Michigan Department of Treasury
3881 (Rev. 10-2023)
Completion: Required for Qualification.

Application for Preliminary Qualification of Bonds

School Bond Qualification and Loan Program
for

Houghton-Portage Township School District

Contents **Tab**

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

For additional information about the School Bond Qualification and Loan Program, visit:
Michigan Department of Treasury
Bureau of State and Authority Finance
School Bond Qualification and Loan Program
517-335-0994
www.michigan.gov/sblf

Application for Preliminary Qualification of Bonds

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

Election Date
November 5, 2024

Application No.
31-110-4-K12-16-01

District Name and Address
Houghton-Portage Township School District
1603 Gundlach Road
Houghton, MI 49931

School District Code and Phone No.
31110
906.482.0450

Superintendent Name and Email
Mr. Anders Hill
ahill@hpts.us

Mailing Instructions

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

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

Certificate

I, the undersigned, Secretary of the Board of Education, do certify hereby that the Board of Education of this School District, at a **regular** meeting of the Board, which was conducted and for which public notice of said meeting was given pursuant to and in full compliance with Act 276 of the Public Acts of 1976 (Open Meetings Act), on this:

17 day of June 2024 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 17 day of June 2024

Brent Burns Secretary, Board of Education	[signature] Signature of Secretary
Nels Christopherson Treasurer, Board of Education	Anders Hill Superintendent of Schools
Thrun Law Firm, P.C. Bond Counsel	2900 West Road, Suite 400, East Lansing, MI 48823 Mailing Address
PFM Financial Consultant	555 Briarwood Circle, Suite 333, Ann Arbor, MI 48108 Mailing Address
Integrated Designs, Inc. Architectual Firm	1021 W. Baraga Avenue, Marquette, MI 49855 Mailing Address
Gundlach Champion, Inc. Construction Management Firm	180 Traders Mine Road, Iron Mountain, MI 49801 Mailing Address

ATTACH PROPOSED BALLOT LANGUAGE.

HOUGHTON-PORTAGE TOWNSHIP SCHOOL DISTRICT
BOND PROPOSAL

Shall Houghton-Portage Township School District, Houghton County, Michigan, borrow the sum of not to exceed Twenty-Three Million Dollars ($23,000,000) and issue its general obligation unlimited tax bonds therefor, in one or more series, for the purpose of:

> erecting, furnishing, and equipping a new early childhood center and an addition to the elementary school; remodeling, furnishing and refurnishing and equipping and re-equipping school buildings; acquiring, installing, equipping and re-equipping school buildings for instructional technology; and acquiring, preparing, developing, improving and equipping playgrounds and sites?

The following is for informational purposes only:

The estimated millage that will be levied for the proposed bonds in 2025, under current law, is 0 mill ($0.00 on each $1,000 of taxable valuation). The maximum number of years the bonds of any series may be outstanding, exclusive of any refunding, is thirty (30) years. The estimated simple average annual millage anticipated to be required to retire this bond debt is 2.77 mills ($2.77 on each $1,000 of taxable valuation).

The school district expects to borrow from the State School Bond Qualification and Loan Program to pay debt service on these bonds. The estimated total principal amount of that borrowing is $225,750 and the estimated total interest to be paid thereon is $630,184. The estimated duration of the millage levy associated with that borrowing is 6 years and the estimated computed millage rate for such levy is 9.64 mills. The estimated computed millage rate may change based on changes in certain circumstances.

The total amount of qualified bonds currently outstanding is $16,295,000. The total amount of qualified loans currently outstanding is approximately $5,813,594.

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

Financial Summary

HOUGHTON-PORTAGE TOWNSHIP SCHOOL DISTRICT

Financial information provided as of: 6/12/2024

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

Original Bond Issue			Current Outstanding Principal Balance				Outstanding Principal Balance as of Election Date				Millage	
Issue Date	Purpose	Issue Amount	Current Qualified	Current Non-Qualified	Current Non-Voted	Current Total	Qualified	Non-Qualified	Non-Voted	Election Date Total	Levied This Tax Year	Estimate Next Tax Year
7/14/2016	Refunding, Ser. A	$8,035,000	$3,560,000			**$3,560,000**	$3,560,000			**$3,560,000**	2.60	
7/14/2016	Refunding, Ser. B	9,880,000	2,700,000			**2,700,000**	2,700,000			**2,700,000**	4.10	
6/28/2017	Building	9,480,000	9,205,000			**9,205,000**	9,205,000			**9,205,000**	1.60	
2/8/2018	Refunding	3,550,000	830,000			**830,000**	830,000			**830,000**	1.34	
Total		**$30,945,000**	**$16,295,000**	**$0**	**$0**	**$16,295,000**	**$16,295,000**	**$0**	**$0**	**$16,295,000**	**9.64**	**9.64**

