<input checked="" type="checkbox"/> Asbestos abatement	<input checked="" type="checkbox"/> Energy efficiencies	<input type="checkbox"/> ADA requirements	
<input type="checkbox"/> Other - please list:	<u>1.</u>	<u>2.</u>	<u>3.</u>	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction		327,895			327,895
Remodeling		18,490,015			18,490,015
Construction Contingencies		4,538,759			4,538,759
Instructional Technology	893,360	400,472	277,250		1,571,083
Loose Furnishing/Equipment	2,937,912	1,468,042	92,417		4,498,371
Buses					0
Site Work		4,148,720			4,148,720
Site Acquisition					0
Architectural Fees and Costs		1,787,850			1,787,850
CM Fees and Costs		962,689			962,689
Estimated Costs	3,831,273	32,124,442	\$369,667	0	36,325,382

Certificate by Registered Architect

I certify that I have assessed the conditions relative to this facility and the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

	2/14/2024	French Associates, Inc. - 31750
Signature	Date	Firm Name and License Number
Dan Jerome, AIA	danj@frenchaia.com	(248) 656-1377
Printed Name	E-mail Address	Phone Number

Building Utilization

School Building Name

Avondale High School

Project No. [n] 7.00

Current Grade Structure 9-12
 Proposed Grade Structure 9-12

1. List the number of teaching stations in appropriate column.
2. Calculate total capacity using the applicable capacity factor.
3. Enter five (5) year projected enrollment.
4. Calculate building utilization rate.
5. Attach floor plan of the building. Show the rooms and category (existing, proposed new, closed).
6. Number the teaching stations in consecutive order.

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School	60.00	21.25	1,275
Subtotal	60		1,275

Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	0		0
Total	60		1275

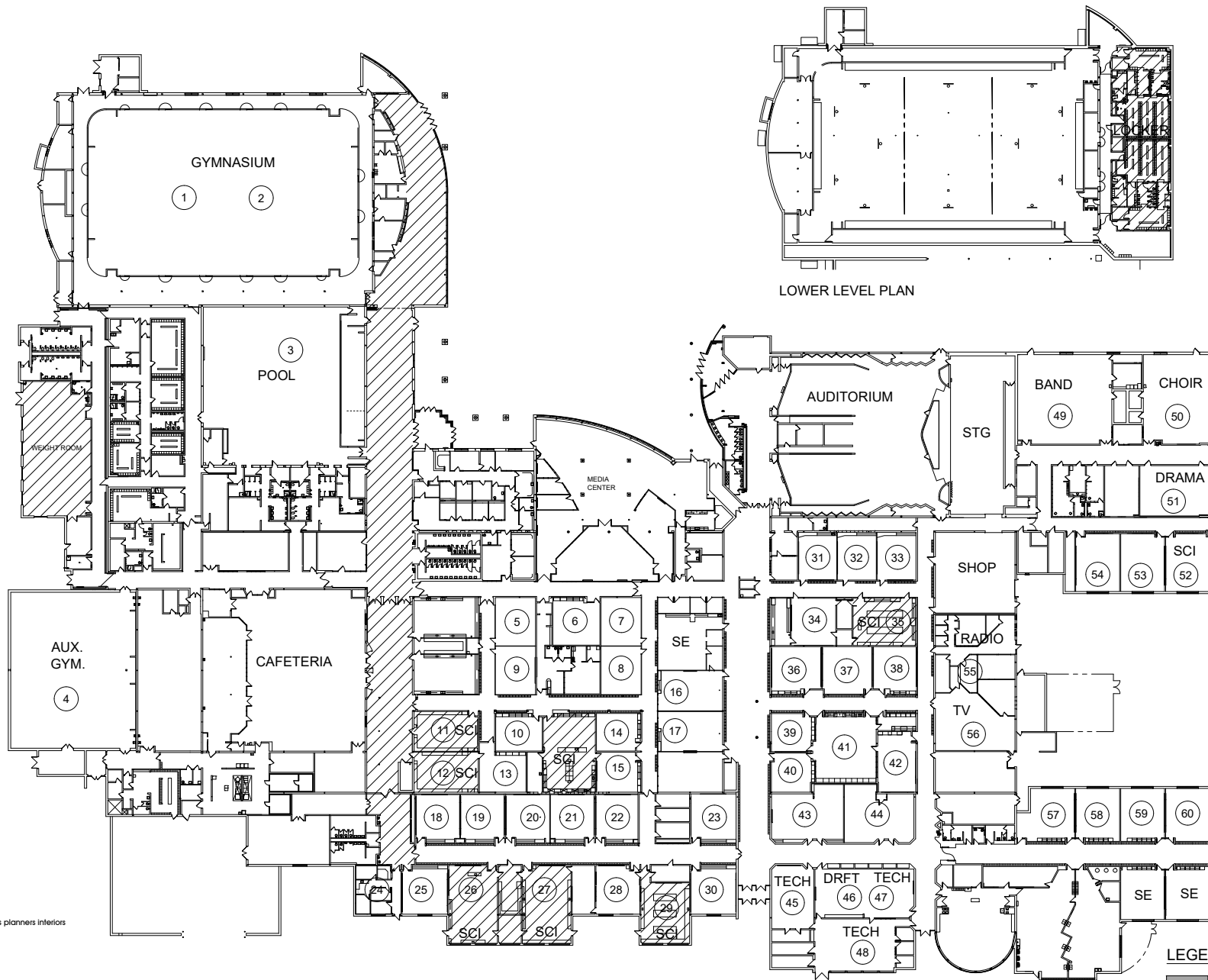
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 1021

Utilization Percentage 80%

(Projected 5-Year Enrollment / Total Capacity)

Please transfer applicable information to the Utilization Summary on Page 6 of the application.



