



ADDENDUM 3 – BID 23-1220
Facility Utilization Study
WALLED LAKE CONSOLIDATED SCHOOL DISTRICT

December 16, 2022

In regards to RFP 23-1220, Facility Utilization Study, this addendum will serve as a notice of Q & A from an interested bidder:

Q: In Section 2.3.2.2, the RFP requests an analysis of facility costs. Please confirm what cost items should be included in this analysis (i.e. maintenance, utilities, instructional staffing, administrative staffing, etc.)?

A: Correct, these are the items we want included. We will be able to provide this data.

Q: In Section 2.3.3.3, the RFP requested an analysis of its existing secondary option areas; please confirm this requirement for “secondary” is referring to high school and special education (up to age 26) programming.

A: Secondary refers to middle and high school grade levels. We also want an assessment of our post-secondary transition program which includes former special needs students to the age of 26. This program is currently housed at Western High School.

Q: Section 2.3.4 of the RFP requests two (2) public forums. Does the District anticipate these to be in-person or virtual? Does the District anticipate these meetings to be scheduled during normal business hours or evenings/weekends? Please confirm the anticipated duration for these public forums?

A: We anticipate these being in person sessions conducted early evenings after school.

Q: Can the District provide a copy of the PQ Application for the 2019 bond program, including floor plans, utilization and teaching station summaries, enrollment projections, etc.?

A: Attached.

Q: Will any of the information included in this scope of work be utilized for a future capital bond program?

A: Unknown at this time. If the results determine capital funds will be necessary to make any changes, perhaps.

Q: Please confirm that selected consultant’s scope of services includes physical tours/site visits for each of WLCS’s facilities.

A: Not certain that was a requirement but a good post bid clarification question for potential providers.

Application for Preliminary Qualification of Bonds

School Bond Qualification and Loan Program for

Walled Lake Consolidated 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
430 West Allegan Street
Lansing, Michigan 48922
517-335-0994
517-241-1233 (f)
<http://www.michigan.gov/sblf>

Application for Preliminary Qualification of Bonds

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

Election: May 7, 2019

63-290-4-K12-25-01

District

Walled Lake Consolidated School District

63-290

850 Ladd Road, Building D

248-956-2010

Walled Lake, MI 48390

Contact Person: Person to whom questions and correspondence concerning this application should be directed.

Kenneth Gutman

248-956-2010

Contact

248-956-2123 (f)

kennethgutman@wlcsd.org

Mailing Instructions

Return TWO originally signed copies to your bond counsel by **OVERNIGHT MAIL**.

Return ONE originally signed copy to your financial consultant.

Return ONE originally signed copy to your architectural firm.

Return ONE originally signed copy to your construction management firm, if applicable.

Retain ONE originally signed copy for your files.

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/special) 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

10 day of January 2019

took the following action:

- (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

10 day of January 2019

Secretary, Board of Education	Signature of Secretary
	Kenneth Gutman
Treasurer, Board of Education	Superintendent of Schools
Miller, Canfield, Paddock & Stone	150 W. Jefferson, Suite 2500, Detroit, MI 48226
Bond Counsel	Mailing Address
PFM Financial Advisors, LLC	555 Briarwood Circle, Ste 333, Ann Arbor, MI 48108
Financial Consultant	Mailing Address
TMP Architecture, Inc	1191 W Square Lake Rd., Bloomfield Hills, MI 48302
Architectural Firm	Mailing Address
Auch Construction	65 University Drive, Pontiac, MI 48342
Construction Management Firm	Mailing Address

ATTACH PROPOSED BALLOT LANGUAGE.

OFFICIAL BALLOT

**WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
COUNTY OF OAKLAND
STATE OF MICHIGAN**

SCHOOL IMPROVEMENT BOND PROPOSITION

Shall the Walled Lake Consolidated School District, County of Oakland, State of Michigan, borrow the sum of not to exceed Three Hundred Sixteen Million Dollars (\$316,000,000) and issue its general obligation unlimited tax bonds, in one or more series, for the purpose of paying for the cost of the following projects:

- Erecting, completing, equipping and furnishing a replacement elementary school, a new early childhood center facility, an addition to the Western High School building, athletic team rooms and additions to existing school buildings and other facilities;
- Remodeling, equipping, re-equipping, furnishing, re-furnishing school buildings, athletic fields, playgrounds and other facilities to create a modern learning environment for students and for other purposes;
- Acquiring and installing instructional technology infrastructure and equipment in school buildings and other facilities; and
- Preparing, developing and improving sites at school buildings and other facilities and the purchase of school buses?

YES _____

NO _____

The maximum number of years any series of bonds may be outstanding, exclusive of refunding, is not more than thirty (30) years; the estimated millage that will be levied to pay the proposed bonds in the first year is 0.58 mills (which is equal to \$0.58 per \$1,000 of taxable value); and the estimated simple average annual millage that will be required to retire each series of bonds is 2.54 mills annually (\$2.54 per \$1,000 of taxable value). The annual debt millage required to retire all bonds of the School District currently outstanding and proposed pursuant to this ballot is expected to be at or below 4.13 mills which is a 0.40 mill decrease from the annual debt millage levied in 2018.

If approved by the voters, the bonds will be guaranteed by the State under the School Bond Qualification and Loan Program (the "Program"). The School District currently has \$100,055,000 of qualified bonds outstanding and \$0 of qualified loans outstanding under the Program. The School District does not expect to borrow from the Program to pay debt service on these bonds. The estimated computed millage rate required to be levied to pay the proposed bonds may change in the future based on changes in certain circumstances.

(Pursuant to State law, expenditure of bond proceeds must be audited, and the proceeds cannot be used for teacher, administrator or employee salaries, repair or maintenance costs or other operating expenses.)

(If No, provide status of unspent/unaudited bonds)

labeled is \$310,000,000.

PFM Financial Advisors LLC



PQ

WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN
2019, 2020, 2022 SCHOOL BUILDING AND SITE BONDS
(GENERAL OBLIGATION - UNLIMITED TAX)

ESTIMATED MILLAGE NEEDED TO RETIRE BONDED DEBT

Series 2019
Amount: \$316,000,000
TIC: \$64,925,000
Dated Date: Jun 15, 19
First Payment: Nov 1, 19 < 5 Months
First Levy: Jul 1, 19
Capitalized Int: \$0
Debt(TV+IFT): 3.35%
Bond Term: 29 yrs., 10.5 mo.
1:5 Ratio: TRUE
Average Life: 20.50
120% ProjUsefulLife: TBD

Series 2020
Amount: \$186,650,000
TIC: 4.75%
Dated Date: Sep 15, 20
First Payment: May 1, 21
First Levy: Jul 1, 21
Capitalized Int: \$4,734,000
Debt(TV+IFT): 6.69%
Bond Term: 29 yrs., 7.5 mo.
1:5 Ratio: TRUE
Average Life: 20.26
120% ProjUsefulLife: TBD

Series 2022
Amount: \$64,425,000
TIC: 5.25%
Dated Date: May 1, 22
First Payment: Nov 1, 22
First Levy: Jul 1, 22
Capitalized Int: \$0
Debt(TV+IFT): 7.48%
Bond Term: 30 yrs., 0 mo.
1:5 Ratio: TRUE
Average Life: 19.62
120% ProjUsefulLife: TBD

Fiscal Year	Tax Year	Existing UT Debt	Series 2019				Series 2020				Series 2022			
			Interest Due	Interest Rate	Principal Due	Total Debt Service	Interest Due	Interest Rate	Principal Due	Total Debt Service	Interest Due	Interest Rate	Principal Due	Total Debt Service
2018	2019	\$17,247,394	\$0	4.750%	\$0	\$0	\$0	4.750%	\$0	\$0	\$0	5.250%	\$0	\$0
2019	2020	17,243,194	1,165,043	4.750%	0	2,707,012	0	4.750%	0	0	0	5.250%	0	0
2020	2021	17,244,494	1,541,969	4.750%	0	3,083,938	0	4.750%	0	5,565,799	0	5.250%	0	0
2021	2022	16,647,094	1,541,969	4.750%	0	3,083,938	4,432,938	4.750%	0	8,865,875	0	5.250%	0	0
2022	2023	6,152,269	1,541,969	4.750%	0	3,083,938	4,432,938	4.750%	0	8,865,875	1,691,156	5.250%	0	3,382,313
2023	2024	6,138,069	1,541,969	4.750%	100,000	3,183,938	4,432,938	4.750%	375,000	9,240,875	1,691,156	5.250%	150,000	3,532,313
2024	2025	4,583,219	1,539,594	4.750%	1,200,000	4,279,188	4,424,031	4.750%	925,000	9,773,063	1,687,219	5.250%	675,000	4,049,438
2025	2026	4,578,719	1,511,094	4.750%	1,200,000	4,222,188	4,402,063	4.750%	1,575,000	10,379,125	1,669,500	5.250%	725,000	4,064,000
2026	2027	4,574,719	1,482,594	4.750%	1,300,000	4,265,188	4,364,656	4.750%	2,176,000	10,904,313	1,650,469	5.250%	775,000	4,075,938
2027	2028	4,570,969	1,451,719	4.750%	1,325,000	4,228,438	4,313,000	4.750%	2,925,000	11,551,000	1,630,125	5.250%	825,000	4,085,250
2028	2029	4,567,219	1,420,250	4.750%	1,375,000	4,215,500	4,243,531	4.750%	3,750,000	12,237,063	1,608,469	5.250%	875,000	4,091,938
2029	2030	4,563,219	1,387,594	4.750%	1,575,000	4,350,188	4,154,469	4.750%	4,235,000	12,563,938	1,585,500	5.250%	1,075,000	4,246,000
2030	2031	4,554,838	1,350,188	4.750%	1,950,000	4,650,375	4,053,413	4.750%	4,610,000	12,716,825	1,557,281	5.250%	1,375,000	4,489,563
2031	2032	4,550,838	1,303,875	4.750%	2,075,000	4,682,750	3,943,925	4.750%	5,000,000	12,887,850	1,521,188	5.250%	1,950,000	4,992,375
2032	2033	4,531,188	1,254,594	4.750%	2,200,000	4,709,188	3,825,175	4.750%	5,750,000	13,400,350	1,470,000	5.250%	2,200,000	5,140,000
2033	2034	4,523,500	1,202,344	4.750%	2,325,000	4,729,688	3,688,613	4.750%	6,800,000	14,177,225	1,412,250	5.250%	2,250,000	5,074,500
2034	2035	4,508,500	1,147,125	4.750%	2,450,000	4,744,250	3,527,113	4.750%	7,075,000	14,129,225	1,353,188	5.250%	2,300,000	5,006,375
2035	2036	4,487,250	1,088,938	4.750%	2,500,000	4,677,875	3,359,081	4.750%	7,100,000	13,818,163	1,292,813	5.250%	2,350,000	4,935,625
2036	2037	4,484,750	1,029,563	4.750%	2,550,000	4,609,125	3,190,456	4.750%	7,200,000	13,580,913	1,231,125	5.250%	2,400,000	4,862,250
2037	2038	4,474,750	969,000	4.750%	2,600,000	4,538,000	3,019,456	4.750%	7,385,000	13,423,913	1,168,125	5.250%	2,450,000	4,786,250
2038	2039	4,457,250	907,250	4.750%	2,650,000	4,464,500	2,844,063	4.750%	7,900,000	13,588,125	1,103,813	5.250%	2,500,000	4,707,625
2039	2040	4,452,250	844,313	4.750%	2,700,000	4,388,625	2,656,438	4.750%	8,430,000	13,742,875	1,038,188	5.250%	2,550,000	4,626,375
2040	2041	4,418,750	780,188	4.750%	2,750,000	4,310,375	2,456,225	4.750%	9,025,000	13,937,450	971,250	5.250%	2,600,000	4,542,500
2041	2042	4,402,750	714,875	4.750%	2,800,000	4,229,750	2,241,881	4.750%	9,635,000	14,118,763	903,000	5.250%	2,650,000	4,456,000
2042	2043	4,368,000	648,375	4.750%	2,850,000	4,146,750	2,013,050	4.750%	10,300,000	14,326,100	833,438	5.250%	2,700,000	4,366,875
2043	2044	0	580,688	4.750%	3,950,000	5,111,375	1,768,425	4.750%	10,725,000	14,261,850	762,563	5.250%	2,750,000	4,275,125
2044	2045	0	486,875	4.750%	4,000,000	4,973,750	1,513,706	4.750%	10,725,000	13,752,413	690,375	5.250%	2,800,000	4,180,750
2045	2046	0	391,875	4.750%	4,050,000	4,833,750	1,258,988	4.750%	10,725,000	13,242,975	616,875	5.250%	2,850,000	4,083,750
2046	2047	0	295,688	4.750%	4,100,000	4,691,375	1,004,269	4.750%	10,725,000	12,733,538	542,063	5.250%	2,900,000	3,984,125
2047	2048	0	198,313	4.750%	4,150,000	4,546,625	749,550	4.750%	10,725,000	12,224,100	465,938	5.250%	2,950,000	3,881,875
2048	2049	0	99,750	4.750%	4,200,000	4,399,500	494,831	4.750%	10,730,000	11,719,663	388,500	5.250%	3,000,000	3,777,000
2049	2050	0	0	4.750%	0	0	239,994	4.750%	10,105,000	10,584,988	309,750	5.250%	3,050,000	3,669,500
2050	2051	0	0	4.750%	0	0	0	4.750%	0	0	228,688	5.250%	4,525,000	4,984,375
2051	2052	0	0	4.750%	0	0	0	4.750%	0	0	110,906	5.250%	4,225,000	4,446,813
2052	2053	0	0	4.750%	0	0	0	4.750%	0	0	0	5.250%	0	0
			\$31,419,574		\$31,796,500	\$64,925,000	\$67,049,213		\$62,615,012	\$186,650,000	\$33,185,906		\$64,425,000	\$130,796,813

[1] Includes \$100,055,000 of Existing UT Debt and \$0 of Existing LTNQ Debt
[2] Includes \$0 of equivalent IFT valuations & less DDA/ITFA debt captures of \$0 for 2019.
[3] Based on \$46,423,668 of Exempt Personal Property for 2018



PQ Continued

WALLED LAKE CONSOLIDATED SCHOOL DISTRICT

ESTIMATED MILLAGE NEEDED TO RETIRE BONDED DEBT

Interest Factor
0.98

Ballot Information	
Election Date	May 7, 2019
First Yr. Millage	0.58
Avg. Millage	2.54

Levy Cycle July Only	
Millage Impact	4.13
Projected	4.53
Current	4.53
Net Increase	-0.40

Fiscal Year	Tax Year	Total Proposed Debt	Total Existing Debt	(2020 Ser.) Capitalized Interest	PPT Reimbursement Amount	Delinquency Allowance 5.00%	Use of Funds on Hand	Existing UT Debt	Projected Tax Base	Growth Rate	Mills Needed New Bond Avg. 2.54	Mills Needed All Qualified Debt	Mills Levied Qualified Debt
2018	2019	\$0	\$17,247,394	\$0	(\$210,202)	\$1,082,225	\$3,525,092	\$21,644,509	\$4,780,253,400	5.29%		4.5278	4.53
2019	2020	2,707,012	19,950,206	0	(210,202)	0	594,716	20,334,720	4,923,661,002	3.00%	0.58	4.13	4.13
2020	2021	8,649,737	28,599,231	(4,734,000)	(164,930)	0	(50,539)	20,944,762	5,071,370,832	3.00%	0.77	4.13	4.13
2021	2022	11,949,813	28,596,906	0	(156,347)	0	(7,020,277)	21,420,282	5,223,511,957	3.00%	2.29	4.10	4.10
2022	2023	15,332,125	21,484,394	0	(146,561)	0	0	21,337,833	5,380,217,316	3.00%	2.85	3.97	3.97
2023	2024	15,957,125	22,095,194	0	(51,821)	0	0	22,043,373	5,541,823,835	3.00%	2.88	3.98	3.98
2024	2025	18,101,688	22,684,906	0	(50,986)	0	0	22,633,920	5,680,164,431	2.50%	3.19	3.98	3.98
2025	2026	18,665,313	23,244,031	0	(37,042)	0	0	23,206,990	5,822,168,542	2.50%	3.21	3.99	3.99
2026	2027	19,245,438	23,820,156	0	(34,423)	0	0	24,400,351	6,116,915,824	2.50%	3.22	3.99	3.99
2027	2028	19,864,688	24,435,656	0	(35,306)	0	0	25,077,296	6,269,838,720	2.50%	3.25	3.99	3.99
2028	2029	20,544,500	25,111,719	0	(36,214)	0	0	26,378,915	6,426,584,688	2.50%	3.29	4.00	4.00
2029	2030	21,160,125	25,718,344	0	(34,423)	0	0	27,061,943	6,587,249,305	2.50%	3.32	4.00	4.00
2030	2031	21,856,763	26,411,600	0	(33,562)	0	0	27,749,792	6,751,930,538	2.50%	3.34	4.01	4.01
2031	2032	22,562,975	27,093,813	0	(31,870)	0	0	28,474,725	6,920,728,801	2.50%	3.36	4.01	4.01
2032	2033	23,249,538	27,780,725	0	(30,933)	0	0	28,358,944	7,093,747,021	2.50%	3.38	4.01	4.01
2033	2034	23,981,413	28,504,913	0	(30,187)	0	0	27,890,315	7,271,090,697	2.50%	3.28	3.90	3.90
2034	2035	23,879,850	28,388,350	0	(29,406)	0	0	27,452,867,964	7,452,867,964	2.50%	3.14	3.74	3.74
2035	2036	23,431,663	27,918,913	0	(26,596)	0	0	27,509,265	7,639,189,663	2.50%	3.02	3.60	3.60
2036	2037	23,052,288	27,537,038	0	(27,773)	0	0	27,195,827	7,830,169,405	2.50%	2.91	3.47	3.47
2037	2038	22,748,163	27,222,913	0	(27,085)	0	0	27,191,131	8,025,923,640	2.50%	2.84	3.39	3.39
2038	2039	22,760,250	27,217,500	0	(26,369)	0	0	27,184,496	8,226,571,731	2.50%	2.77	3.30	3.30
2039	2040	22,757,875	27,210,125	0	(25,629)	0	0	27,184,095	8,432,236,024	2.50%	2.70	3.22	3.22
2040	2041	22,790,325	27,209,075	0	(24,980)	0	0	27,183,073	8,643,041,925	2.50%	2.64	3.15	3.15
2041	2042	22,804,513	27,207,263	0	(24,190)	0	0	27,184,207	8,859,117,973	2.50%	2.58	3.07	3.07
2042	2043	22,839,725	27,207,725	0	(23,518)	0	0	27,184,350	9,080,595,922	2.50%	2.60	2.60	2.60
2043	2044	23,648,350	23,648,350	0	0	0	0	22,906,913	9,307,610,921	2.50%	2.46	2.46	2.46
2044	2045	22,906,913	22,906,913	0	0	0	0	22,160,475	9,540,301,091	2.50%	2.32	2.32	2.32
2045	2046	22,160,475	22,160,475	0	0	0	0	21,409,038	9,778,808,618	2.50%	2.19	2.19	2.19
2046	2047	21,409,038	21,409,038	0	0	0	0	20,652,600	10,023,278,834	2.50%	2.06	2.06	2.06
2047	2048	20,652,600	20,652,600	0	0	0	0	19,896,163	10,273,860,304	2.50%	1.94	1.94	1.94
2048	2049	19,896,163	19,896,163	0	0	0	0	14,254,488	10,530,707,325	2.50%	1.35	1.35	1.35
2049	2050	14,254,488	14,254,488	0	0	0	0	4,984,375	10,793,975,008	2.50%	0.46	0.46	0.46
2050	2051	4,984,375	4,984,375	0	0	0	0	4,446,813	11,063,824,383	2.50%	0.40	0.40	0.40
2051	2052	4,446,813	4,446,813	0	0	0	0	0	11,340,419,992	2.50%	0.00	0.00	0.00
2052	2053	0	0	0	0	0	0	0	0	2.50%	0.00	0.00	0.00
2053	2054	\$625,252,111	\$791,552,299	(\$4,734,000)	(\$1,530,817)	\$1,082,225	(\$2,951,008)	\$783,418,699					

MT/KB



PQ 2019

555 Briarwood Circle
Suite 333
Ann Arbor, MI 48108

734-964-9700
734-964-9710 fax
www.pfm.com

\$64,925,000
WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
2019 SCHOOL BUILDING AND SITE BONDS

BOND SIZING SCHEDULE					
ESTIMATED BOND ISSUANCE COSTS			ESTIMATED OTHER COSTS		
Bond Discount	0.500%	\$324,625	Reimbursable Election Costs		\$43,209
Bond Insurance		0	Capitalized Interest		0
Bond Attorney Fee		81,500	Other		0
Financial Consultant Fee		75,025			
Credit Rating		63,500	TOTAL OTHER COSTS		\$43,209
Qualification of Bonds		16,800	BOND SIZING		
Official Statement Printing & Mailing		4,000	Total Bond Issuance and Other Costs		\$612,859
Notice of Sale Publication		1,800	Total Project Expenditures		65,965,778
Treasury Filing Fee(s)		1,000	Total Project, Issuance & Other Costs		66,578,637
Auditor's Consent Fee		500	Less Original Issue Premium		0
Paying Agent Upfront Fee		500	Less Estimated Construction Fund Earnings		(1,653,637)
Municipal Advisory Council Fee		400	Less Other Adjustments		0
TOTAL BOND ISSUANCE COSTS		\$569,650	AMOUNT OF BOND ISSUE		\$64,925,000

PROJECT FUND DRAWS AND EARNINGS SECTION

Date	Estimated Expenditures		Average Life = 1.48 years		Project Fund Balance	Estimated Interest Rate	Projected Interest Earned
	Project Expenditures	Issuance & Other Costs	Totals	Month Payout %			
Jun 19					\$64,925,000		
Jun 19	\$1,832,383	\$612,859	\$2,445,242	1 3.67%	62,479,759	1.75%	\$91,116
Jul 19	1,832,383		1,832,383	2 6.42%	60,738,492	1.75%	88,577
Aug 19	1,832,383		1,832,383	3 9.18%	58,994,686	1.75%	86,034
Sep 19	1,832,383		1,832,383	4 11.93%	57,248,338	1.75%	83,487
Oct 19	1,832,383		1,832,383	5 14.68%	55,499,442	1.75%	80,937
Nov 19	1,832,383		1,832,383	6 17.43%	53,747,996	1.75%	78,382
Dec 19	1,832,383		1,832,383	7 20.19%	51,993,996	1.75%	75,825
Jan 20	1,832,383		1,832,383	8 22.94%	50,237,438	1.75%	73,263
Feb 20	1,832,383		1,832,383	9 25.69%	48,478,318	1.75%	70,698
Mar 20	1,832,383		1,832,383	10 28.44%	46,716,633	1.75%	68,128
Apr 20	1,832,383		1,832,383	11 31.19%	44,952,378	1.75%	65,556
May 20	1,832,383		1,832,383	12 33.95%	43,185,551	1.75%	62,979
Jun 20	1,832,383		1,832,383	13 36.70%	41,416,147	1.75%	60,399
Jul 20	1,832,383		1,832,383	14 39.45%	39,644,163	1.75%	57,814
Aug 20	1,832,383		1,832,383	15 42.20%	37,869,595	1.75%	55,226
Sep 20	1,832,383		1,832,383	16 44.96%	36,092,439	1.75%	52,635
Oct 20	1,832,383		1,832,383	17 47.71%	34,312,691	1.75%	50,039
Nov 20	1,832,383		1,832,383	18 50.46%	32,530,347	1.75%	47,440
Dec 20	1,832,383		1,832,383	19 53.21%	30,745,405	1.75%	44,837
Jan 21	1,832,383		1,832,383	20 55.96%	28,957,859	1.75%	42,230
Feb 21	1,832,383		1,832,383	21 58.72%	27,167,707	1.75%	39,620
Mar 21	1,832,383		1,832,383	22 61.47%	25,374,943	1.75%	37,005
Apr 21	1,832,383		1,832,383	23 64.22%	23,579,566	1.75%	34,387
May 21	1,832,383		1,832,383	24 66.97%	21,781,570	1.75%	31,765
Jun 21	1,832,383		1,832,383	25 69.73%	19,980,952	1.75%	29,139
Jul 21	1,832,383		1,832,383	26 72.48%	18,177,708	1.75%	26,509
Aug 21	1,832,383		1,832,383	27 75.23%	16,371,835	1.75%	23,876
Sep 21	1,832,383		1,832,383	28 77.98%	14,563,327	1.75%	21,238
Oct 21	1,832,383		1,832,383	29 80.73%	12,752,183	1.75%	18,597
Nov 21	1,832,383		1,832,383	30 83.49%	10,938,397	1.75%	15,952
Dec 21	1,832,383		1,832,383	31 86.24%	9,121,966	1.75%	13,303
Jan 22	1,832,383		1,832,383	32 88.99%	7,302,886	1.75%	10,650
Feb 22	1,832,383		1,832,383	33 91.74%	5,481,154	1.75%	7,993
Mar 22	1,832,383		1,832,383	34 94.50%	3,656,764	1.75%	5,333
Apr 22	1,832,383		1,832,383	35 97.25%	1,829,714	1.75%	2,668
May 22	1,832,383		1,832,383	36 100.00%	0	1.75%	0
Jun '22	0		0	37 100.00%	0	1.75%	0
	\$65,965,778	\$612,859	\$66,578,637				\$1,653,637

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PQ 2020

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\$186,650,000
WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
2020 SCHOOL BUILDING AND SITE BONDS

BOND SIZING SCHEDULE			
ESTIMATED BOND ISSUANCE COSTS			
Bond Discount	0.500%	\$933,250	
Bond Insurance		0	
Bond Attorney Fee		175,000	
Financial Consultant Fee		190,000	
Credit Ratings (2)		190,000	
Qualification of Bonds		41,200	
Official Statement Printing & Mailing		4,000	
Notice of Sale Publication		1,800	
Treasury Filing Fee(s)		1,000	
Auditor's Consent Fee		500	
Paying Agent Upfront Fee		500	
Municipal Advisory Council Fee		400	
TOTAL BOND ISSUANCE COSTS		\$1,537,650	
ESTIMATED OTHER COSTS			
Reimbursable Election Costs			\$1,388
Capitalized Interest			4,734,000
Other			0
TOTAL OTHER COSTS			\$4,735,388
BOND SIZING			
Total Bond Issuance and Other Costs			\$6,273,038
Total Project Expenditures			184,348,139
Total Project, Issuance & Other Costs			190,621,177
Less Original Issue Premium			0
Less Estimated Construction Fund Earnings			(3,971,177)
Less Other Adjustments			0
AMOUNT OF BOND ISSUE			\$186,650,000

PROJECT FUND DRAWS AND EARNINGS SECTION

Estimated Expenditures				Average Life = 1.44 years		Project Fund Balance	Estimated Interest Rate	Projected Interest Earned
Date	Project Expenditures	Issuance & Other Costs	Totals	Month	Payout %			
Sep 20						\$186,650,000		
Sep 20	\$5,120,782	\$6,273,038	\$11,393,820	1	5.98%	175,256,180	1.50%	\$219,070
Oct 20	5,120,782		5,120,782	2	8.66%	170,354,469	1.50%	212,943
Nov 20	5,120,782		5,120,782	3	11.35%	165,446,630	1.50%	206,808
Dec 20	5,120,782		5,120,782	4	14.04%	160,532,657	1.50%	200,666
Jan 21	5,120,782		5,120,782	5	16.72%	155,612,541	1.50%	194,516
Feb 21	5,120,782		5,120,782	6	19.41%	150,686,275	1.50%	188,358
Mar 21	5,120,782		5,120,782	7	22.10%	145,753,851	1.50%	182,192
Apr 21	5,120,782		5,120,782	8	24.78%	140,815,262	1.50%	176,019
May 21	5,120,782		5,120,782	9	27.47%	135,870,499	1.50%	169,838
Jun 21	5,120,782		5,120,782	10	30.15%	130,919,556	1.50%	163,649
Jul 21	5,120,782		5,120,782	11	32.84%	125,962,424	1.50%	157,453
Aug 21	5,120,782		5,120,782	12	35.53%	120,999,095	1.50%	151,249
Sep 21	5,120,782		5,120,782	13	38.21%	116,029,562	1.50%	145,037
Oct 21	5,120,782		5,120,782	14	40.90%	111,053,818	1.50%	138,817
Nov 21	5,120,782		5,120,782	15	43.59%	106,071,853	1.50%	132,590
Dec 21	5,120,782		5,120,782	16	46.27%	101,083,661	1.50%	126,355
Jan 22	5,120,782		5,120,782	17	48.96%	96,089,234	1.50%	120,112
Feb 22	5,120,782		5,120,782	18	51.65%	91,088,564	1.50%	113,861
Mar 22	5,120,782		5,120,782	19	54.33%	86,081,643	1.50%	107,602
Apr 22	5,120,782		5,120,782	20	57.02%	81,068,464	1.50%	101,336
May 22	5,120,782		5,120,782	21	59.70%	76,049,018	1.50%	95,061
Jun 22	5,120,782		5,120,782	22	62.39%	71,023,297	1.50%	88,779
Jul 22	5,120,782		5,120,782	23	65.08%	65,991,295	1.50%	82,489
Aug 22	5,120,782		5,120,782	24	67.76%	60,953,002	1.50%	76,191
Sep 22	5,120,782		5,120,782	25	70.45%	55,908,412	1.50%	69,886
Oct 22	5,120,782		5,120,782	26	73.14%	50,857,516	1.50%	63,572
Nov 22	5,120,782		5,120,782	27	75.82%	45,800,306	1.50%	57,250
Dec 22	5,120,782		5,120,782	28	78.51%	40,736,775	1.50%	50,921
Jan 23	5,120,782		5,120,782	29	81.20%	35,666,914	1.50%	44,584
Feb 23	5,120,782		5,120,782	30	83.88%	30,590,716	1.50%	38,238
Mar 23	5,120,782		5,120,782	31	86.57%	25,508,173	1.50%	31,885
Apr 23	5,120,782		5,120,782	32	89.25%	20,419,276	1.50%	25,524
May 23	5,120,782		5,120,782	33	91.94%	15,324,019	1.50%	19,155
Jun 23	5,120,782		5,120,782	34	94.63%	10,222,392	1.50%	12,778
Jul 23	5,120,782		5,120,782	35	97.31%	5,114,389	1.50%	6,393
Aug 23	5,120,782		5,120,782	36	100.00%	0	1.50%	0
Sep 23	0		0	37	100.00%	0	1.50%	0
	\$184,348,139	\$6,273,038	\$190,621,177					\$3,971,177

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PQ 2022

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\$64,425,000
WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
2022 SCHOOL BUILDING AND SITE BONDS

BOND SIZING SCHEDULE			
ESTIMATED BOND ISSUANCE COSTS			
Bond Discount	0.500%	\$322,125	
Bond Insurance		0	
Bond Attorney Fee		81,000	
Financial Consultant Fee		74,525	
Credit Rating(s)		124,000	
Qualification of Bonds		16,800	
Official Statement Printing & Mailing		4,000	
Notice of Sale Publication		1,800	
Treasury Filing Fee(s)		1,000	
Auditor's Consent Fee		500	
Paying Agent Upfront Fee		500	
Municipal Advisory Council Fee		400	
TOTAL BOND ISSUANCE COSTS		\$626,650	
ESTIMATED OTHER COSTS			
Reimbursable Election Costs			\$7,889
Capitalized Interest			0
Other			0
TOTAL OTHER COSTS			\$7,889
BOND SIZING			
Total Bond Issuance and Other Costs			\$634,539
Total Project Expenditures			65,194,871
Total Project Issuance & Other Costs			65,829,410
Less Original Issue Premium			0
Less Estimated Construction Fund Earnings			(1,404,410)
Less Other Adjustments			0
AMOUNT OF BOND ISSUE			\$64,425,000

PROJECT FUND DRAWS AND EARNINGS SECTION

Estimated Expenditures				Average Life = 1.48 years		Project Fund Balance	Estimated Interest Rate	Projected Interest Earned
Date	Project Expenditures	Issuance & Other Costs	Totals	Month	Payout %			
May 22						\$64,425,000		
May 22	\$1,810,969	\$634,539	\$2,445,508	1	3.71%	61,979,492	1.50%	\$77,474
Jun 22	1,810,969		1,810,969	2	6.47%	60,245,998	1.50%	75,307
Jul 22	1,810,969		1,810,969	3	9.22%	58,510,337	1.50%	73,138
Aug 22	1,810,969		1,810,969	4	11.97%	56,772,506	1.50%	70,966
Sep 22	1,810,969		1,810,969	5	14.72%	55,032,503	1.50%	68,791
Oct 22	1,810,969		1,810,969	6	17.47%	53,290,325	1.50%	66,613
Nov 22	1,810,969		1,810,969	7	20.22%	51,545,969	1.50%	64,432
Dec 22	1,810,969		1,810,969	8	22.97%	49,799,433	1.50%	62,249
Jan 23	1,810,969		1,810,969	9	25.72%	48,050,714	1.50%	60,063
Feb 23	1,810,969		1,810,969	10	28.47%	46,299,809	1.50%	57,875
Mar 23	1,810,969		1,810,969	11	31.22%	44,546,715	1.50%	55,683
Apr 23	1,810,969		1,810,969	12	33.98%	42,791,430	1.50%	53,489
May 23	1,810,969		1,810,969	13	36.73%	41,033,950	1.50%	51,292
Jun 23	1,810,969		1,810,969	14	39.48%	39,274,274	1.50%	49,093
Jul 23	1,810,969		1,810,969	15	42.23%	37,512,398	1.50%	46,890
Aug 23	1,810,969		1,810,969	16	44.98%	35,748,320	1.50%	44,685
Sep 23	1,810,969		1,810,969	17	47.73%	33,982,037	1.50%	42,478
Oct 23	1,810,969		1,810,969	18	50.48%	32,213,546	1.50%	40,267
Nov 23	1,810,969		1,810,969	19	53.23%	30,442,844	1.50%	38,054
Dec 23	1,810,969		1,810,969	20	55.98%	28,669,929	1.50%	35,837
Jan 24	1,810,969		1,810,969	21	58.73%	26,894,798	1.50%	33,618
Feb 24	1,810,969		1,810,969	22	61.49%	25,117,448	1.50%	31,397
Mar 24	1,810,969		1,810,969	23	64.24%	23,337,876	1.50%	29,172
Apr 24	1,810,969		1,810,969	24	66.99%	21,556,079	1.50%	26,945
May 24	1,810,969		1,810,969	25	69.74%	19,772,056	1.50%	24,715
Jun 24	1,810,969		1,810,969	26	72.49%	17,985,802	1.50%	22,482
Jul 24	1,810,969		1,810,969	27	75.24%	16,197,316	1.50%	20,247
Aug 24	1,810,969		1,810,969	28	77.99%	14,406,594	1.50%	18,008
Sep 24	1,810,969		1,810,969	29	80.74%	12,613,634	1.50%	15,767
Oct 24	1,810,969		1,810,969	30	83.49%	10,818,432	1.50%	13,523
Nov 24	1,810,969		1,810,969	31	86.24%	9,020,986	1.50%	11,276
Dec 24	1,810,969		1,810,969	32	89.00%	7,221,294	1.50%	9,027
Jan 25	1,810,969		1,810,969	33	91.75%	5,419,352	1.50%	6,774
Feb 25	1,810,969		1,810,969	34	94.50%	3,615,157	1.50%	4,519
Mar 25	1,810,969		1,810,969	35	97.25%	1,808,708	1.50%	2,261
Apr 25	1,810,969		1,810,969	36	100.00%	0	1.50%	0
May 25	0		0	37	100.00%	0	1.50%	0
	\$65,194,871	\$634,539	\$65,829,410					\$1,404,410

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BEFORE ADDITIONAL BONDING

WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN

ESTIMATED MILLAGE NEEDED TO RETIRE BONDED DEBT BEFORE ADDITIONAL BONDING

Debt/TV ^[2] : 2.34%	2018 Debt Levy: 4.5279
Collection Cycle	
July Levy 100%	Total Levy: 4.53

Existing Unlimited Tax Debt & Mills									
Levy Year	Fiscal Year End	Projected Tax Base ^[1]	Growth Rate	Existing UT Payments	Use of Funds on Hand	Delinquency Allowance 5.00%	Exempt Pers. Property Receipts ^[3]	Net UT Payments	Mills Needed All Debt
2018	2019	\$4,780,253,400	5.29%	\$17,247,394	\$3,525,092	\$1,082,225	(\$210,202)	\$21,644,509	4.53
2019	2020	4,923,661,002	3.00%	17,243,194	459,366	0	(210,202)	17,492,358	3.55
2020	2021	5,071,370,832	3.00%	17,244,494	0	0	(164,930)	17,079,564	3.37
2021	2022	5,223,511,957	3.00%	16,947,094	0	0	(156,347)	16,490,746	3.16
2022	2023	5,380,217,316	3.00%	6,152,269	0	0	(146,561)	6,005,708	1.12
2023	2024	5,541,623,835	3.00%	6,138,069	0	0	(51,821)	6,086,248	1.10
2024	2025	5,680,164,431	2.50%	4,583,219	0	0	(50,986)	4,532,233	0.80
2025	2026	5,822,168,542	2.50%	4,578,719	0	0	(37,042)	4,541,677	0.78
2026	2027	5,967,722,755	2.50%	4,574,719	0	0	(36,214)	4,538,505	0.76
2027	2028	6,116,915,824	2.50%	4,570,969	0	0	(35,306)	4,535,663	0.74
2028	2029	6,269,838,720	2.50%	4,567,219	0	0	(34,423)	4,532,796	0.72
2029	2030	6,426,584,688	2.50%	4,558,219	0	0	(33,562)	4,524,657	0.70
2030	2031	6,587,249,305	2.50%	4,554,838	0	0	(32,685)	4,522,153	0.69
2031	2032	6,751,930,538	2.50%	4,530,838	0	0	(31,870)	4,498,968	0.67
2032	2033	6,920,728,801	2.50%	4,531,188	0	0	(30,933)	4,500,254	0.65
2033	2034	7,093,747,021	2.50%	4,523,500	0	0	(30,187)	4,493,313	0.63
2034	2035	7,271,090,697	2.50%	4,508,500	0	0	(29,406)	4,479,094	0.62
2035	2036	7,452,867,964	2.50%	4,487,250	0	0	(28,598)	4,458,652	0.60
2036	2037	7,639,189,663	2.50%	4,484,750	0	0	(27,773)	4,456,977	0.58
2037	2038	7,830,169,405	2.50%	4,474,750	0	0	(27,085)	4,447,665	0.57
2038	2039	8,025,923,640	2.50%	4,457,250	0	0	(26,369)	4,430,881	0.55
2039	2040	8,226,571,731	2.50%	4,452,250	0	0	(25,629)	4,426,621	0.54
2040	2041	8,432,236,024	2.50%	4,418,750	0	0	(24,980)	4,393,770	0.52
2041	2042	8,643,041,925	2.50%	4,402,750	0	0	(24,190)	4,378,560	0.51
2042	2043	8,859,117,973	2.50%	4,368,000	0	0	(23,518)	4,344,482	0.49
2043	2044	9,080,595,922	2.50%	0	0	0	0	0	0.00
				\$166,300,188	\$3,984,457	\$1,082,225	(\$1,530,817)	\$169,836,053	

[1] Includes \$0 of equivalent IFT valuations & less DDA/TIFA debt captures of \$0 for 2018.