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

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

Proposal	Amount	Bond Term	Avg Int Rate	Bond Interest	SLRF Interest	Total Interest	Avg Millage	Millage Year 1
Proposal 1	$23,000,000	30 years	4.50% - 5.00%	$23,351,258	$630,184	**$23,981,443**	2.77	0.00
Proposal 2								
Proposal 3								
Proposal 4								
Combined Issue	**$23,000,000**			**$23,351,258**	**$630,184**	**$23,981,443**	**2.77**	**0.00**

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

C. School Bond Loan Participation

School Bond Loan Fund					Millage			Est Amt to be Borrowed			
Mandatory Final SBLF Loan Repayment Date	Estimated SBLF Balance as of Election Date	SBLF Beginning Date	Projected SBLF End Date	Estimated SBLF Interest Rate	Initial Computed Millage	Estimated Duration of Computed Millage	Maximum Millage without SBLF Participation	Existing Bonds Amount to be borrowed	Existing Bonds Interest to be accrued	Proposed Bonds Amount to be borrowed	Proposed Bonds Interest to be accrued
2032	$5,813,594	1996	2032	5.00%	9.64	6	10.84	$396,110	$1,331,587	225,750	630,184

D. Property Tax Assumptions

Current		Growth Rate				Property Taxes Levied		Pending
Tax Year	Taxable Value	Prior 5 Year Average	Prior 20 Year Average	Projected Rate Years 1 - 5	Projected Rate Years 6+	Winter	Summer	Material Tax Appeals in District
2024	$312,960,158	5.55%	4.02%	4.55%	3.00%	50.00%	50.00%	No

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

E. Key Financial Measures

1st Year Millage Increase	Total Debt to Taxable Value	Weighted Average Maturity of Bonds	120% of Average Useful Life of Assets	Current & Proposed Bond Debt plus SBLF Debt	Total Loans do not exceed 25% of the Taxable Value
0.00	14.41%	20.57	43.12	$45,108,594	TRUE

F. Bond Issuance

Series/ Proposal	Amount	Dated Date	Construction Fund Beg. Date	Construction Fund End Date
1	$4,300,000	3/1/2025	3/1/2025	5/1/2026
2	18,700,000	6/1/2026	6/1/2026	11/1/2028
3				
4				
5				

G. Certification

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

Prepared By Nate Watson / Sean Wahl

Firm PFM Financial Advisors LLC

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HOUGHTON-PORTAGE TOWNSHIP SCHOOL DISTRICT
COUNTY OF HOUGHTON, STATE OF MICHIGAN
EXISTING DEBT BEFORE ADDITIONAL BONDING

2016 Refunding Bonds, Series A

Tax-Type: Unlimited Tax Qualified
Original Amount: $8,035,000
Net Interest Cost: 3.795%
Call Date: 05/01/2026
Voter Approved Before 2015: Yes
Dated: 07/14/2016

2016 Refunding Bonds, Series B (Taxable)

Tax-Type: Unlimited Tax Qualified
Original Amount: $9,880,000
Net Interest Cost: 2.768%
Call Date: Non-Callable
Voter Approved Before 2015: Yes
Dated: 07/14/2016