LOWER LEVEL PLAN

- LEGEND**
- NEW CONSTRUCTION
 - TO BE REMODELED
 - EXISTING ADEQUATE

STUDENT CAPACITY
 60 TS x 22.5 STUD. - 1,275 STUD.
 TOTAL = 1,275 STUD.



architects planners interiors

FRENCH
 associates

AVONDALE SCHOOL DISTRICT
avondale high school
floor plan
 november, 2023

AVONDALE SCHOOL DISTRICT
Avondale HS
FACILITY ASSESSMENT



265,000 sf	Existing
0 sf	New construction
265,000 sf	Total

DESCRIPTION	Quan.	Unit	Unit Cost	Trade Cost	SERIES 1	SERIES 2	SERIES 3
New Construction							
Tennis court restroom outbuilding	1,000	sf	\$300.00	300,000		\$300,000	
				\$300,000	\$0	\$300,000	\$0
Site Work							
Tennis court outbuilding restroom	1	ls	\$75,000.00	\$75,000		\$75,000	
Replace football turf	97,600	sf	\$6.00	\$585,600		\$585,600	
Baseball fields - Fencing & Backstop	2,392	lf	\$140.00	\$334,880		\$334,880	
Softball fields - Fencing & Backstop	1,622	lf	\$140.00	\$227,080		\$227,080	
Track resurface	55,850	sf	\$5.25	\$293,213		\$293,213	
Tennis court resurface	8	ea	\$10,000.00	\$80,000		\$80,000	
Lighting at football field	4	poles	\$100,000.00	\$400,000		\$400,000	
Lighting at baseball & softball fields	4	ea	\$350,000.00	\$1,400,000		\$1,400,000	
Lighting at existing tennis courts	8	ea	\$50,000.00	\$400,000		\$400,000	
a	0	ls	\$0.00	\$0		\$0	
				\$3,795,773	\$0	\$3,795,773	\$0
Architectural							
Building Enclosure							
Security measures (Window Film & Secure Entry)	1	ls	\$100,000.00	\$100,000		\$100,000	
Roof replacement	1	ls	\$1,080,000.00	\$1,080,000		\$1,080,000	
Interior							
Main Street Corridor Renovations - floors, ceilings & walls	12,600	sf	\$75.00	\$945,000		\$945,000	
Restroom renovation - floors, ceilings, walls, & ADA modifications	8,000	sf	\$75.00	\$600,000		\$600,000	
Weight room renovations - floors, ceilings, & walls	3,200	sf	\$50.00	\$160,000		\$160,000	
Renovate locker rooms - floors, ceilings, & walls	11,000	sf	\$150.00	\$1,650,000		\$1,650,000	
Replace lockers	1,000	ea	\$250.00	\$250,000		\$250,000	
Acoustical upgrades at CTE	1	ls	\$50,000.00	\$50,000		\$50,000	
Science lab - replace casework	10	ea	\$125,000.00	\$1,250,000		\$1,250,000	
Acoustical ceiling replacement at classrooms	120,000	sf	\$10.00	\$1,200,000		\$1,200,000	
Theatrical rigging controls & rigging hoist	1	ls	\$250,000.00	\$250,000		\$250,000	
a	0	sf	\$0.00	\$0		\$0	
				\$7,535,000	\$0	\$7,535,000	\$0
Mechanical Work							
HVAC - Variable speed units	1	ls	\$50,000.00	\$50,000		\$50,000	
Replace AHU/RTU-1 (STAGE) (HW/DX) (8,400 CFM)	1	ea	\$185,000.00	\$185,000		\$185,000	
Replace AHU/RTU-2 (Theatre) (HW/DX) (16,000 CFM)	1	ea	\$340,000.00	\$340,000		\$340,000	
Replace AHU/RTU-3 (Music) (HW/DX) (21,800 CFM)	1	ea	\$460,000.00	\$460,000		\$460,000	
Replace AHU/RTU-4 (Art) (HW/DX) (23,180 CFM)	1	ea	\$485,000.00	\$485,000		\$485,000	
Replace AHU/RTU-5 (Air House 1) (HW/DX) (2,240 CFM)	1	ea	\$60,000.00	\$60,000		\$60,000	
Replace AHU/RTU-6 (Air House 2) (HW/DX) (7,450 CFM)	1	ea	\$165,000.00	\$165,000		\$165,000	
Replace AHU/RTU-7 (Air House 3) (HW/DX) (7,613 CFM)	1	ea	\$170,000.00	\$170,000		\$170,000	
Replace AHU/RTU-8 (Air House 4) (HW/DX) (7,415 CFM)	1	ea	\$165,000.00	\$165,000		\$165,000	
Replace AHU/RTU-9 (Air House 5) (HW/DX) (8,020 CFM)	1	ea	\$180,000.00	\$180,000		\$180,000	
Replace AHU/RTU-10 (Air House 6) (HW/DX) (11,805 CFM)	1	ea	\$255,000.00	\$255,000		\$255,000	
Replace AHU/RTU-11 (Air House 7) (HW/DX) (12,695 CFM)	1	ea	\$275,000.00	\$275,000		\$275,000	
Replace AHU/RTU-12 (Air House 8) (HW/DX) (3,270 CFM)	1	ea	\$80,000.00	\$80,000		\$80,000	
Replace AHU/RTU-13 (Lobby) (HW/DX) (8,110 CFM)	1	ea	\$180,000.00	\$180,000		\$180,000	
Replace RTU-1 (West Gym) (HW/DX) (8,295 CFM)	1	ea	\$185,000.00	\$185,000		\$185,000	
Replace RTU-2 (Cafeteria) (HW/DX) (14,680 CFM)	1	ea	\$315,000.00	\$315,000		\$315,000	
Replace Band Room RTU (HW/DX) (5,000 CFM)	1	ea	\$116,000.00	\$116,000		\$116,000	
Replace Fitness Center RTU (HW/DX) (5,000 CFM)	1	ea	\$116,000.00	\$116,000		\$116,000	
Replace Choir Room RTU (HW/DX) (5,000 CFM)	1	ea	\$116,000.00	\$116,000		\$116,000	
Replace reheat coils with VAV boxes and update temperature	116	ea	\$9,500.00	\$1,102,000		\$1,102,000	
Replace Kitchen Exhaust Hood and Fan(7,000 CFM)	1	ea	\$70,000.00	\$70,000		\$70,000	
Replace Kitchen Makeup Air Unit (5,000 CFM)	1	ea	\$110,000.00	\$110,000		\$110,000	
Replace Kitchen AC Rooftop Unit (4,000 CFM)	1	ea	\$95,000.00	\$95,000		\$95,000	
Add A/C with ductwork distribution to Concession Stand (2,000 CFM)	1	ea	\$105,000.00	\$105,000		\$105,000	
Add A/C at theatrical dimmer rack rooms	2	ea	\$18,500.00	\$37,000		\$37,000	
Theatrical Scene Shop HVAC Upgrades	1	ls	\$20,000.00	\$20,000		\$20,000	
a	0	sf	\$0.00	\$0		\$0	
				\$5,437,000	\$0	\$5,437,000	\$0