[2] Includes principal outstanding: \$111,970,000 of unlimited tax bonds and \$0 of limited tax bonds

[3] Based on \$46,423,668 of Exempt Personal Property for 2018



WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN
EXISTING DEBT BEFORE ADDITIONAL BONDING

2011 Refunding Bonds

Tax-Type: Unlimited Tax Qualified

Original Amount: \$49,485,000

Net Interest Cost: 5.000%

Call Date: 05/01/2020

Voter Approved Before 2015: Yes

Dated: 03/02/2011

2012 Refunding Bonds

Tax-Type: Unlimited Tax Qualified

Original Amount: \$7,225,000

Net Interest Cost: 3.000%

Call Date: Non-Callable

Voter Approved Before 2015: Yes

Dated: 07/26/2012

Levy Year	FY End Year	Interest Due		Principal Due		Total Debt	
		Nov 1	May 1	Nov 1	May 1	Nov 1	May 1
2018	2019	\$491,750	\$491,750	\$5,000,000	\$5,000,000	\$5,983,500	\$5,983,500
2019	2020	366,750	366,750	4,935,000	4,935,000	5,668,500	5,668,500
2020	2021	243,375	243,375	4,890,000	4,890,000	5,376,750	5,376,750
2021	2022	121,125	121,125	4,845,000	4,845,000	5,087,250	5,087,250
2022	2023	0	0	0.000%	0.000%	0	0
2023	2024	0	0	0.000%	0.000%	0	0
2024	2025	0	0	0.000%	0.000%	0	0
2025	2026	0	0	0.000%	0.000%	0	0
2026	2027	0	0	0.000%	0.000%	0	0
2027	2028	0	0	0.000%	0.000%	0	0
2028	2029	0	0	0.000%	0.000%	0	0
2029	2030	0	0	0.000%	0.000%	0	0
2030	2031	0	0	0.000%	0.000%	0	0
2031	2032	0	0	0.000%	0.000%	0	0
2032	2033	0	0	0.000%	0.000%	0	0
2033	2034	0	0	0.000%	0.000%	0	0
2034	2035	0	0	0.000%	0.000%	0	0
2035	2036	0	0	0.000%	0.000%	0	0
2036	2037	0	0	0.000%	0.000%	0	0
2037	2038	0	0	0.000%	0.000%	0	0
2038	2039	0	0	0.000%	0.000%	0	0
2039	2040	0	0	0.000%	0.000%	0	0
2040	2041	0	0	0.000%	0.000%	0	0
2041	2042	0	0	0.000%	0.000%	0	0
2042	2043	0	0	0.000%	0.000%	0	0
2043	2044	0	0	0.000%	0.000%	0	0
Totals:		\$1,223,000	\$1,223,000	\$19,670,000	\$19,670,000	\$22,116,000	\$22,116,000



WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN
EXISTING DEBT BEFORE ADDITIONAL BONDING

2014 School Building & Site Bonds

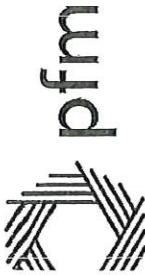
Tax-Type: Unlimited Tax Qualified
Original Amount: \$65,760,000
Net Interest Cost: 4.889%
Call Date: 05/01/2023
Voter Approved Before 2015: No
Dated: 01/28/2014

Levy Year	FY End Year	Interest Due Nov 1	Interest Due May 1	Principal Due May 1	Total Debt Service
2018	2019	\$1,514,597	\$1,514,597	\$1,155,000	\$4,184,194
2019	2020	1,503,047	1,503,047	1,305,000	4,311,094
2020	2021	1,476,947	1,476,947	1,430,000	4,383,894
2021	2022	1,448,347	1,448,347	1,555,000	4,451,694
2022	2023	1,421,134	1,421,134	1,680,000	4,522,269
2023	2024	1,391,734	1,391,734	1,805,000	4,588,469
2024	2025	1,346,609	1,346,609	1,890,000	4,583,219
2025	2026	1,299,359	1,299,359	1,980,000	4,578,719
2026	2027	1,249,859	1,249,859	2,075,000	4,574,719
2027	2028	1,197,984	1,197,984	2,175,000	4,570,969
2028	2029	1,143,609	1,143,609	2,280,000	4,557,219
2029	2030	1,086,609	1,086,609	2,385,000	4,558,219
2030	2031	1,037,419	1,037,419	2,480,000	4,554,838
2031	2032	975,419	975,419	2,580,000	4,530,838
2032	2033	920,594	920,594	2,690,000	4,531,188
2033	2034	861,750	861,750	2,800,000	4,523,500
2034	2035	791,750	791,750	2,925,000	4,508,500
2035	2036	718,625	718,625	3,050,000	4,487,250
2036	2037	642,375	642,375	3,200,000	4,484,750
2037	2038	562,375	562,375	3,350,000	4,474,750
2038	2039	478,625	478,625	3,500,000	4,457,250
2039	2040	391,125	391,125	3,670,000	4,452,250
2040	2041	299,375	299,375	3,820,000	4,418,750
2041	2042	203,875	203,875	3,995,000	4,402,750
2042	2043	104,000	104,000	4,160,000	4,368,000
2043	2044	0	0	0	0
Totals:		\$24,067,144	\$24,067,144	\$63,935,000	\$112,069,288

2015 Refunding Bonds

Tax-Type: Unlimited Tax Qualified
Original Amount: \$37,280,000
Net Interest Cost: 5.000%
Call Date: Non-Callable
Voter Approved Before 2015: Yes
Dated: 02/03/2015

Levy Year	FY End Year	Interest Due Nov 1	Interest Due May 1	Principal Due May 1	Total Debt Service
2018	2019	\$477,500	\$477,500	\$4,160,000	\$5,115,000
2019	2020	373,500	373,500	4,635,000	5,382,000
2020	2021	257,625	257,625	5,170,000	5,685,250
2021	2022	128,375	128,375	5,135,000	5,391,750
2022	2023	0	0	0	0
2023	2024	0	0	0	0
2024	2025	0	0	0	0
2025	2026	0	0	0	0
2026	2027	0	0	0	0
2027	2028	0	0	0	0
2028	2029	0	0	0	0
2029	2030	0	0	0	0
2030	2031	0	0	0	0
2031	2032	0	0	0	0
2032	2033	0	0	0	0
2033	2034	0	0	0	0
2034	2035	0	0	0	0
2035	2036	0	0	0	0
2036	2037	0	0	0	0
2037	2038	0	0	0	0
2038	2039	0	0	0	0
2039	2040	0	0	0	0
2040	2041	0	0	0	0
2041	2042	0	0	0	0
2042	2043	0	0	0	0
2043	2044	0	0	0	0
Totals:		\$1,237,000	\$1,237,000	\$19,100,000	\$21,574,000



WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN
EXISTING DEBT BEFORE ADDITIONAL BONDING

2016 Refunding Bonds

Tax-Type: Unlimited Tax Qualified
Original Amount: \$8,675,000
Net Interest Cost: 4.000%

Call Date: Non-Callable

Voter Approved Before 2015: Yes

Dated: 02/04/2016

Levy Year	FY End Year	Interest Due		Interest Rate		Principal Due		Total Debt Service	TOTAL UTQ	
		Nov 1	May 1	May 1	May 1	May 1	May 1		Principal	Total Debt Service
2018	2019	\$173,500	\$173,500	4.000%	\$1,010,000	\$1,357,000	\$11,915,000	\$17,247,394		
2019	2020	153,300	153,300	4.000%	1,575,000	1,881,600	12,450,000	17,243,194		
2020	2021	121,800	121,800	4.000%	1,555,000	1,798,600	13,045,000	17,244,494		
2021	2022	90,700	90,700	4.000%	1,535,000	1,716,400	13,070,000	16,647,094		
2022	2023	60,000	60,000	4.000%	1,510,000	1,630,000	3,190,000	6,152,269		
2023	2024	29,800	29,800	4.000%	1,490,000	1,549,600	3,295,000	6,138,069		
2024	2025	0	0	0.000%	0	0	1,890,000	4,583,219		
2025	2026	0	0	0.000%	0	0	1,980,000	4,578,719		
2026	2027	0	0	0.000%	0	0	2,075,000	4,574,719		
2027	2028	0	0	0.000%	0	0	2,175,000	4,570,969		
2028	2029	0	0	0.000%	0	0	2,280,000	4,567,219		
2029	2030	0	0	0.000%	0	0	2,385,000	4,558,219		
2030	2031	0	0	0.000%	0	0	2,480,000	4,554,838		
2031	2032	0	0	0.000%	0	0	2,580,000	4,530,838		
2032	2033	0	0	0.000%	0	0	2,690,000	4,531,188		
2033	2034	0	0	0.000%	0	0	2,800,000	4,523,500		
2034	2035	0	0	0.000%	0	0	2,925,000	4,508,500		
2035	2036	0	0	0.000%	0	0	3,050,000	4,487,250		
2036	2037	0	0	0.000%	0	0	3,200,000	4,484,750		
2037	2038	0	0	0.000%	0	0	3,350,000	4,474,750		
2038	2039	0	0	0.000%	0	0	3,500,000	4,457,250		
2039	2040	0	0	0.000%	0	0	3,670,000	4,452,250		
2040	2041	0	0	0.000%	0	0	3,820,000	4,418,750		
2041	2042	0	0	0.000%	0	0	3,995,000	4,402,750		
2042	2043	0	0	0.000%	0	0	4,160,000	4,368,000		
2043	2044	0	0	0.000%	0	0	0	0		
Totals:		\$629,100	\$629,100		\$8,675,000	\$9,933,200	\$111,970,000	\$166,300,188		

MT 12-18-18



555 Briarwood Circle
Suite 333
Ann Arbor, MI 48108

734.994.9700
734.994.9710 fax
www.pfm.com

**WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
COUNTY OF OAKLAND, STATE OF MICHIGAN
Taxable Value History**

Levy Year	Taxable Value	Exempt Personal Property	Adjusted Total	T.V. Change	Adjusted T.V. Change	5 Year Average	20 Year Average
2018	\$4,780,253,400	\$46,423,668	\$4,826,677,068	4.93%	5.29%	3.50%	2.85%
2017	4,555,558,670	28,560,758	4,584,119,428	4.07%	3.90%	2.52%	
2016	4,377,521,840	34,415,123	4,411,936,963	1.78%	2.58%	1.10%	
2015	4,301,133,490	0	4,301,133,490	3.69%	3.69%	(0.76)%	
2014	4,148,166,480	0	4,148,166,480	2.03%	2.03%	(3.96)%	
2013	4,065,635,340	0	4,065,635,340	0.39%	0.39%	(5.37)%	
2012	4,049,810,180	0	4,049,810,180	(3.19)%	(3.19)%	(5.66)%	
2011	4,183,368,560	0	4,183,368,560	(6.74)%	(6.74)%	(4.10)%	
2010	4,485,550,500	0	4,485,550,500	(12.30)%	(12.30)%	(1.38)%	
2009	5,114,937,450	0	5,114,937,450	(4.99)%	(4.99)%	2.51%	
2008	5,383,371,340	0	5,383,371,340	(1.06)%	(1.06)%	4.99%	
2007	5,441,003,299	0	5,441,003,299	4.60%	4.60%	6.58%	
2006	5,201,603,630	0	5,201,603,630	6.83%	6.83%	7.38%	
2005	4,869,096,200	0	4,869,096,200	7.18%	7.18%	7.97%	
2004	4,543,111,751	0	4,543,111,751	7.39%	7.39%	8.02%	
2003	4,230,559,002	0	4,230,559,002	6.88%	6.88%	8.29%	
2002	3,958,169,927	0	3,958,169,927	8.63%	8.63%		
2001	3,643,686,005	0	3,643,686,005	9.78%	9.78%		
2000	3,319,133,291	0	3,319,133,291	7.43%	7.43%		
1999	3,089,512,649	0	3,089,512,649	8.71%	8.71%		
1998	2,841,938,882	0	2,841,938,882				

Enrollment Projections

Walled Lake Consolidated School District

63-290

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 Stephen Smith

Source Stan Fred

Explanation of Method Selected

USE THE 1.5 PROJECTIONS EXPECTING ENROLLMENTS TO FALL BETWEEN THE MOST LIKELY AND HIGH CLOSER TO THE MOST LIKELY -- TWO TIMES THE MOST LIKELY PLUS THE HIGH DIVIDED BY THREE

Subtotals by Grade:

Grade	Preceding 5-Year Enrollment	(Year) Current Enrollment	(Year) Projected 5-Year Enrollment	(Col 4 - Col 3) / Col 3 Projected Enrollment Change (%)
1	2	3	4	5
K		947	938	-0.95%
1		960	964	0.38%
2		930	976	4.95%
3		982	973	-0.92%
4		1,002	970	-3.19%
5		1,009	989	-2.02%
6		964	1,004	4.15%
7		1,113	969	-12.94%
8		1,072	1,029	-3.98%
9		1,000	1,019	1.87%
10		1,146	1,011	-11.75%
11		1,085	930	-14.25%
12		1,111	1,040	-6.42%
Total	14,724	13,321	12,812	-3.82%

Subtotals by School District's Grade Configuration: *

K - 5	6,391	5,830	5,809	-0.35%
6 - 8	3,515	3,149	3,002	-4.66%
9 - 12	4,818	4,342	4,000	-7.88%
General Ed Total	14,724	13,321	12,812	-3.82%

*Examples of possible grade configurations

K - 5	K - 8	K - 12
6 - 8	5 - 6	5 - 8
9 - 12	10 - 12	7 - 12

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

Commerce Elementary School

Project No. [n]

1

Description of Proposal/Series 1	Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Upgrade Corridor walls for smoke rating; Replace EIFS Siding; Replace windows; Replace Roof; Replace Interior ceilings; Upgrade Classroom Casework; Restroom Upgrades; Energy Management System Replacement; Provide backflow preventer; Replace boilers; Replace AHU; Replace exhaust fans; Upgrade Electrical Distribution - replace panels; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED
Description of Proposal/Series 2	
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Paving Upgrades; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	3,572,828	0	0	3,572,828
Construction Contingency	625,740	0	0	625,740
Instructional Technology	60,913	0	0	60,913
Loose Furn and Equip	983,493	0	0	983,493
Buses	0	0	0	0
Site Work	646,867	0	0	646,867
Site Acquisition	0	0	0	0
A/E Fees and Costs	339,180	0	0	339,180
CM Fees and Costs	176,883	0	0	176,883
Estimated Costs	6,405,903	0	0	6,405,903

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.

	1/9/2019	TMP Architecture, Inc.	31181
Signature	Date	Firm Name and License Number	

Stephen E. Smith AIA
Printed Name

ssmith@tmparchitecture.com
E-mail Address

248-338-4561
Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Commerce Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section	sqft	0	\$212.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Paving Upgrades	lpsm	1	\$380,000.00	\$380,000
Install LED Parking Lot Lights	each	15	\$9,500.00	\$142,500
Total Sitework				\$594,878
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,300	\$18.75	\$80,625
Upgrade Corridor walls for smoke rating	lnft	1,500	\$110.00	\$165,000
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Replace EIFS Siding	sqft	5,200	\$50.00	\$260,000
Replace windows	sqft	3,000	\$85.00	\$255,000
Replace Roof	sqft	46,233	\$14.00	\$647,262
Replace interior ceilings	sqft	46,233	\$5.00	\$231,165
Upgrade Classroom Casework	room	20	\$8,500.00	\$170,000
Restroom Upgrades	each	6	\$100,000	\$600,000
Total Renovation Work				\$2,519,052
<u>Mechanical Work</u>				
Energy Management System Replacement	sqft	46,233	\$4.00	\$184,932
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	2	\$90,000	\$180,000
Replace AHU	lpsm	1	\$200,000	\$200,000
Replace exhaust fans	each	10	\$850	\$8,500
Total Mechanical Work				\$578,432
<u>Electrical</u>				
Upgrade Electrical Distribution - replace panels	sqft	46,233	\$1.50	\$69,350
Upgrade existing outlets to tamper proof	sqft	46,233	\$2.35	\$108,648
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Total Electrical Work				\$188,197
Total Cost		46,223		\$3,880,559
General Conditions	7.50%			\$291,042
Subtotal				\$4,171,601
Estimating Contingency	10.00%			\$417,160
Project Contingency	5.00%			\$208,580
Total Direct Costs				\$4,797,341
Testing	0.50%			\$23,987
Utility Permits & Fees				\$0
Subtotal				\$4,821,328
Permits	0.50%			\$24,107
Subtotal				\$4,845,435
A/E Fees & Reimbursables	7.00%			\$339,180
CM Fees	3.10%			\$150,208
Subtotal				\$5,334,824
Insurance Program	0.50%			\$26,674
Subtotal				\$5,361,498
Fixtures Furnishings & Equipment				\$806,489
Furnishings				\$40,000
Equipment				\$137,004
Non Instructional Tech				\$60,913
Instructional Technology				
TOTAL COSTS			\$138.59	\$6,405,903



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Commerce Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$3,572,827.91
Construction Contingencies				\$625,740.19
Instructional Technology				\$60,912.78
Loose Furnishing/Equipment				\$983,492.78
Buses				\$0.00
Site Work				\$646,866.71
Site Acquisition				\$0.00
Architectural Fees and Costs				\$339,180.44
CM Fees and Costs				\$176,882.60
TOTAL COSTS				\$6,405,903

Building Utilization

Commerce Elementary School

Project No. [n] 1

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

1. List the number of teaching station 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 0

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	13	20	260
(3-5) Upper Elementary	12	25	300
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	25		560
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	25		560

Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	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 637.0

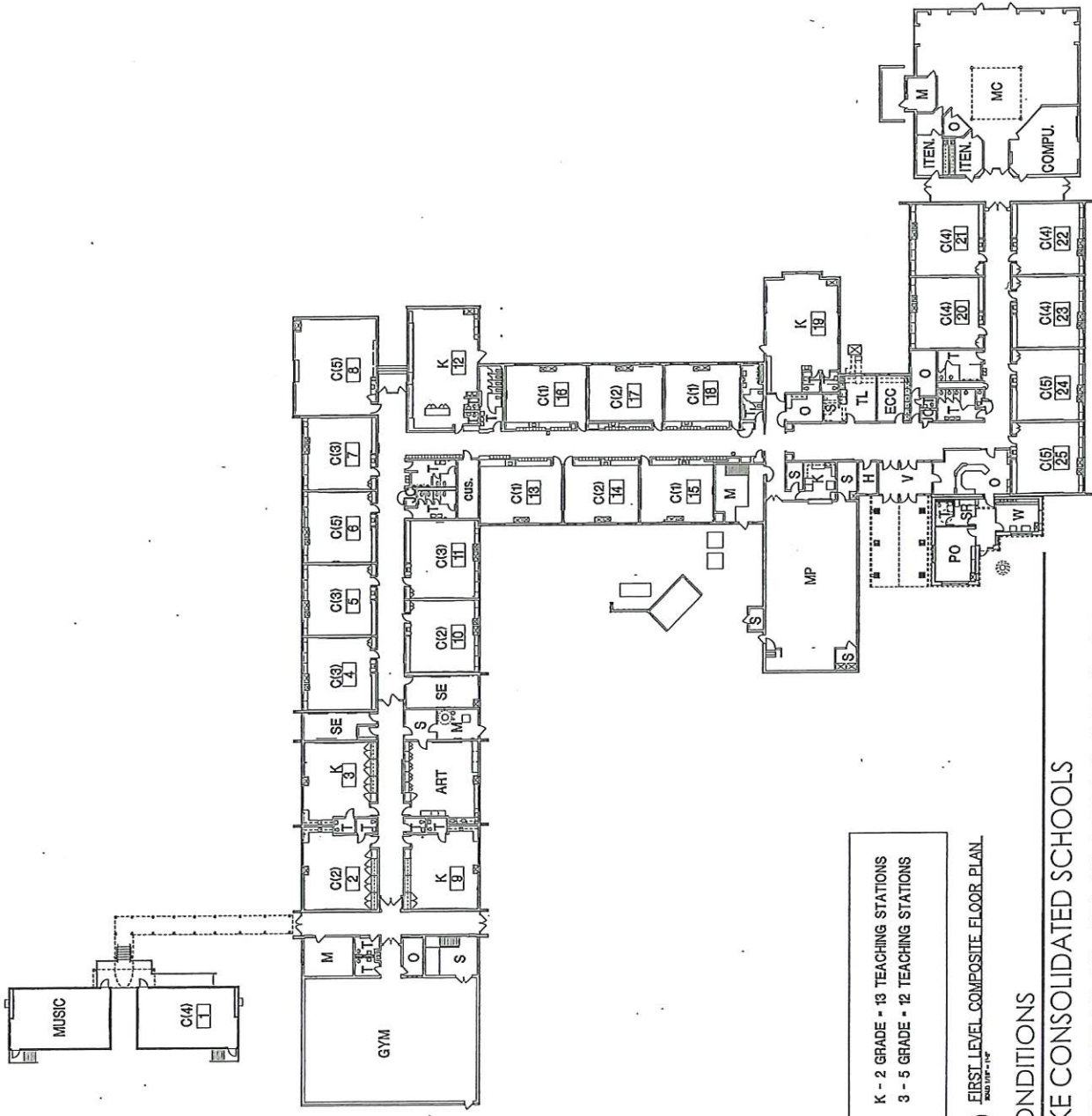
Utilization Percentage 114%

(Projected 5-Year Enrollment / Total Capacity)

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

ROOM USE LEGEND

A	ART ROOM
B	BOILER ROOM
C	CLASSROOM
CA	COMPUTER CLASSROOM
CB	COMPUTER CLASSROOM
CC	COMPUTER CLASSROOM
CD	COMPUTER CLASSROOM
CE	COMPUTER CLASSROOM
CF	COMPUTER CLASSROOM
CG	COMPUTER CLASSROOM
CH	COMPUTER CLASSROOM
CI	COMPUTER CLASSROOM
CJ	COMPUTER CLASSROOM
CK	COMPUTER CLASSROOM
CL	COMPUTER CLASSROOM
CM	COMPUTER CLASSROOM
CN	COMPUTER CLASSROOM
CO	COMPUTER CLASSROOM
CP	COMPUTER CLASSROOM
CQ	COMPUTER CLASSROOM
CR	COMPUTER CLASSROOM
CS	COMPUTER CLASSROOM
CT	COMPUTER CLASSROOM
CU	COMPUTER CLASSROOM
CV	COMPUTER CLASSROOM
CW	COMPUTER CLASSROOM
CX	COMPUTER CLASSROOM
CY	COMPUTER CLASSROOM
CZ	COMPUTER CLASSROOM
D	DRIVE
E	ENTRANCE
F	FIELD HOUSE
G	GYMNASIUM
H	HALLWAY
I	ICE SKATING RINK
J	JOCKEY BOX
K	KITCHEN
L	LABORATORY
M	MECHANICAL ROOM
N	NATURAL GAS
O	OFFICE
P	PERFORMANCE SPACE
Q	QUARTERS
R	RECREATION
S	RESTROOM
T	THEATRE
U	UTILITY
V	VESTIBULE
W	WATER
X	WATER TOWER
Y	WATER TOWER
Z	WATER TOWER



K - 2 GRADE - 13 TEACHING STATIONS
 3 - 5 GRADE - 12 TEACHING STATIONS

FIRST LEVEL COMPOSITE FLOOR PLAN

EXISTING CONDITIONS
 WALLED LAKE CONSOLIDATED SCHOOLS
 COMMERCE ELEMENTARY SCHOOL

Project Sheet

Dublin Elementary School

Project No. [n] 2

Description of Proposal/Series 1	
Description of Proposal/Series 2	New construction; mechanical and electrical work included
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Playground Equipment; Sitework; Phased demo of existing building

Construction Cost Per Square Foot

New Construction Square Ft	85,000	Cost per Sq Ft	214.34
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	18,218,716	0	18,218,716
Remodeling	0	0	0	0
Construction Contingency	0	2,164,075	0	2,164,075
Instructional Technology	0	131,883	0	131,883
Loose Furn and Equip	0	1,383,511	0	1,383,511
Buses	0	0	0	0
Site Work	0	3,660,676	0	3,660,676
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	1,683,043	0	1,683,043
CM Fees and Costs	0	877,707	0	877,707
Estimated Costs	0	28,119,609	0	28,119,609

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.

	1/9/2019	TMP Architecture, Inc.	31181
Signature	Date	Firm Name and License Number	

Stephen E. Smith AIA	ssmith@tmparchitecture.com	248-338-4561
Printed Name	E-mail Address	Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Dublin Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
New Construction	sqft	85,000	\$200.00	\$17,000,000
Total New Construction				\$17,000,000
<u>Sitework & Demo</u>				
Playground Equipment	lpsm	1	\$250,000.00	\$250,000
Sitework	lpsm	1	\$2,000,000	\$2,000,000
Phased Demo of existing building	lpsm	1	\$1,165,800	\$1,165,800
Total Sitework				\$3,415,800
<u>Renovation Work</u>				
No work this section	sqft	0	\$0.00	\$0
Total Renovation Work				\$0
<u>Mechanical Work</u>				
Included above			\$0.00	\$0
Total Mechanical Work				\$0
<u>Electrical</u>				
Included above	sqft		\$0.00	\$0
Total Electrical				\$0
Total Cost		85,000		\$20,415,800
General Conditions	6.00%			\$1,224,948
Subtotal				\$21,640,748
Estimating Contingency	5.00%			\$1,082,037
Project Contingency	5.00%			\$1,082,037
Total Direct Costs				\$23,804,823
Testing	0.50%			\$119,024
Utility Permits & Fees				\$0
Subtotal				\$23,923,847
Permits	0.50%			\$119,619
Subtotal				\$24,043,466
A/E Fees & Reimbursables	7.00%			\$1,683,043
CM Fees	3.10%			\$745,347
Subtotal				\$26,471,856
Insurance Program	0.50%			\$132,359
Subtotal				\$26,604,216
Fixtures Furnishings & Equipment				\$927,417
Furnishings				\$40,000
Equipment				\$416,093
Non Instructional Tech				\$131,883
Instructional Technology				\$131,883
TOTAL COSTS			\$330.82	\$28,119,609



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Dublin Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	85,000	\$214.34	\$18,218,715.55
Remodeling				\$0.00
Construction Contingencies				\$2,164,074.80
Instructional Technology				\$131,883.23
Loose Furnishing/Equipment				\$1,383,510.62
Buses				\$0.00
Site Work				\$3,660,675.80
Site Acquisition				\$0.00
Architectural Fees and Costs				\$1,683,042.63
CM Fees and Costs				\$877,706.73
TOTAL COSTS				\$28,119,609

Building Utilization

Dublin Elementary School

Project No. [n] 2

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

1. List the number of teaching station 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	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	0		0
Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	12	20	240
(3-5) Upper Elementary	12	25	300
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	24		540
Total	24		540

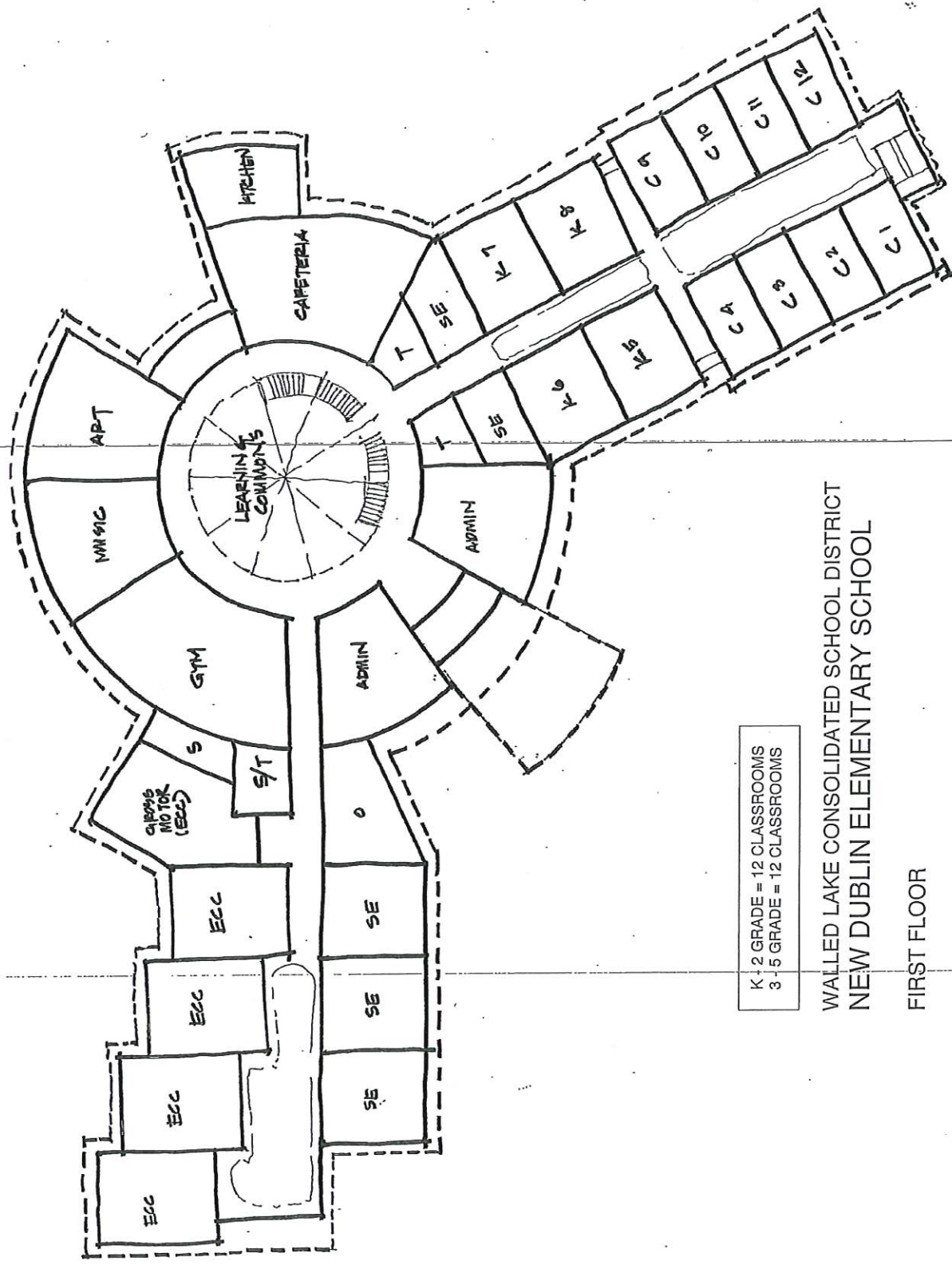
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	10	20	200
(3-5) Upper Elementary	12	25	300
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	22		500