		2016 Refunding Bonds, Series A					2016 Refunding Bonds, Series B (Taxable)				
Levy Year	FY End Year	Interest Due Nov 1	Interest Due May 1	Interest Rate	Principal Due May 1	Total Debt Service	Interest Due Nov 1	Interest Due May 1	Interest Rate	Principal Due May 1	Total Debt Service
2024	2025	$63,950	$63,950	3.000%	$730,000	$857,900	$37,148	$37,148	2.700%	$1,305,000	$1,379,295
2025	2026	53,000	53,000	3.000%	720,000	826,000	19,530	19,530	2.800%	1,395,000	1,434,060
2026	2027	42,200	42,200	4.000%	710,000	794,400	0	0	0.000%	0	0
2027	2028	28,000	28,000	4.000%	705,000	761,000	0	0	0.000%	0	0
2028	2029	13,900	13,900	4.000%	695,000	722,800	0	0	0.000%	0	0
2029	2030	0	0	0.000%	0	0	0	0	0.000%	0	0
2030	2031	0	0	0.000%	0	0	0	0	0.000%	0	0
2031	2032	0	0	0.000%	0	0	0	0	0.000%	0	0
2032	2033	0	0	0.000%	0	0	0	0	0.000%	0	0
2033	2034	0	0	0.000%	0	0	0	0	0.000%	0	0
2034	2035	0	0	0.000%	0	0	0	0	0.000%	0	0
2035	2036	0	0	0.000%	0	0	0	0	0.000%	0	0
2036	2037	0	0	0.000%	0	0	0	0	0.000%	0	0
2037	2038	0	0	0.000%	0	0	0	0	0.000%	0	0
2038	2039	0	0	0.000%	0	0	0	0	0.000%	0	0
2039	2040	0	0	0.000%	0	0	0	0	0.000%	0	0
2040	2041	0	0	0.000%	0	0	0	0	0.000%	0	0
2041	2042	0	0	0.000%	0	0	0	0	0.000%	0	0
	Totals:	$201,050	$201,050		$3,560,000	$3,962,100	$56,678	$56,678		$2,700,000	$2,813,355

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HOUGHTON-PORTAGE TOWNSHIP SCHOOL DISTRICT
COUNTY OF HOUGHTON, STATE OF MICHIGAN
EXISTING DEBT BEFORE ADDITIONAL BONDING

		2017 School Building and Site Bonds					2018 Refunding Bonds					TOTAL UTQ	
		Tax-Type: Unlimited Tax Qualified *Original Amount: $9,480,000* *Net Interest Cost: 4.988%* *Call Date: 05/01/2027* *Voter Approved Before 2015: No* *Dated: 06/28/2017*					*Tax-Type: Unlimited Tax Qualified* *Original Amount: $3,550,000* *Net Interest Cost: 4.000%* *Call Date: Non-Callable* *Voter Approved Before 2015: Yes* *Dated: 02/08/2018*						
Levy Year	FY End Year	Interest Due Nov 1	Interest Due May 1	Interest Rate	Principal Due May 1	Total Debt Service	Interest Due Nov 1	Interest Due May 1	Interest Rate	Principal Due May 1	Total Debt Service	Principal	Total Debt Service
2024	2025	$226,838	$226,838	2.250%	$80,000	$533,675	$16,600	$16,600	4.000%	$420,000	$453,200	$2,535,000	$3,224,070
2025	2026	225,938	225,938	2.500%	85,000	536,875	8,200	8,200	4.000%	410,000	426,400	2,610,000	3,223,335
2026	2027	224,875	224,875	2.500%	90,000	539,750	0	0	0.000%	0	0	800,000	1,334,150
2027	2028	223,750	223,750	5.000%	95,000	542,500	0	0	0.000%	0	0	800,000	1,303,500
2028	2029	221,375	221,375	5.000%	100,000	542,750	0	0	0.000%	0	0	795,000	1,265,550
2029	2030	218,875	218,875	5.000%	555,000	992,750	0	0	0.000%	0	0	555,000	992,750
2030	2031	205,000	205,000	5.000%	575,000	985,000	0	0	0.000%	0	0	575,000	985,000
2031	2032	190,625	190,625	5.000%	595,000	976,250	0	0	0.000%	0	0	595,000	976,250
2032	2033	175,750	175,750	5.000%	615,000	966,500	0	0	0.000%	0	0	615,000	966,500
2033	2034	160,375	160,375	5.000%	635,000	955,750	0	0	0.000%	0	0	635,000	955,750
2034	2035	144,500	144,500	5.000%	655,000	944,000	0	0	0.000%	0	0	655,000	944,000
2035	2036	128,125	128,125	5.000%	675,000	931,250	0	0	0.000%	0	0	675,000	931,250
2036	2037	111,250	111,250	5.000%	695,000	917,500	0	0	0.000%	0	0	695,000	917,500
2037	2038	93,875	93,875	5.000%	715,000	902,750	0	0	0.000%	0	0	715,000	902,750
2038	2039	76,000	76,000	5.000%	735,000	887,000	0	0	0.000%	0	0	735,000	887,000
2039	2040	57,625	57,625	5.000%	755,000	870,250	0	0	0.000%	0	0	755,000	870,250
2040	2041	38,750	38,750	5.000%	775,000	852,500	0	0	0.000%	0	0	775,000	852,500
2041	2042	19,375	19,375	5.000%	775,000	813,750	0	0	0.000%	0	0	775,000	813,750
	Totals:	$2,742,900	$2,742,900		$9,205,000	$14,690,800	$24,800	$24,800		$830,000	$879,600	$16,295,000	$22,345,855