AVONDALE SCHOOL DISTRICT
Avondale HS
FACILITY ASSESSMENT

Electrical					
Electrical infrastructure for IT	265,000	ls	\$2.00	\$530,000	\$530,000
Theatrical lighting upgrades	1	ls	\$140,000.00	\$140,000	\$140,000
Theatrical wired data network for lighting controls	1	ls	\$350,000.00	\$350,000	\$350,000
Theatrical LED Lighting	1	ls	\$250,000.00	\$250,000	\$250,000
Theatrical follow spot fixtures	1	ls	\$25,000.00	\$25,000	\$25,000
LED lighting & controls	265,000	sf	\$5.00	\$1,325,000	\$1,325,000
Public Announcement system replacement	265,000	sf	\$1.50	\$397,500	\$397,500
Fire alarm replacement	265,000	sf	\$3.50	\$927,500	\$927,500
a	0	sf	\$0.00	\$0	\$0
Electrical				\$3,945,000	\$0 \$3,945,000 \$0
Total Cost				\$21,012,773	\$0 \$21,012,773 \$0
General Conditions	8.00%			\$1,681,022	\$0 \$1,681,022 \$0
Subtotal				\$22,693,794	\$0 \$22,693,794 \$0
Estimating & Escalation Contingency	15.00%			\$3,404,069	\$0 \$3,404,069 \$0
Construction Contingency	5.00%			\$1,134,690	\$0 \$1,134,690 \$0
Total Direct Costs				\$27,232,553	\$0 \$27,232,553 \$0
Testing	0.75%			\$204,244	\$0 \$204,244 \$0
Utility Permits & Fees	0.00%			\$0	\$0 \$0 \$0
Subtotal				\$27,436,797	\$0 \$27,436,797 \$0
Permits	0.25%			\$68,592	\$0 \$68,592 \$0
Subtotal				\$27,505,389	\$0 \$27,505,389 \$0
A/E Fees & Costs	6.50%			\$1,787,850	\$0 \$1,787,850 \$0
CM Fees & Costs	3.50%			\$962,689	\$0 \$962,689 \$0
Subtotal				\$30,255,928	\$0 \$30,255,928 \$0
Instructional Technology - (Devices / Computers / Printers / Student Audio Visual Systems)				\$1,571,082.51	\$893,360.46 \$400,472.12 \$277,249.93
Non Instructional Technology - (Cameras / Phone System / Printers / Clocks / Card Access)				\$3,685,363.72	\$2,937,912.10 \$655,034.98 \$92,416.64
Furnishings - (Classroom Furniture / Desks / Chairs & Tables)				\$498,761	\$0 \$498,761 \$0
Equipment				\$314,246	\$0 \$314,246 \$0
Buses				\$0	\$0 \$0 \$0
TOTAL COSTS				\$36,325,381	\$3,831,273 \$32,124,442 \$369,667

Project Sheet

Avondale Learning Center	Project No. [n]	8
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Proposal #:	Series 1	Series 2	Series 3	Series 4	
<i>The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.</i>	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<i>For multiple proposals, include a separate project page for each.</i>
	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	
	<input checked="" type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	
	<input checked="" type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	
	<input checked="" type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	
	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	
	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	
	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	
	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	n/a	Cost per Sq Ft	-
New Addition Square Ft.	n/a	Cost per Sq Ft	-

Does this proposed project address any existing environmental or usability problems? (check all that apply)

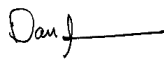
<input type="checkbox"/> None noted	<input checked="" type="checkbox"/> Asbestos abatement	<input checked="" type="checkbox"/> Energy efficiencies	<input checked="" type="checkbox"/> ADA requirements	
<input type="checkbox"/> Other - please list:	1.	2.	3.	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction					0
Remodeling	2,664,169				2,664,169
Construction Contingencies	526,500				526,500
Instructional Technology	360,000				360,000
Loose Furnishing/Equipment	190,000				190,000
Buses					0
Site Work					0
Site Acquisition					0
Architectural Fees and Costs	207,393				207,393
CM Fees and Costs	111,673				111,673
Estimated Costs	4,059,736	0		0	4,059,736

Certificate by Registered Architect

I certify that I have assessed the conditions relative to this facility and the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

 _____ Signature	2/14/2024 _____ Date	French Associates, Inc. - 31750 _____ Firm Name and License Number
Dan Jerome, AIA _____ Printed Name	danj@frenchia.com _____ E-mail Address	(248) 656-1377 _____ Phone Number