Projected 5-Year Enrollment 541

Utilization Percentage 100%

(Projected 5-Year Enrollment / Total Capacity)

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



K-2 GRADE = 12 CLASSROOMS
 3-5 GRADE = 12 CLASSROOMS

WALLED LAKE CONSOLIDATED SCHOOL DISTRICT
 NEW DUBLIN ELEMENTARY SCHOOL

FIRST FLOOR



Project Sheet

Glengary Elementary School

Project No. [n]

3

Description of Proposal/Series 1	Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Upgrade Corridor walls for smoke rating; Replace EIFS Siding; Replace Porcelain Metal Panels; Replace windows; Replace Roof; Replace interior ceilings; Upgrade Classroom Casework; Restroom Upgrades; Provide backflow preventer; Replace AHU; Replace exhaust fans; Upgrade Electrical Distribution - replace panels; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED
Description of Proposal/Series 2	
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Paving Upgrades; Install LED Parking Lot Lights; Install Municipal Water Service; Install Municipal Sewer Service

Construction Cost Per Square Foot

New Construction Square Ft.	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00

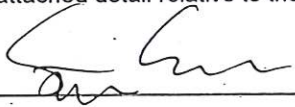
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	3,469,741	0	0	3,469,741
Construction Contingency	832,978	0	0	832,978
Instructional Technology	57,986	0	0	57,986
Loose Furn and Equip	753,610	0	0	753,610
Buses	0	0	0	0
Site Work	2,147,470	0	0	2,147,470
Site Acquisition	0	0	0	0
A/E Fees and Costs	451,513	0	0	451,513
CM Fees and Costs	235,464	0	0	235,464
Estimated Costs	7,948,762	0	0	7,948,762

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 _____ Date 1/9/2019 Firm Name and License Number TMP Architecture, Inc. 31181

Stephen E. Smith AIA
 Printed Name _____ E-mail Address ssmith@tmparchitecture.com Phone Number 248-338-4561



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Glengary Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section			\$0.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Paving Upgrades	lpsm	1	\$260,000	\$260,000
Install LED Parking Lot Lights	each	15	\$9,500	\$142,500
Install Municipal Water Service	lpsm	1	\$1,000,000	\$1,000,000
Install Municipal Sewer Service	lpsm	1	\$500,000	\$500,000
Total Sitework				\$1,974,878
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,300	\$18.75	\$80,625
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Upgrade Corridor walls for smoke rating	lnft	1,675	\$110.00	\$184,250
Replace EIFS Siding	sqft	7,100	\$50.00	\$355,000
Replace Porcelain Metal Panels	lnft	500	\$100.00	\$50,000
Replace windows	sqft	2,000	\$85.00	\$170,000
Replace Roof	sqft	50,867	\$14.00	\$712,138
Replace interior ceilings	sqft	50,867	\$5.00	\$254,335
Upgrade Classroom Casework	room	30	\$8,500.00	\$255,000
Restroom Upgrades	each	6	\$100,000	\$600,000
Total Renovation Work				\$2,771,348
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace AHU	lpsm	1	\$200,000	\$200,000
Replace exhaust fans	each	10	\$850	\$8,500
Total Mechanical Work				\$213,500
<u>Electrical</u>				
Upgrade Electrical Distribution - replace panels	sqft	50,867	\$1.50	\$76,301
Upgrade existing outlets to tamper proof	sqft	50,864	\$2.35	\$119,530
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Total Electrical				\$206,031
Total Cost		50,867		\$5,165,757
General Conditions	7.50%			\$387,432
Subtotal				\$5,553,189
Estimating Contingency	10.00%			\$555,319
Project Contingency	5.00%			\$277,659
Total Direct Costs				\$6,386,167
Testing	0.50%			\$31,931
Utility Permits & Fees				\$0
Subtotal				\$6,418,098
Permits	0.50%			\$32,090
Subtotal				\$6,450,189
A/E Fees & Reimbursables	7.00%			\$451,513
CM Fees	3.10%			\$199,956
Subtotal				\$7,101,658
Insurance Program	0.50%			\$35,508
Subtotal				\$7,137,166
Fixtures Furnishings & Equipment				
Furnishings				\$575,847
Equipment				\$40,000
Non Instructional Tech				\$137,763
Instructional Technology				\$57,986
TOTAL COSTS			\$156.27	\$7,948,762

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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Glengary Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of		Unit Cost	Total Cost
	Meas.	Quan.		
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$3,469,740.68
Construction Contingencies				\$832,978.34
Instructional Technology				\$57,985.71
Loose Furnishing/Equipment				\$753,610.07
Buses				\$0.00
Site Work				\$2,147,469.61
Site Acquisition				\$0.00
Architectural Fees and Costs				\$451,513.20
CM Fees and Costs				\$235,464.14
TOTAL COSTS				\$7,948,762

Building Utilization

Glengary Elementary School

Project No. [n] 3

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

1. List the number of teaching station 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	6	20	120
(3-5) Upper Elementary	8	25	200
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	14		320
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	14		320

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 297

Utilization Percentage 93%

(Projected 5-Year Enrollment / Total Capacity)

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



GLENGARY ELEMENTARY SCHOOL

Project Sheet

Guest Elementary School

Project No. [n]

4

Description of Proposal/Series 1	Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Enhance Exterior Canopy; Upgrade Corridor walls for smoke rating; Replace EIFS Siding; Replace windows; Replace Roof; Replace interior ceilings; Upgrade Classroom Casework; Restroom Upgrades; Upgrade Electrical Distribution - replace panels; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED
Description of Proposal/Series 2	
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Paving Upgrades; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	3,747,221	0	0	3,747,221
Construction Contingency	638,701	0	0	638,701
Instructional Technology	55,059	0	0	55,059
Loose Furn and Equip	893,402	0	0	893,402
Buses	0	0	0	0
Site Work	559,875	0	0	559,875
Site Acquisition	0	0	0	0
A/E Fees and Costs	346,206	0	0	346,206
CM Fees and Costs	180,546	0	0	180,546
Estimated Costs	6,421,010	0	0	6,421,010

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.

	1/9/2019	TMP Architecture, Inc.	31181
Signature	Date	Firm Name and License Number	

Stephen E. Smith AIA
Printed Name

ssmith@tmparchitecture.com
E-mail Address

248-338-4561
Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Mary Helen Guest Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section	sqft	0	\$250.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Paving Upgrades	lpsm	1	\$300,000	\$300,000
Install LED Parking Lot Lights	each	15	\$9,500	\$142,500
Total Sitework				\$514,878
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,300	\$18.75	\$80,625
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Enhance Exterior Canopy	each	1	\$180,000.00	\$180,000
Upgrade Corridor walls for smoke rating	lnft	1,400	\$110.00	\$154,000
Replace EIFS Siding	sqft	9,500	\$50.00	\$475,000
Replace windows	sqft	1,850	\$85.00	\$157,250
Replace Roof	sqft	45,973	\$14.00	\$643,622
Replace interior ceilings	sqft	45,973	\$5.00	\$229,865
Upgrade Classroom Casework	room	30	\$8,500.00	\$255,000
Restroom Upgrades	each	4	\$100,000	\$400,000
Total Renovation Work				\$2,685,362
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	4	\$90,000	\$360,000
Replace AHU	lspm	1	\$200,000	\$200,000
Replace exhaust fans	each	10	\$850	\$8,500
Total Mechanical Work				\$573,500
<u>Electrical</u>				
Upgrade Electrical Distribution - replace panels	sqft	45,973	\$1.50	\$68,960
Upgrade existing outlets to tamper proof	sqft	45,973	\$2.35	\$108,037
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Total Electrical				\$187,196
Total Cost		45,973		\$3,960,936
General Conditions	7.50%			\$297,070
Subtotal				\$4,258,007
Estimating Contingency	10.00%			\$425,801
Project Contingency	5.00%			\$212,900
Total Direct Costs				\$4,896,708
Testing	0.50%			\$24,484
Utility Permits & Fees				\$0
Subtotal				\$4,921,191
Permits	0.50%			\$24,606
Subtotal				\$4,945,797
A/E Fees & Reimbursables	7.00%			\$346,206
CM Fees	3.10%			\$153,320
Subtotal				\$5,445,323
Insurance Program	0.50%			\$27,227
Subtotal				\$5,472,549
Fixtures Furnishings & Equipment				
Furnishings				\$716,778
Equipment				\$40,000
Non Instructional Tech				\$136,624
Instructional Technology				\$55,059
TOTAL COSTS			\$139.67	\$6,421,010

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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Mary Helen Guest Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$3,747,220.80
Construction Contingencies				\$638,700.98
Instructional Technology				\$55,058.64
Loose Furnishing/Equipment				\$893,402.20
Buses				\$0.00
Site Work				\$559,875.23
Site Acquisition				\$0.00
Architectural Fees and Costs				\$346,205.79
CM Fees and Costs				\$180,546.32
TOTAL COSTS				\$6,421,010

Building Utilization

Guest Elementary School

Project No. [n] 4

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

1. List the number of teaching station 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	10	20	200
(3-5) Upper Elementary	7	25	175
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	17		375
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	17		375

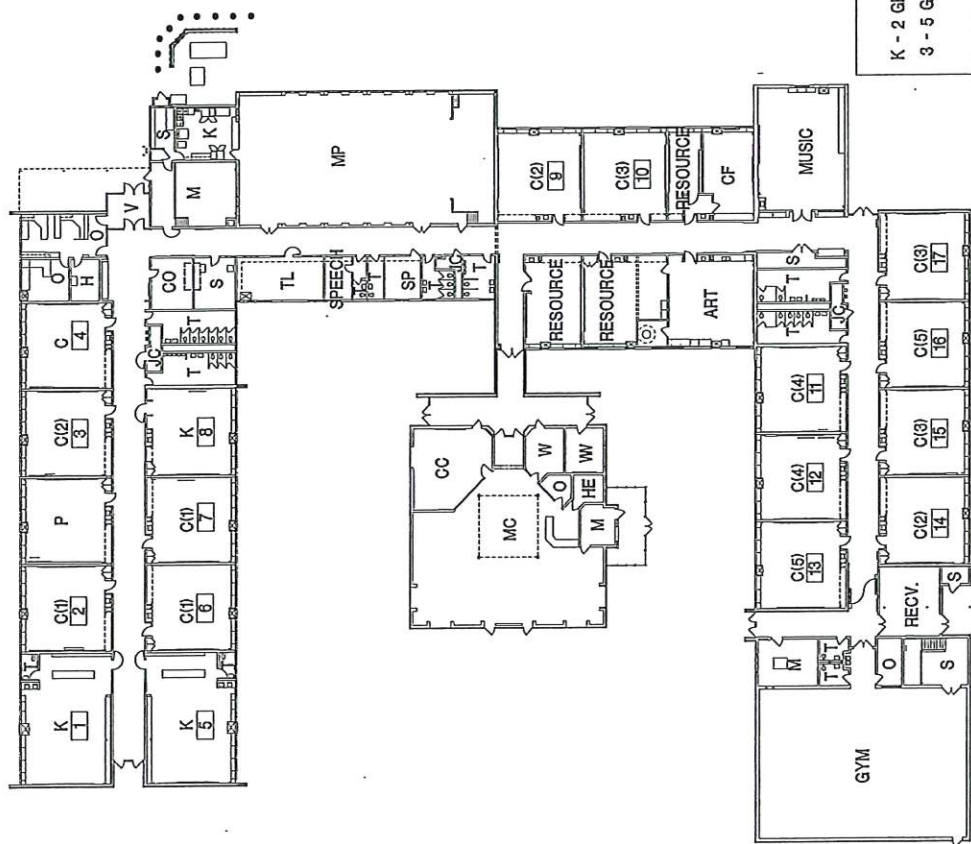
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 367

Utilization Percentage 98%

(Projected 5-Year Enrollment / Total Capacity)

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



K - 2 GRADE - 10 TEACHING STATIONS

N
GUEST ELEMENTARY SCHOOL

WALLED LAKE CONSOLIDATED SCHOOLS

WY NEED TO TAKE CONSIDERED SCHOOLS

GUEST ELEMENTARY SCHOOL

JANUARY 2019

Project Sheet

Hickory Woods Elementary School

Project No. [n]

5

Description of Proposal/Series 1	Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Rework Soffits at Unitvent Replacement; Replace Roof; Replace interior ceilings; Upgrade Classroom Casework; Restroom Upgrades; Energy Management System Replacement; Provide backflow preventer; Replace boilers; Replace Unitvents; Replace exhaust fans; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED; Replace Emergency Generator
Description of Proposal/Series 2	
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Paving Upgrades; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	4,638,119	0	0	4,638,119
Construction Contingency	883,688	0	0	883,688
Instructional Technology	49,204	0	0	49,204
Loose Furn and Equip	1,016,767	0	0	1,016,767
Buses	0	0	0	0
Site Work	1,321,051	0	0	1,321,051
Site Acquisition	0	0	0	0
A/E Fees and Costs	479,000	0	0	479,000
CM Fees and Costs	249,798	0	0	249,798
Estimated Costs	8,637,628	0	0	8,637,628

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	1/9/2019 Date	TMP Architecture, Inc. 31181 Firm Name and License Number
--	------------------	--

Stephen E. Smith AIA	ssmith@tmparchitecture.com	248-338-4561
Printed Name	E-mail Address	Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Hickory Woods Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section	sqft	0	\$250.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Paving Upgrades	lpsm	1	\$1,000,000	\$1,000,000
Install LED Parking Lot Lights	each	15	\$9,500	\$142,500
Total Sitework				\$1,214,878
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,300	\$18.75	\$80,625
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Rework Soffits at Unitvent Replacement	each	36	\$5,000.00	\$180,000
Replace Roof	sqft	75,800	\$14.00	\$1,061,200
Replace interior ceilings	sqft	60,000	\$5.00	\$300,000
Upgrade Classroom Casework	room	31	\$8,500.00	\$263,500
Restroom Upgrades	each	4	\$100,000	\$400,000
Total Renovation Work				\$2,395,325
<u>Mechanical Work</u>				
Energy Management System - update complete system	sqft	75,800	\$4.00	\$303,200
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	6	\$65,000	\$390,000
Replace Unitvents	each	36	\$25,000	\$900,000
Replace exhaust fans	each	10	\$850	\$8,500
Total Mechanical Work				\$1,606,700
<u>Electrical</u>				
Upgrade existing outlets to tamper proof	sqft	75,800	\$2.35	\$178,130
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Replace Emergency Generator	each	1	\$75,000	\$75,000
Total Electrical				\$263,330
Total Cost		75,800		\$5,480,233
General Conditions	7.50%			\$411,017
Subtotal				\$5,891,251
Estimating Contingency	10.00%			\$589,125
Project Contingency	5.00%			\$294,563
Total Direct Costs				\$6,774,938
Testing	0.50%			\$33,875
Utility Permits & Fees				\$0
Subtotal				\$6,808,813
Permits	0.50%			\$34,044
Subtotal				\$6,842,857
A/E Fees & Reimbursables	7.00%			\$479,000
CM Fees	3.10%			\$212,129
Subtotal				\$7,533,986
Insurance Program	0.50%			\$37,670
Subtotal				\$7,571,656
Fixtures Furnishings & Equipment				\$834,069
Furnishings				\$40,000
Equipment				\$142,698
Non Instructional Tech				\$49,204
Instructional Technology				
TOTAL COSTS			\$113.95	\$8,637,628



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Hickory Woods Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$4,638,118.90
Construction Contingencies				\$883,687.61
Instructional Technology				\$49,204.49
Loose Furnishing/Equipment				\$1,016,767.41
Buses				\$0.00
Site Work				\$1,321,050.62
Site Acquisition				\$0.00
Architectural Fees and Costs				\$479,000.00
CM Fees and Costs				\$249,798.50
TOTAL COSTS				\$8,637,628

Building Utilization

Hickory Woods Elementary School

Project No. [n] 5

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

1. List the number of teaching station 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	12	20	240
(3-5) Upper Elementary	13	25	325
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	25		565
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	25		565

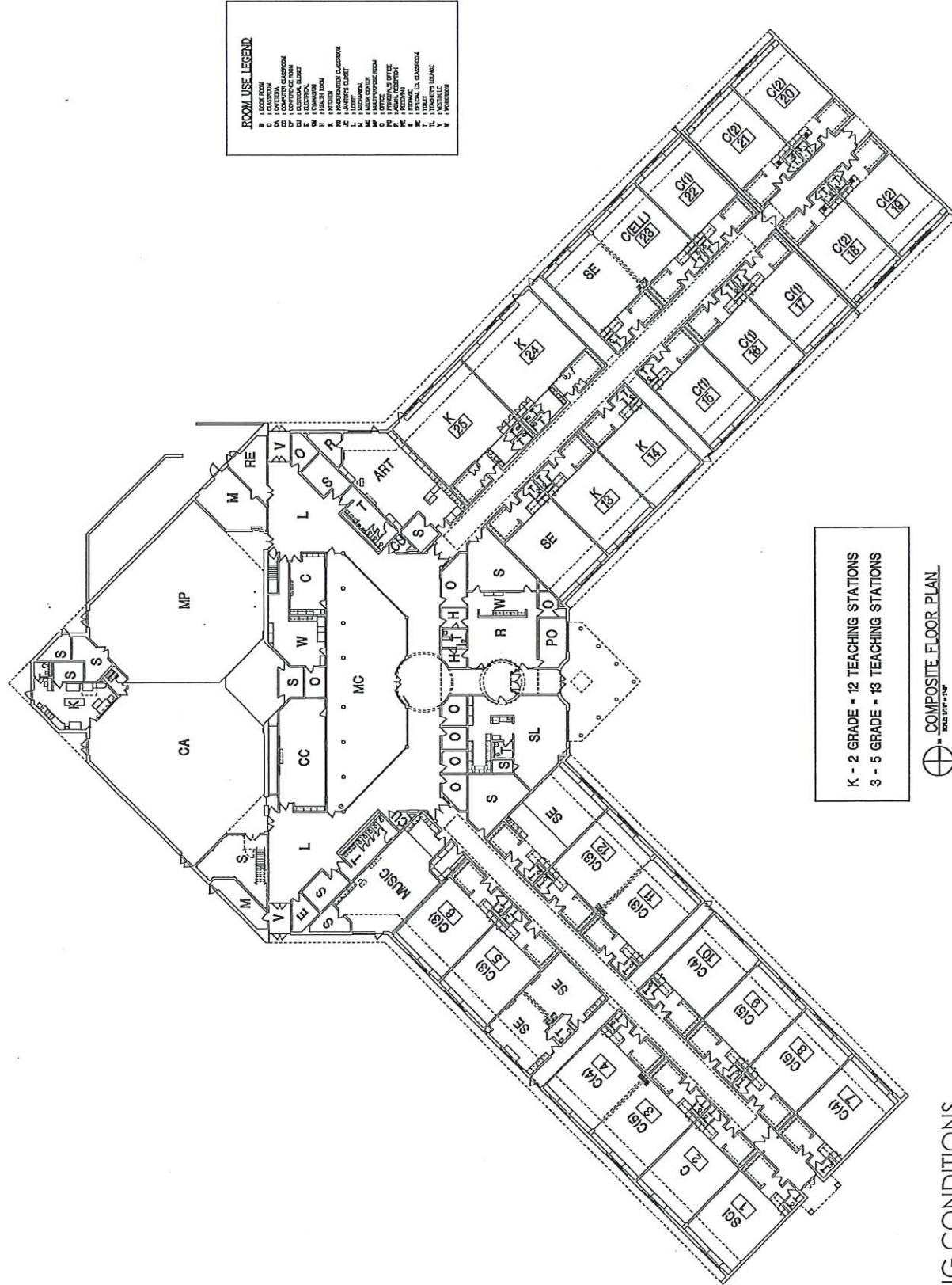
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 574

Utilization Percentage 102%

(Projected 5-Year Enrollment / Total Capacity)

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



EXISTING CONDITIONS

WALLED LAKE CONSOLIDATED SCHOOLS

HICKORY WOODS ELEMENTARY SCHOOL

JANUARY 2019



Project Sheet

Keith Elementary School

Project No. [n]

6

Description of Proposal/Series 1	Gym Addition; Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Enhance Exterior Canopy; Major Remodeling-Cafeteria; Upgrade Corridor walls for smoke rating; Exterior wall metal panel replacement; Replace windows; Replace Exterior Doors at Courtyards; Replace Roof; Replace interior ceilings; Upgrade Classroom Casework; Restroom Upgrades; Provide backflow preventer; Replace sewer line in mechanical room; Replace boilers; Replace AHU; Replace exhaust fans; Add Fire Suppression System; Upgrade Electrical Distribution - replace panels; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED
Description of Proposal/Series 2	
Description of Proposal/Series 3	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Instructional Technology Description	
Site Work Description	Upgrade Playground Equipment; Sitework for Additions

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	5,300	Cost per Sq Ft	223.55

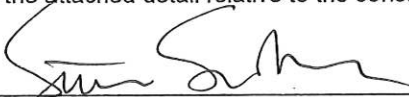
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	1,184,828	0	1,184,828
Remodeling	0	4,823,048	0	4,823,048
Construction Contingency	0	910,525	0	910,525
Instructional Technology	0	60,913	0	60,913
Loose Furn and Equip	0	911,829	0	911,829
Buses	0	0	0	0
Site Work	0	149,811	0	149,811
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	494,775	0	494,775
CM Fees and Costs	0	258,025	0	258,025
Estimated Costs	0	8,793,754	0	8,793,754

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 _____ Date 1/9/2019 Firm Name and License Number TMP Architecture, Inc. 31181

Stephen E. Smith AIA
Printed Name

ssmith@tmparchitecture.com
E-mail Address

248-338-4561
Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Keith Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
Gym Addition	sqft	5,300	\$205.00	\$1,086,500
Total New Construction				\$1,086,500
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Sitework for Additions	lpsm	1	\$65,000	\$65,000
Total Sitework				\$137,378
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,300	\$18.75	\$80,625
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Enhance Exterior Canopy	each	1	\$180,000.00	\$180,000
Major Remodeling- Cafeteria	sqft	6,916	\$95.00	\$657,020
Upgrade Corridor walls for smoke rating	lnft	2,300	\$110.00	\$253,000
Exterior wall metal panel replacement	sqft	4,500	\$35.00	\$157,500
Replace windows	sqft	2,800	\$85.00	\$238,000
Replace Exterior Doors at Courtyards	each	6	\$3,500.00	\$21,000
Replace Roof	sqft	53,145	\$14.00	\$744,030
Replace interior ceilings	sqft	53,145	\$5.00	\$265,725
Upgrade Classroom Casework	room	30	\$8,500.00	\$255,000
Restroom Upgrades	each	4	\$100,000	\$400,000
Total Renovation Work				\$3,361,900
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace sewer line in mechanical room	lpsm	1	\$10,000	\$10,000
Replace boilers	each	4	\$90,000	\$360,000
Replace AHU	lpsm	1	\$250,000	\$250,000
Replace exhaust fans	each	10	\$850	\$8,500
Add Fire Suppression System	sqft	53,145	\$4.00	\$212,580
Total Mechanical Work				\$846,080
<u>Electrical</u>				
Upgrade Electrical Distribution - replace panels	sqft	53,145	\$1.50	\$79,718
Upgrade existing outlets to tamper proof	sqft	53,145	\$2.35	\$124,891
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Total Electrical				\$214,808
Total Cost		58,445		\$5,646,667
General Conditions	7.50%			\$423,500
Subtotal				\$6,070,167
Estimating Contingency	10.00%			\$607,017
Project Contingency	5.00%			\$303,508
Total Direct Costs				\$6,980,691
Testing	0.50%			\$34,903
Utility Permits & Fees				\$0
Subtotal				\$7,015,595
Permits	0.75%			\$52,617
Subtotal				\$7,068,212
A/E Fees & Reimbursables	7.00%			\$494,775
CM Fees	3.10%			\$219,115
Subtotal				\$7,782,101
Insurance Program	0.50%			\$38,911
Subtotal				\$7,821,012
Fixtures Furnishings & Equipment				\$727,992
Furnishings				\$40,000
Equipment				\$143,837
Non Instructional Tech				\$60,913
Instructional Technology				

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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Keith Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
TOTAL BOND COSTS			\$150.46	\$8,793,754

New Construction	sqft	5,300	\$223.55	\$1,184,827.69
Remodeling				\$4,823,048.31
Construction Contingencies				\$910,524.98
Instructional Technology				\$60,912.78
Loose Furnishing/Equipment				\$911,829.20
Buses				\$0.00
Site Work				\$149,810.93
Site Acquisition				\$0.00
Architectural Fees and Costs				\$494,774.83
CM Fees and Costs				\$258,025.08
TOTAL COSTS				\$8,793,754

Building Utilization

Keith Elementary School

Project No. [n] 6

Current Grade Structure K-5

Proposed Grade Structure K-5

1. List the number of teaching station 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	12	20	240
(3-5) Upper Elementary	12	25	300
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	24		540

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

Total	24		540
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Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	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 621

Utilization Percentage 115%

(Projected 5-Year Enrollment / Total Capacity)

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

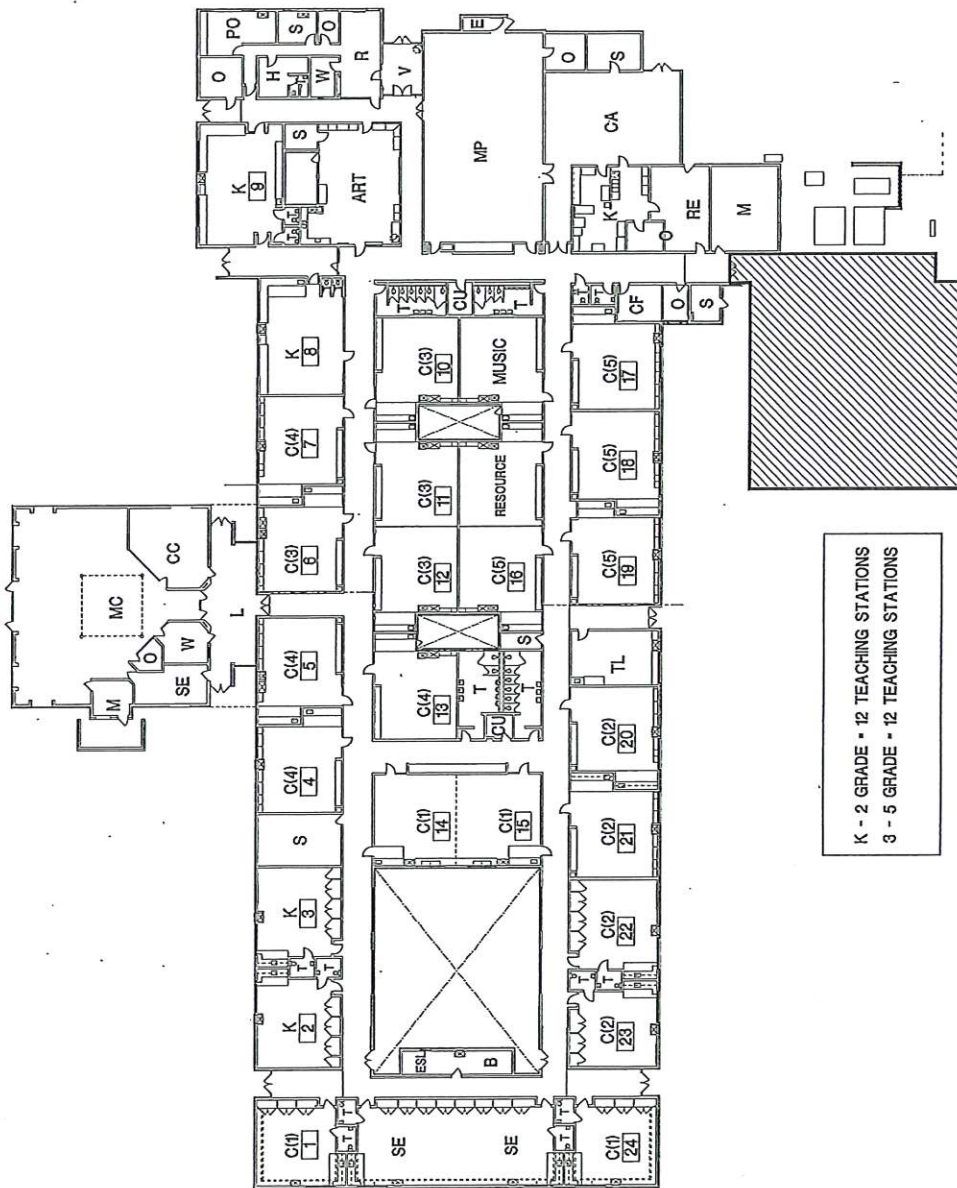
JANUARY 2019

COMPOSITE FLOOR PLAN
SCALE: 1/8" = 1'-0"

EXISTING CONDITIONS WALLED LAKE CONSOLIDATED SCHOOLS KEITH ELEMENTARY SCHOOL

ROOM USE LEGEND

1	1000 ROOM
2	CLASROOM
3	CLASROOM
4	CLASROOM
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100	CLASROOM



K - 2 GRADE - 12 TEACHING STATIONS
3 - 5 GRADE - 12 TEACHING STATIONS

Project Sheet

Loon Lake Elementary School

Project No. [n]

7

Description of Proposal/Series 1	
Description of Proposal/Series 2	Gym Addition; Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Enhance Exterior Canopy; Major Remodeling-Cafeteria; Upgrade Corridor walls for smoke rating; Exterior wall metal panel replacement; Replace windows; Replace Exterior Doors at Courtyards; Replace Roof; Replace interior ceilings; Replace carpet/VCT; Upgrade Classroom Casework; Restroom Upgrades; Provide backflow preventer; Replace boilers; Replace AHU; Replace exhaust fans; Add Fire Suppression System; Upgrade Electrical Distribution - replace panels; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Paving Upgrades; Install LED Parking Lot Lights; Sitework for Additions

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	6,100	Cost per Sq Ft	222.92

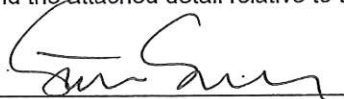
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	1,359,785	0	1,359,785
Remodeling	0	4,594,292	0	4,594,292
Construction Contingency	0	1,008,688	0	1,008,688
Instructional Technology	0	49,204	0	49,204
Loose Furn and Equip	0	853,893	0	853,893
Buses	0	0	0	0
Site Work	0	848,034	0	848,034
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	546,756	0	546,756
CM Fees and Costs	0	285,133	0	285,133
Estimated Costs	0	9,545,786	0	9,545,786

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 _____ Date 1/9/2019 Firm Name and License Number TMP Architecture, Inc. 31181

Stephen E. Smith AIA
Printed Name

ssmith@tmparchitecture.com
E-mail Address

248-338-4561
Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Loon Lake Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
Gym Addition	sqft	6,100	\$205.00	\$1,250,500
Total New Construction				\$1,250,500
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Paving upgrades	lpsm	1	\$500,000	\$500,000
Install LED Parking Lot Lights	each	15	\$9,500.00	\$142,500
Sitework for Additions	lpsm	1	\$65,000	\$65,000
Total Sitework				\$779,878
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,300	\$18.75	\$80,625
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Enhance Exterior Canopy	each	1	\$180,000.00	\$180,000
Major Remodeling- Cafeteria	sqft	4,400	\$95.00	\$418,000
Upgrade Corridor walls for smoke rating	lnft	1,800	\$110.00	\$198,000
Exterior wall metal panel replacement	sqft	4,500	\$35.00	\$157,500
Replace windows	sqft	2,800	\$85.00	\$238,000
Replace Exterior Doors at Courtyards	each	6	\$3,500.00	\$21,000
Replace Roof	sqft	48,500	\$14.00	\$679,000
Replace interior ceilings	sqft	48,500	\$5.00	\$242,500
Replace carpet / VCT	sqft	33,000	\$7.00	\$231,000
Upgrade Classroom Casework	room	30	\$8,500.00	\$255,000
Restroom Upgrades	each	4	\$100,000	\$400,000
Total Renovation Work				\$3,210,625
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	4	\$90,000	\$360,000
Replace AHU	lpsm	1	\$250,000	\$250,000
Replace exhaust fans	each	10	\$850	\$8,500
Add Fire Suppression System	sqft	48,500	\$4.00	\$194,000
				\$0
Total Mechanical Work				\$817,500
<u>Electrical</u>				
Upgrade Electrical Distribution - replace panels	sqft	48,500	\$1.50	\$72,750
Upgrade existing outlets to tamper proof	sqft	48,500	\$2.35	\$113,975
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Total Electrical				\$196,925
Total Cost		48,500		\$6,255,428
General Conditions	7.50%			\$469,157
Subtotal				\$6,724,585
Estimating Contingency	10.00%			\$672,459
Project Contingency	5.00%			\$336,229
Total Direct Costs				\$7,733,273
Testing	0.50%			\$38,666
Utility Permits & Fees				\$0
Subtotal				\$7,771,940
Permits	0.50%			\$38,860
Subtotal				\$7,810,799
A/E Fees & Reimbursables	7.00%			\$546,756
CM Fees	3.10%			\$242,135
Subtotal				\$8,599,690
Insurance Program	0.50%			\$42,998
Subtotal				\$8,642,688
Fixtures Furnishings & Equipment				

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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Loon Lake Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
Furnishings				\$669,195
Equipment				\$40,000
Non Instructional Tech				\$144,698
Instructional Technology				\$49,204
TOTAL COSTS			\$196.82	\$9,545,786

New Construction	sqft	6,100	\$222.92	\$1,359,785.45
Remodeling				\$4,594,291.51
Construction Contingencies				\$1,008,687.81
Instructional Technology				\$49,204.49
Loose Furnishing/Equipment				\$853,893.25
Buses				\$0.00
Site Work				\$848,034.49
Site Acquisition				\$0.00
Architectural Fees and Costs				\$546,755.95
CM Fees and Costs				\$285,133.23
TOTAL COSTS				\$9,545,786

Building Utilization

Loon Lake Elementary School

Project No. [n] 7

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

1. List the number of teaching station 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, c 0.00
6. Number the teaching stations in consecutive order.

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	10	20	200
(3-5) Upper Elementary	10	25	250
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	20		450

#DIV/0!

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

Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	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

Total 20 450

Projected 5-Year Enrollment 486

Utilization Percentage 108%

(Projected 5-Year Enrollment / Total Capacity)

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

Project Sheet

Meadowbrook Elementary School

Project No. [n]

8

Description of Proposal/Series 1	
Description of Proposal/Series 2	Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Replace interior ceiling tile; Replace carpet/VTC; Upgrade Classroom Casework; Restroom Upgrades; Provide backflow preventer; Replace boilers; Replace exhaust fans; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED; Replace Emergency Generator
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	0	2,261,099	0	2,261,099
Construction Contingency	0	369,948	0	369,948
Instructional Technology	0	49,204	0	49,204
Loose Furn and Equip	0	975,549	0	975,549
Buses	0	0	0	0
Site Work	0	233,657	0	233,657
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	200,529	0	200,529
CM Fees and Costs	0	104,576	0	104,576
Estimated Costs	0	4,194,563	0	4,194,563

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.