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BEFORE ADDITIONAL BONDING

HOUGHTON-PORTAGE TOWNSHIP SCHOOL DISTRICT
COUNTY OF HOUGHTON, STATE OF MICHIGAN

ESTIMATED MILLAGE NEEDED TO RETIRE BONDED DEBT BEFORE ADDITIONAL BONDING

		Computed Mills at time of last new money bond:	9.64
Debt/TV[2]: 5.21%		2024 Qual. Debt Levy:	9.64
Collection Cycle		Non-Qual. Levy:	0.00
July Levy 50%		Total Levy:	9.64

Mandatory Loan Repayment Date:	2032
Estimated Loan Repayment Date:	2030
SBLF Interest Rate:	5.00%

				Existing Unlimited Tax Qualified Debt & Mills							School Bond Loan Fund			
Levy Year	Fiscal Year End	Projected Tax Base[1]	Growth Rate	Existing UTQ Payments	Use of Funds on Hand $5,000	Delinquency Allowance 7.00%	Exempt Pers. Property Receipts[3]	Net UTQ Payments	Mills Needed All Qualified Debt	Mills Levied Qualified Debt	School Bond Loan Fund FY Begin Balance	(Borrowed) / Repaid	Accrued Interest During Year	F/Y Ending Balance
2024	2025	$312,960,158	6.30%	$3,224,070	($5,000)	$211,186	($36,381)	$3,393,875	10.84	9.64	$5,724,004	($376,939)	$292,842	$6,393,784
2025	2026	328,608,166	5.00%	3,223,335	0	0	(36,381)	3,186,954	9.70	9.64	6,393,784	(19,171)	319,975	6,732,930
2026	2027	344,217,054	4.75%	1,334,150	0	0	(36,381)	1,297,769	3.77	9.64	6,732,930	2,020,483	320,047	5,032,494
2027	2028	359,706,821	4.50%	1,303,500	0	0	(36,381)	1,267,119	3.52	9.64	5,032,494	2,200,455	233,021	3,065,059
2028	2029	374,994,361	4.25%	1,265,550	0	0	(36,381)	1,229,169	3.28	9.64	3,065,059	2,385,777	132,729	812,011
2029	2030	390,931,621	4.25%	992,750	0	0	(36,381)	956,369	2.45	4.61	812,011	844,986	32,975	(0)
2030	2031	402,659,570	3.00%	985,000	0	0	(18,857)	966,143	2.40	2.40	(0)	(0)	0	0
2031	2032	414,739,357	3.00%	976,250	0	0	(9,819)	966,431	2.33	2.33	0	0	0	0
2032	2033	427,181,538	3.00%	966,500	0	0	(9,536)	956,964	2.24	2.24	0	0	0	0
2033	2034	439,996,984	3.00%	955,750	0	0	(9,168)	946,582	2.15	2.15	0	(0)	0	0
2034	2035	453,196,894	3.00%	944,000	0	0	(8,804)	935,196	2.06	2.06	0	0	0	0
2035	2036	466,792,800	3.00%	931,250	0	0	(8,445)	922,805	1.98	1.98	0	0	0	0
2036	2037	480,796,584	3.00%	917,500	0	0	(8,090)	909,410	1.89	1.89	0	(0)	0	0
2037	2038	495,220,482	3.00%	902,750	0	0	(7,741)	895,009	1.81	1.81	0	0	0	0
2038	2039	510,077,096	3.00%	887,000	0	0	(7,396)	879,604	1.72	1.72	0	(0)	0	0
2039	2040	525,379,409	3.00%	870,250	0	0	(7,057)	863,193	1.64	1.64	0	0	0	0
2040	2041	541,140,792	3.00%	852,500	0	0	(6,724)	845,776	1.56	1.56	0	0	0	0
2041	2042	557,375,015	3.00%	813,750	0	0	(6,396)	807,354	1.45	1.45	0	0	0	0
2042	2043	574,096,266	3.00%	0	0	0	0	0	0.00	0.00	0	0	0	0
				$22,345,855	($5,000)	$211,186	($326,318)	$22,225,723					$1,331,587	