AVONDALE SCHOOL DISTRICT
Avondale Learning Center
FACILITY ASSESSMENT



58,714	sf	Existing
0	sf	New construction
58,714	sf	Total

DESCRIPTION	Quan.	Unit	Unit Cost	Trade Cost	SERIES 1	SERIES 2	SERIES 3
New Construction							
a	0	sf	\$0.00	0	\$0		
New Construction				\$0	\$0	\$0	\$0
Site Work							
a	0	ls	\$0.00	\$0	\$0		
a	0	ls	\$0.00	\$0	\$0		
Site Work				\$0	\$0	\$0	\$0
Architectural							
Building Enclosure							
Exterior door & window replacement	1	ls	\$125,000.00	\$125,000	\$125,000		
a	0	sf	\$0.00	\$0	\$0		
Interior							
Renovations robotics / kitchen / restrooms / office - floors, ceilings, and walls	18,500	sf	\$125.00	\$2,312,500	\$2,312,500		
a	0	sf	\$0.00	\$0	\$0		
Architectural				\$2,437,500	\$2,437,500	\$0	\$0
Mechanical Work							
a	0	sf	\$0.00	\$0	\$0		
a	0	sf	\$0.00	\$0	\$0		
Mechanical				\$0	\$0	\$0	\$0
Electrical							
a	0	sf	\$0.00	\$0	\$0		
a	0	sf	\$0.00	\$0	\$0		
Electrical				\$0	\$0	\$0	\$0
Total Cost				\$2,437,500	\$2,437,500	\$0	\$0
General Conditions	8.00%			\$195,000	\$195,000	\$0	\$0
Subtotal				\$2,632,500	\$2,632,500	\$0	\$0
Estimating & Escalation Contingency	15.00%			\$394,875	\$394,875	\$0	\$0
Construction Contingency	5.00%			\$131,625	\$131,625	\$0	\$0
Total Direct Costs				\$3,159,000	\$3,159,000	\$0	\$0
Testing	0.50%			\$15,795	\$15,795	\$0	\$0
Utility Permits & Fees	0.00%			\$0	\$0	\$0	\$0
Subtotal				\$3,174,795	\$3,174,795	\$0	\$0
Permits	0.50%			\$15,874	\$15,874	\$0	\$0
Subtotal				\$3,190,669	\$3,190,669	\$0	\$0
A/E Fees & Costs	6.50%			\$207,393	\$207,393	\$0	\$0
CM Fees & Costs	3.50%			\$111,673	\$111,673	\$0	\$0
Subtotal				\$3,509,736	\$3,509,736	\$0	\$0
Instructional Technology - (Devices / Computers / Printers / Student Audio Visual Systems)				\$360,000	\$360,000		
Non Instructional Technology - (Cameras / Phone System / Printers / Clocks / Card Access)				\$40,000	\$40,000		
Furnishings - (Classroom Furniture / Desks / Chairs & Tables)				\$150,000	\$150,000		
Equipment				\$0	\$0		
Buses				\$0	\$0		
TOTAL COSTS				\$4,059,736	\$4,059,736	\$0	\$0

Project Sheet

Transportation Building				Project No. [n]	9
Proposal #:	Series 1	Series 2	Series 3	Series 4	<i>For multiple proposals, include a separate project page for each.</i>
	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input checked="" type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	
	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	
	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input checked="" type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	
	<input type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	
	<input checked="" type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	
	<input checked="" type="checkbox"/> Buses	<input checked="" type="checkbox"/> Buses	<input checked="" type="checkbox"/> Buses	<input type="checkbox"/> Buses	
	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input checked="" type="checkbox"/> Site work	<input type="checkbox"/> Site work	
	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	
	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	

The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	<u>2600</u>	Cost per Sq Ft	\$ <u>601</u>
New Addition Square Ft.	<u>n/a</u>	Cost per Sq Ft	<u>-</u>

Does this proposed project address any existing environmental or usability problems? (check all that apply)

<input type="checkbox"/> None noted	<input type="checkbox"/> Asbestos abatement	<input checked="" type="checkbox"/> Energy efficiencies	<input type="checkbox"/> ADA requirements	
<input type="checkbox"/> Other - please list:	<u>1.</u>	<u>2.</u>	<u>3.</u>	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction			1,562,979		1,562,979
Remodeling			88,025		88,025
Construction Contingencies			394,856		394,856
Instructional Technology					0
Loose Furnishing/Equipment	26,015	4,108			30,122
Buses	750,000	750,000	2,250,000		3,750,000
Site Work			347,025		347,025
Site Acquisition					0
Architectural Fees and Costs			155,538		155,538
CM Fees and Costs			83,751		83,751
Estimated Costs	776,015	754,108	\$4,882,174	0	6,412,296

Certificate by Registered Architect

I certify that I have assessed the conditions relative to this facility and the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

	2/14/2024	French Associates, Inc. - 31750
Signature	Date	Firm Name and License Number
Dan Jerome, AIA	danj@frenchiaia.com	(248) 656-1377
Printed Name	E-mail Address	Phone Number

AVONDALE SCHOOL DISTRICT
Transportation
FACILITY ASSESSMENT



73,000	sf	Existing
0	sf	New construction
73,000	sf	Total

MAY 2024 Bond

DESCRIPTION	Quan.	Unit	Unit Cost	Trade Cost	SERIES 1	SERIES 2	SERIES 3
New Construction							
Bus garage wash building	2,600	sf	\$550.00	1,430,000			\$1,430,000
				\$1,430,000	\$0	\$0	\$1,430,000
Site Work							
Parking addition	20,000	sf	\$9.00	\$180,000			\$180,000
Underground Storm Water Detention	1	ls	\$100,000.00	\$100,000			\$100,000
Fencing	500	lf	\$75.00	\$37,500			\$37,500
				\$317,500	\$0	\$0	\$317,500
Architectural							
Building Enclosure							
Roof replacement	1	ls	\$60,000.00	\$60,000			\$60,000
a	0	sf	\$0.00	\$0			\$0
Interior							
a	0	sf	\$0.00	\$0			\$0
				\$60,000	\$0	\$0	\$60,000
Mechanical Work							
a	0	sf	\$0.00	\$0			\$0
				\$0	\$0	\$0	\$0
Electrical							
Replace/Upgrade MDP	1	ea	\$20,536.00	\$20,536			\$20,536
a	0	ls	\$0.00	\$0			\$0
				\$20,536	\$0	\$0	\$20,536
Total Cost				\$1,828,036	\$0	\$0	\$1,828,036
General Conditions	8.00%			\$146,243	\$0	\$0	\$146,243
Subtotal				\$1,974,279	\$0	\$0	\$1,974,279
Estimating & Escalation Contingency	15.00%			\$296,142	\$0	\$0	\$296,142
Construction Contingency	5.00%			\$98,714	\$0	\$0	\$98,714
Total Direct Costs				\$2,369,135	\$0	\$0	\$2,369,135
Testing	0.50%			\$11,846	\$0	\$0	\$11,846
Utility Permits & Fees	0.00%			\$0	\$0	\$0	\$0
Subtotal				\$2,380,980	\$0	\$0	\$2,380,980
Permits	0.50%			\$11,905	\$0	\$0	\$11,905
Subtotal				\$2,392,885	\$0	\$0	\$2,392,885
A/E Fees & Costs	6.50%			\$155,538	\$0	\$0	\$155,538
CM Fees & Costs	3.50%			\$83,751	\$0	\$0	\$83,751
Subtotal				\$2,632,174	\$0	\$0	\$2,632,174
Instructional Technology				\$0	\$0	\$0	\$0
Non Instructional Technology - (Cameras / Phone System / Printers / Clocks / Card Access)				\$30,122.24	\$26,014.67	\$4,107.58	\$0
Furnishings				\$0	\$0	\$0	\$0
Equipment				\$0	\$0	\$0	\$0
Buses				\$3,750,000	\$750,000	\$750,000	\$2,250,000
TOTAL COSTS				\$6,412,296	\$776,015	\$754,108	\$4,882,174