 1/9/2019
 TMP Architecture, Inc.
 31181

Signature
 Date
 Firm Name and License Number

Stephen E. Smith AIA
 ssmith@tmparchitecture.com
 248-338-4561

Printed Name
 E-mail Address
 Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Meadowbrook Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section	sqft	0	\$250.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Install LED Parking Lot Lights	each	15	\$9,500	\$142,500
Total Sitework				\$214,878
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,300	\$18.75	\$80,625
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Replace interior ceiling tile	sqft	60,000	\$3.00	\$180,000
Replace carpet / VCT	sqft	55,000	\$7.00	\$385,000
Upgrade Classroom Casework	room	31	\$8,500.00	\$263,500
Restroom Upgrades	each	4	\$100,000	\$400,000
Total Renovation Work				\$1,419,125
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	6	\$65,000	\$390,000
Replace exhaust fans	each	10	\$850	\$8,500
Total Mechanical Work				\$403,500
<u>Electrical</u>				
Upgrade existing outlets to tamper proof	sqft	73,000	\$2.35	\$171,550
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Replace Emergency Generator	each	1	\$75,000	\$75,000
Total Electrical				\$256,750
Total Cost		73,000		\$2,294,253
General Conditions	7.50%			\$172,069
Subtotal				\$2,466,322
Estimating Contingency	10.00%			\$246,632
Project Contingency	5.00%			\$123,316
Total Direct Costs				\$2,836,271
Testing	0.50%			\$14,181
Utility Permits & Fees				\$0
Subtotal				\$2,850,452
Permits	0.50%			\$14,252
Subtotal				\$2,864,704
A/E Fees & Reimbursables	7.00%			\$200,529
CM Fees	3.10%			\$88,806
Subtotal				\$3,154,039
Insurance Program	0.50%			\$15,770
Subtotal				\$3,169,810
Fixtures Furnishings & Equipment				\$792,851
Furnishings				\$40,000
Equipment				\$142,698
Non Instructional Tech				\$49,204
Instructional Technology				
TOTAL COSTS			\$57.46	\$4,194,563



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Meadowbrook Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$2,261,098.66
Construction Contingencies				\$369,948.34
Instructional Technology				\$49,204.49
Loose Furnishing/Equipment				\$975,548.87
Buses				\$0.00
Site Work				\$233,657.21
Site Acquisition				\$0.00
Architectural Fees and Costs				\$200,529.30
CM Fees and Costs				\$104,576.03
TOTAL COSTS				\$4,194,563

Building Utilization

Meadowbrook Elementary School

Project No. [n] 8

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

1. List the number of teaching station 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	12	20	240
(3-5) Upper Elementary	12	25	300
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	24		540
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	24		540

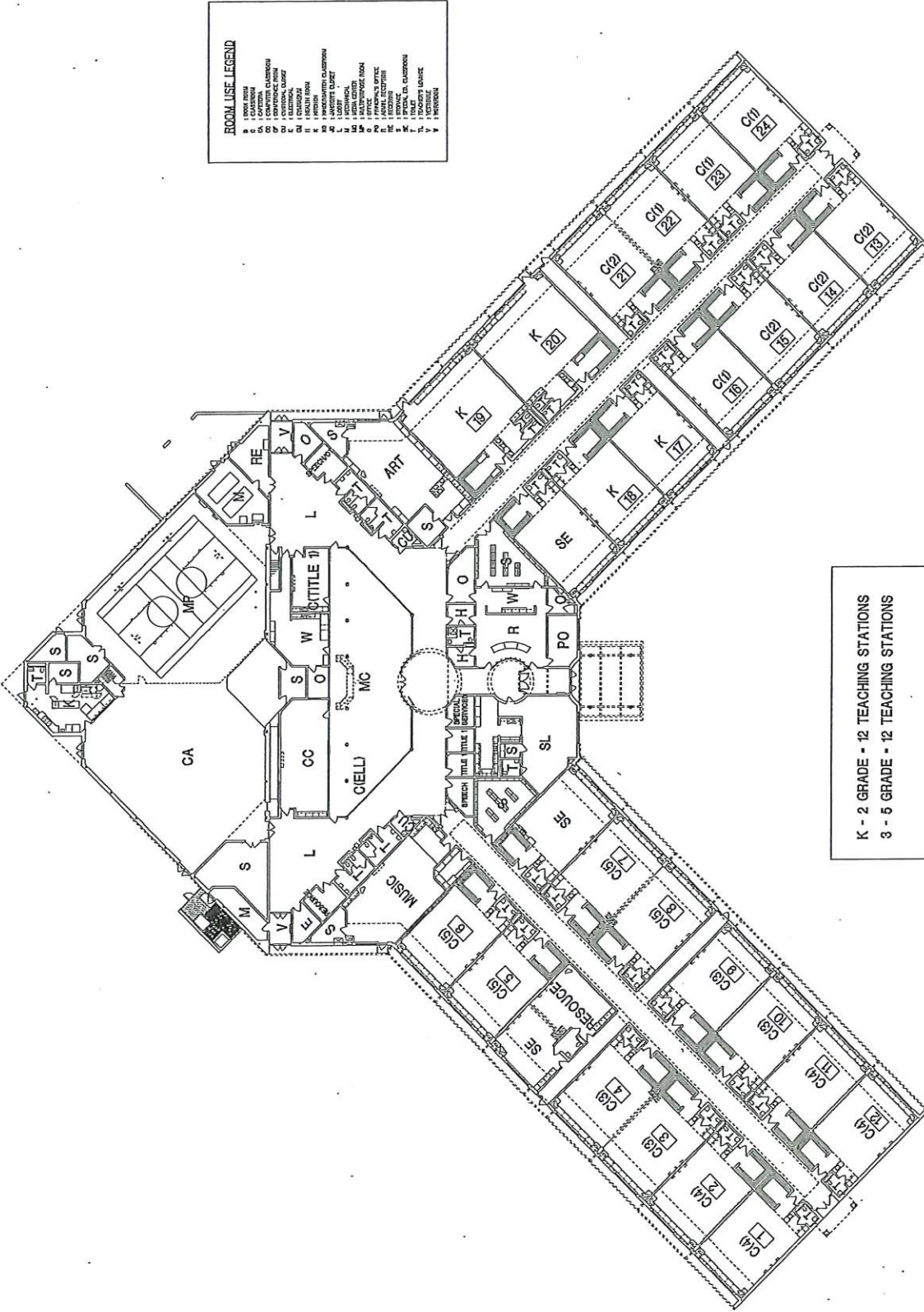
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 589.0

Utilization Percentage 109%

(Projected 5-Year Enrollment / Total Capacity)

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



MEADOWBROOK ELEMENTARY SCHOOL

EXISTING CONDITIONS

WALLED LAKE CONSOLIDATED SCHOOLS

MEADOWBROOK ELEMENTARY SCHOOL

JANUARY 2019



Project Sheet

Oakley Park Elementary School

Project No. [n]

9

Description of Proposal/Series 1	Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Enhance Exterior Canopy; Major Remodeling- Cafeteria; Upgrade Corridor walls for smoke rating; Replace EIFS Siding- Multi Purpose Gable; Exterior wall metal panel replacement; Replace windows; Replace Exterior Doors are Courtyards; Replace Roof; Replace interior ceilings; Replace carpet/VCT; Upgrade Classroom Casework; Restroom Upgrades; Provide backflow preventer; Replace boilers; Replace AHU; Replace exhaust fans; Add Fire Suppression System; Upgrade Electrical Distribution - replace panels; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED
Description of Proposal/Series 2	
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Paving Upgrades; Install LED Parking Lot Lights; Sitework for Additions

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	6,100	Cost per Sq Ft	222.92

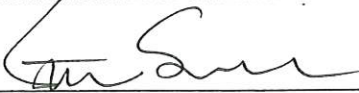
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	1,359,785	0	1,359,785
Remodeling	0	4,737,447	0	4,737,447
Construction Contingency	0	1,042,010	0	1,042,010
Instructional Technology	0	49,204	0	49,204
Loose Furn and Equip	0	839,697	0	839,697
Buses	0	0	0	0
Site Work	0	929,589	0	929,589
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	564,818	0	564,818
CM Fees and Costs	0	294,553	0	294,553
Estimated Costs	0	9,817,104	0	9,817,104

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

1/9/2019
Date

TMP Architecture, Inc. 31181
Firm Name and License Number

Stephen E. Smith AIA
Printed Name

ssmith@tmparchitecture.com
E-mail Address

248-338-4561
Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Oakley Park Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
Gym Addition	sqft	6,100	\$205.00	\$1,250,500
Total New Construction				\$1,250,500
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Paving upgrades	lpsm	1	\$575,000	\$575,000
Install LED Parking Lot Lights	each	15	\$9,500.00	\$142,500
Sitework for Additions	lpsm	1	\$65,000	\$65,000
Total Sitework				\$854,878
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,300	\$18.75	\$80,625
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Enhance Exterior Canopy	each	1	\$180,000.00	\$180,000
Major Remodeling- Cafeteria	sqft	4,400	\$95.00	\$418,000
Upgrade Corridor walls for smoke rating	lnft	1,800	\$110.00	\$198,000
Replace EIFS Siding - Multipurpose Room Gable	sqft	1,000	\$50.00	\$50,000
Exterior wall metal panel replacement	sqft	2,400	\$35.00	\$84,000
Replace windows	sqft	2,000	\$85.00	\$170,000
Replace Exterior Doors at Courtyards	each	6	\$3,500.00	\$21,000
Replace Roof	sqft	47,500	\$14.00	\$665,000
Replace interior ceilings	sqft	47,500	\$5.00	\$237,500
Replace carpet / VCT	sqft	33,000	\$7.00	\$231,000
Upgrade Classroom Casework	room	30	\$8,500.00	\$255,000
Restroom Upgrades	each	4	\$100,000	\$400,000
Total Renovation Work				\$3,100,125
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	4	\$90,000	\$360,000
Replace AHU	lpsm	1	\$500,000	\$500,000
Replace exhaust fans	each	10	\$850	\$8,500
Add Fire Suppression System	sqft	47,500	\$4.00	\$190,000
Total Mechanical Work				\$1,063,500
<u>Electrical</u>				
Upgrade Electrical Distribution - replace panels	sqft	47,500	\$1.50	\$71,250
Upgrade existing outlets to tamper proof	sqft	47,500	\$2.35	\$111,625
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Total Electrical				\$193,075
Total Cost		47,500		\$6,462,078
General Conditions	7.50%			\$484,656
Subtotal				\$6,946,734
Estimating Contingency	10.00%			\$694,673
Project Contingency	5.00%			\$347,337
Total Direct Costs				\$7,988,744
Testing	0.50%			\$39,944
Utility Permits & Fees				\$0
Subtotal				\$8,028,688
Permits	0.50%			\$40,143
Subtotal				\$8,068,831
A/E Fees & Reimbursables	7.00%			\$564,818
CM Fees	3.10%			\$250,134
Subtotal				\$8,883,783
Insurance Program	0.50%			\$44,419
Subtotal				\$8,928,202
Fixtures Furnishings & Equipment Furnishings				\$655,860

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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Oakley Park Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of		Unit Cost	Total Cost
	Meas.	Quan.		
Equipment				\$40,000
Non Instructional Tech				\$143,837
Instructional Technology				\$49,204
TOTAL COSTS			\$206.68	\$9,817,104

New Construction	sqft	6,100	\$222.92	\$1,359,785.45
Remodeling				\$4,737,446.85
Construction Contingencies				\$1,042,010.12
Instructional Technology				\$49,204.49
Loose Furnishing/Equipment				\$839,696.75
Buses				\$0.00
Site Work				\$929,588.99
Site Acquisition				\$0.00
Architectural Fees and Costs				\$564,818.20
CM Fees and Costs				\$294,552.69
TOTAL COSTS				\$9,817,104

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Building Utilization

Oakley Park Elementary School

Project No. [n] 9

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

1. List the number of teaching station 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	7	20	140
(3-5) Upper Elementary	8	25	200
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	15		340
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	15		340

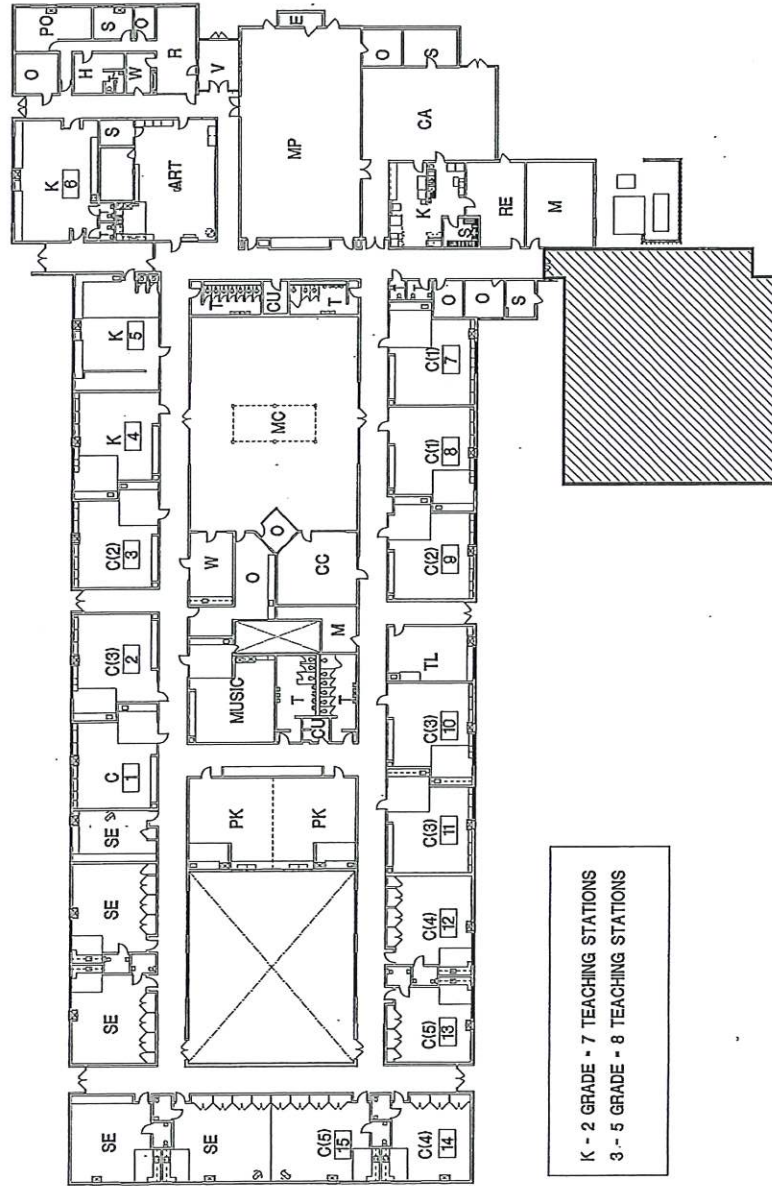
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 363.0

Utilization Percentage 107%

(Projected 5-Year Enrollment / Total Capacity)

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



K - 2 GRADE - 7 TEACHING STATIONS

 OAKLEY PARK ELEMENTARY SCHOOL

EXISTING CONDITIONS

WALLED LAKE CONSOLIDATED SCHOOLS

OAKLEY PARK ELEMENTARY SCHOOL

ROOM USE LEGEND

B	BOOK ROOM	K	KITCHEN
C	CLOSET	KL	LABORATORY
CA	CAMPUS CLASSROOM	L	LOBBY
CC	COMPUTER CLASSROOM	MC	MEDICAL CENTER
CD	CONFERENCE ROOM	MR	MUSIC REHEARSAL ROOM
CU	CUSTOMER CLOSET	PS	PERSONAL SERVICE
CE	ELECTRONIC CLASSROOM	PO	POSTAL SERVICE
CM	CHANGING ROOM	R	REAR ALCOVE
CH	CHINA ROOM	S	STORAGE
CI	CLOTHING	DE	DEPT. ID. CLERK
CK	CLOCK ROOM	T	TOILET
KL	LABORATORY	TL	TOILETS LOUNGE
LD	LABORATORY	TR	TRAILER
LC	LABORATORY		

Project Sheet

Pleasant Lake Elementary School

Project No. [n]

10

Description of Proposal/Series 1	Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Replace Roof; Rework Soffits at Unitvent Replacement; Replace interior ceilings; Upgrade Classroom Casework; Restroom Upgrades; Provide backflow preventer; Replace boilers; Replace Unitvents; Replace exhaust fans; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED; Replace Emergency Generator
Description of Proposal/Series 2	
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Paving Upgrades; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	4,252,524	0	0	4,252,524
Construction Contingency	826,508	0	0	826,508
Instructional Technology	55,059	0	0	55,059
Loose Furn and Equip	975,549	0	0	975,549
Buses	0	0	0	0
Site Work	1,321,051	0	0	1,321,051
Site Acquisition	0	0	0	0
A/E Fees and Costs	448,006	0	0	448,006
CM Fees and Costs	233,635	0	0	233,635
Estimated Costs	8,112,330	0	0	8,112,330

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	1/9/2019 Date	TMP Architecture, Inc. 31181 Firm Name and License Number
--	------------------	--

Stephen E. Smith AIA	ssmith@tmparchitecture.com	248-338-4561
Printed Name	E-mail Address	Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Pleasant Lake Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section			\$0.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Paving Upgrades	lpsm	1	\$1,000,000	\$1,000,000
Install LED Parking Lot Lights	each	15	\$9,500	\$142,500
Total Sitework				\$1,214,878
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,000	\$18.75	\$75,000
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Replace Roof	sqft	73,000	\$14.00	\$1,022,000
Rework Soffits at Unitvent Replacement	each	36	\$5,000.00	\$180,000
Replace interior ceilings	sqft	60,000	\$5.00	\$300,000
Upgrade Classroom Casework	room	31	\$8,500.00	\$263,500
Restroom Upgrades	each	4	\$100,000	\$400,000
Total Renovation Work				\$2,350,500
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	6	\$65,000	\$390,000
Replace Unitvents	each	36	\$25,000	\$900,000
Replace exhaust fans	each	10	\$850	\$8,500
Total Mechanical Work				\$1,303,500
<u>Electrical</u>				
Upgrade existing outlets to tamper proof	sqft	73,000	\$2.35	\$171,550
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Replace Emergency Generator	each	1	\$75,000	\$75,000
Total Electrical				\$256,750
Total Cost			73,000	\$5,125,628
General Conditions	7.50%			\$384,422
Subtotal				\$5,510,050
Estimating Contingency	10.00%			\$551,005
Project Contingency	5.00%			\$275,503
Total Direct Costs				\$6,336,558
Testing	0.50%			\$31,683
Utility Permits & Fees				\$0
Subtotal				\$6,368,241
Permits	0.50%			\$31,841
Subtotal				\$6,400,082
A/E Fees & Reimbursables	7.00%			\$448,006
CM Fees	3.10%			\$198,403
Subtotal				\$7,046,490
Insurance Program	0.50%			\$35,232
Subtotal				\$7,081,723
Fixtures Furnishings & Equipment				\$792,851
Furnishings				\$40,000
Equipment				\$142,698
Non Instructional Tech				\$55,059
Instructional Technology				
TOTAL COSTS			\$111.13	\$8,112,330

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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Pleasant Lake Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	1,500	\$0.00	\$0.00
Remodeling				\$4,252,523.76
Construction Contingencies				\$826,507.56
Instructional Technology				\$55,058.64
Loose Furnishing/Equipment				\$975,548.87
Buses				\$0.00
Site Work				\$1,321,050.62
Site Acquisition				\$0.00
Architectural Fees and Costs				\$448,005.74
CM Fees and Costs				\$233,634.99
TOTAL COSTS				\$8,112,330

Building Utilization

Pleasant Lake Elementary School

Project No. [n] 10

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

1. List the number of teaching station 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	12	20	240
(3-5) Upper Elementary	14	25	350
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	26		590
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	26		590

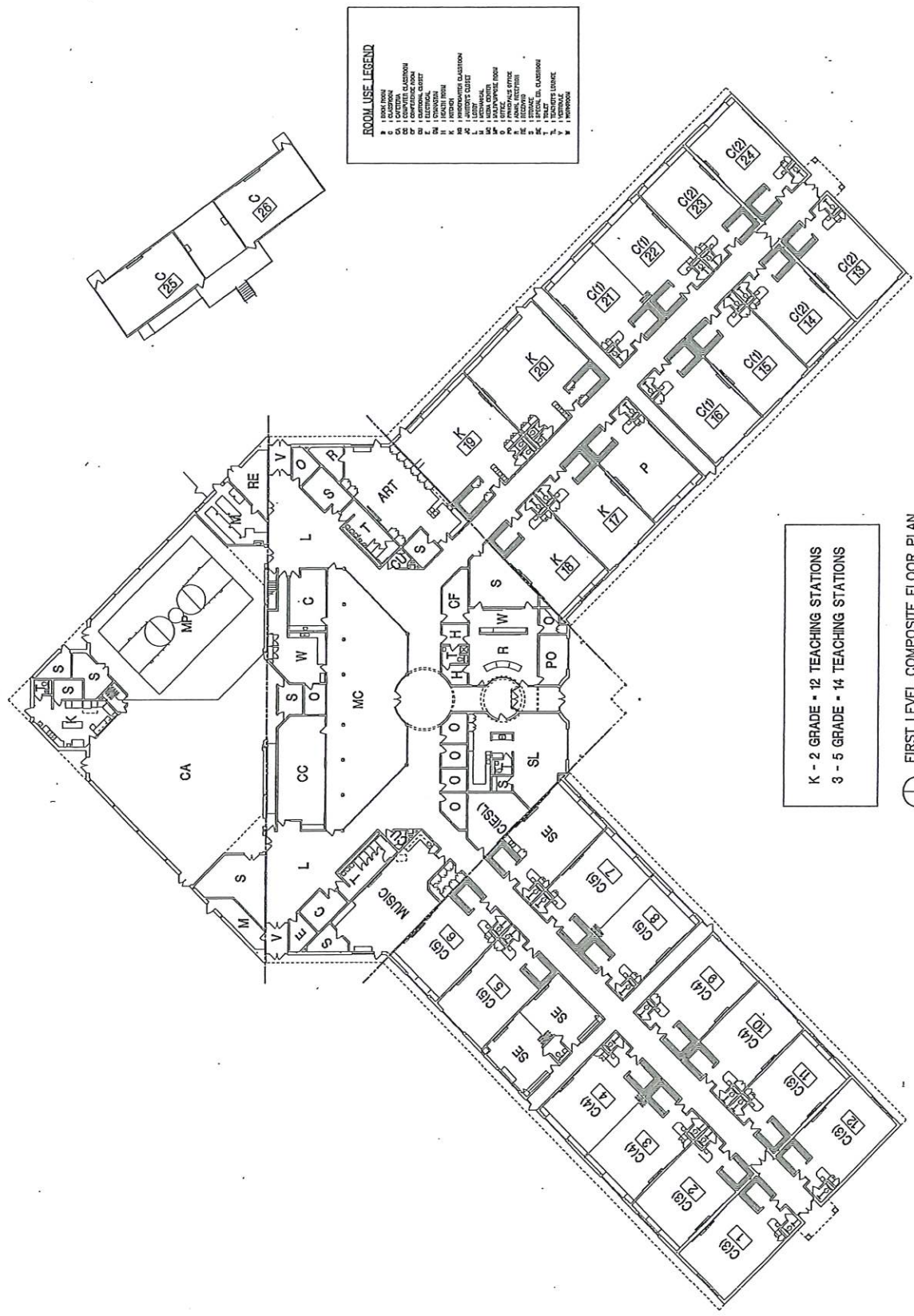
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 556.0

Utilization Percentage 94%

(Projected 5-Year Enrollment / Total Capacity)

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



Project Sheet

Walled Lake Elementary School
Project No. [n]
11

Description of Proposal/Series 1	Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Remodeling- Cafeteria; Upgrade Corridor walls for smoke rating; Replace EIFS Siding; Exterior wall metal panel replacement; Replace windows; Replace Exterior Doors at Courtyards; Replace Roof at Media Center; Replace interior ceilings; Replace carpet/VCT; Upgrade Classroom Casework; Restroom Upgrades; Upgrade Electrical Distribution - replace panels; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED
Description of Proposal/Series 2	
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Paving Upgrades; Install LED Parking Lot Lights; Sitework for Additions

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	4,083,751	0	0	4,083,751
Construction Contingency	704,730	0	0	704,730
Instructional Technology	52,132	0	0	52,132
Loose Furn and Equip	844,154	0	0	844,154
Buses	0	0	0	0
Site Work	668,615	0	0	668,615
Site Acquisition	0	0	0	0
A/E Fees and Costs	381,997	0	0	381,997
CM Fees and Costs	199,211	0	0	199,211
Estimated Costs	6,934,589	0	0	6,934,589

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.

	1/9/2019	TMP Architecture, Inc.	31181
Signature	Date	Firm Name and License Number	

Stephen E. Smith AIA
Printed Name

ssmith@tmparchitecture.com
E-mail Address

248-338-4561
Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT**
Walled Lake Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section		0	\$0.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Paving upgrades	lpsm	1	\$300,000	\$300,000
Install LED Parking Lot Lights	each	15	\$9,500.00	\$142,500
Sitework for Additions	lpsm	1	\$100,000	\$100,000
Total Sitework				\$614,878
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,300	\$18.75	\$80,625
Remodeling- Cafeteria	sqft	3,000	\$70.00	\$210,000
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Upgrade Corridor walls for smoke rating	lnft	1,200	\$110.00	\$132,000
Replace EIFS Siding	sqft	12,500	\$50.00	\$625,000
Exterior wall metal panel replacement	sqft	3,500	\$35.00	\$122,500
Replace windows	sqft	3,200	\$85.00	\$272,000
Replace Exterior Doors at Courtyards	each	6	\$3,500.00	\$21,000
Replace Roof at Media Center	sqft	4,300	\$8.00	\$34,400
Replace interior ceilings	sqft	45,083	\$5.00	\$225,415
Replace carpet / VCT	sqft	30,000	\$7.00	\$210,000
Upgrade Classroom Casework	room	30	\$8,500.00	\$255,000
Restroom Upgrades	each	4	\$100,000	\$400,000
Total Renovation Work				\$2,697,940
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	4	\$120,000	\$480,000
Replace AHU	lpsm	1	\$200,000	\$200,000
Replace exhaust fans	each	10	\$850	\$8,500
Add Fire Suppression System	sqft	45,083	\$4.00	\$180,332
Total Mechanical Work				\$873,832
<u>Electrical</u>				
Upgrade Electrical Distribution - replace panels	sqft	45,083	\$1.50	\$67,625
Upgrade existing outlets to tamper proof	sqft	45,083	\$2.35	\$105,945
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Total Electrical				\$183,770
Total Cost		45,083		\$4,370,420
General Conditions	7.50%			\$327,781
Subtotal				\$4,698,201
Estimating Contingency	10.00%			\$469,820
Project Contingency	5.00%			\$234,910
Total Direct Costs				\$5,402,932
Testing	0.50%			\$27,015
Utility Permits & Fees				\$0
Subtotal				\$5,429,946
Permits	0.50%			\$27,150
Subtotal				\$5,457,096
A/E Fees & Reimbursables	7.00%			\$381,997
CM Fees	3.10%			\$169,170
Subtotal				\$6,008,263
Insurance Program	0.50%			\$30,041
Subtotal				\$6,038,304
Fixtures Furnishings & Equipment				\$666,771
Furnishings				\$40,000
Equipment				\$40,000

1/9/2019
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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Walled Lake Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
Non Instructional Tech				\$137,383
Instructional Technology				\$52,132
TOTAL COSTS			\$153.82	\$6,934,589

New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$4,083,751.12
Construction Contingencies				\$704,730.20
Instructional Technology				\$52,131.56
Loose Furnishing/Equipment				\$844,153.68
Buses				\$0.00
Site Work				\$668,614.58
Site Acquisition				\$0.00
Architectural Fees and Costs				\$381,996.71
CM Fees and Costs				\$199,211.29
TOTAL COSTS				\$6,934,589

Building Utilization

Walled Lake Elementary School

Project No. [n] 11

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

1. List the number of teaching station 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.

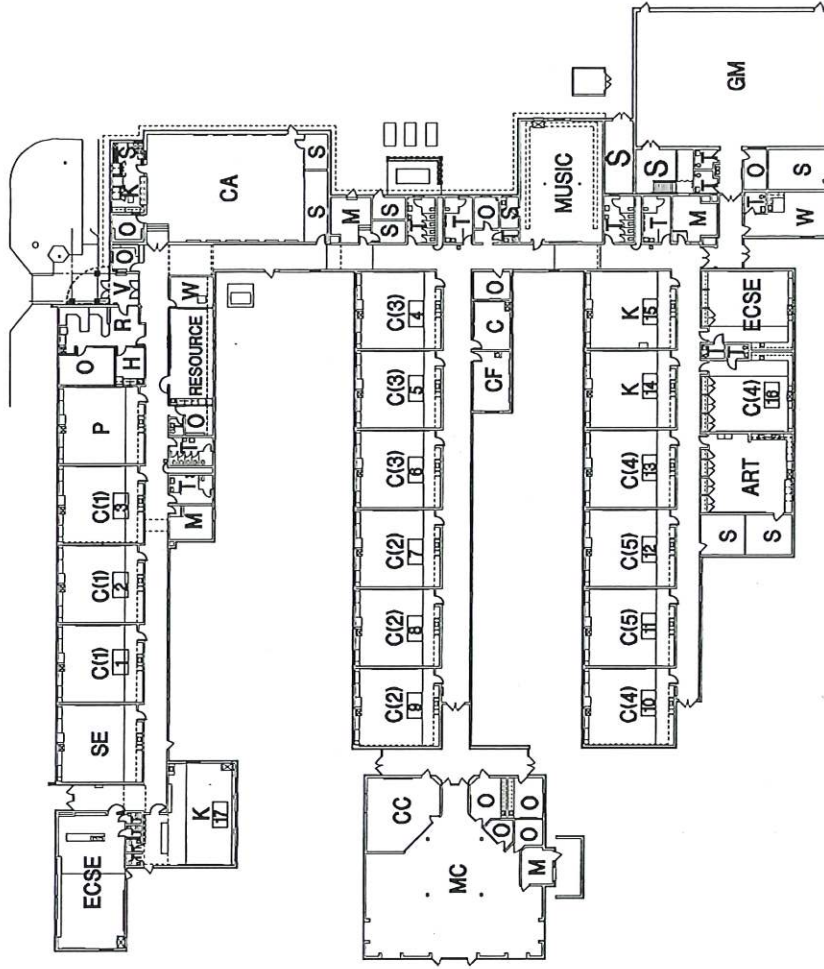
Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	9	20	180
(3-5) Upper Elementary	8	25	200
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	17		380
Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper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

Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	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 355.0

Utilization Percentage 93%
(Projected 5-Year Enrollment / Total Capacity)

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



K - 2 GRADE - 8 TEACHING STATIONS
3 - 5 GRADE - 8 TEACHING STATIONS

ROOM USE LEGEND

1	CLASS ROOM	1	STORAGE
2	OFFICE	2	STORAGE
3	OFFICE	3	STORAGE
4	OFFICE	4	STORAGE
5	OFFICE	5	STORAGE
6	OFFICE	6	STORAGE
7	OFFICE	7	STORAGE
8	OFFICE	8	STORAGE
9	OFFICE	9	STORAGE
10	OFFICE	10	STORAGE
11	OFFICE	11	STORAGE
12	OFFICE	12	STORAGE
13	OFFICE	13	STORAGE
14	OFFICE	14	STORAGE
15	OFFICE	15	STORAGE
16	OFFICE	16	STORAGE
17	OFFICE	17	STORAGE
18	OFFICE	18	STORAGE
19	OFFICE	19	STORAGE
20	OFFICE	20	STORAGE
21	OFFICE	21	STORAGE
22	OFFICE	22	STORAGE
23	OFFICE	23	STORAGE
24	OFFICE	24	STORAGE
25	OFFICE	25	STORAGE
26	OFFICE	26	STORAGE
27	OFFICE	27	STORAGE
28	OFFICE	28	STORAGE
29	OFFICE	29	STORAGE
30	OFFICE	30	STORAGE
31	OFFICE	31	STORAGE
32	OFFICE	32	STORAGE
33	OFFICE	33	STORAGE
34	OFFICE	34	STORAGE
35	OFFICE	35	STORAGE
36	OFFICE	36	STORAGE
37	OFFICE	37	STORAGE
38	OFFICE	38	STORAGE
39	OFFICE	39	STORAGE
40	OFFICE	40	STORAGE
41	OFFICE	41	STORAGE
42	OFFICE	42	STORAGE
43	OFFICE	43	STORAGE
44	OFFICE	44	STORAGE
45	OFFICE	45	STORAGE
46	OFFICE	46	STORAGE
47	OFFICE	47	STORAGE
48	OFFICE	48	STORAGE
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93	OFFICE	93	STORAGE
94	OFFICE	94	STORAGE
95	OFFICE	95	STORAGE
96	OFFICE	96	STORAGE
97	OFFICE	97	STORAGE
98	OFFICE	98	STORAGE
99	OFFICE	99	STORAGE
100	OFFICE	100	STORAGE

COMPOSITE FLOOR PLAN
JANUARY 2019



EXISTING CONDITIONS WALLED LAKE CONSOLIDATED SCHOOLS WALLED LAKE ELEMENTARY

Project Sheet

Wixom Elementary School

Project No. [n]

12

Description of Proposal/Series 1	Remodeling - Media Center/Learning Commons; Music Classroom Upgrades (Acoustical & Storage); Upgrade Corridor walls for smoke rating; Replace EIFS Siding; Exterior wall metal panel replacement; Replace windows; Replace Roof; Replace interior ceilings; Upgrade Classroom Casework; Restroom Upgrades; Energy Management System-complete replacement; Provide backflow preventer; Replace boilers; Replace AHU; Replace exhaust fans; Add Fire Suppression System; Upgrade Electrical Distribution - replace panels; Upgrade existing outlets to tamper proof; Replace Exterior Lights with LED
Description of Proposal/Series 2	
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	4,912,728	0	0	4,912,728
Construction Contingency	763,160	0	0	763,160
Instructional Technology	57,986	0	0	57,986
Loose Furn and Equip	897,116	0	0	897,116
Buses	0	0	0	0
Site Work	233,657	0	0	233,657
Site Acquisition	0	0	0	0
A/E Fees and Costs	413,668	0	0	413,668
CM Fees and Costs	215,728	0	0	215,728
Estimated Costs	7,494,043	0	0	7,494,043

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.