2024 EPP is estimated

[1] Includes $0 of equivalent IFT valuations & less DDA/TIFA debt captures of $0 for 2024.
[2] Includes principal outstanding: $16,295,000 of unlimited tax bonds and $0 of limited tax bonds
[3] Based on $4,092,346 of Exempt Personal Property for 2024

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Table_PQ

$23,000,000
HOUGHTON-PORTAGE TOWNSHIP SCHOOL DISTRICT
COUNTY OF HOUGHTON, STATE OF MICHIGAN
2025, 2026 SCHOOL BUILDING AND SITE BONDS
(GENERAL OBLIGATION - UNLIMITED TAX)

ESTIMATED MILLAGE NEEDED TO RETIRE BONDED DEBT

	Series 2025	Series 2026
Amount:	$4,300,000	$18,700,000
TIC:	4.50%	5.00%
Dated Date:	Mar 1, 25	Jun 1, 26
First Payment:	Nov 1, 25 < 8 Months	Nov 1, 26
First Levy:	Jul 1, 25	Jul 1, 26
Capitalized Int:	$0	$0
Debt/TV[1]:	6.58%	9.92%
Bond Term:	20 yrs., 2 mo.	29 yrs., 11 mo.
1:5 Ratio:	TRUE	TRUE
Average Life:	14.36	22.00
120% ProjUsefulLife:	42.59	43.23

Ballot Information	
Election Date	November 5, 2024
First Yr. Millage	0.00
Avg. Millage	2.77

Levy Cycle	Split Levy
Millage Impact	
Projected	9.64
Current	9.64
Net Increase	0.00

Interest Factor
1.04

Current Interest Bonds	$23,351,258
School Bond Loan Fund	1,961,772
Less SBLF Interest on Prior Bonds	(1,331,587)
Total Interest Cost	$23,981,443