Project Sheet

New Early Childhood Center				Project No. [n]	10
Proposal #:	Series 1	Series 2	Series 3	Series 4	<i>For multiple proposals, include a separate project page for each.</i>
	<input type="checkbox"/> New stand-alone bldg	<input checked="" type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	<input type="checkbox"/> New stand-alone bldg	
	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	<input type="checkbox"/> New addition	
	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	<input type="checkbox"/> Remodeling	
	<input type="checkbox"/> Instructional tech.	<input checked="" type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	<input type="checkbox"/> Instructional tech.	
	<input type="checkbox"/> Furnishings/Equip.	<input checked="" type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	<input type="checkbox"/> Furnishings/Equip.	
	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	<input type="checkbox"/> Buses	
	<input type="checkbox"/> Site work	<input checked="" type="checkbox"/> Site work	<input type="checkbox"/> Site work	<input type="checkbox"/> Site work	
	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	<input type="checkbox"/> Building shutdown (demo/closure)	
	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	<input type="checkbox"/> Site acquisition	

The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	<u>55000</u>	Cost per Sq Ft	\$	<u>388</u>
New Addition Square Ft.	<u>n/a</u>	Cost per Sq Ft		<u>-</u>

Does this proposed project address any existing environmental or usability problems? (check all that apply)

<input checked="" type="checkbox"/> None noted	<input type="checkbox"/> Asbestos abatement	<input type="checkbox"/> Energy efficiencies	<input type="checkbox"/> ADA requirements	
<input type="checkbox"/> Other - please list:	<u>1.</u>	<u>2.</u>	<u>3.</u>	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction		21,353,513			21,353,513
Remodeling					0
Construction Contingencies		4,671,000			4,671,000
Instructional Technology		800,000			800,000
Loose Furnishing/Equipment		580,000			580,000
Buses					0
Site Work		2,634,524			2,634,524
Site Acquisition					0
Architectural Fees and Costs		1,862,837			1,862,837
CM Fees and Costs		1,003,066			1,003,066
Estimated Costs	0	32,904,941		0	32,904,941

Certificate by Registered Architect

I certify that I have assessed the conditions relative to this facility and the details of the proposed project(s) described above and the attached detail relative to the construction project(s) are true and correct to the best of my knowledge and belief.

	2/14/2024	French Associates, Inc. - 31750
Signature	Date	Firm Name and License Number
Dan Jerome, AIA	danj@frenchaia.com	(248) 656-1377
Printed Name	E-mail Address	Phone Number

**AVONDALE SCHOOL DISTRICT
ECC
FACILITY ASSESSMENT**



0	sf	Existing
55,000	sf	New construction
55,000	sf	Total

DESCRIPTION	Quan.	Unit	Unit Cost	Trade Cost	SERIES 1	SERIES 2	SERIES 3
New Construction							
Early Childhood Center	55,000	sf	\$350.00	19,250,000		\$19,250,000	
New Construction				\$19,250,000	\$0	\$19,250,000	\$0
Site Work							
Playground equipment & surface	1	ls	\$500,000.00	\$500,000		\$500,000	
Site work - Grading / Site Utilities / Parking Lot	4	acre	\$450,000.00	\$1,575,000		\$1,575,000	
Underground storm water detention	1	ls	\$300,000.00	\$300,000		\$300,000	
Site Work				\$2,375,000	\$0	\$2,375,000	\$0
Architectural							
Building Enclosure							
a	0	sf	\$0.00	\$0		\$0	
Interior							
a	0	sf	\$0.00	\$0		\$0	
Architectural				\$0	\$0	\$0	\$0
Mechanical Work							
a	0	sf	\$0.00	\$0		\$0	
Mechanical				\$0	\$0	\$0	\$0
Electrical							
a	0	sf	\$0.00	\$0		\$0	
Electrical				\$0	\$0	\$0	\$0
Total Cost				\$21,625,000	\$0	\$21,625,000	\$0
General Conditions	8.00%			\$1,730,000		\$1,730,000	
Subtotal				\$23,355,000	\$0	\$23,355,000	\$0
Estimating & Escalation Contingency	15.00%			\$3,503,250		\$3,503,250	
Construction Contingency	5.00%			\$1,167,750		\$1,167,750	
Total Direct Costs				\$28,026,000	\$0	\$28,026,000	\$0
Testing	0.50%			\$140,130		\$140,130	
Utility Permits & Fees	1.25%			\$350,325		\$350,325	
Subtotal				\$28,516,455	\$0	\$28,516,455	\$0
Permits	0.50%			\$142,582		\$142,582	
Subtotal				\$28,659,037	\$0	\$28,659,037	\$0
A/E Fees & Costs	6.50%			\$1,862,837		\$1,862,837	
CM Fees & Costs	3.50%			\$1,003,066		\$1,003,066	
Subtotal				\$31,524,941	\$0	\$31,524,941	\$0
Instructional Technology - (Devices / Computers / Printers / Student Audio Visual Systems)				\$800,000		\$800,000	
Non Instructional Technology - (Cameras / Phone System / Printers / Clocks / Card Access)				\$80,000		\$80,000	
Furnishings - (Classroom Furniture / Desks / Chairs & Tables)				\$500,000		\$500,000	
Equipment				\$0		\$0	
Buses				\$0		\$0	
TOTAL COSTS				\$32,904,941	\$0	\$32,904,941	\$0

Facility Summary

Avondale School District	63-070
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List ALL district facilities in the following order: elementary schools, junior high/middle schools, high schools, and non-instructional facilities.