 1/9/2019
 TMP Architecture, Inc.
 31181

Signature
 Date
 Firm Name and License Number

Stephen E. Smith AIA
 ssmith@tmparchitecture.com
 248-338-4561

Printed Name
 E-mail Address
 Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Wixom Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section	sqft	0	\$225.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$72,378.27	\$72,378
Install LED Parking Lot Lights	each	15	\$9,500.00	\$142,500
Total Sitework				\$214,878
<u>Renovation Work</u>				
Remodeling- Media Center / Learning Commons	sqft	4,300	\$18.75	\$80,625
Music Classroom Upgrades (Acoustical & Storage)	each	1	\$110,000	\$110,000
Upgrade Corridor walls for smoke rating	lnft	1,600	\$110.00	\$176,000
Replace EIFS Siding	sqft	10,000	\$50.00	\$500,000
Exterior wall metal panel replacement	sqft	3,500	\$35.00	\$122,500
Replace windows	sqft	3,200	\$85.00	\$272,000
Replace Roof	sqft	59,905	\$14.00	\$838,670
Replace interior ceilings	sqft	59,905	\$5.00	\$299,525
Upgrade Classroom Casework	room	30	\$8,500.00	\$255,000
Restroom Upgrades	each	4	\$100,000	\$400,000
Total Renovation Work				\$3,054,320
<u>Mechanical Work</u>				
Energy Management System - complete replacement	sqft	59,905	\$4.00	\$239,620
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	6	\$80,000	\$480,000
Replace AHU	lpsm	1	\$250,000	\$250,000
Replace exhaust fans	each	10	\$850	\$8,500
Add Fire Suppression System	sqft	59,905	\$4.00	\$239,620
Total Mechanical Work				\$1,222,740
<u>Electrical</u>				
Upgrade Electrical Distribution - replace panels	sqft	59,905	\$1.50	\$89,858
Upgrade existing outlets to tamper proof	sqft	59,905	\$2.35	\$140,777
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Total Electrical				\$240,834
Total Cost		59,905		\$4,732,773
General Conditions	7.50%			\$354,958
Subtotal				\$5,087,730
Estimating Contingency	10.00%			\$508,773
Project Contingency	5.00%			\$254,387
Total Direct Costs				\$5,850,890
Testing	0.50%			\$29,254
Utility Permits & Fees				\$0
Subtotal				\$5,880,144
Permits	0.50%			\$29,401
Subtotal				\$5,909,545
A/E Fees & Reimbursables	7.00%			\$413,668
CM Fees	3.10%			\$183,196
Subtotal				\$6,506,409
Insurance Program	0.50%			\$32,532
Subtotal				\$6,538,941
Fixtures Furnishings & Equipment				
Furnishings				\$720,112
Equipment				\$40,000
Non Instructional Tech				\$137,004
Instructional Technology				\$57,986
TOTAL COSTS			\$125.10	\$7,494,043

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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Wixom Elementary
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of		Unit Cost	Total Cost
	Meas.	Quan.		
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$4,912,728.42
Construction Contingencies				\$763,159.57
Instructional Technology				\$57,985.71
Loose Furnishing/Equipment				\$897,115.69
Buses				\$0.00
Site Work				\$233,657.21
Site Acquisition				\$0.00
Architectural Fees and Costs				\$413,668.16
CM Fees and Costs				\$215,727.95
TOTAL COSTS				\$7,494,043

Building Utilization

Wixom Elementary School

Project No. [n] 12

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

1. List the number of teaching station 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	10	20	200
(3-5) Upper Elementary	9	25	225
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	19		425
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	19		425

Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	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 423.3

Utilization Percentage 100%

(Projected 5-Year Enrollment / Total Capacity)

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

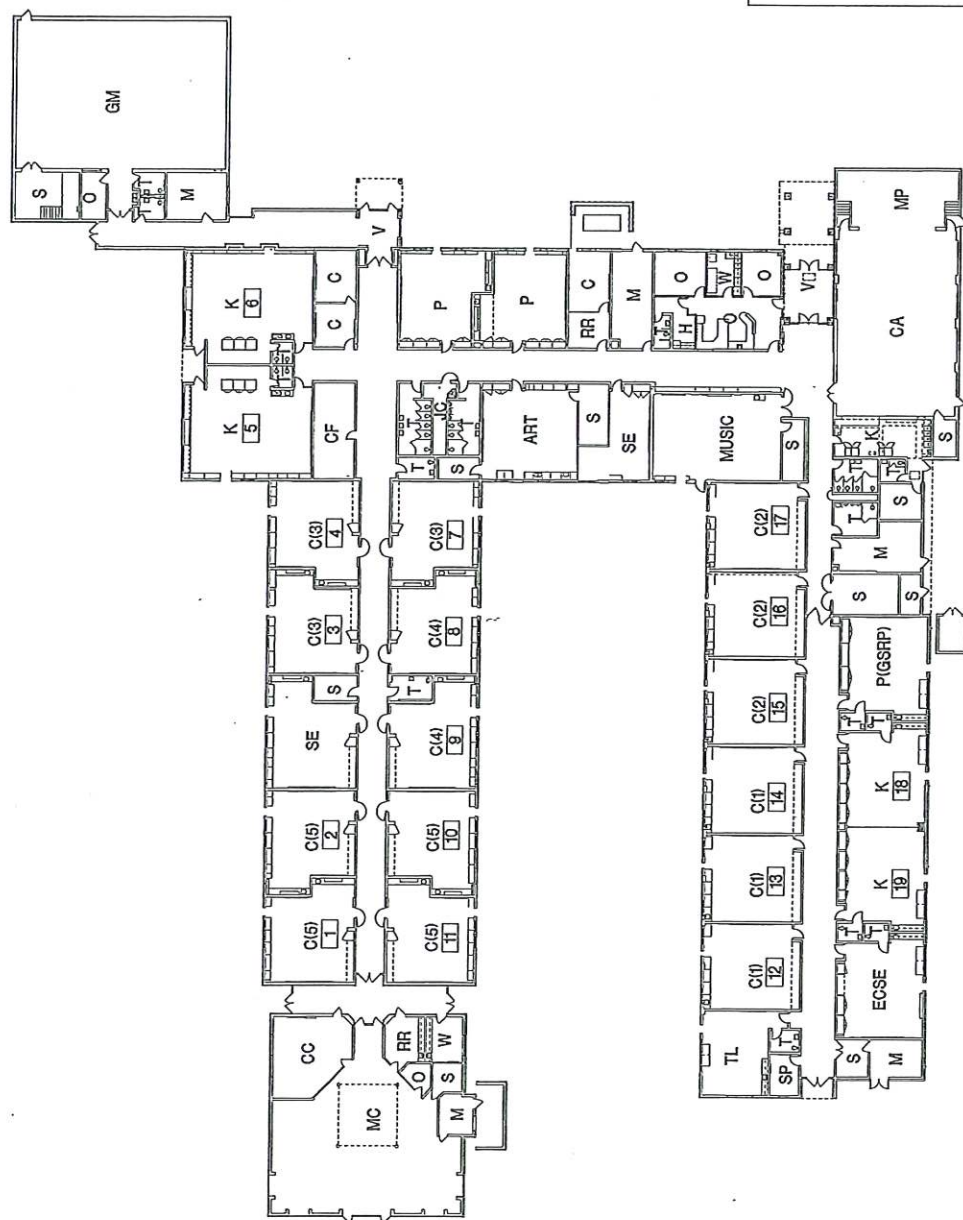
EXISTING CONDITIONS
WALLED LAKE CONSOLIDATED SCHOOLS
WIXOM ELEMENTARY

11

COMPOSITE FLOOR PLAN

SCALE 1/16" = 1'-0"

K - 2 GRADE - 10 TEACHING STATIONS
3 - 5 GRADE - 8 TEACHING STATIONS



ROOM USE LEGEND

[illegible]

Project Sheet

Banks Middle School

Project No. [n]

13

Description of Proposal/Series 1	
Description of Proposal/Series 2	
Description of Proposal/Series 3	Music Classroom Upgrades (Acoustical & Storage); Stage Curtains and Sound System Upgrades; Replace Roof; Replace interior ceiling tile; Restroom Upgrades; Provide backflow preventer; ; Replace boilers; Replace Chillers; Replace exhaust fans; Replace Exterior Lights with LED
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Paving Upgrades; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00

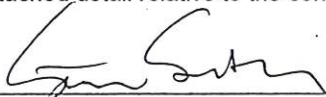
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	0	0	4,017,919	4,017,919
Construction Contingency	0	0	787,706	787,706
Instructional Technology	0	0	110,458	110,458
Loose Furn and Equip	0	0	1,223,116	1,223,116
Buses	0	0	0	0
Site Work	0	0	1,293,998	1,293,998
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	0	426,974	426,974
CM Fees and Costs	0	0	222,667	222,667
Estimated Costs	0	0	8,082,838	8,082,838

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 _____ 1/9/2019 Date _____ TMP Architecture, Inc. 31181 Firm Name and License Number

Stephen E. Smith AIA Printed Name _____ ssmith@tmparchitecture.com E-mail Address _____ 248-338-4561 Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Sarah Banks Middle School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

Janaury 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section	sqft	0	\$200.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Paving upgrades	lpsm	1	\$1,000,000	\$1,000,000
Install LED Parking Lot Lights	each	20	\$9,500	\$190,000
Total Sitework				\$1,190,000
<u>Renovation Work</u>				
Music Room Upgrades (Acoustical & Storage)	each	1	\$180,000	\$180,000
Stage Curtains and Sound System Upgrades	each	1	\$126,000	\$126,000
Replace Roof	sqft	100,000	\$14.00	\$1,400,000
Replace interior ceiling tile	sqft	125,000	\$3.00	\$375,000
Restroom Upgrades	sqft	3,600	\$100	\$360,000
Total Renovation Work				\$2,441,000
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	4	\$2,500	\$10,000
Replace boilers	each	4	\$115,000	\$460,000
Replace Chillers	each	2	\$375,000	\$750,000
Replace exhaust fans	each	10	\$850	\$8,500
Total Mechanical Work				\$1,228,500
<u>Electrical</u>				
Replace Exterior Lights with LED	each	30	\$850.00	\$25,500
Total Electrical				\$25,500
Total Cost		144,000		\$4,885,000
General Conditions	7.50%			\$366,375
Subtotal				\$5,251,375
Estimating Contingency	10.00%			\$525,138
Project Contingency	5.00%			\$262,569
Total Direct Costs				\$6,039,081
Testing	0.50%			\$30,195
Utility Permits & Fees				\$0
Subtotal				\$6,069,277
Permits	0.50%			\$30,346
Subtotal				\$6,099,623
A/E Fees & Reimbursables	7.00%			\$426,974
CM Fees	3.10%			\$189,088
Subtotal				\$6,715,685
Insurance Program	0.50%			\$33,578
Subtotal				\$6,749,263
Fixtures Furnishings & Equipment				
Furnishings				\$983,790
Equipment				\$40,000
Non Instructional Tech				\$199,326
Instructional Technology				\$110,458
TOTAL COSTS			\$56.13	\$8,082,837



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Sarah Banks Middle School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	1,500	\$0.00	\$0.00
Remodeling				\$4,017,918.64
Construction Contingencies				\$787,706.25
Instructional Technology				\$110,458.40
Loose Furnishing/Equipment				\$1,223,115.52
Buses				\$0.00
Site Work				\$1,293,998.15
Site Acquisition				\$0.00
Architectural Fees and Costs				\$426,973.61
CM Fees and Costs				\$222,666.74
TOTAL COSTS				\$8,082,837

Building Utilization

Banks Middle School

Project No. [n] 13

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

1. List the number of teaching station 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	45	22.5	1,013
(9-12) High School		21.25	0
Subtotal	45		1,013
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	45		1013

Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	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 799.0

Utilization Percentage 79%

(Projected 5-Year Enrollment / Total Capacity)

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

[illegible]

FIRST LEVEL COMPOSITE FLOOR PLAN

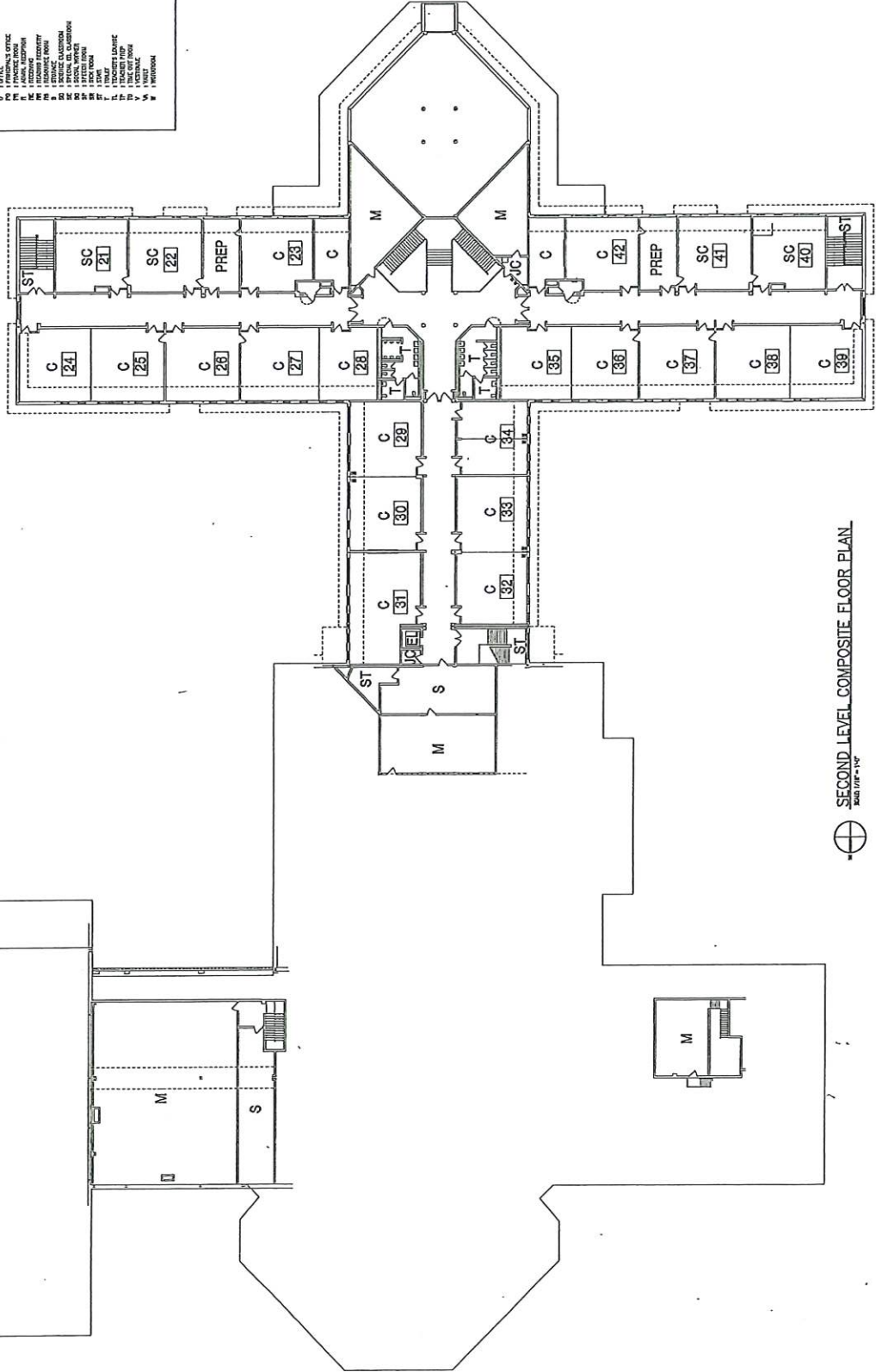


SARAH BANKS MIDDLE SCHOOL

WALLED LAKE CONSOLIDATED SCHOOLS

ROOM USE LEGEND

A	ART ROOM
B	BLOCK ROOM
C	CLASSROOM
CA	COMPUTER LAB
CD	CONFERENCE ROOM
CE	COOPERATIVE ROOM
CF	COOPERATIVE ROOM
CG	COOPERATIVE ROOM
CH	COOPERATIVE ROOM
CI	COOPERATIVE ROOM
CJ	COOPERATIVE ROOM
CK	COOPERATIVE ROOM
CL	COOPERATIVE ROOM
CM	COOPERATIVE ROOM
CN	COOPERATIVE ROOM
CO	COOPERATIVE ROOM
CP	COOPERATIVE ROOM
CQ	COOPERATIVE ROOM
CR	COOPERATIVE ROOM
CS	COOPERATIVE ROOM
CT	COOPERATIVE ROOM
CU	COOPERATIVE ROOM
CV	COOPERATIVE ROOM
CW	COOPERATIVE ROOM
CX	COOPERATIVE ROOM
CY	COOPERATIVE ROOM
CZ	COOPERATIVE ROOM
DA	DATA CENTER
DB	DATA CENTER
DC	DATA CENTER
DD	DATA CENTER
DE	DATA CENTER
DF	DATA CENTER
DG	DATA CENTER
DH	DATA CENTER
DI	DATA CENTER
DJ	DATA CENTER
DK	DATA CENTER
DL	DATA CENTER
DM	DATA CENTER
DN	DATA CENTER
DO	DATA CENTER
DP	DATA CENTER
DQ	DATA CENTER
DR	DATA CENTER
DS	DATA CENTER
DT	DATA CENTER
DU	DATA CENTER
DV	DATA CENTER
DW	DATA CENTER
DX	DATA CENTER
DY	DATA CENTER
DZ	DATA CENTER
EA	ENGINEERING LAB
EB	ENGINEERING LAB
EC	ENGINEERING LAB
ED	ENGINEERING LAB
EE	ENGINEERING LAB
EF	ENGINEERING LAB
EG	ENGINEERING LAB
EH	ENGINEERING LAB
EI	ENGINEERING LAB
EJ	ENGINEERING LAB
EK	ENGINEERING LAB
EL	ENGINEERING LAB
EM	ENGINEERING LAB
EN	ENGINEERING LAB
EO	ENGINEERING LAB
EP	ENGINEERING LAB
EQ	ENGINEERING LAB
ER	ENGINEERING LAB
ES	ENGINEERING LAB
ET	ENGINEERING LAB
EU	ENGINEERING LAB
EV	ENGINEERING LAB
EW	ENGINEERING LAB
EX	ENGINEERING LAB
EY	ENGINEERING LAB
EZ	ENGINEERING LAB
FA	FAMILY ROOM
FB	FAMILY ROOM
FC	FAMILY ROOM
FD	FAMILY ROOM
FE	FAMILY ROOM
FF	FAMILY ROOM
FG	FAMILY ROOM
FH	FAMILY ROOM
FI	FAMILY ROOM
FJ	FAMILY ROOM
FK	FAMILY ROOM
FL	FAMILY ROOM
FM	FAMILY ROOM
FN	FAMILY ROOM
FO	FAMILY ROOM
FP	FAMILY ROOM
FQ	FAMILY ROOM
FR	FAMILY ROOM
FS	FAMILY ROOM
FT	FAMILY ROOM
FU	FAMILY ROOM
FV	FAMILY ROOM
FW	FAMILY ROOM
FX	FAMILY ROOM
FY	FAMILY ROOM
FZ	FAMILY ROOM
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GX	GALLERY
GY	GALLERY
GZ	GALLERY
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HD	HALLWAY
HE	HALLWAY
HF	HALLWAY
HG	HALLWAY
HH	HALLWAY
HI	HALLWAY
HJ	HALLWAY
HK	HALLWAY
HL	HALLWAY
HM	HALLWAY
HN	HALLWAY
HO	HALLWAY
HP	HALLWAY
HQ	HALLWAY
HR	HALLWAY
HS	HALLWAY
HT	HALLWAY
HU	HALLWAY
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RX	RECEPTION
RY	RECEPTION
RZ	RECEPTION
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SC	STUDENT ACTIVITIES
SD	STUDENT ACTIVITIES
SE	STUDENT ACTIVITIES
SF	STUDENT ACTIVITIES
SG	STUDENT ACTIVITIES
SH	STUDENT ACTIVITIES
SI	STUDENT ACTIVITIES
SJ	STUDENT ACTIVITIES
SK	STUDENT ACTIVITIES
SL	STUDENT ACTIVITIES
SM	STUDENT ACTIVITIES
SN	STUDENT ACTIVITIES
SO	STUDENT ACTIVITIES
SP	STUDENT ACTIVITIES
SQ	STUDENT ACTIVITIES
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SV	STUDENT ACTIVITIES
SW	STUDENT ACTIVITIES
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SY	STUDENT ACTIVITIES
SZ	STUDENT ACTIVITIES
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VY	VOCATIONAL
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WZ	WATER
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XC	X-RAY
XD	X-RAY
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XG	X-RAY
XH	X-RAY
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XK	X-RAY
XL	X-RAY
XM	X-RAY
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XO	X-RAY
XP	X-RAY
XQ	X-RAY
XR	X-RAY
XS	X-RAY
XT	X-RAY
XU	X-RAY
XV	X-RAY
XW	X-RAY
XX	X-RAY
XY	X-RAY
XZ	X-RAY
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YB	YOUTH CENTER
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ZW	ZOO
ZX	ZOO
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SECOND LEVEL COMPOSITE FLOOR PLAN
Scale 1/8" = 1'-0"

Project Sheet

Geisler Middle School

Project No. [n]

14

Description of Proposal/Series 1	
Description of Proposal/Series 2	Music Classroom Upgrades (Acoustical & Storage); Stage Curtains and Sound System Upgrades; Replace interior ceilings; Rework drywall soffits at Univent Replacement; Replace carpet/VCT @ Classrooms; Upgrade Classroom Casework; Restroom Upgrades; Provide backflow preventer; Faucets in classrooms; Replace boilers; Replace Chillers; Replace Unitvents; Replace exhaust fans; Replace Exterior Lights with LED; Electrical Equipment Upgrades
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Paving upgrades; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00

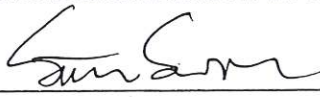
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	0	5,285,819	0	5,285,819
Construction Contingency	0	975,724	0	975,724
Instructional Technology	0	119,240	0	119,240
Loose Furn and Equip	0	1,175,784	0	1,175,784
Buses	0	0	0	0
Site Work	0	1,293,998	0	1,293,998
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	528,888	0	528,888
CM Fees and Costs	0	275,815	0	275,815
Estimated Costs	0	9,655,268	0	9,655,268

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 _____ Date 1/9/2019 Firm Name and License Number TMP Architecture, Inc. 31181

Printed Name Stephen E. Smith AIA E-mail Address ssmith@tmparchitecture.com Phone Number 248-338-4561



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
James Geisler Middle School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section	sqft	0	\$200.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Paving upgrades	lpsm	1	\$1,000,000	\$1,000,000
Install LED Parking Lot Lights	each	20	\$9,500	\$190,000
Total Sitework				\$1,190,000
<u>Renovation Work</u>				
Music Room Upgrades (Acoustical & Storage)	each	1	\$180,000	\$180,000
Stage Curtains and Sound System Upgrades	each	1	\$126,000	\$126,000
Replace interior ceilings	sqft	125,000	\$5.00	\$625,000
Rework drywall soffits at Univent Replacement	each	50	\$2,500.00	\$125,000
Replace carpet / VCT @ Classrooms	sqft	32,000	\$7.00	\$224,000
Upgrade Classroom Casework	room	50	\$8,500	\$425,000
Restroom Upgrades	sqft	3,600	\$100	\$360,000
Total Renovation Work				\$2,065,000
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	4	\$2,500	\$10,000
Faucets in classrooms	each	35	\$1,200	\$42,000
Replace boilers	each	4	\$115,000	\$460,000
Replace Chillers	each	2	\$375,000	\$750,000
Replace Unitvents	each	50	\$25,000	\$1,250,000
Replace exhaust fans	each	10	\$850	\$8,500
Total Mechanical Work				\$2,520,500
<u>Electrical</u>				
Replace Exterior Lights with LED	each	30	\$850.00	\$25,500
Electrical Equipment Upgrades	lpsm	1	\$250,000.00	\$250,000
Total Electrical				\$275,500
Total Cost		149,543		\$6,051,000
General Conditions	7.50%			\$453,825
Subtotal				\$6,504,825
Estimating Contingency	10.00%			\$650,483
Project Contingency	5.00%			\$325,241
Total Direct Costs				\$7,480,549
Testing	0.50%			\$37,403
Utility Permits & Fees				\$0
Subtotal				\$7,517,951
Permits	0.50%			\$37,590
Subtotal				\$7,555,541
A/E Fees & Reimbursables	7.00%			\$528,888
CM Fees	3.10%			\$234,222
Subtotal				\$8,318,651
Insurance Program	0.50%			\$41,593
Subtotal				\$8,360,244
Fixtures Furnishings & Equipment				
Furnishings				\$934,691
Equipment				\$39,489
Non Instructional Tech				\$201,604
Instructional Technology				\$119,240
TOTAL COSTS			\$64.57	\$9,655,268

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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
James Geisler Middle School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$5,285,819.35
Construction Contingencies				\$975,723.75
Instructional Technology				\$119,239.61
Loose Furnishing/Equipment				\$1,175,783.79
Buses				\$0.00
Site Work				\$1,293,998.15
Site Acquisition				\$0.00
Architectural Fees and Costs				\$528,887.89
CM Fees and Costs				\$275,815.03
TOTAL COSTS				\$9,655,268

Building Utilization

Geisler Middle School

Project No. [n] 14

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

1. List the number of teaching station 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	37	22.5	833
(9-12) High School		21.25	0
Subtotal	37		833
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	37		832.5

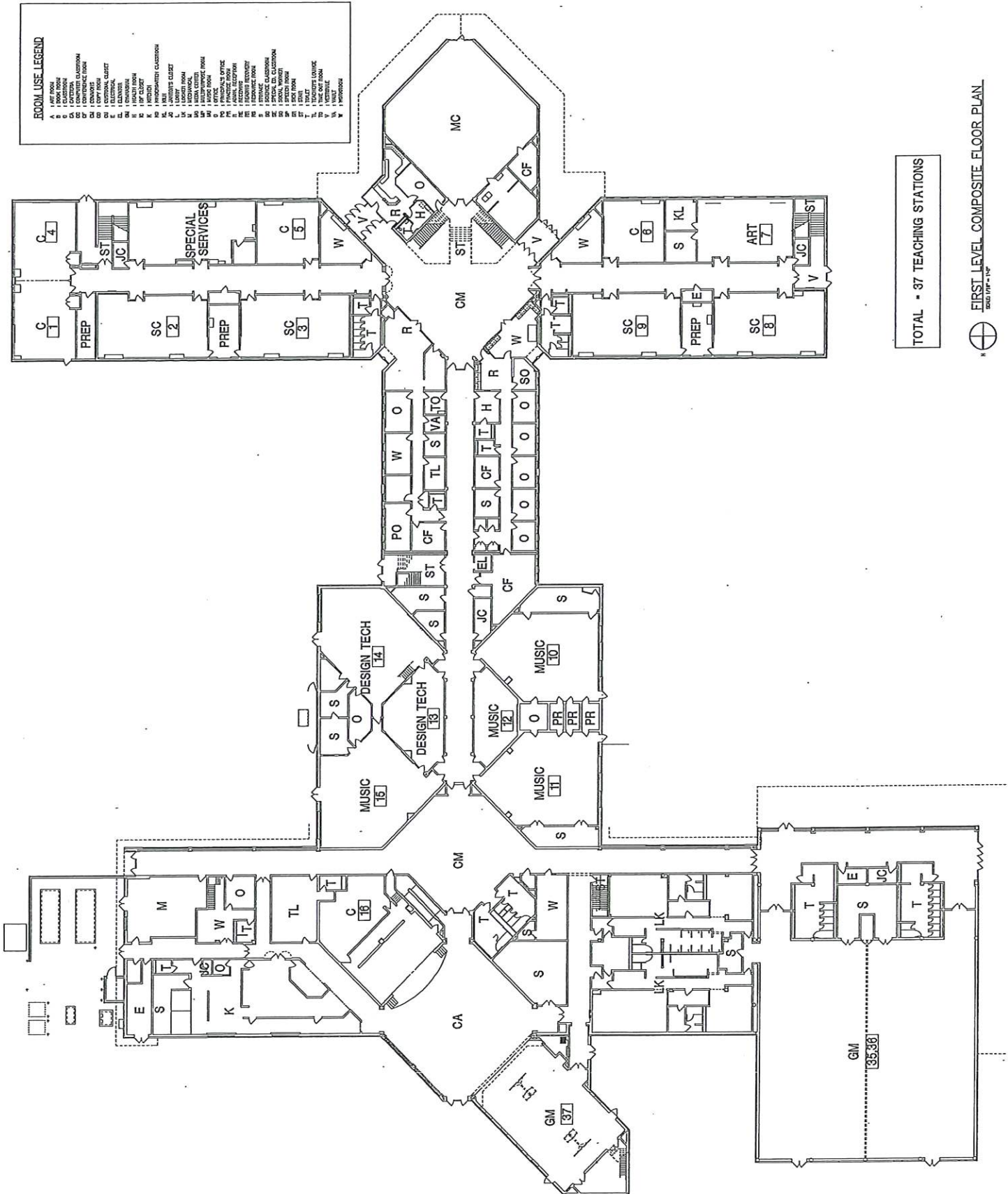
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 657.0

Utilization Percentage 79%

(Projected 5-Year Enrollment / Total Capacity)

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



TOTAL - 37 TEACHING STATIONS

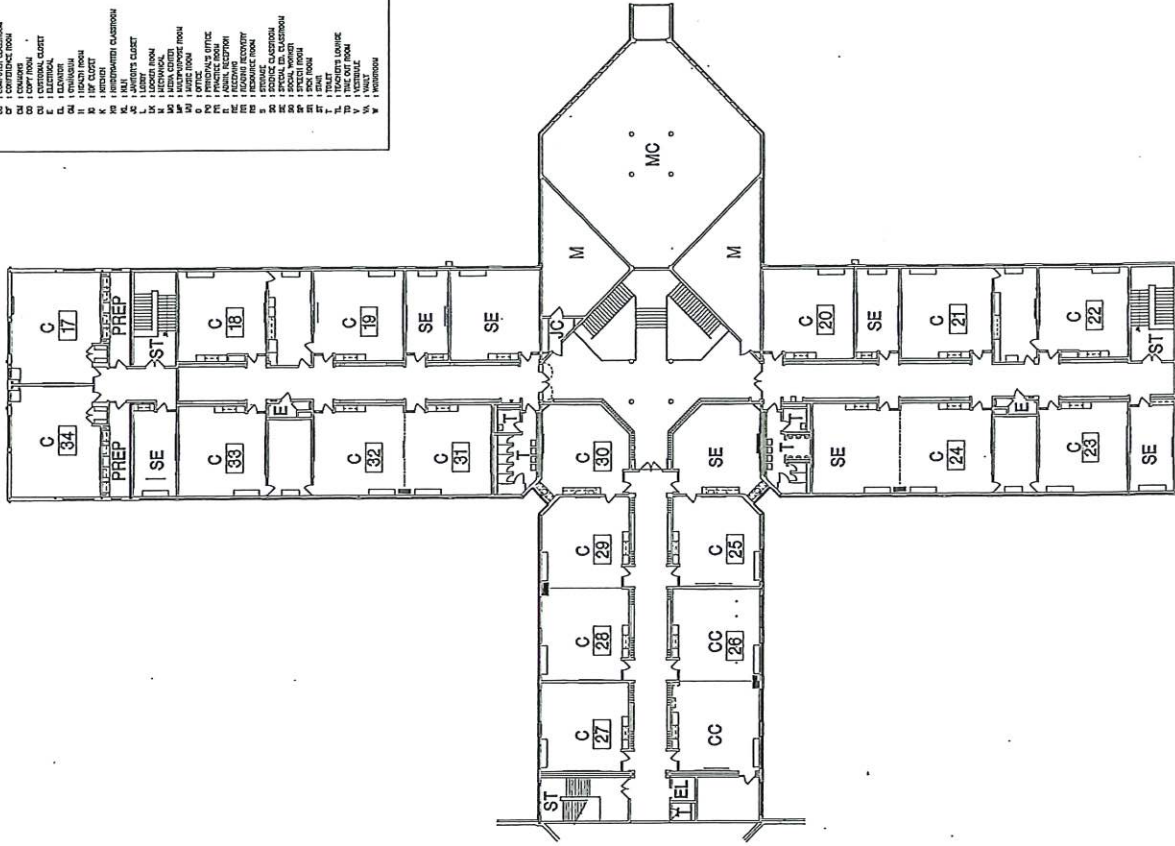
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FIRST LEVEL COMPOSITE FLOOR PLAN
SCALE 1/16" = 1'-0"



WALLED LAKE CONSOLIDATED SCHOOLS JAMES L. GEISLER MIDDLE SCHOOL

ROOM USE LEGEND

- 1. ART ROOM
- 2. BAND ROOM
- 3. CLOSET
- 4. COMPUTER CLASSROOM
- 5. COMPUTER LAB
- 6. GYMNASIUM
- 7. HALLWAY
- 8. JANETRY
- 9. KITCHEN
- 10. LABORATORY
- 11. LOCKER ROOM
- 12. MUSIC ROOM
- 13. OFFICE
- 14. STORAGE ROOM
- 15. STUDENT CLOSET
- 16. STUDENT LOCKER
- 17. STUDENT LOCKER
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SECOND LEVEL COMPOSITE FLOOR PLAN
DATE: 11-14-14

Project Sheet

C.H. Smart Middle School

Project No. [n]

15

Description of Proposal/Series 1	Music Classroom Upgrades (Acoustical & Storage); Stage Curtains and Sound System Upgrades; Upgrade Corridor walls for smoke rating; Replace EIFS Siding; Replace windows; Replace Exterior Doors at Courtyards; Replace Roof; Replace interior ceilings; Replace flooring; Upgrade Classroom Casework; Locker Room Upgrades; Restroom Upgrades; Touch less faucets in classrooms; Provide backflow preventer; Replace Univents; Replace exhaust fans; Panel Upgrades; Replace Exterior Lights with LED
Description of Proposal/Series 2	
Description of Proposal/Series 3	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Instructional Technology Description	
Site Work Description	Paving upgrades; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00

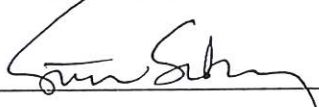
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	0	6,370,263	0	6,370,263
Construction Contingency	0	1,062,039	0	1,062,039
Instructional Technology	0	148,510	0	148,510
Loose Furn and Equip	0	1,541,907	0	1,541,907
Buses	0	0	0	0
Site Work	0	791,622	0	791,622
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	575,675	0	575,675
CM Fees and Costs	0	300,214	0	300,214
Estimated Costs	0	10,790,230	0	10,790,230

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.