Last SBLF Borrowing:	2026
Last SBLF Repayment:	2032
Mandatory Repayment:	2032

Tax Year	Fiscal Year End	Existing UTQ Debt $16,295,000	Series 2025 Interest Due Nov 1	Series 2025 Interest Due May 1	Series 2025 Interest Rate	Series 2025 Principal Due May 1	Series 2025 Total Debt Service	Series 2026 Principal Due May 1	Series 2026 Total Debt Service	Reimbursement Amount[3]	Delinquency Allowance 7.00%	Use of Funds on Hand $5,000	Proposed and Existing UTQ Debt	Projected Tax Base[2]	Growth Rate	Mills Needed New Bond Avg. 2.77	Mills Needed All Qualified Debt	Mills Levied Qualified Debt	School Bond Loan Fund (Interest Rate: 5.00%) July 1 Beginning Balance	(Borrowed) / Repaid	Accrued Interest During Year	Year End Balance	Net District Payments $75,922,777
2024	2025	$3,224,070	$0	$0	4.500%	$0	$0	$0	$0	($36,381)	$211,186	($5,000)	$3,393,875	$312,960,158	6.30%		10.84	9.64	$5,724,004	($376,939)	$292,842	$6,393,784	$3,016,936
2025	2026	3,223,335	129,000	96,750	4.500%	0	225,750	0	0	(36,381)	0	0	3,412,704	328,608,166	5.00%	0.00	10.39	9.64	6,393,784	(244,921)	321,830	6,960,536	3,167,783
2026	2027	1,334,150	96,750	96,750	4.500%	0	193,500	0	857,083	(36,381)	0	0	2,348,352	344,217,054	4.75%	0.00	6.82	9.64	6,960,536	969,900	340,145	6,330,781	3,318,252
2027	2028	1,303,500	96,750	96,750	4.500%	0	193,500	0	935,000	(36,381)	0	0	2,395,619	359,706,821	4.50%	0.00	6.66	9.64	6,330,781	1,071,955	307,616	5,566,442	3,467,574
2028	2029	1,265,550	96,750	96,750	4.500%	25,000	218,500	0	935,000	(36,381)	0	0	2,382,669	374,994,361	4.25%	0.00	6.35	9.64	5,566,442	1,232,277	267,606	4,601,772	3,614,946
2029	2030	992,750	96,188	96,188	4.500%	60,000	252,375	25,000	960,000	(36,381)	0	0	2,168,744	390,931,621	4.25%	5.03	5.55	9.64	4,601,772	1,599,837	216,486	3,218,421	3,768,581
2030	2031	985,000	94,838	94,838	4.500%	60,000	249,675	50,000	983,750	(36,381)	0	0	2,182,044	402,659,570	3.00%	7.24	5.42	9.64	3,218,421	1,699,594	146,363	1,665,190	3,881,638
2031	2032	976,250	93,488	93,488	4.500%	60,000	246,975	70,000	1,001,250	(36,381)	0	0	2,188,094	414,739,357	3.00%	7.13	5.28	9.46	1,665,190	1,734,073	68,883	(0)	3,922,167
2032	2033	966,500	92,138	92,138	4.500%	235,000	419,275	200,000	1,127,750	(36,381)	0	0	2,477,144	427,181,538	3.00%	3.62	5.80	5.80	(0)	0	(0)	(0)	2,477,144
2033	2034	955,750	86,850	86,850	4.500%	250,000	423,700	215,000	1,132,750	(23,731)	0	0	2,488,469	439,996,984	3.00%	3.54	5.66	5.66	(0)	0	(0)	(0)	2,488,469
2034	2035	944,000	81,225	81,225	4.500%	260,000	422,450	240,000	1,147,000	(23,145)	0	0	2,490,305	453,196,894	3.00%	3.46	5.49	5.49	(0)	0	(0)	(0)	2,490,305
2035	2036	931,250	75,375	75,375	4.500%	275,000	425,750	265,000	1,160,000	(22,487)	0	0	2,494,513	466,792,800	3.00%	3.40	5.34	5.34	(0)	0	(0)	(0)	2,494,513
2036	2037	917,500	69,188	69,188	4.500%	285,000	423,375	295,000	1,176,750	(21,869)	0	0	2,495,756	480,796,584	3.00%	3.33	5.19	5.19	(0)	0	(0)	(0)	2,495,756
2037	2038	902,750	62,775	62,775	4.500%	300,000	425,550	320,000	1,187,000	(21,243)	0	0	2,494,057	495,220,482	3.00%	3.26	5.04	5.04	(0)	0	(0)	(0)	2,494,057
2038	2039	887,000	56,025	56,025	4.500%	310,000	422,050	355,000	1,206,000	(20,610)	0	0	2,494,440	510,077,096	3.00%	3.19	4.89	4.89	(0)	0	(0)	(0)	2,494,440
2039	2040	870,250	49,050	49,050	4.500%	325,000	423,100	390,000	1,223,250	(20,013)	0	0	2,496,587	525,379,409	3.00%	3.13	4.75	4.75	(0)	0	(0)	(0)	2,496,587
2040	2041	852,500	41,738	41,738	4.500%	340,000	423,475	430,000	1,243,750	(19,447)	0	0	2,500,278	541,140,792	3.00%	3.08	4.62	4.62	(0)	0	(0)	(0)	2,500,278
2041	2042	813,750	34,088	34,088	4.500%	355,000	423,175	490,000	1,282,250	(18,908)	0	0	2,500,267	557,375,015	3.00%	3.06	4.49	4.49	(0)	0	(0)	(0)	2,500,267
2042	2043	0	26,100	26,100	4.500%	370,000	422,200	785,000	1,552,750	(18,357)	0	0	1,956,593	574,096,266	3.00%	3.41	3.41	3.41	(0)	0	(0)	(0)	1,956,593
2043	2044	0	17,775	17,775	4.500%	390,000	425,550	825,000	1,553,500	(13,947)	0	0	1,965,103	591,319,154	3.00%	3.32	3.32	3.32	(0)	0	(0)	(0)	1,965,103
2044	2045	0	9,000	9,000	4.500%	400,000	418,000	865,000	1,552,250	(13,600)	0	0	1,956,650	609,058,728	3.00%	3.21	3.21	3.21	(0)	0	(0)	(0)	1,956,650
2045	2046	0	0	0	4.500%	0	0	905,000	1,549,000	(13,147)	0	0	1,535,853	627,330,490	3.00%	2.45	2.45	2.45	(0)	0	(0)	(0)	1,535,853
2046	2047	0	0	0	4.500%	0	0	950,000	1,548,750	(10,019)	0	0	1,538,731	646,150,405	3.00%	2.38	2.38	2.38	(0)	0	(0)	(0)	1,538,731
2047	2048	0	0	0	4.500%	0	0	1,000,000	1,551,250	(9,745)	0	0	1,541,505	665,534,917	3.00%	2.32	2.32	2.32	(0)	0	(0)	(0)	1,541,505
2048	2049	0	0	0	4.500%	0	0	1,050,000	1,551,250	(9,479)	0	0	1,541,771	685,500,965	3.00%	2.25	2.25	2.25	(0)	0	(0)	(0)	1,541,771
2049	2050	0	0	0	4.500%	0	0	1,105,000	1,553,750	(9,204)	0	0	1,544,546	706,065,993	3.00%	2.19	2.19	2.19	(0)	0	(0)	(0)	1,544,546
2050	2051	0	0	0	4.500%	0	0	1,160,000	1,553,500	(8,952)	0	0	1,544,548	727,247,973	3.00%	2.12	2.12	2.12	(0)	0	(0)	(0)	1,544,548
2051	2052	0	0	0	4.500%	0	0	1,215,000	1,550,500	(8,691)	0	0	1,541,809	749,065,412	3.00%	2.06	2.06	2.06	(0)	0	(0)	(0)	1,541,809
2052	2053	0	0	0	4.500%	0	0	1,275,000	1,549,750	(8,423)	0	0	1,541,327	771,537,375	3.00%	2.00	2.00	2.00	(0)	0	(0)	(0)	1,541,327
2053	2054	0	0	0	4.500%	0	0	1,340,000	1,551,000	(8,175)	0	0	1,542,825	794,683,496	3.00%	1.94	1.94	1.94	(0)	0	(0)	(0)	1,542,825
2054	2055	0	0	0	4.500%	0	0	1,410,000	1,554,000	(7,945)	0	0	1,546,055	818,524,001	3.00%	1.89	1.89	1.89	(0)	0	(0)	(0)	1,546,055
2055	2056	0	0	0	4.500%	0	0	1,470,000	1,543,500	(7,730)	0	0	1,535,770	843,079,721	3.00%	1.82	1.82	1.82	(0)	0	(0)	(0)	1,535,770
2056	2057	0	0	0	4.500%	0	0	0	0	0	0	0	0	868,372,113	3.00%		0.00	0.00	(0)	(0)	(0)	0	(0)
		$22,345,855	$1,405,088	$1,372,838		$4,300,000	$7,077,925	$18,700,000	$39,273,333	($666,297)	$211,186	($5,000)	$68,237,001										$75,922,777