Proj. No.	1 Facility Type*	2 Name of School Facility	3 Address	4 City	5 Year Built	6 Total Sq.Ft.	7 New Site (Acres)	8 Bldg In Use? Y/N	9 Sq Ft of Closed Facility	10 Disposition of Closed Facility**
1	Instructional	Auburn Elementary	2900 Waukegan	Auburn Hills	1955	84,055	0.25	Yes		
2	Instructional	Deerfield Elementary	3600 Crooks Road	Auburn Hills	1990	51,319	0	Yes		
3	Instructional	Graham Elementary	2450 Old Salem	Auburn Hills	1965	58,800	0	Yes		
4	Instructional	Woodland Elementary	6465 Livernois	Troy	1998	70,843	0	Yes		
5	Instructional	Avondale GATE	1435 West Auburn	Rochester Hills	1955	85,234	0	Yes		
6	Instructional	Avondale Middle School	1445 West Auburn	Rochester Hills	1994	104,319	0	Yes		
7	Instructional	Avondale High School	2800 Waukegan	Auburn Hills	1970	265,000	0	Yes		
8	Non-Instructional	Avondale Learning Ctr.	220 S. Squirrel	Auburn Hills	1967	18,448	0	Yes		
9	Non-Instructional	Transportation	West Auburn	Rochester Hills	1955	5,590	0	Yes		
10	Non-Instructional	New Early Childhood Ctr.		Auburn Hills		55,000	0			
Total	-----	-----	-----	-----	-----	798,608				-----

*Facility Type:	**Closed Facility Reference:
Instructional	1. Demolish
Non-Instructional	2. Convert to non-instructional
Bus Garage	3. Sell or lease
Storage	4. Retain for future use
Stadium	5. Undetermined

Cost Summary TOTAL

Avondale School District											63-070		
1 Proj. #	2 Cost per Sq Foot	3 New Cons Sq Feet	4 New Construction	5 Remodeling	6 Contingency	7 Instructional Technology	8 Loose Furn and Equip	9 Buses	10 Site Work	11 Site Acquisition	12 A/E Fees and Costs	13 CM Fees and Costs	14 Project Costs
1				7,088,632	1,476,474	489,082	1,594,529		382,547	100,000	581,597	313,168	12,026,030
2				3,421,580	1,147,376	477,043	741,236		2,418,911		454,211	244,575	8,904,933
3	\$383	12,000	4,590,568	4,843,022	1,974,991	654,618	812,393		560,159		777,968	418,906	14,632,624
4	\$219	500	109,299	5,095,946	1,104,274	504,131	930,371		382,547		434,984	234,222	8,795,776
5				11,261,472	2,301,121	507,141	1,128,616		382,547		906,434	488,080	16,975,411
6				2,340,333	1,065,575	896,902	1,602,370		3,051,635		516,603	226,014	9,699,432
7	\$328	1,000	327,895	18,490,015	4,538,759	1,571,083	4,498,371		4,148,720		1,787,850	962,689	36,325,381
8				2,664,169	526,500	360,000	190,000				207,393	111,673	4,059,736
9	\$601	2,600	1,562,979	88,025	394,856		30,122	3,750,000	347,025		155,538	83,751	6,412,296
10	\$388	55,000	21,353,513		4,671,000	800,000	580,000		2,634,524		1,862,837	1,003,066	32,904,941
													0
													0
													0
													0
													0
Total		71,100	27,944,255	55,293,196	19,200,926	6,260,000	12,108,007	3,750,000	14,308,615	100,000	7,685,418	4,086,145	150,736,560

17. Funding:

PLUS: Election/Bond Issue Costs: \$2,098,223

LESS: Estimated Interest Earnings: \$2,834,783

Other (specify): _____

AMOUNT OF PROPOSED ISSUE \$150,000,000
(Amount to be Qualified)

Cost Summary- Series 1

Avondale School District											63-070		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Proj. #	Cost per Sq Foot	New Cons Sq Feet	New Construction	Remodeling	Contingency	Instructional Technology	Loose Furn and Equip	Buses	Site Work	Site Acquisition	A/E Fees and Costs	CM Fees and Costs	Project Costs
1						278,106	1,113,740						1,391,845
2				3,421,580	1,147,376	271,260	616,608		2,418,911		454,211	244,575	8,574,521
3						372,234	484,229						856,462
4	\$219	500	109,299	5,095,946	1,104,274	286,663	787,680		382,547		434,984	234,222	8,435,617
5						288,374	777,119						1,065,493
6						510,003	981,698						1,491,701
7						893,360	2,937,912						3,831,273
8				2,664,169	526,500	360,000	190,000				207,393	111,673	4,059,736
9							26,015	750,000					776,015
10													0
													0
													0
													0
													0
													0
Total		500	109,299	11,181,695	2,778,151	3,260,000	7,915,000	750,000	2,801,458	0	1,096,589	590,471	30,482,663

17. Funding:

PLUS: Election/Bond Issue Costs: \$470,600

LESS: Estimated Interest Earnings: \$573,263

Other (specify): \$0

AMOUNT OF PROPOSED ISSUE \$30,380,000
(Amount to be Qualified)