	1/9/2019	TMP Architecture, Inc.	31181
Signature	Date	Firm Name and License Number	

Stephen E. Smith AIA	ssmith@tmparchitecture.com	248-338-4561
Printed Name	E-mail Address	Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Clifford Smart Middle School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section	sqft		\$0.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Paving upgrades	lpsm	1	\$500,000.00	\$500,000
Install LED Parking Lot Lights	each	24	\$9,500.00	\$228,000
Total Sitework				\$728,000
<u>Renovation Work</u>				
Music Room Upgrades (Acoustical & Storage)	each	1	\$180,000	\$180,000
Stage Curtains and Sound System Upgrades	each	1	\$126,000	\$126,000
Upgrade Corridor walls for smoke rating	lnft	3,800	\$100.00	\$380,000
Replace EIFS Siding	sqft	10,000	\$50.00	\$500,000
Replace windows	sqft	6,100	\$85.00	\$518,500
Replace Exterior Doors at Courtyards	each	5	\$3,500.00	\$17,500
Replace Roof	sqft	136,311	\$14.00	\$1,908,354
Replace interior ceilings	sqft	136,311	\$3.00	\$408,933
Replace flooring	sqft	50,000	\$7.00	\$350,000
Upgrade Classroom Casework	room	50	\$8,500.00	\$425,000
Locker Room Upgrades	lpsm	1	\$150,000	\$150,000
Restroom Upgrades	each	6	\$100,000	\$600,000
Total Renovation Work				\$5,564,287
<u>Mechanical Work</u>				
Touch less faucets in classrooms	each	50	\$2,000	\$100,000
Provide Backflow Preventers @ Janitor Sinks	each	4	\$2,500	\$10,000
Replace Univents	each	4	\$25,000	\$100,000
Replace exhaust fans	each	10	\$850	\$8,500
Total Mechanical Work				\$218,500
<u>Electrical</u>				
Panel Upgrades	lpsm	1	\$50,000.00	\$50,000
Replace Exterior Lights with LED	each	30	\$850.00	\$25,500
Total Electrical				\$75,500
Total Cost		136,311		\$6,586,287
General Conditions	7.50%			\$493,972
Subtotal				\$7,080,259
Estimating Contingency	10.00%			\$708,026
Project Contingency	5.00%			\$354,013
Total Direct Costs				\$8,142,297
Testing	0.50%			\$40,711
Utility Permits & Fees				\$0
Subtotal				\$8,183,009
Permits	0.50%			\$40,915
Subtotal				\$8,223,924
A/E Fees & Reimbursables	7.00%			\$575,675
CM Fees	3.10%			\$254,942
Subtotal				\$9,054,540
Insurance Program	0.50%			\$45,273
Subtotal				\$9,099,813
Fixtures Furnishings & Equipment				\$1,183,215
Furnishings				\$40,000
Equipment				\$318,692
Non Instructional Tech				\$148,510
Instructional Technology				
TOTAL COSTS			\$79.16	\$10,790,230



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Clifford Smart Middle School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$6,370,262.66
Construction Contingencies				\$1,062,038.78
Instructional Technology				\$148,510.31
Loose Furnishing/Equipment				\$1,541,906.66
Buses				\$0.00
Site Work				\$791,622.40
Site Acquisition				\$0.00
Architectural Fees and Costs				\$575,674.67
CM Fees and Costs				\$300,214.34
TOTAL COSTS				\$10,790,230

Building Utilization

C.H. Smart Middle School

Project No. [n] 15

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

1. List the number of teaching station 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	44	22.5	990
(9-12) High School		21.25	0
Subtotal	44		990
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	44		990

Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	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 781.0

Utilization Percentage 79%

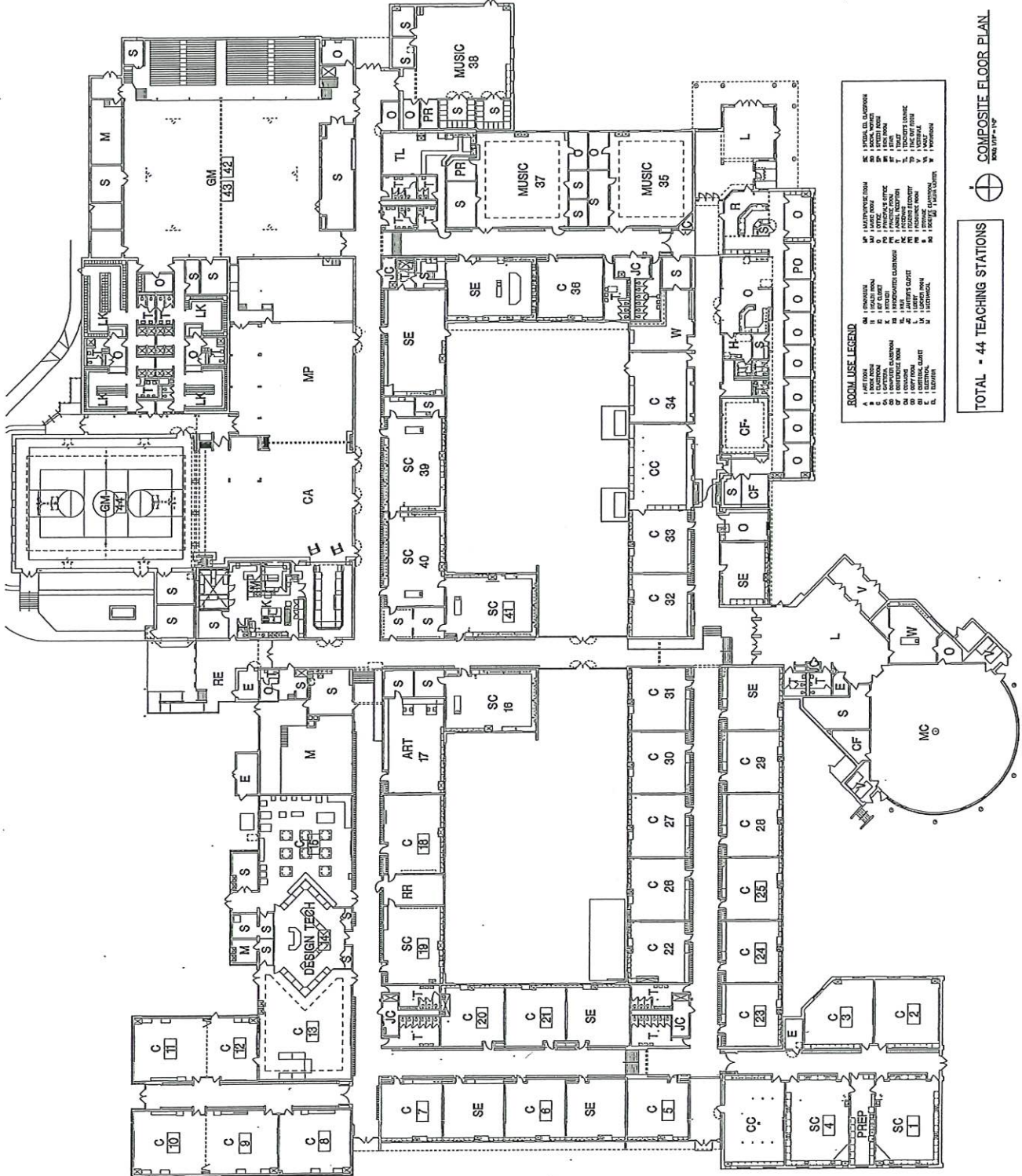
(Projected 5-Year Enrollment / Total Capacity)

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



CLIFFORD H. SMART MIDDLE SCHOOL

WALLED LAKE CONSOLIDATED SCHOOLS



Project Sheet

Walnut Creek Middle School

Project No. [n]

16

Description of Proposal/Series 1	
Description of Proposal/Series 2	
Description of Proposal/Series 3	Music Classroom Upgrades (Acoustical & Storage); Stage Curtains and Sound System Upgrades; Replace Roof; Replace interior ceiling tile; Replace flooring; Restroom Upgrades; Energy Management System Replacement; Provide backflow preventer; Replace boilers; Replace Chillers; Replace exhaust fans; Replace Exterior Lights with LED; Replace Emergency Generator
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Paving upgrades; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	0	0	5,296,693	5,296,693
Construction Contingency	0	0	977,336	977,336
Instructional Technology	0	0	113,385	113,385
Loose Furn and Equip	0	0	1,259,112	1,259,112
Buses	0	0	0	0
Site Work	0	0	1,293,998	1,293,998
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	0	529,762	529,762
CM Fees and Costs	0	0	276,271	276,271
Estimated Costs	0	0	9,746,558	9,746,558

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  Date 1/9/2019 Firm Name and License Number TMP Architecture, Inc. 31181

Printed Name Stephen E. Smith AIA E-mail Address ssmith@tmparchitecture.com Phone Number 248-338-4561



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Walnut Creek Middle School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section	sqft	0	\$0.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Paving upgrades	lpsm	1	\$1,000,000	\$1,000,000
Install LED Parking Lot Lights	each	20	\$9,500	\$190,000
Total Sitework				\$1,190,000
<u>Renovation Work</u>				
Music Room Upgrades (Acoustical & Storage)	each	1	\$180,000	\$180,000
Stage Curtains and Sound System Upgrades	each	1	\$126,000	\$126,000
Replace Roof	sqft	100,000	\$14.00	\$1,400,000
Replace interior ceiling tile	sqft	125,000	\$3.00	\$375,000
Replace flooring	sqft	50,000	\$7.00	\$350,000
Restroom Upgrades	sqft	3,600	\$100	\$360,000
Total Renovation Work				\$2,791,000
<u>Mechanical Work</u>				
Energy Management System Replacement	sqft	144,000	\$4	\$576,000
Provide Backflow Preventers @ Janitor Sinks	each	4	\$2,500	\$10,000
Replace boilers	each	4	\$115,000	\$460,000
Replace Chillers	each	2	\$375,000	\$750,000
Replace exhaust fans	each	10	\$850	\$8,500
Total Mechanical Work				\$1,804,500
<u>Electrical</u>				
Replace Exterior Lights with LED	each	30	\$850.00	\$25,500
Replace Emergency Generator	each	1	\$250,000.00	\$250,000
Total Electrical				\$275,500
Total Cost		144,000		\$6,061,000
General Conditions	7.50%			\$454,575
Subtotal				\$6,515,575
Estimating Contingency	10.00%			\$651,558
Project Contingency	5.00%			\$325,779
Total Direct Costs				\$7,492,911
Testing	0.50%			\$37,465
Utility Permits & Fees				\$0
Subtotal				\$7,530,376
Permits	0.50%			\$37,652
Subtotal				\$7,568,028
A/E Fees & Reimbursables	7.00%			\$529,762
CM Fees	3.10%			\$234,609
Subtotal				\$8,332,398
Insurance Program	0.50%			\$41,662
Subtotal				\$8,374,060
Fixtures Furnishings & Equipment				\$1,017,128
Furnishings				\$40,000
Equipment				\$201,983
Non Instructional Tech				\$113,385
Instructional Technology				
TOTAL COSTS			\$67.68	\$9,746,557

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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Walnut Creek Middle School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

Janaury 9, 2019

DESCRIPTION	Unit of		Unit Cost	Total Cost
	Meas.	Quan.		
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$5,296,693.28
Construction Contingencies				\$977,336.25
Instructional Technology				\$113,385.47
Loose Furnishing/Equipment				\$1,259,111.51
Buses				\$0.00
Site Work				\$1,293,998.15
Site Acquisition				\$0.00
Architectural Fees and Costs				\$529,761.94
CM Fees and Costs				\$276,270.85
TOTAL COSTS				\$9,746,557

Building Utilization

Walnut Creek Middle School

Project No. [n] 16

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

1. List the number of teaching station 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	43	22.5	968
(9-12) High School		21.25	0
Subtotal	43		968
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	43		968

Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	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 765.3

Utilization Percentage 79%

(Projected 5-Year Enrollment / Total Capacity)

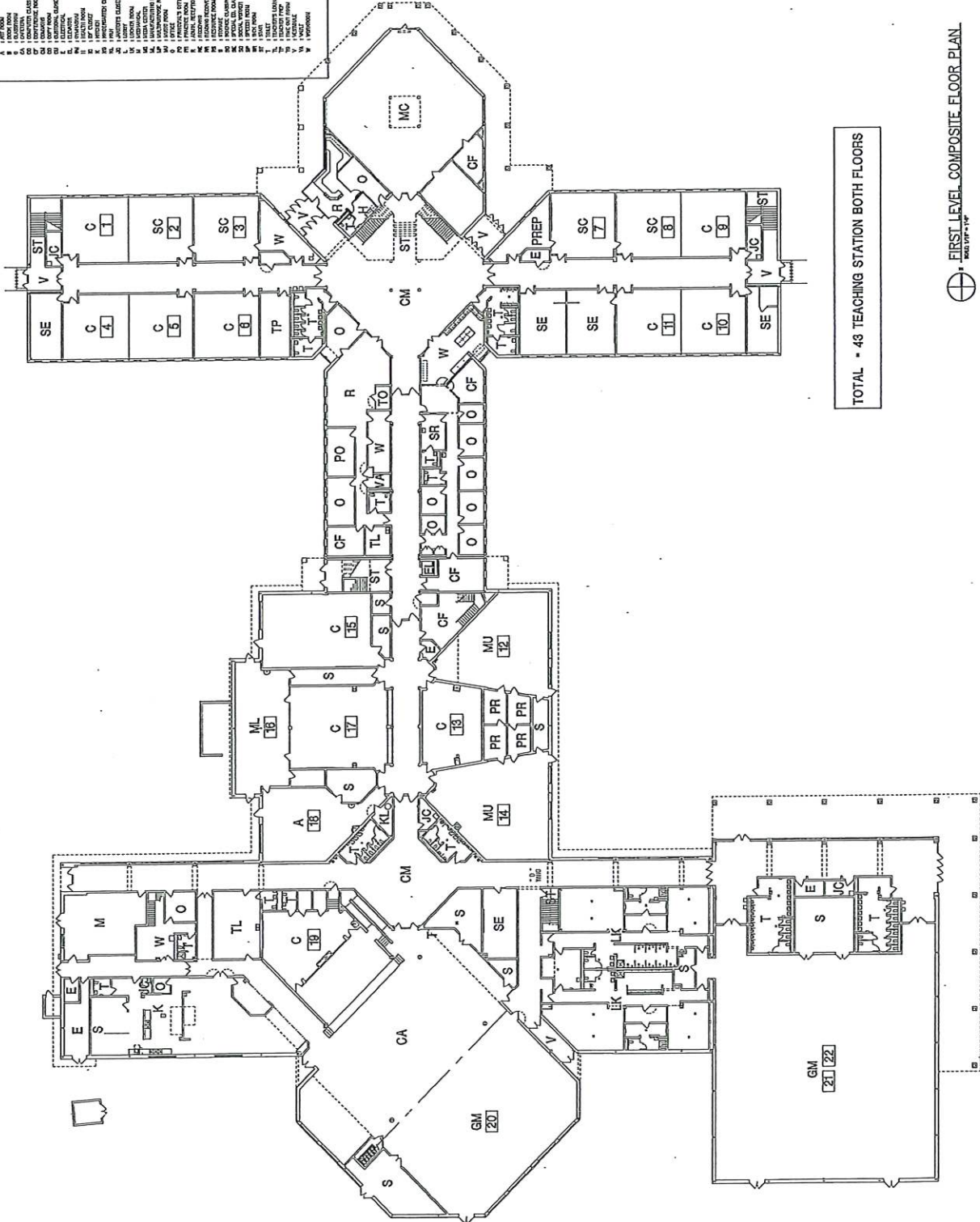
Please transfer applicable information to the Utilization Summary on Page 6 of the application.



WALNUT LAKE MIDDLE SCHOOL

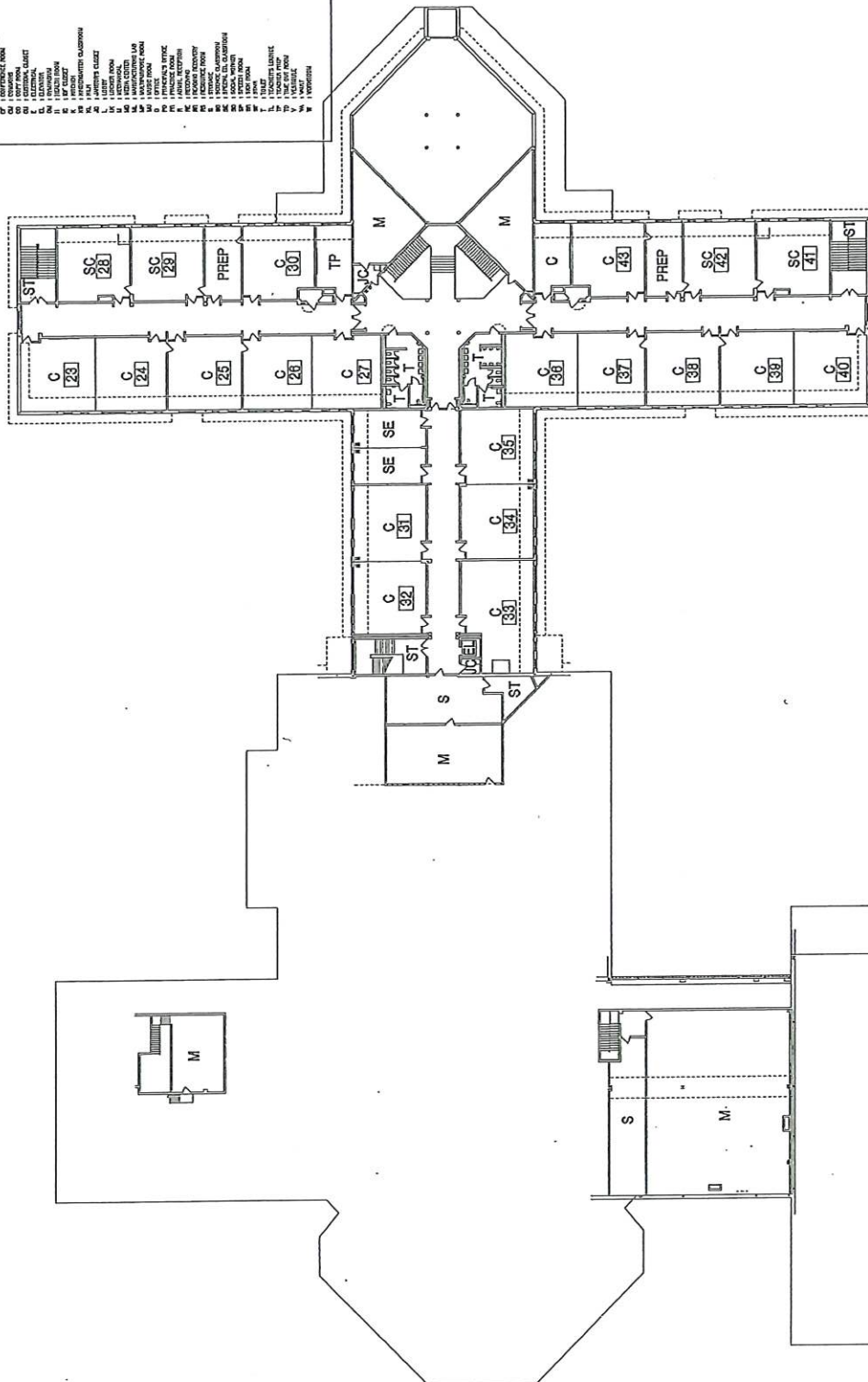
ROOM USE LEGEND

1	CLASS ROOM
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98	CLASS ROOM
99	CLASS ROOM
100	CLASS ROOM



TOTAL - 48 TEACHING STATION BOTH FLOORS

FIRST LEVEL COMPOSITE FLOOR PLAN
1/8" = 1'-0"

[illegible]

SECOND LEVEL COMPOSITE FLOOR PLAN
SCALE 1/4" = 1'-0"

Project Sheet

Central High School

Project No. [n]

17

Description of Proposal/Series 1	
Description of Proposal/Series 2	
Description of Proposal/Series 3	New Team Room; Replace windows; Replace EIFS Siding; Replace Roof; Replace interior ceiling tile; Central Ave Acoustical Panels; Corridor wall improvements; Replace carpet/VCT; Auditorium upgrades; Natatorium upgrades; Provide backflow preventer; Add AC in Gym; Replace Pool Pak Unit and Rework ductwork; Replace exhaust fans; Replace Pool Filtration Equipment; Replace Exterior Lights with LED; Replace Emergency Generator
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Paving upgrades; Drainage Improvements at Athletic Fields; Site work at Team Rooms; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	8,000	Cost per Sq Ft	271.85

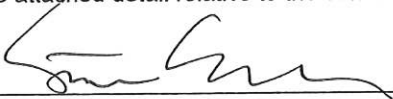
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	2,174,787	2,174,787
Remodeling	0	0	9,314,612	9,314,612
Construction Contingency	0	0	1,962,977	1,962,977
Instructional Technology	0	0	226,009	226,009
Loose Furn and Equip	0	0	2,460,156	2,460,156
Buses	0	0	0	0
Site Work	0	0	1,747,985	1,747,985
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	0	1,064,026	1,064,026
CM Fees and Costs	0	0	554,889	554,889
Estimated Costs	0	0	19,505,440	19,505,440

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.

	1/9/2019	TMP Architecture, Inc.	31181
Signature	Date	Firm Name and License Number	

Stephen E. Smith AIA
Printed Name

ssmith@tmparchitecture.com
E-mail Address

248-338-4561
Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Central High School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
Team Room Building	sqft	8,000	\$250.00	\$2,000,000
Total New Construction				\$2,000,000
<u>Sitework & Demo</u>				
Paving upgrades	lpsm	1	\$1,000,000	\$1,000,000
Drainage Improvements at Athletic Fields	lpsm	1	\$250,000	\$250,000
Site work at Team Rooms	lpsm	1	\$120,000	\$120,000
Install LED Parking Lot Lights	each	25	\$9,500	\$237,500
Total Sitework				\$1,607,500
<u>Renovation Work</u>				
Replace windows	each	400	\$2,000.00	\$800,000
Replace EIFS Siding	sqft	15,000	\$50.00	\$750,000
Replace Roof	sqft	200,000	\$9.00	\$1,800,000
Replace interior ceiling tile	sqft	340,000	\$2.75	\$935,000
Central Ave Acoustical Panels	lpsm	1	\$300,000	\$300,000
Corridor wall improvements	lnft	4,000	\$75.00	\$300,000
Replace carpet / VCT	sqft	200,000	\$7.00	\$1,400,000
Auditorium upgrades (theatrical equipment / flooring / seating)	lpsm	1	\$500,000	\$500,000
Natorium upgrades (replace starting blocks / stairs / portable lift)	lpsm	1	\$100,000	\$100,000
Total Renovation Work				\$6,885,000
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	4	\$2,500	\$10,000
Add AC in Gym	lpsm	1	\$395,000	\$395,000
Replace Pool Pak Unit and Rework ductwork	lpsm	1	\$750,000	\$750,000
Replace exhaust fans	each	10	\$850	\$8,500
Replace Pool Filtration Equipment	lpsm	1	\$225,000	\$225,000
Total Mechanical Work				\$1,388,500
<u>Electrical</u>				
Replace Exterior Lights with LED	each	50	\$850.00	\$42,500
Replace Emergency Generator	each	1	\$250,000.00	\$250,000
Total Electrical				\$292,500
Total Cost		360,287		\$12,173,500
General Conditions	7.50%			\$913,013
Subtotal				\$13,086,513
Estimating Contingency	10.00%			\$1,308,651
Project Contingency	5.00%			\$654,326
Total Direct Costs				\$15,049,489
Testing	0.50%			\$75,247
Utility Permits & Fees				\$0
Subtotal				\$15,124,737
Permits	0.50%			\$75,624
Subtotal				\$15,200,361
AE Fees & Reimbursables	7.00%			\$1,064,025
CM Fees	3.10%			\$471,211
Subtotal				\$16,735,597
Insurance Program	0.50%			\$83,678
Subtotal				\$16,819,275
Fixtures Furnishings & Equipment				
Furnishings				\$2,104,570
Equipment				\$40,000
Non Instructional Tech				\$315,585
Instructional Technology				\$226,009
TOTAL COSTS			\$54.14	\$19,505,439

1/9/2019
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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Central High School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of		Unit Cost	Total Cost
	Meas.	Quan.		
New Construction	sqft	8,000	\$271.85	\$2,174,786.81
Remodeling				\$9,314,611.92
Construction Contingencies				\$1,962,976.88
Instructional Technology				\$226,008.90
Loose Furnishing/Equipment				\$2,460,155.65
Buses				\$0.00
Site Work				\$1,747,984.90
Site Acquisition				\$0.00
Architectural Fees and Costs				\$1,064,025.24
CM Fees and Costs				\$554,889.16
TOTAL COSTS				\$19,505,439

Building Utilization

Central High School

Project No. [n]

17

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

1. List the number of teaching station 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	83	21.25	1,764
Subtotal	83		1,764
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	83		1763.75

Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	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 1450.0

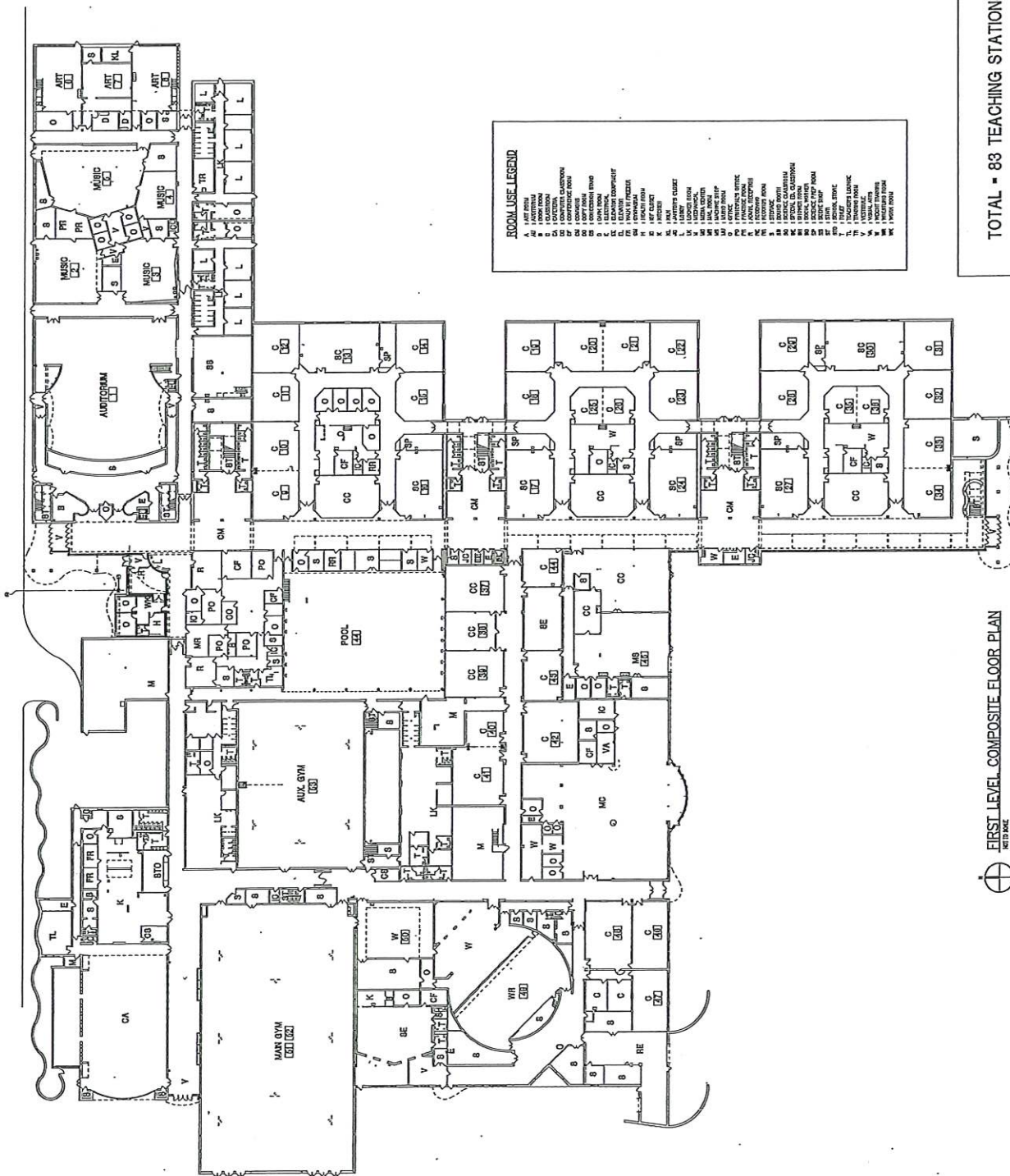
Utilization Percentage 82%

(Projected 5-Year Enrollment / Total Capacity)

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



WALLED LAKE CONSOLIDATED SCHOOLS WALLED LAKE CENTRAL HIGH SCHOOL

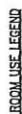


ROOM USE LEGEND

- A. AUDITORIUM
- CA. CLASSROOM
- CC. COMPUTER CENTER
- CD. COUNSELOR'S DESK
- CE. CATERING EQUIPMENT
- CH. CHURCH
- CI. CLOSET
- CL. CLERK
- CM. COMMUNITY MEETING
- CO. COOKING
- CP. CRAFTS
- CR. CRAFTS
- CS. CRAFTS
- CT. CRAFTS
- CU. CRAFTS
- CV. CRAFTS
- CW. CRAFTS
- CX. CRAFTS
- CY. CRAFTS
- CZ. CRAFTS
- DA. DANCE
- DB. DANCE
- DC. DANCE
- DD. DANCE
- DE. DANCE
- DF. DANCE
- DG. DANCE
- DH. DANCE
- DI. DANCE
- DJ. DANCE
- DK. DANCE
- DL. DANCE
- DM. DANCE
- DN. DANCE
- DO. DANCE
- DP. DANCE
- DQ. DANCE
- DR. DANCE
- DS. DANCE
- DT. DANCE
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- DV. DANCE
- DW. DANCE
- DX. DANCE
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TOTAL - 83 TEACHING STATIONS

FIRST LEVEL COMPOSITE FLOOR PLAN
NET 5,000



- [illegible]

SECOND LEVEL COMPOSITE FLOOR PLAN



Project Sheet

Northern High School

Project No. [n]

18

Description of Proposal/Series 1	
Description of Proposal/Series 2	
Description of Proposal/Series 3	New Team Room; Replace windows; Replace carpet/VCT; Locker Room Upgrades; Upgrade Pit Lift; Auditorium upgrades; Natatorium upgrades; Energy Management System Replacement; Provide backflow preventer; Replace Chillers; Add AC in Gym; Replace Exterior Lights with LED; Replace Emergency Generator
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Paving upgrades; Drainage Improvements at Athletic Fields; Site work at Team Rooms; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	8,000	Cost per Sq Ft	271.85

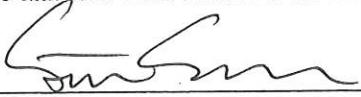
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	2,174,787	2,174,787
Remodeling	0	0	7,312,758	7,312,758
Construction Contingency	0	0	1,947,099	1,947,099
Instructional Technology	0	0	217,228	217,228
Loose Furn and Equip	0	0	2,294,648	2,294,648
Buses	0	0	0	0
Site Work	0	0	3,642,768	3,642,768
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	0	1,055,419	1,055,419
CM Fees and Costs	0	0	550,401	550,401
Estimated Costs	0	0	19,195,108	19,195,108

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	1/9/2019 Date	TMP Architecture, Inc. 31181 Firm Name and License Number
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Stephen E. Smith AIA Printed Name	ssmith@tmparchitecture.com E-mail Address	248-338-4561 Phone Number
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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Northern High School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
Team Room Building	sqft	8,000	\$250.00	\$2,000,000
Total New Construction				\$2,000,000
<u>Sitework & Demo</u>				
Paving upgrades	lpsm	1	\$2,600,000	\$2,600,000
Drainage Improvements at Athletic Fields	lpsm	1	\$250,000	\$250,000
Site work at Team Rooms	lpsm	1	\$120,000	\$120,000
Install LED Parking Lot Lights	each	40	\$9,500	\$380,000
Total Sitework				\$3,350,000
<u>Renovation Work</u>				
Replace windows	each	400	\$2,000.00	\$800,000
Replace Roof	sqft	110,377	\$9.00	\$993,390
Replace carpet / VCT	sqft	200,000	\$7.00	\$1,400,000
Locker Room Upgrades	lpsm	1	\$250,000	\$250,000
Upgrade Pit Lift	each	1	\$100,000	\$100,000
Auditorium upgrades (theatrical equipment / flooring / seating)	lpsm	1	\$500,000	\$500,000
Natatorium upgrades (mechanical upgrades / portable lift)	lpsm	1	\$100,000	\$100,000
Total Renovation Work				\$4,143,390
<u>Mechanical Work</u>				
Energy Management System Replacement	sqft	344,715	\$3	\$1,034,145
Provide Backflow Preventers @ Janitor Sinks	each	4	\$2,500	\$10,000
Replace Chillers	each	2	\$425,000	\$850,000
Add AC in Gym	each	1	\$395,000	\$395,000
Total Mechanical Work				\$2,289,145
<u>Electrical</u>				
Replace Exterior Lights with LED	each	50	\$850.00	\$42,500
Replace Emergency Generator	each	1	\$250,000.00	\$250,000
Total Electrical				\$292,500
Total Cost		344,715		\$12,075,035
General Conditions	7.50%			\$905,628
Subtotal				\$12,980,662
Estimating Contingency	10.00%			\$1,298,066
Project Contingency	5.00%			\$649,033
Total Direct Costs				\$14,927,761
Testing	0.50%			\$74,639
Utility Permits & Fees				\$0
Subtotal				\$15,002,400
Permits	0.50%			\$75,012
Subtotal				\$15,077,412
A/E Fees & Reimbursables	7.00%			\$1,055,419
CM Fees	3.10%			\$467,400
Subtotal				\$16,600,231
Insurance Program	0.50%			\$83,001
Subtotal				\$16,683,232
Fixtures Furnishings & Equipment				\$1,926,361
Furnishings				\$40,000
Equipment				\$328,288
Non Instructional Tech				\$217,228
Instructional Technology				
TOTAL COSTS			\$55.68	\$19,195,108



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Northern High School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of		Unit Cost	Total Cost
	Meas.	Quan.		
New Construction	sqft	8,000	\$271.85	\$2,174,786.81
Remodeling				\$7,312,758.20
Construction Contingencies				\$1,947,099.32
Instructional Technology				\$217,227.69
Loose Furnishing/Equipment				\$2,294,648.23
Buses				\$0.00
Site Work				\$3,642,767.91
Site Acquisition				\$0.00
Architectural Fees and Costs				\$1,055,418.86
CM Fees and Costs				\$550,400.93
TOTAL COSTS				\$19,195,108

Building Utilization

Northern High School

Project No. [n] 18

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

1. List the number of teaching station 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	87	21.25	1,849
Subtotal	87		1,849
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	87		1848.75