NOTE: The Mills to be Levied is estimated. The actual millage shall be determined ANNUALLY by the Department of Treasury.
[1] Includes $16,295,000 of Existing UT Debt and $0 of Existing LTNQ Debt
[2] Includes $0 of equivalent IFT valuations & less DDA/TIFA debt captures of $0 for 2025.
[3] Based on $4,092,346 of Exempt Personal Property for 2024

NT/spw

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PQ 2025

$4,300,000

HOUGHTON-PORTAGE TOWNSHIP SCHOOL DISTRICT
2025 SCHOOL BUILDING AND SITE BONDS

BOND SIZING SCHEDULE				
ESTIMATED BOND ISSUANCE COSTS				
Bond Discount	1.000%	$43,000	**ESTIMATED OTHER COSTS**	
Bond Insurance		0	Reimbursable Election Costs	$10,000
Bond Attorney Fee		24,380	Capitalized Interest	0
Financial Consultant Fee		23,050	Other	0
Credit Rating		14,500	**TOTAL OTHER COSTS**	$10,000
Qualification of Bonds		5,000	**BOND SIZING**	
Official Statement Printing & Mailing		2,500	Total Bond Issuance and Other Costs	$125,840
Notice of Sale Publication		1,600	Total Project Expenditures	4,235,244
Treasury Filing Fee(s)		860	Total Project, Issuance & Other Costs	4,361,084
Auditor's Consent Fee		0	Less Original Issue Premium	0
Paying Agent Upfront Fee		500	Less Estimated Construction Fund Earnings	(61,084)
Municipal Advisory Council Fee		450	Less Other Adjustments	0
TOTAL BOND ISSUANCE COSTS		$115,840	**AMOUNT OF BOND ISSUE**	$4,300,000