Cost Summary- Series 2

Avondale School District												63-070	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Proj. #	Cost per Sq Foot	New Cons Sq Feet	New Construction	Remodeling	Contingency	Instructional Technology	Loose Furn and Equip	Buses	Site Work	Site Acquisition	A/E Fees and Costs	CM Fees and Costs	Project Costs
1						124,668	352,020						476,688
2						121,599	96,567						218,166
3						166,863	139,657						306,521
4						128,504	113,036						241,540
5						129,271	171,665						300,936
6						228,622	317,912						546,534
7	\$328	1,000	327,895	18,490,015	4,538,759	400,472	1,468,042		4,148,720		1,787,850	962,689	32,124,442
8													0
9							4,108	750,000					754,108
10	\$388	55,000	21,353,513		4,671,000	800,000	580,000		2,634,524		1,862,837	1,003,066	32,904,941
													0
													0
													0
													0
													0
Total		56,000	21,681,408	18,490,015	9,209,759	2,100,000	3,243,007	750,000	6,783,244	0	3,650,688	1,965,755	67,873,876

17. Funding:

PLUS: Election/Bond Issue Costs: \$907,574

LESS: Estimated Interest Earnings: \$1,276,450

Other (specify): \$0

AMOUNT OF PROPOSED ISSUE \$67,505,000
(Amount to be Qualified)

Cost Summary- Series 3

Avondale School District												63-070	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Proj. #	Cost per Sq Foot	New Cons Sq Feet	New Construction	Remodeling	Contingency	Instructional Technology	Loose Furn and Equip	Buses	Site Work	Site Acquisition	A/E Fees and Costs	CM Fees and Costs	Project Costs
1				7,088,632	1,476,474	86,309	128,770		382,547	100,000	581,597	313,168	10,157,497
2						84,184	28,061						112,246
3	\$383	12,000	4,590,568	4,843,022	1,974,991	115,521	188,507		560,159		777,968	418,906	13,469,641
4						88,964	29,655						118,619
5				11,261,472	2,301,121	89,495	179,832		382,547		906,434	488,080	15,608,982
6				2,340,333	1,065,575	158,277	302,759		3,051,635		516,603	226,014	7,661,196
7						277,250	92,417						369,667
8													0
9	\$601	2,600	1,562,979	88,025	394,856			2,250,000	347,025		155,538	83,751	4,882,174
10													0
													0
													0
													0
													0
													0
Total		14,600	6,153,547	25,621,485	7,213,017	900,000	950,000	2,250,000	4,723,913	100,000	2,938,141	1,529,919	52,380,021

17. Funding:

PLUS: Election/Bond Issue Costs: \$720,049
 LESS: Estimated Interest Earnings: \$985,070
 Other (specify): \$0

AMOUNT OF PROPOSED ISSUE \$52,115,000
 (Amount to be Qualified)

3881, Worksheet 1: Useful Life Calculation- Total

A school district must demonstrate that the weighted average maturity of the qualified bond issue does not exceed 120% of the average reasonably expected useful life of the facilities, excluding land and site improvements, being financed with the proceeds of the qualified bonds.

The following table lists the recommended average useful life of the categories of assets that should be considered in this calculation. If a specific item is not listed, it should be assigned to the most closely related category.

Asset Category	Useful Life Years
New School Building	40
Building Improvements - interior and exterior remodeling such as plumbing, electrical, HVAC, fire suppression, security systems, elevators, etc.	30
Roofing	20
Flooring	10
Furnishings and Equipment - furniture and fixtures that are not a structural component of a building such as desks, chairs, tables, storage units, office equipment, copiers, fax machines, communications equipment, kitchen equipment and appliances, athletic equipment, etc.	10
Technology Infrastructure - cables, networks, etc.	10
Buses	6
Technology (instructional and non-instructional) - computers, printers, scanners, etc.	5

Use the worksheet below to calculate the weighted average useful life of assets included in projects funded by bond proceeds.

Follow Column Instructions	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	27,944,254	8,774,506	36,718,760	27.95%	11.18
Building Improvements	30	0	30	51,086,258	15,784,073	66,870,331	50.91%	15.27
Roofing	20	0	20	2,034,000	630,701	2,664,701	2.03%	0.41
Flooring	10	0	10	995,950	310,025	1,305,975	0.99%	0.10
Furnishing/ Equipment	10	0	10	1,988,007	645,008	2,633,015	2.00%	0.20
Technology Infrastructure	10	0	10	1,174,896	365,156	1,540,052	1.17%	0.12
Technology (instr/non-instr)	5	0	5	15,880,000	0	15,880,000	12.09%	0.60
Buses	6	0	6	3,750,000	0	3,750,000	2.85%	0.17
Total for purposes of determining weighted avg useful life				104,853,365	26,509,469	131,362,834	100.00%	28.05

120% of average useful life of assets → 33.66

3881, Worksheet 1: Useful Life Calculation- Series 1

A school district must demonstrate that the weighted average maturity of the qualified bond issue does not exceed 120% of the average reasonably expected useful life of the facilities, excluding land and site improvements, being financed with the proceeds of the qualified bonds.

The following table lists the recommended average useful life of the categories of assets that should be considered in this calculation. If a specific item is not listed, it should be assigned to the most closely related category.

Asset Category	Useful Life Years
New School Building	40
Building Improvements - interior and exterior remodeling such as plumbing, electrical, HVAC, fire suppression, security systems, elevators, etc.	30
Roofing	20
Flooring	10
Furnishings and Equipment - furniture and fixtures that are not a structural component of a building such as desks, chairs, tables, storage units, office equipment, copiers, fax machines, communications equipment, kitchen equipment and appliances, athletic equipment, etc.	10
Technology Infrastructure - cables, networks, etc.	10
Buses	6
Technology (instructional and non-instructional) - computers, printers, scanners, etc.	5

Use the worksheet below to calculate the weighted average useful life of assets included in projects funded by bond proceeds.