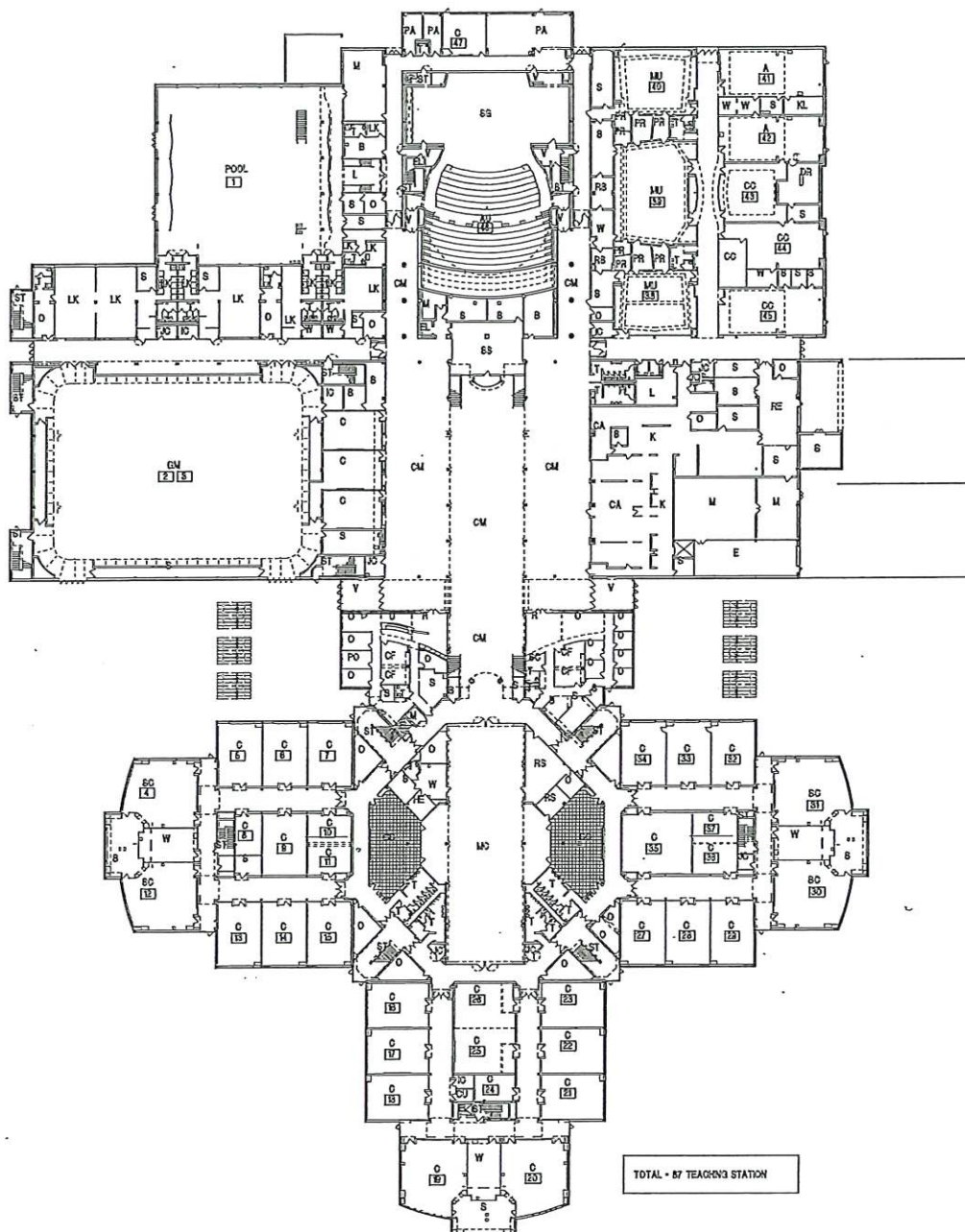
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	0		0

Projected 5-Year Enrollment 1513.0

Utilization Percentage 82%

(Projected 5-Year Enrollment / Total Capacity)

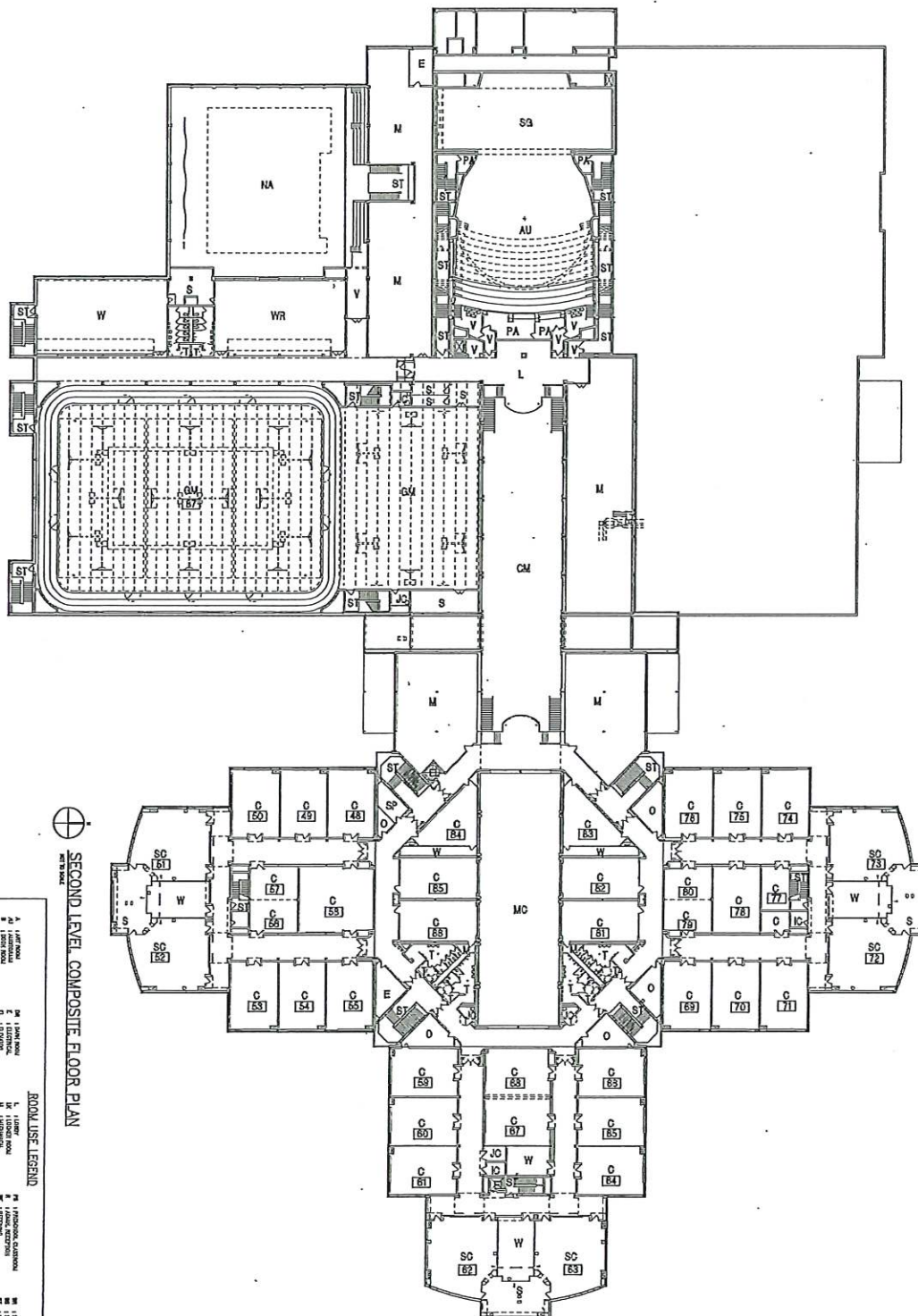
Please transfer applicable information to the Utilization Summary on Page 6 of the application.



SECOND LEVEL, COMPOSITE FLOOR PLAN

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1	1ST ROCK
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TOTAL = 57 TEACHING STATION



WALLED LAKE CONSOLIDATED SCHOOLS

WALLED LAKE NORTHERN HIGH SCHOOL



Project Sheet

Western High School

Project No. [n]

19

Description of Proposal/Series 1	
Description of Proposal/Series 2	New Academic Addition; New Team Room; Create Exterior Walls at Demo Area; Security Glass at Entrance; Rework Exterior Walls- EIFS/Window; Major Remodeling- Athletics; Auditorium upgrades; Natatorium upgrades; Replace Roof; Renovate Remaining Area; Renovated area Plumbing; Renovated area Fire Protection; Renovated area HVAC; Upgrade and Renovation of Power and Lighting
Description of Proposal/Series 3	
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Paving upgrades; Install new digital sign; Install LED Parking Lot Lights; Upgrade Stadium Lights; Resurface track; Drainage Improvements at Athletic Fields; Site work at additions; Site work at Team Rooms; Demolish Existing Building

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	165,000	Cost per Sq Ft	212.23

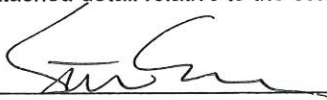
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	35,018,288	0	35,018,288
Remodeling	0	33,430,479	0	33,430,479
Construction Contingency	0	7,346,181	0	7,346,181
Instructional Technology	0	466,744	0	466,744
Loose Furn and Equip	0	3,102,489	0	3,102,489
Buses	0	0	0	0
Site Work	0	5,688,899	0	5,688,899
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	5,693,369	0	5,693,369
CM Fees and Costs	0	2,969,092	0	2,969,092
Estimated Costs	0	93,715,541	0	93,715,541

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.

	1/9/2019	TMP Architecture, Inc.	31181
Signature	Date	Firm Name and License Number	

Stephen E. Smith AIA

ssmith@tmparchitecture.com

248-338-4561

Printed Name

E-mail Address

Phone Number



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Western High School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
New Construction	sqft	157,000	\$200.00	\$31,400,000
Team Room Building	sqft	8,000	\$250.00	\$2,000,000
Total New Construction				\$33,400,000
<u>Sitework & Demo</u>				
Paving upgrades	lpsm	1	\$2,500,000	\$2,500,000
Install new digital sign	lpsm	1	\$75,000	\$75,000
Install LED Parking Lot Lights	each	40	\$9,500	\$380,000
Upgrade Stadium Lights	lpsm	1	\$225,000	\$225,000
Resurface track	lpsm	1	\$100,000	\$100,000
Drainage Improvements at Athletic Fields	lpsm	1	\$250,000	\$250,000
Site work at additions	lpsm	1	\$1,200,000	\$1,200,000
Site work at Team Rooms	lpsm	1	\$120,000	\$120,000
Demolish Existing Building	sqft	72,000	\$8	\$576,000
Total Sitework				\$5,426,000
<u>Renovation Work</u>				
Create Exterior Walls at Demo Area	sqft	10,500	\$75.00	\$787,500
Security Glass at Entrance	lpsm	1	\$50,000.00	\$50,000
Rework Exterior Walls - EIFS/Window	lpsm	1	\$600,000	\$600,000
Major Remodeling - Athletics	sqft	50,000	\$115.00	\$5,750,000
Auditorium upgrades (theatrical equipment / flooring / seating / architectural reno)	sqft	25,000	\$285	\$7,125,000
Natatorium upgrades (filtration / mechanical upgrades / architectural reno)	lpsm	1	\$1,500,000	\$1,500,000
Replace Roof	sqft	196,500	\$14.00	\$2,751,000
Renovate Remaining Area	sqft	103,500	\$40.00	\$4,140,000
Total Renovation Work	sqft	196,500	\$115.54	\$22,703,500
<u>Mechanical Work</u>				
Renovated area Plumbing	sqft	196,500	\$5.00	\$982,500
Renovated area Fire Protection	sqft	196,500	\$4.00	\$786,000
Renovated area HVAC	sqft	196,500	\$25.00	\$4,912,500
Total Mechanical Work		196,500	\$34.00	\$6,681,000
<u>Electrical</u>				
Upgrade and Renovation of Power and Lighting	sqft	196,500	\$12.00	\$2,358,000
Total Electrical				\$2,358,000
Total Cost		361,500		\$70,568,500
General Conditions	4.10%			\$2,893,309
Subtotal				\$73,461,809
Estimating Contingency	5.00%			\$3,673,090
Project Contingency	5.00%			\$3,673,090
Total Direct Costs				\$80,807,989
Testing	0.15%			\$121,212
Utility Permits & Fees				\$0
Subtotal				\$80,929,201
Permits	0.50%			\$404,646
Subtotal				\$81,333,847
A/E Fees & Reimbursables	7.00%			\$5,693,369
CM Fees	3.10%			\$2,521,349
Subtotal				\$89,548,566
Insurance Program	0.50%			\$447,743
Subtotal				\$89,996,309
Fixtures Furnishings & Equipment				\$1,843,924
Furnishings				\$40,000
Equipment				\$1,218,565
Non Instructional Tech				\$466,744
Instructional Technology				

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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Western High School
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
Abatement				\$150,000
TOTAL COSTS			\$259.24	\$93,715,541

New Construction	sqft	165,000	\$212.23	\$35,018,288.06
Remodeling				\$33,430,479.30
Construction Contingencies				\$7,346,180.85
Instructional Technology				\$466,743.94
Loose Furnishing/Equipment				\$3,102,488.74
Buses				\$0.00
Site Work				\$5,688,899.13
Site Acquisition				\$0.00
Architectural Fees and Costs				\$5,693,369.31
CM Fees and Costs				\$2,969,092.10
TOTAL COSTS				\$93,715,541

Building Utilization

Western High School

Project No. [n]

19

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

1. List the number of teaching station 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	16.00	21.25	340
Subtotal	16		340
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	46.00	21.25	978
Subtotal	46		978
Total	62		1318

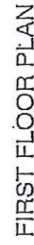
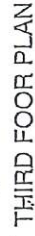
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	0	20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School	50	21.25	1,063
Total	50		1062.5

Projected 5-Year Enrollment 1069.0

Utilization Percentage 81%

(Projected 5-Year Enrollment / Total Capacity)

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


$$Z \oplus \begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \end{array}$$


Project Sheet

New Early Childhood Center

Project No. [n]

20

Description of Proposal/Series 1	New Early Childhood Center
Description of Proposal/Series 2	
Description of Proposal/Series 3	
Instructional Technology Description	New instructional technology
Site Work Description	Site work; Playground Equipment

Construction Cost Per Square Foot

New Construction Square Ft 40,000
 New Addition Square Ft. 0

Cost per Sq Ft 183.02
 Cost per Sq Ft 0.00

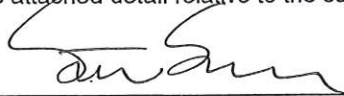
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	7,320,820	0	0	7,320,820
Remodeling	0	0	0	0
Construction Contingency	899,994	0	0	899,994
Instructional Technology	160,000	0	0	160,000
Loose Furn and Equip	1,058,875	0	0	1,058,875
Buses	0	0	0	0
Site Work	1,804,118	0	0	1,804,118
Site Acquisition	0	0	0	0
A/E Fees and Costs	701,745	0	0	701,745
CM Fees and Costs	365,960	0	0	365,960
Estimated Costs	12,311,513	0	0	12,311,513

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

1/9/2019
 Date

TMP Architecture, Inc. 31181
 Firm Name and License Number

Stephen E. Smith AIA
 Printed Name

ssmith@tmparchitecture.com
 E-mail Address

248-338-4561
 Phone Number

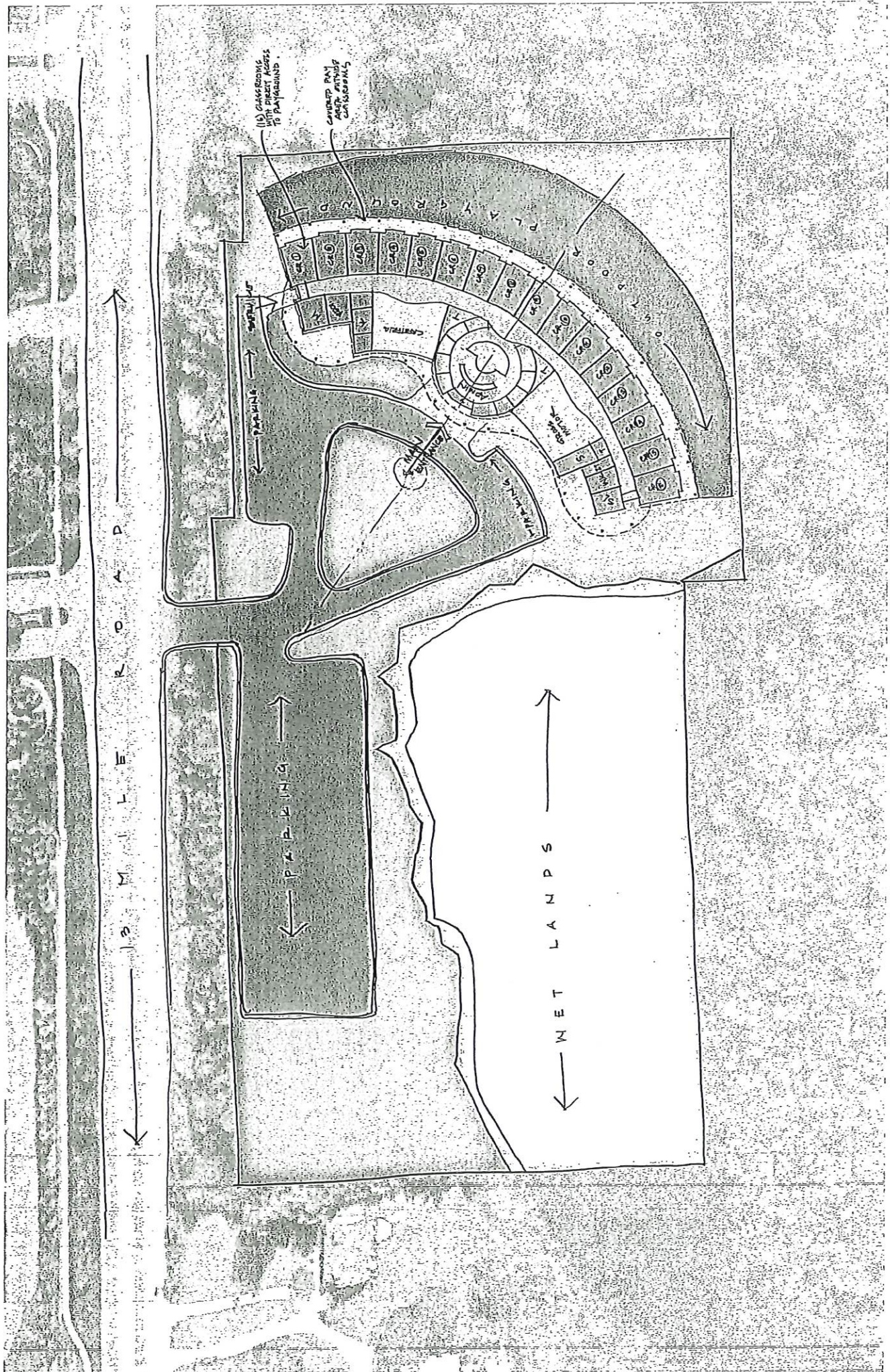


**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Early Childhood Center
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
New Building	sqft	40,000	\$172.00	\$6,880,000
Total New Construction				\$6,880,000
<u>Sitework</u>				
Site Work	acre	7	\$200,000	\$1,400,000
Playground Equipment	lpsm	1	\$225,000	\$225,000
Total Sitework		7	\$232,143	\$1,625,000
<u>Renovation Work</u>				
NIC		0	\$0	\$0
Total Renovation Work				\$0
<u>Mechanical Work</u>				
Included above			\$0	\$0
Total Mechanical Work				\$0
<u>Electrical</u>				
Included above			\$0	\$0
Total Electrical				\$0
Total Cost		40,000		\$8,505,000
General Conditions	5.82%			\$494,939
Subtotal				\$8,999,939
Estimating Contingency	5.00%			\$449,997
Project Contingency	5.00%			\$449,997
Total Direct Costs				\$9,899,933
Testing				\$25,000
Utility Permits & Fees				\$75,000
Subtotal				\$9,999,933
Permits	0.25%			\$25,000
Subtotal				\$10,024,932
A/E Fees & Reimbursables	7.00%			\$701,745
CM Fees & Reimbursables	3.10%			\$310,773
Subtotal				\$11,037,451
Insurance Program	0.50%			\$55,187
Subtotal Construction Cost				\$11,092,638
Fixtures Furnishings & Equipment				
Furnishings				\$625,000
Equipment				\$40,000
Non Instructional Tech				\$393,875
Instructional Technology				\$160,000
TOTAL COSTS			\$307.79	\$12,311,513

New Construction	sqft	40,000	\$183.02	\$7,320,820.38
Remodeling			\$0.00	\$0.00
Construction Contingencies				\$899,993.87
Instructional Technology				\$160,000.00
Loose Furnishing/Equipment				\$1,058,875.00
Buses				\$0.00
Site Work				\$1,804,118.18
Site Acquisition				\$0.00
Architectural Fees and Costs				\$701,745.27
CM Fees and Costs				\$365,960.16
TOTAL COSTS				\$12,311,513



Project Sheet

Twin Sun

Project No. [n]

21

Description of Proposal/Series 1	
Description of Proposal/Series 2	
Description of Proposal/Series 3	Replace Interior ceilings; Upgrade Classroom Casework; Restroom Upgrades; Provide backflow preventer; Replace boilers; Replace AHU; Replace exhaust fans; Replace Exterior Lights with LED
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Upgrade Playground Equipment; Paving Upgrades

Construction Cost Per Square Foot

New Construction Square Ft.	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	0	0	304,117	304,117
Construction Contingency	0	0	69,285	69,285
Instructional Technology	0	0	0	0
Loose Furn and Equip	0	0	134,206	134,206
Buses	0	0	0	0
Site Work	0	0	163,109	163,109
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	0	37,556	37,556
CM Fees and Costs	0	0	19,585	19,585
Estimated Costs	0	0	727,858	727,858

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 _____ Date 1/9/2019 Firm Name and License Number TMP Architecture, Inc. 31181

Stephen E. Smith AIA Printed Name _____ E-mail Address ssmith@tmparchitecture.com Phone Number 248-338-4561



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Twin Sun
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section			\$0.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Playground Equipment Upgrades	lpsm	1	\$100,000.00	\$100,000
Paving Upgrades	lpsm	1	\$50,000.00	\$50,000
Total Sitework				\$150,000
<u>Renovation Work</u>				
Replace Interior ceilings	sqft	11,475	\$5	\$57,375
Upgrade Classroom Casework	room	5	\$8,500	\$42,500
Restroom Upgrades	each	3	\$15,000	\$45,000
Total Renovation Work				\$144,875
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	2	\$35,000	\$70,000
Replace AHU	lpsm	1	\$50,000	\$50,000
Replace exhaust fans	each	2	\$1,500	\$3,000
Total Mechanical Work				\$128,000
<u>Electrical</u>				
Replace Exterior Lights with LED	each	8	\$850.00	\$6,800
Total Electrical				\$6,800
Total Cost		11,475		\$429,675
General Conditions	7.50%			\$32,226
Subtotal				\$461,901
Estimating Contingency	10.00%			\$46,190
Project Contingency	5.00%			\$23,095
Total Direct Costs				\$531,186
Testing	0.50%			\$2,656
Utility Permits & Fees				\$0
Subtotal				\$533,842
Permits	0.50%			\$2,669
Subtotal				\$536,511
A/E Fees & Reimbursables	7.00%			\$37,556
CM Fees	3.10%			\$16,632
Subtotal				\$590,698
Insurance Program	0.50%			\$2,953
Subtotal				\$593,652
Fixtures Furnishings & Equipment				
Furnishings				\$123,656
Equipment				\$10,000
Non Instructional Tech				\$550
Instructional Technology				\$0
TOTAL COSTS			\$63.43	\$727,858

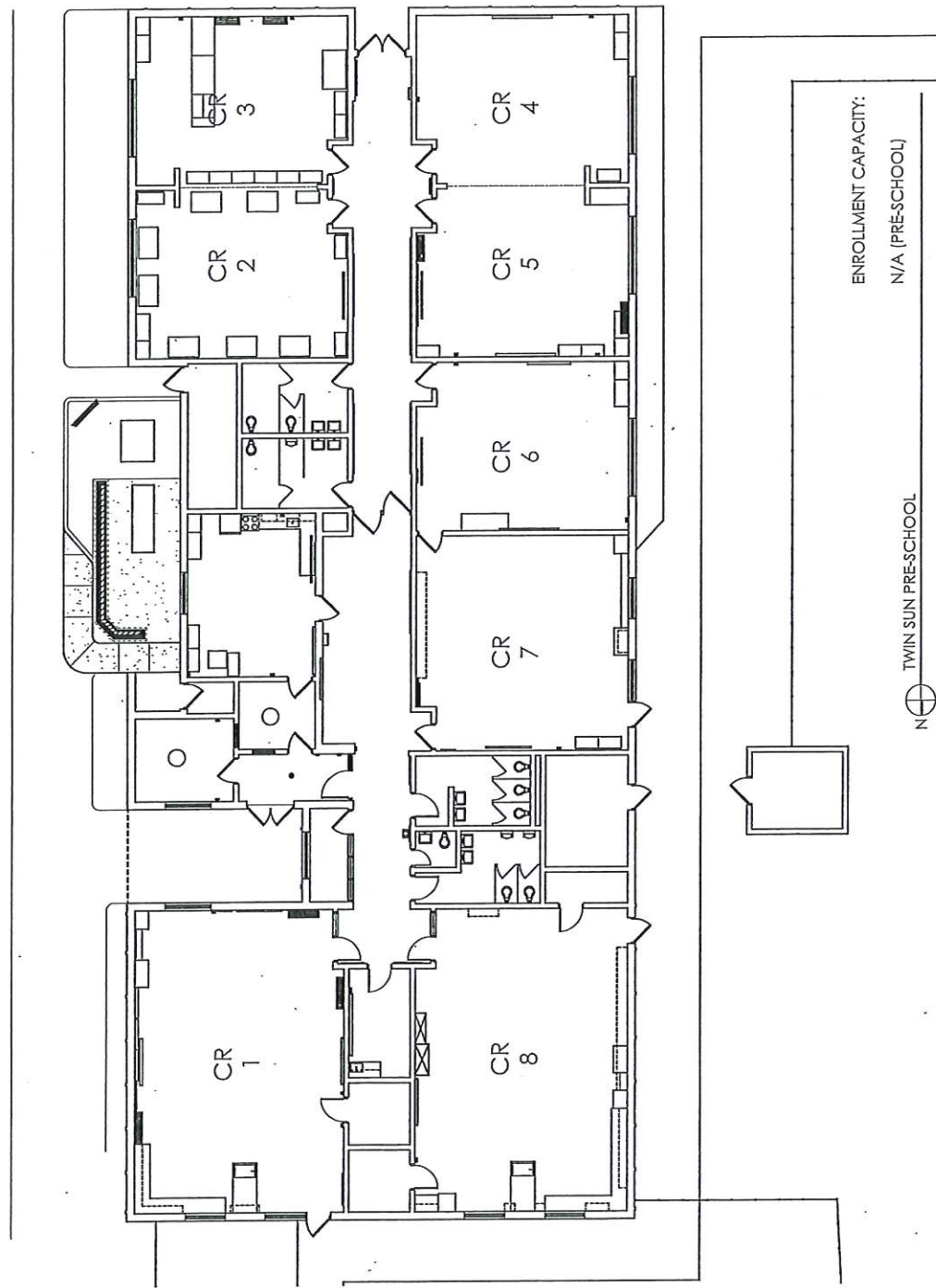
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**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Twin Sun
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

DESCRIPTION	Unit of		Unit Cost	Total Cost
	Meas.	Quan.		
New Construction	sqft	1,500	\$0.00	\$0.00
Remodeling				\$304,116.75
Construction Contingencies				\$69,285.09
Instructional Technology				\$0.00
Loose Furnishing/Equipment				\$134,205.82
Buses				\$0.00
Site Work				\$163,109.01
Site Acquisition				\$0.00
Architectural Fees and Costs				\$37,555.76
CM Fees and Costs				\$19,585.33
TOTAL COSTS				\$727,858



EXISTING CONDITIONS WALLED LAKE CONSOLIDATED SCHOOLS TWIN SUN PRE-SCHOOL

JANUARY 2018



Project Sheet

Outdoor Education Center

Project No. [n]

22

Description of Proposal/Series 1	
Description of Proposal/Series 2	
Description of Proposal/Series 3	Refinish Exterior Walls; Window Replacement; Roof Replacement; Replace interior ceilings; Replace water softener; Provide backflow preventer; Replace boilers; Replace AHU; Replace exhaust fans; Upgrade Electrical Distribution - misc. panels; Electrical equipment upgrades; Replace Exterior Lights with LED
Instructional Technology Description	Upgrade large group instruction technology; Short Throw Projector; Projection Screen; Audio/Video Cabling; Document Camera; Desktop PC; Speakers; Long Throw Projector; Wireless MIC/Wired Microphone; LCD Screens
Site Work Description	Paving upgrades; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00

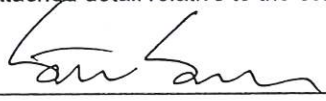
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	0	0	1,438,072	1,438,072
Construction Contingency	0	0	275,090	275,090
Instructional Technology	0	0	10,217	10,217
Loose Furn and Equip	0	0	245,356	245,356
Buses	0	0	0	0
Site Work	0	0	427,600	427,600
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	0	149,854	149,854
CM Fees and Costs	0	0	75,997	75,997
Estimated Costs	0	0	2,622,185	2,622,185

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 _____ Date 1/9/2019 Firm Name and License Number TMP Architecture, Inc. 31181

Stephen E. Smith AIA
 Printed Name _____ E-mail Address ssmith@tmparchitecture.com Phone Number 248-338-4561



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Outdoor Education Center
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

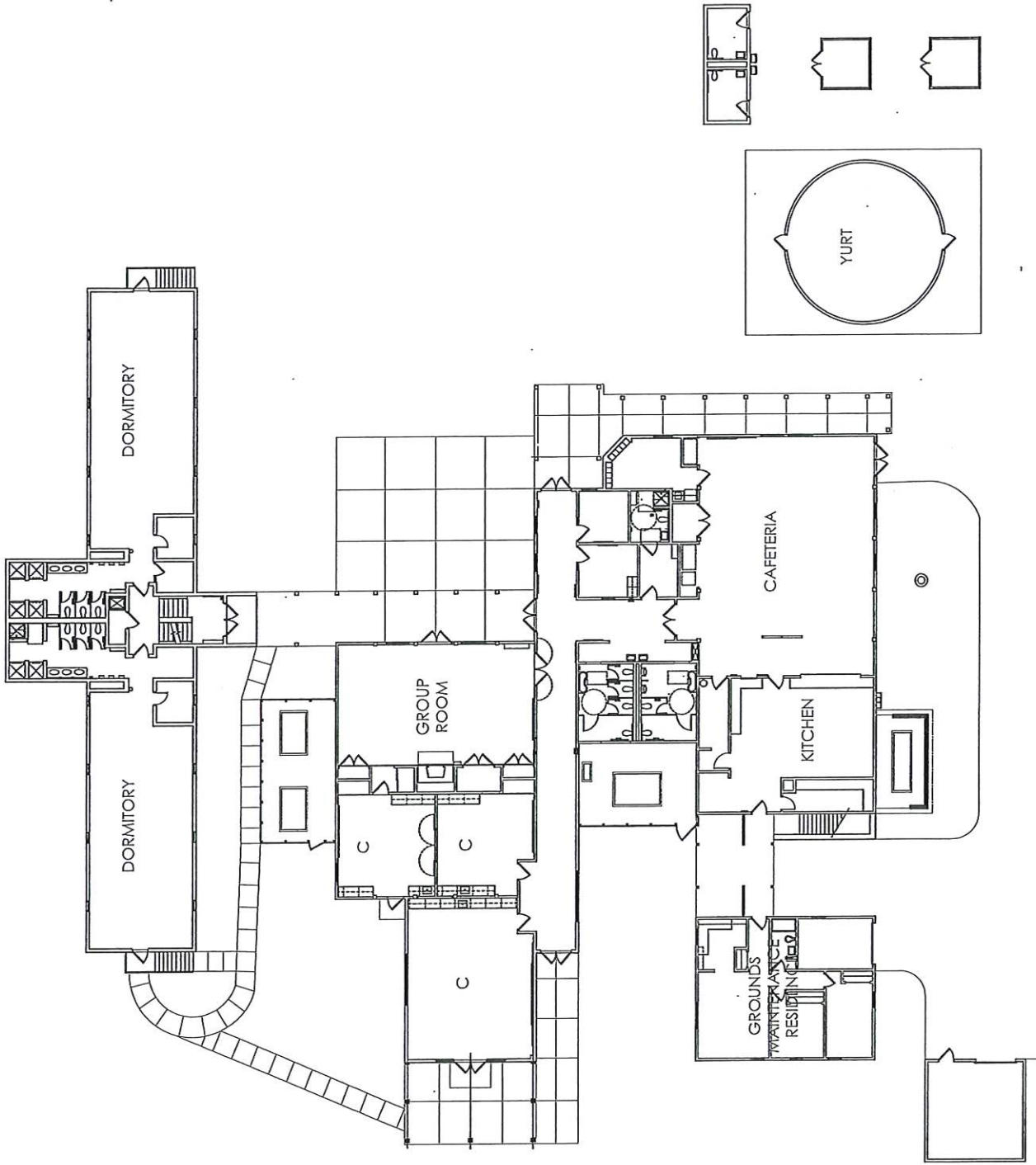
DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section			\$0.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Paving upgrades	lpsm	1	\$315,000	\$315,000
Install LED Parking Lot Lights	each	8	\$9,500	\$76,000
Total Sitework				\$391,000
<u>Renovation Work</u>				
Refinish Exterior Walls	sqft	10,000	\$50	\$500,000
Window Replacement	each	50	\$2,500.00	\$125,000
Roof Replacement	lpsm	15,967	\$14	\$223,538
Replace interior ceilings	sqft	15,967	\$4.00	\$63,868
Total Renovation Work				\$912,406
<u>Mechanical Work</u>				
Replace water softener	sqft	15,967	\$2.25	\$35,926
Provide Backflow Preventers @ Janitor Sinks	each	1	\$2,500	\$2,500
Replace boilers	each	2	\$35,000	\$70,000
Replace AHU	lpsm	1	\$225,000	\$225,000
Replace exhaust fans	each	4	\$850	\$3,400
Total Mechanical Work				\$336,826
<u>Electrical</u>				
Upgrade Electrical Distribution - replace panels	sqft	15,967	\$1.50	\$23,951
Replace Exterior Lights with LED	each	8	\$850.00	\$6,800
Electrical Equipment Upgrades	lpsm	1	\$35,000	\$35,000
Total Electrical				\$65,751
Total Cost		15,967		\$1,705,982
General Conditions	7.50%			\$127,949
Subtotal				\$1,833,931
Estimating Contingency	10.00%			\$183,393
Project Contingency	5.00%			\$91,697
Total Direct Costs				\$2,109,021
Testing	1.00%			\$21,090
Utility Permits & Fees				\$0
Subtotal				\$2,130,111
Permits	0.50%			\$10,651
Subtotal				\$2,140,761
A/E Fees & Reimbursables	7.00%			\$149,853
CM Fees	3.00%			\$64,223
Subtotal				\$2,354,837
Insurance Program	0.50%			\$11,774
Subtotal				\$2,366,612
Fixtures Furnishings & Equipment				
Furnishings				\$103,046
Equipment				\$40,000
Non Instructional Tech				\$102,310
Instructional Technology				\$10,217
TOTAL COSTS			\$164.23	\$2,622,185