Follow Column Instructions	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	109,299	33,347	142,646	0.53%	0.21
Building Improvements	30	0	30	10,814,957	3,297,262	14,112,219	52.62%	15.79
Roofing	20	0	20	78,000	23,908	101,908	0.38%	0.08
Flooring	10	0	10	161,100	49,304	210,404	0.78%	0.08
Furnishing/ Equipment	10	0	10	525,000	159,944	684,944	2.55%	0.26
Technology Infrastructure	10	0	10	127,638	39,258	166,896	0.62%	0.06
Technology (instr/non-instr)	5	0	5	10,650,000	0	10,650,000	39.71%	1.99
Buses	6	0	6	750,000	0	750,000	2.80%	0.17
Total for purposes of determining weighted avg useful life				23,215,994	3,603,023	26,819,017	100.00%	18.62

120% of average useful life of assets → 22.35

3881, Worksheet 1: Useful Life Calculation- Series 2

A school district must demonstrate that the weighted average maturity of the qualified bond issue does not exceed 120% of the average reasonably expected useful life of the facilities, excluding land and site improvements, being financed with the proceeds of the qualified bonds.

The following table lists the recommended average useful life of the categories of assets that should be considered in this calculation. If a specific item is not listed, it should be assigned to the most closely related category.

Asset Category	Useful Life Years
New School Building	40
Building Improvements - interior and exterior remodeling such as plumbing, electrical, HVAC, fire suppression, security systems, elevators, etc.	30
Roofing	20
Flooring	10
Furnishings and Equipment - furniture and fixtures that are not a structural component of a building such as desks, chairs, tables, storage units, office equipment, copiers, fax machines, communications equipment, kitchen equipment and appliances, athletic equipment, etc.	10
Technology Infrastructure - cables, networks, etc.	10
Buses	6
Technology (instructional and non-instructional) - computers, printers, scanners, etc.	5

Use the worksheet below to calculate the weighted average useful life of assets included in projects funded by bond proceeds.

Follow Column Instructions	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	21,681,408	6,809,661	28,491,069	48.71%	19.48
Building Improvements	30	0	30	16,640,015	5,100,751	21,740,766	37.17%	11.15
Roofing	20	0	20	1,080,000	331,058	1,411,058	2.41%	0.48
Flooring	10	0	10	240,000	73,568	313,568	0.54%	0.05
Furnishing/ Equipment	10	0	10	813,007	249,215	1,062,222	1.82%	0.18
Technology Infrastructure	10	0	10	530,000	162,463	692,463	1.18%	0.12
Technology (instr/non-instr)	5	0	5	4,032,000	0	4,032,000	6.89%	0.34
Buses	6	0	6	750,000	0	750,000	1.28%	0.08
Total for purposes of determining weighted avg useful life				45,766,430	12,726,716	58,493,146	100.00%	31.89

120% of average useful life of assets → 38.27

3881, Worksheet 1: Useful Life Calculation- Series 3

A school district must demonstrate that the weighted average maturity of the qualified bond issue does not exceed 120% of the average reasonably expected useful life of the facilities, excluding land and site improvements, being financed with the proceeds of the qualified bonds.

The following table lists the recommended average useful life of the categories of assets that should be considered in this calculation. If a specific item is not listed, it should be assigned to the most closely related category.

Asset Category	Useful Life Years
New School Building	40
Building Improvements - interior and exterior remodeling such as plumbing, electrical, HVAC, fire suppression, security systems, elevators, etc.	30
Roofing	20
Flooring	10
Furnishings and Equipment - furniture and fixtures that are not a structural component of a building such as desks, chairs, tables, storage units, office equipment, copiers, fax machines, communications equipment, kitchen equipment and appliances, athletic equipment, etc.	10
Technology Infrastructure - cables, networks, etc.	10
Buses	6
Technology (instructional and non-instructional) - computers, printers, scanners, etc.	5

Use the worksheet below to calculate the weighted average useful life of assets included in projects funded by bond proceeds.

Follow Column Instructions	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	6,153,547	1,931,498	8,085,045	17.56%	7.02
Building Improvements	30	0	30	23,631,286	7,386,060	31,017,346	67.35%	20.21
Roofing	20	0	20	876,000	275,735	1,151,735	2.50%	0.50
Flooring	10	0	10	594,850	187,153	782,003	1.70%	0.17
Furnishing/ Equipment	10	0	10	650,000	235,849	885,849	1.92%	0.19
Technology Infrastructure	10	0	10	517,348	163,435	680,783	1.48%	0.15
Technology (instr/non-instr)	5	0	5	1,199,701	0	1,199,701	2.61%	0.13
Buses	6	0	6	2,250,000	0	2,250,000	4.89%	0.29
Total for purposes of determining weighted avg useful life				35,872,732	10,179,730	46,052,462	100.00%	28.66

120% of average useful life of assets → 34.39



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February 20, 2024

Ms. Carol Densmore
Michigan Department of Treasury
School Bond and Loan Program
430 W. Allegan Street
Lansing, MI 48922

Re: Avondale School District
New Cost Exceeding Square Foot Parameters

Dear Carol,

Some of the costs for new construction proposed in the August 6, 2024, Avondale School District Bond exceed the State's allowed parameters. Graham Elementary (project 3) has a classroom addition with a relatively small footprint resulting in a higher square foot budgeted cost. Avondale High School (project 7) has a tennis court restroom building with a small footprint and a disproportionate amount of plumbing fixtures to the standard building size driving up the unit price. The Transportation Building (project 9) is a bus wash with equipment costs that are not typical for a school building. The New Early Childhood Center (project 10) estimate is based on the recently completed projects for this type of facility constructed in Oakland County by both AUCH and French. The recent cost escalation is taken into account for the features planned that are similar to other school buildings recently bid.

AUCH Construction's budgeting process starts with looking at the actual costs of similar built projects. We take into consideration Building or Addition type and usage; for instance, a pool addition will have different costs than a classroom addition and total square footage; small additions have a higher cost per square foot than a larger building. Our approach and estimated cost per square foot is based upon the estimator's experience and judgment, including understanding the building systems that a school district or its architect prefers.

Material prices and labor shortages have both increased dramatically in each building trade category since the COVID pandemic, it may take additional time for the market to stabilize and become more predictable. This is the driving escalation to 3 – 5 % when we are budgeting for the projects through 2030. There are no set formulas for developing the building budget; each estimator would have a different approach.

We hope this provides clarity, and are available if there are further questions.

Regards,

Gerry McClelland
AUCH Construction
Director of Preconstruction Services