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Outdoor Education Center
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

Janaury 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$1,438,071.90
Construction Contingencies				\$275,089.64
Instructional Technology				\$10,217.24
Loose Furnishing/Equipment				\$245,355.90
Buses				\$0.00
Site Work				\$427,599.77
Site Acquisition				\$0.00
Architectural Fees and Costs				\$149,853.29
CM Fees and Costs				\$75,997.03
TOTAL COSTS				\$2,622,185



EXISTING CONDITIONS

WALLED LAKE CONSOLIDATED SCHOOLS

OUTDOOR EDUCATION CENTER

JANUARY 2019



Project Sheet

Maintenance/Transportation Facility

Project No. [n]

23

Description of Proposal/Series 1	Buses
Description of Proposal/Series 2	Buses
Description of Proposal/Series 3	Window replacement; Replace Interior Ceilings; Provide backflow preventer; Replace boilers; Replace AHU; Replace exhaust fans; Replace Exterior Lights with LED
Instructional Technology Description	
Site Work Description	Paving Upgrades

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00


Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	0	0	720,181	720,181
Construction Contingency	0	0	388,983	388,983
Instructional Technology	0	0	0	0
Loose Furn and Equip	0	0	281,980	281,980
Buses	1,700,000	1,700,000	1,700,000	5,100,000
Site Work	0	0	1,902,938	1,902,938
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	0	210,848	210,848
CM Fees and Costs	0	0	109,957	109,957
Estimated Costs	1,700,000	1,700,000	5,314,887	8,714,887

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 _____ Date 1/9/2019 Firm Name and License Number TMP Architecture, Inc. 31181

Stephen E. Smith AIA
 Printed Name _____ E-mail Address ssmith@tmparchitecture.com Phone Number 248-338-4561



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Operations Building Series 1
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$0.00
Construction Contingencies				\$0.00
Instructional Technology				\$0.00
Loose Furnishing/Equipment				\$0.00
Buses	each	20	\$85,000.00	\$1,700,000.00
Site Work				\$0.00
Site Acquisition				\$0.00
Architectural Fees and Costs				\$0.00
CM Fees and Costs				\$0.00
TOTAL COSTS				<u>\$1,700,000</u>



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Operations Building Series 2
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$0.00
Construction Contingencies				\$0.00
Instructional Technology				\$0.00
Loose Furnishing/Equipment				\$0.00
Buses	each	20	\$85,000.00	\$1,700,000.00
Site Work				\$0.00
Site Acquisition				\$0.00
Architectural Fees and Costs				\$0.00
CM Fees and Costs				\$0.00
TOTAL COSTS				<u>\$1,700,000</u>



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Operations Building Series 3
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

January 9, 2019

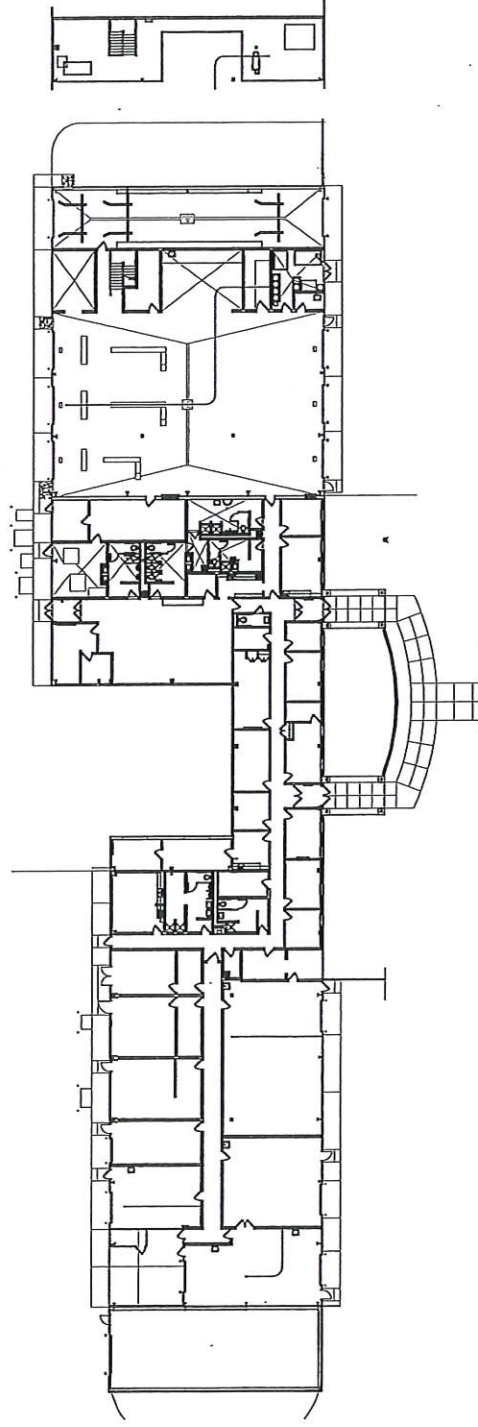
DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section	sqft	0	\$0.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Paving upgrades	lpsm	1	\$1,750,000	\$1,750,000
	each	0	\$0	\$0
Total Sitework				\$1,750,000
<u>Renovation Work</u>				
Window Replacement	lpsm	1	\$200,000	\$200,000
Replace Interior ceilings	sqft	25,500	\$4	\$102,000
Total Renovation Work				\$302,000
<u>Mechanical Work</u>				
Provide Backflow Preventers @ Janitor Sinks	each	2	\$2,500	\$5,000
Replace boilers	each	4	\$35,000	\$140,000
Replace AHU	lpsm	1	\$200,000	\$200,000
Replace exhaust fans	each	6	\$850	\$5,100
Total Mechanical Work				\$350,100
<u>Electrical</u>				
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
				\$0
Total Electrical				\$10,200
Total Cost		25,500		\$2,412,300
General Conditions	7.50%			\$180,923
Subtotal				\$2,593,223
Estimating Contingency	10.00%			\$259,322
Project Contingency	5.00%			\$129,661
Total Direct Costs				\$2,982,206
Testing	0.50%			\$14,911
Utility Permits & Fees				\$0
Subtotal				\$2,997,117
Permits	0.50%			\$14,986
Subtotal				\$3,012,102
A/E Fees & Reimbursables	7.00%			\$210,847
CM Fees	3.10%			\$93,375
Subtotal				\$3,316,325
Insurance Program	0.50%			\$16,582
Subtotal				\$3,332,906
Fixtures Furnishings & Equipment				\$133,354
Furnishings				\$40,000
Equipment				\$108,626
Non Instructional Tech				\$0
Instructional Technology				\$0
Buses	each	20	\$85,000.00	\$1,700,000.00
TOTAL COSTS			\$208.43	\$5,314,886



WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Operations Building Series 3
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN

January 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	1,500	\$0.00	\$0.00
Remodeling				\$720,180.65
Construction Contingencies				\$388,983.38
Instructional Technology				\$0.00
Loose Furnishing/Equipment				\$281,979.83
Buses	each	20	\$85,000.00	\$1,700,000.00
Site Work				\$1,902,938.46
Site Acquisition				\$0.00
Architectural Fees and Costs				\$210,847.17
CM Fees and Costs				\$109,956.80
TOTAL COSTS				\$5,314,886



ENROLLMENT CAPACITY:

N/A

EXISTING CONDITIONS

WALLED LAKE CONSOLIDATED SCHOOLS

OPERATIONS AND MAINTENANCE BUILDING

JANUARY 2019



Project Sheet

Educational Services Center

Project No. [n]

24

Description of Proposal/Series 1	
Description of Proposal/Series 2	Refinish Exterior Walls, Window Replacement, Roof Replacement, Replace Interior Ceiling Tile, Restroom Upgrades, Roof Replacement, Mechanical and Electrical Upgrades
Description of Proposal/Series 3	
Instructional Technology Description	
Site Work Description	Paving upgrades; Install LED Parking Lot Lights

Construction Cost Per Square Foot

New Construction Square Ft	0	Cost per Sq Ft	0.00
New Addition Square Ft.	0	Cost per Sq Ft	0.00

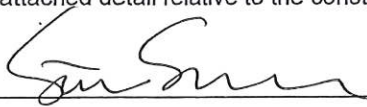
Statement describing any existing environmental or usability problems the proposed project will address. (ex: asbestos, energy use, or ADA requirements)

Estimated Cost of Proposed Construction Project

	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Total
New Construction	0	0	0	0
Remodeling	0	3,452,093	0	3,452,093
Construction Contingency	0	586,732	0	586,732
Instructional Technology	0	0	0	0
Loose Furn and Equip	0	2,989,015	0	2,989,015
Buses	0	0	0	0
Site Work	0	504,551	0	504,551
Site Acquisition	0	0	0	0
A/E Fees and Costs	0	318,036	0	318,036
CM Fees and Costs	0	165,856	0	165,856
Estimated Costs	0	8,016,284	0	8,016,284

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  Date 1/9/2019 Firm Name and License Number TMP Architecture, Inc. 31181

Stephen E. Smith AIA Printed Name E-mail Address ssmith@tmparchitecture.com Phone Number 248-338-4561



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Education Service Center
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

Janaury 9, 2019

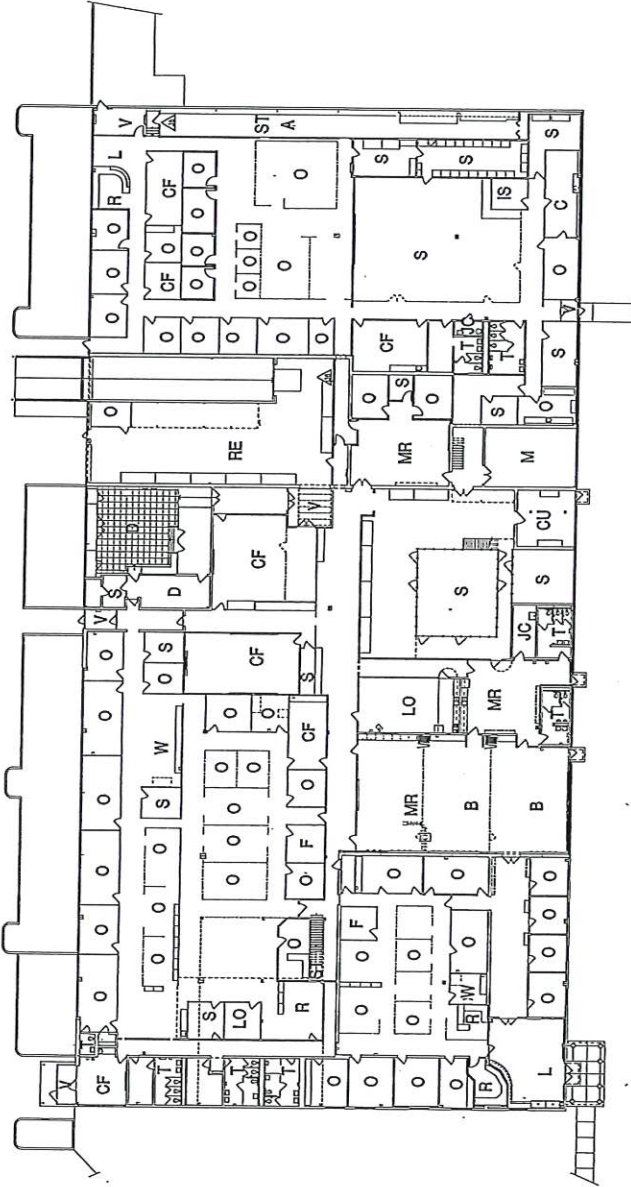
DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
<u>New Construction</u>				
No work this section			\$0.00	\$0
Total New Construction				\$0
<u>Sitework & Demo</u>				
Paving upgrades	lpsm	1	\$350,000	\$350,000
Install LED Parking Lot Lights	each	12	\$9,500	\$114,000
Total Sitework				\$464,000
<u>Renovation Work</u>				
Refinish Exterior Walls	sqft	17,460	\$50	\$873,000
Window Replacement	each	100	\$1,500.00	\$150,000
Roof Replacement	lpsm	52,200	\$14	\$730,800
Replace interior ceiling tile	sqft	52,200	\$2.75	\$143,550
Restroom Upgrades	each	6	\$50,000	\$300,000
Roof Replacement	sqft	52,200	\$14	\$730,800
Total Renovation Work				\$2,928,150
<u>Mechanical Work</u>				
Exhaust Fan Replacement	each	4	\$2,000	\$8,000
Total Mechanical Work				\$8,000
<u>Electrical</u>				
Upgrade Electrical Service	lpsm	1	\$150,000	\$150,000
Upgrade Electrical Distribution - replace panels	sqft	52,200	\$1.50	\$78,300
Replace Exterior Lights with LED	each	12	\$850.00	\$10,200
Total Electrical				\$238,500
Total Cost			52,200	\$3,638,650
General Conditions	7.50%			\$272,899
Subtotal				\$3,911,549
Estimating Contingency	10.00%			\$391,155
Project Contingency	5.00%			\$195,577
Total Direct Costs				\$4,498,281
Testing	0.50%			\$22,491
Utility Permits & Fees				\$0
Subtotal				\$4,520,772
Permits	0.50%			\$22,604
Subtotal				\$4,543,376
A/E Fees & Reimbursables	7.00%			\$318,036
CM Fees	3.10%			\$140,845
Subtotal				\$5,002,257
Insurance Program	0.50%			\$25,011
Subtotal				\$5,027,269
Fixtures Furnishings & Equipment				
Furnishings				\$692,229
Equipment				\$110,000
Non Instructional Tech				\$2,186,786
Instructional Technology				
TOTAL COSTS			\$153.57	\$8,016,284



**WALLED LAKE
CONSOLIDATED SCHOOL DISTRICT
Education Service Center
FACILITY ASSESSMENT
WALLED LAKE, MICHIGAN**

Janaury 9, 2019

DESCRIPTION	Unit of Meas.	Quan.	Unit Cost	Total Cost
New Construction	sqft	0	\$0.00	\$0.00
Remodeling				\$3,452,093.48
Construction Contingencies				\$586,732.31
Instructional Technology				\$0.00
Loose Furnishing/Equipment				\$2,989,015.31
Buses				\$0.00
Site Work				\$504,550.54
Site Acquisition				\$0.00
Architectural Fees and Costs				\$318,036.34
CM Fees and Costs				\$165,855.95
TOTAL COSTS				<u>\$8,016,284</u>



FIRST LEVEL COMPOSITE FLOOR PLAN
1/8" = 1'-0"

ENROLLMENT CAPACITY:
N/A

EXISTING CONDITIONS

WALLED LAKE CONSOLIDATED SCHOOLS

EDUCATIONAL SERVICES CENTER

JANUARY 2019



Utilization Summary

Walled Lake Consolidated School District

63-290

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

Proj. No.	Name of School Facility	Current Grade Structure	Proposed Grade Structure	Projected 5-Year Enrollment	Existing Pupil Capacity	New Pupil Capacity	Total Pupil Capacity	Utilization %	Closed Pupil Capacity
1	Commerce Elementary School	K-5	K-5	637	560	0	560	114%	0
2	Dublin Elementary School	K-5	K-5	541	0	540	540	100%	500
3	Glengary Elementary School	K-5	K-5	297	320	0	320	93%	
4	Guest Elementary School	K-5	K-5	367	375	0	375	98%	
5	Hickory Woods Elementary School	K-5	K-5	574	565	0	565	102%	
6	Keith Elementary School	K-5	K-5	621	540	0	540	115%	
7	Loon Lake Elementary School	K-5	K-5	486	450	0	450	108%	
8	Meadowbrook Elementary School	K-5	K-5	589	540	0	540	109%	
9	Oakley Park Elementary School	K-5	K-5	363	340	0	340	107%	
10	Pleasant Lake Elementary School	K-5	K-5	556	590	0	590	94%	
11	Walled Lake Elementary School	K-5	K-5	355	360	0	360	99%	
12	Wixom Elementary School	K-5	K-5	423	425	0	425	100%	
13	Banks Middle School	6-8	6-8	799	1013	0	1,013	79%	
14	Geisler Middle School	6-8	6-8	657	833	0	833	79%	
15	C.H. Smart Middle School	6-8	6-8	781	990	0	990	79%	
16	Walnut Creek Middle School	6-8	6-8	765	968	0	968	79%	
17	Central High School	9-12	9-12	1431	1764	0	1,764	81%	
18	Northern High School	9-12	9-12	1500	1849	0	1,849	81%	
19	Western High School	9-12	9-12	1069	340	978	1,318	81%	1063
20	New Early Childhood Center			0			0		
21	Twin Sun			0			0		
22	Outdoor Education Center			0			0		
23	Maintenance/Transportation Facility						0		
24	Educational Services Center						0		
							0		
Total				12812	12820	1518	14338	89%	1563

Subtotals by School District's Grade Configuration

Configuration	Current Grade Structure	Proposed Grade Structure	Projected 5-Year Enrollment	Existing Pupil Capacity	New Pupil Capacity	Total Pupil Capacity	Utilization %	Closed Pupil Capacity
Elementary School	K-5	K-5	5809	5065	540	5605	104%	500
Junior High/Middle School	6-8	6-12	3002	3803	0	3803	79%	0
High School	9-12	6-12	4000	3953	978	4930	81%	1063
Total				12812	1518	14338	89%	1563

Facility Summary

Walled Lake Consolidated School District

63-290

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

Proj. No.	Facility Type*	Name of School/Facility	Address	City	Year Built	Year(s) Remodeled	Total Sq. Ft.	New Site (Acres)	Bldg In Use? Y/N	Sq. Ft. of Closed Facility	Disposition of Closed Facility**
1	Instructional	Commerce Elementary School	520 Farr	Walled Lake	1948	1990 1991 1997 1997 2001 2004	46,503		Yes		
2	Instructional	Dublin Elementary School	9260 Sunnyside	Union Lake	1928	1950 1990 1997 2001 2004 2013	59,400				
3	Instructional	Glengary Elementary School	3070 Woodbury	Walled Lake	1950	1990 1997 2004 2013	50,867				
4	Instructional	Guest Elementary School	1655 Decker Road	Walled Lake	1950	1990 1997 2004 2013	46,138				
5	Instructional	Hickory Woods Elementary School	30655 Novi Road	Novi	1991	1993 2010 2004 2013	73,763				
6	Instructional	Keith Elementary School	2800 Keith Road	West Bloomfield	1963	1988 1990 1997 2004 2013	58,034				
7	Instructional	Loon Lake Elementary School	2151 Loon Lake Road	Wixom	1963	1990 1991 1997 2004 2013	41,739				
8	Instructional	Meadowbrook Elementary School	29200 Meadowbrook Road	West Bloomfield	1997	2004 2013	73,000				
9	Instructional	Oakley Park Elementary School	2015 Oakley Park Road	Walled Lake	1966	1990 1991 1997 2001 2004 2013	47,700				
10	Instructional	Pleasant Lake Elementary School	4900 Halsted Road	West Bloomfield	1991	1993 2004	73,000				
11	Instructional	Walled Lake Elementary School	1055 West Maple Road	Walled Lake	1950	1990 1997 2001 2004 2013	45,183				
12	Instructional	Wixom Elementary School	301 North Wixom Road	Wixom	1949	1990 1991 1996 1997 2001 2004 2013	59,905				
13	Instructional	Banks Middle School	1760 Charns Road	Wixom	1998	2004 2013	144,370				
14	Instructional	Geisler Middle School	46720 West Pontiac Trail	Walled Lake	1992	2001 2004 2013	149,913				
15	Instructional	C.H. Smart Middle School	8500 Commerce Road	Commerce Twp	1958	1991 1997 2000 2001 2004 2013	154,940				
16	Instructional	Walnut Creek Middle School	7601 Walnut Lake	West Bloomfield	1998	2004	144,370				
17	Instructional	Central High School	1600 Oakley Park Road	Walled Lake	1949	1991 1998-2000 2004 2013	360,287				
18	Instructional	Northern High School	6000 Bogie Lake Rd.	Commerce Twp	2002		344,715				
19	Instructional	Western High School	600 Beck Road	Walled Lake	1999	1990 1997 2001 2004	294,715				
20	Instructional	New Early Childhood Center					11,475				
21	Instructional	Twin Sun	2157 Loon Lake Road	Wixom	1963	1997 2001	15,967				
22	Instructional	Outdoor Education Center	3577 Sleeth Court	Commerce Twp	1965	2005 2004	97,180				
23	Bus Garage	Maintenance/Transportation Facility	46740 W. Pontiac Trail	Walled Lake	1992	2004	52,200				
24	Non-Instructional	Educational Services Center	850 Ladd Rd, Building D	Walled Lake	1960	1991 2004					
Total							2,445,364				

*Facility Type:

Instructional
Non-Instructional
Bus Garage
Storage
Stadium

**Closed Facility Reference:

1. Demolish
2. Convert to non-instructional
3. Sell or lease
4. Retain for future use
5. Undetermined

Combined Cost Summary

Mad Lake Consolidated School District

63-290

#	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Cost per Sq. Foot	New Cons. Sq. Feet	New Construction	Remodeling	Construction Contingency	Instructional Technology	Loose, Furn. and Equip	Buses	Site Work	Site Acquisition	A/E Fees and Costs	CM Fees and Costs	Project Costs	Election/Issue Costs	Total Cost
		0	0	3,572,828	625,740	60,913	983,493	0	646,867	0	339,180	176,883	6,405,903	59511	6,465,414
	\$214.34	85,000	18,218,716	0	2,164,075	131,883	1,383,511	0	3,660,676	0	1,683,043	877,707	28,119,609	956860	29,076,469
		0	0	3,469,741	832,978	57,986	753,610	0	2,147,470	0	451,513	235,464	7,948,762	73848	8,022,610
		0	0	3,747,221	638,701	55,059	893,402	0	559,875	0	346,206	180,546	6,421,010	59655	6,480,665
		0	0	4,638,119	883,688	49,204	1,016,767	0	1,321,051	0	479,000	249,798	8,637,628	80248	8,717,876
	\$223.55	5,300	1,184,828	4,823,048	910,525	60,913	911,829	0	149,811	0	494,775	258,025	8,793,754	299236	9,092,990
	\$222.92	6,100	1,359,785	4,594,292	1,008,688	49,204	853,893	0	848,034	0	546,756	285,133	9,545,786	324826	9,870,612
		0	0	2,261,099	369,948	49,204	975,549	0	233,657	0	200,529	104,576	4,194,563	142733	4,337,296
	\$222.92	6,100	1,359,785	4,737,447	1,042,010	49,204	839,697	0	929,589	0	564,818	294,553	9,817,104	334059	10,151,163
		0	0	4,252,524	826,508	55,059	975,549	0	1,321,051	0	448,006	233,635	8,112,330	75368	8,187,698
1		0	0	4,083,751	704,730	52,132	844,154	0	668,615	0	381,997	199,211	6,934,589	64426	6,999,015
2		0	0	4,912,728	763,160	57,986	897,116	0	233,657	0	413,668	215,728	7,494,043	69624	7,563,667
3		0	0	4,017,919	787,706	110,458	1,223,116	0	1,293,998	0	426,974	222,667	8,082,837	78670	8,161,507
4		0	0	5,285,819	975,724	119,240	1,175,784	0	1,293,998	0	528,888	275,815	9,655,268	328552	9,983,820
5		0	0	6,370,263	1,062,039	148,510	1,541,907	0	791,622	0	575,675	300,214	10,790,230	367172	11,157,402
6		0	0	5,296,693	977,336	113,385	1,259,112	0	1,293,998	0	529,762	276,271	9,746,557	94863	9,841,420
7	\$271.85	8,000	2,174,787	9,314,612	1,962,977	226,009	2,460,156	0	1,747,985	0	1,064,025	554,889	19,505,439	189846	19,695,285
8	\$271.85	8,000	2,174,787	7,312,758	1,947,099	217,228	2,294,648	0	3,642,768	0	1,055,419	550,401	19,195,108	186825	19,381,933
9	\$212.23	165,000	35,018,288	33,430,479	7,346,181	466,744	3,102,489	0	5,688,899	0	5,693,369	2,969,092	93,715,541	3188973	96,904,514
0	\$183.02	40,000	7,320,820	0	899,994	160,000	1,058,875	0	1,804,118	0	701,745	365,960	12,311,513	114381	12,425,894
1		0	0	304,117	69,285	0	134,206	0	163,109	0	37,556	19,585	727,858	7084	734,942
2		0	0	1,438,072	275,090	10,217	245,356	0	427,600	0	149,853	75,997	2,622,185	25522	2,647,707
3		0	0	720,181	388,983	0	281,980	5,100,000	1,902,938	0	210,847	109,957	8,714,886	125373	8,840,259
4		0	0	3,452,093	586,732	0	2,989,015	0	504,551	0	318,036	165,856	8,016,284	272780	8,289,064
														0	0
total		323,500	68,811,796	122,035,803	28,049,897	2,300,539	29,095,211	5,100,000	33,275,937	0	17,641,640	9,197,964	315,503,737	7,520,435	323,029,224

17. Funding:

Total Estimated Cost of Project: \$323,029,224

LESS:

Estimated Interest Earnings: \$7,029,224

Other (specify): \$0

AMOUNT OF PROPOSED ISSUE \$316,000,000

st Summary 1

ed Lake Consolidated School District

63-290

J. #	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Cost per Sq. Foot	New Cons. Sq. Feet	New Construction	Remodeling	Construction Contingency	Technology	Loose Furn. and Equip.	Buses	Site Work	Site Acquisition	A/E Fees and Costs	C/M Fees and Costs	Project Costs	Electron/Issue Costs	Total Cost
1		0	0	3,572,828	625,740	60,913	983,493	0	646,867	0	339,180	176,883	6,405,903	59,514	6,465,417
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	3,469,741	832,978	57,986	753,610	0	2,147,470	0	451,513	235,464	7,948,762	73,848	8,022,610
4		0	0	3,747,221	638,701	55,059	893,402	0	559,875	0	346,206	180,546	6,421,010	59,655	6,480,665
5		0	0	4,638,119	883,688	49,204	1,016,767	0	1,321,051	0	479,000	249,798	8,637,628	80,248	8,717,876
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	4,252,524	826,508	55,059	975,549	0	1,321,051	0	448,006	233,635	8,112,330	75,368	8,187,698
11		0	0	4,083,751	704,730	52,132	844,154	0	668,615	0	381,997	199,211	6,934,589	64,426	6,999,015
12		0	0	4,912,728	763,160	57,986	897,116	0	233,657	0	413,668	215,728	7,494,043	69,624	7,563,667
13		0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	\$183.02	40,000	7,320,820	0	899,994	160,000	1,058,875	0	1,804,118	0	701,745	365,960	12,311,513	114,381	12,425,894
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	1,700,000	0	0	0	0	1,700,000	15,794	1,715,794
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0
total		40,000	7,320,820	28,676,912	6,175,498	548,338	7,422,966	1,700,000	8,702,703	0	3,561,315	1,857,226	65,965,728	612,859	66,578,587

17. Funding:

Total Estimated Cost of Project:	\$66,578,637
LESS:	
Estimated Interest Earnings:	\$1,653,637
Other (specify):	\$0
AMOUNT OF PROPOSED ISSUE	\$64,925,000

63-290

17. Funding:

LESS:1

Other (specify):

AMOUNT OF PROPOSED ISSUE	\$186,649,999
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st Summary 3

led Lake Consolidated School District

63-290

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Sl. #	Cost per Sq Foot	New Cons. Sq. Feet	New Construction	Remodeling	Construction Contingency	Technology	Loose Furn. and Equip.	Buses	Site Work	Site Acquisition	A/E Fees and Costs	CM Fees and Costs	Project Costs	Election/Issue Costs	Total Cost
1		0	0	0	0	0	0	0	0	0	0	0	0	-2	-2
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		0	0	4,017,919	787,706	110,458	1,223,116	0	1,293,998	0	426,974	222,667	8,082,838	78,670	8,161,508
14		0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	5,296,693	977,336	113,385	1,259,112	0	1,293,998	0	529,762	276,271	9,746,558	94,863	9,841,421
17	\$271.85	8,000	2,174,787	9,314,612	1,962,977	226,009	2,480,156	0	1,747,985	0	1,064,025	554,889	19,505,440	189,846	19,695,286
18	\$271.85	8,000	2,174,787	7,312,758	1,947,099	217,228	2,294,648	0	3,642,768	0	1,055,419	550,401	19,195,108	186,825	19,381,933
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	304,117	69,285	0	134,206	0	163,109	0	37,556	19,585	727,858	7,084	734,941
22		0	0	1,438,072	275,090	10,217	245,356	0	427,600	0	149,853	75,997	2,622,185	25,522	2,647,706
23		0	0	720,181	388,983	0	281,980	1,700,000	1,902,938	0	210,847	109,957	5,314,886	51,731	5,366,616
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0
total		16,000	4,349,574	28,404,351	6,408,477	677,298	7,898,572	1,700,000	10,472,396	0	3,474,436	1,809,767	65,193,374	634,539	65,829,410

17. Funding:

Total Estimated Cost of Project: \$65,829,410

LESS:

Estimated Interest Earnings: \$1,404,410

Other (specify): \$0

AMOUNT OF PROPOSED ISSUE	\$64,425,000
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3881, Worksheet 1: Useful Life Calculation

Combined

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
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
Asset Type	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
	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	2.25	42	63,907,296	6,976,614	70,883,910	29.09%	12.29
Building Improvements	30	2.25	32	95,761,606	10,006,702	105,768,308	43.40%	14.00
Roofing	20	2.25	22	20,523,604	2,147,104	22,670,708	9.30%	2.07
Flooring	10	2.25	12	7,203,000	752,011	7,955,011	3.26%	0.40
Furnishing/ Equipment	10	2.25	12	20,754,455	2,117,847	22,872,302	9.39%	1.15
Technology Infrastructure	10	2.25	12	0	0	0	0.00%	0.00
Technology (instr/non-instr)	5	2.25	7	7,652,280	788,950	8,441,230	3.46%	0.25
Buses	6	2.25	8	5,100,000		5,100,000	2.09%	0.17
Total for purposes of determining weighted avg useful life				220,902,240	22,789,229	243,691,469	100.00%	30.33

*Blended value

120% of average useful life of assets

→

36.40

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
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
Asset Type	Col. 1 Average Useful Life of Asset (in Years)	Col. 2 Time between Bonds Issue Date and Purchase*	Col. 3 Useful Life of Asset from Bond Issue Date	Col. 4 Expenditure Amount	Col. 5 Allocation of Related Professional Fees	Col. 6 Total Costs (Incl. Related Fees)	Col. 7 % of Total Cost	Col. 8 Average Useful Life of Assets (in years)
School Buildings	40	2.25	42	7,320,820	755,667	8,076,487	16.09%	6.80
Building Improvements	30	2.25	32	23,507,620	2,412,357	25,919,977	51.65%	16.66
Roofing	20	2.25	22	4,959,292	509,688	5,468,980	10.90%	2.43
Flooring	10	2.25	12	210,000	21,608	231,608	0.46%	0.06
Furnishing/ Equipment	10	2.25	12	6,057,917	621,056	6,678,974	13.31%	1.63
Technology Infrastructure	10	2.25	12	0	0	0	0.00%	0.00
Technology (instr/non-instr)	5	2.25	7	1,913,386	196,637	2,110,023	4.20%	0.31
Buses	6	2.25	8	1,700,000		1,700,000	3.39%	0.28
Total for purposes of determining weighted avg useful life				45,669,035	4,517,013	50,186,049	100.00%	28.16

*Blended value

120% of average useful life of assets →

33.79

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
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
Asset Type	Col. 1 Average Useful Life of Asset (in Years)	Col. 2 Time between Bonds Issue Date and Purchase*	Col. 3 Useful Life of Asset from Bond Issue Date	Col. 4 Expenditure Amount	Col. 5 Allocation of Related Professional Fees	Col. 6 Total Costs (Incl. Related Fees)	Col. 7 % of Total Cost	Col. 8 Average Useful Life of Assets (in years)
School Buildings	40	2.25	42	52,428,902	5,796,194	58,225,096	39.78%	16.81
Building Improvements	30	2.25	32	52,816,563	5,694,545	58,511,107	39.97%	12.89
Roofing	20	2.25	22	9,587,384	1,033,720	10,621,104	7.26%	1.61
Flooring	10	2.25	12	3,811,000	405,648	4,216,648	2.88%	0.35
Furnishing/ Equipment	10	2.25	12	8,054,633	841,878	8,896,511	6.08%	0.74
Technology Infrastructure	10	2.25	12	0	0	0	0.00%	0.00
Technology (instr/non-instr)	5	2.25	7	3,804,928	407,010	4,211,938	2.88%	0.21
Buses	6	2.25	8	1,700,000		1,700,000	1.16%	0.10
Total for purposes of determining weighted avg useful life				132,203,410	14,178,994	146,382,404	100.00%	32.71

*Blended value

120% of average useful life of assets

→

39.26

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
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
Asset Type	Col. 1 Average Useful Life of Asset (in Years)	Col. 2 Time between Bonds Issue Date and Purchase*	Col. 3 Useful Life of Asset from Bond Issue Date	Col. 4 Expenditure Amount	Col. 5 Allocation of Related Professional Fees	Col. 6 Total Costs (Incl. Related Fees)	Col. 7 % of Total Cost	Col. 8 Average Useful Life of Assets (in years)
School Buildings	40	2.25	42	4,157,574	424,753	4,582,327	9.72%	4.11
Building Improvements	30	2.25	32	19,437,424	1,899,800	21,337,224	45.28%	14.60
Roofing	20	2.25	22	5,976,928	603,697	6,580,624	13.96%	3.11
Flooring	10	2.25	12	3,182,000	324,755	3,506,755	7.44%	0.91
Furnishing/ Equipment	10	2.25	12	6,641,904	654,913	7,296,817	15.48%	1.90
Technology Infrastructure	10	2.25	12	0	0	0	0.00%	0.00
Technology (instr/non-instr)	5	2.25	7	1,933,966	185,303	2,119,269	4.50%	0.33
Buses	6	2.25	8	1,700,000		1,700,000	3.61%	0.30
Total for purposes of determining weighted avg useful life				43,029,795	4,093,221	47,123,016	100.00%	25.26

*Blended value

120% of average useful life of assets

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30.31