PROJECT FUND DRAWS AND EARNINGS SECTION

	Estimated Expenditures			Average Life =	0.57 years			
Date	Project Expenditures	Issuance & Other Costs	Totals	Month	Payout %	Project Fund Balance	Estimated Interest Rate	Projected Interest Earned
Mar 25						$4,300,000		
Mar 25	$282,350	$125,840	$408,190	1	9.36%	3,891,810	2.50%	$8,108
Apr 25	282,350		282,350	2	15.83%	3,617,569	2.50%	7,537
May 25	282,350		282,350	3	22.31%	3,342,756	2.50%	6,964
Jun 25	282,350		282,350	4	28.78%	3,067,370	2.50%	6,390
Jul 25	282,350		282,350	5	35.26%	2,791,411	2.50%	5,815
Aug 25	282,350		282,350	6	41.73%	2,514,877	2.50%	5,239
Sep 25	282,350		282,350	7	48.21%	2,237,767	2.50%	4,662
Oct 25	282,350		282,350	8	54.68%	1,960,079	2.50%	4,083
Nov 25	282,350		282,350	9	61.15%	1,681,813	2.50%	3,504
Dec 25	282,350		282,350	10	67.63%	1,402,967	2.50%	2,923
Jan 26	282,350		282,350	11	74.10%	1,123,540	2.50%	2,341
Feb 26	282,350		282,350	12	80.58%	843,532	2.50%	1,757
Mar 26	282,350		282,350	13	87.05%	562,939	2.50%	1,173
Apr 26	282,350		282,350	14	93.53%	281,763	2.50%	587
May 26	282,350		282,350	15	100.00%	0	2.50%	0
Jun 26	0		0	16	100.00%	0	2.50%	0
	$4,235,244	$125,840	$4,361,084					$61,084

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PQ 2026

$18,700,000

HOUGHTON-PORTAGE TOWNSHIP SCHOOL DISTRICT

2026 SCHOOL BUILDING AND SITE BONDS

BOND SIZING SCHEDULE				
ESTIMATED BOND ISSUANCE COSTS				
Bond Discount	0.750%	$140,250	**ESTIMATED OTHER COSTS**	
Bond Insurance		0	Reimbursable Election Costs	$0
Bond Attorney Fee		43,831	Capitalized Interest	0
Financial Consultant Fee		40,570	Other	0
Credit Rating		25,500	**TOTAL OTHER COSTS**	$0
Qualification of Bonds		7,600	**BOND SIZING**	
Official Statement Printing & Mailing		2,500	Total Bond Issuance and Other Costs	$264,001
Notice of Sale Publication		1,800	Total Project Expenditures	18,884,621
Treasury Filing Fee(s)		1,000	Total Project, Issuance & Other Costs	19,148,622
Auditor's Consent Fee		0	Less Original Issue Premium	0
Paying Agent Upfront Fee		500	Less Estimated Construction Fund Earnings	(448,622)
Municipal Advisory Council Fee		450	Less Other Adjustments	0
TOTAL BOND ISSUANCE COSTS		$264,001	**AMOUNT OF BOND ISSUE**	$18,700,000

PROJECT FUND DRAWS AND EARNINGS SECTION

Date	Estimated Expenditures: Project Expenditures	Issuance & Other Costs	Totals	Average Life = 1.22 years Month	Payout %	Project Fund Balance	Estimated Interest Rate	Projected Interest Earned
Jun 26						$18,700,000		
Jun 26	$629,487	$264,001	$893,489	1	4.67%	17,806,511	2.00%	$29,678
Jul 26	629,487		629,487	2	7.95%	17,206,702	2.00%	28,678
Aug 26	629,487		629,487	3	11.24%	16,605,892	2.00%	27,676
Sep 26	629,487		629,487	4	14.53%	16,004,081	2.00%	26,673
Oct 26	629,487		629,487	5	17.82%	15,401,267	2.00%	25,669
Nov 26	629,487		629,487	6	21.10%	14,797,449	2.00%	24,662
Dec 26	629,487		629,487	7	24.39%	14,192,624	2.00%	23,654
Jan 27	629,487		629,487	8	27.68%	13,586,791	2.00%	22,645
Feb 27	629,487		629,487	9	30.97%	12,979,948	2.00%	21,633
Mar 27	629,487		629,487	10	34.25%	12,372,094	2.00%	20,620
Apr 27	629,487		629,487	11	37.54%	11,763,227	2.00%	19,605
May 27	629,487		629,487	12	40.83%	11,153,345	2.00%	18,589
Jun 27	629,487		629,487	13	44.11%	10,542,446	2.00%	17,571
Jul 27	629,487		629,487	14	47.40%	9,930,530	2.00%	16,551
Aug 27	629,487		629,487	15	50.69%	9,317,593	2.00%	15,529
Sep 27	629,487		629,487	16	53.98%	8,703,635	2.00%	14,506
Oct 27	629,487		629,487	17	57.26%	8,088,654	2.00%	13,481
Nov 27	629,487		629,487	18	60.55%	7,472,648	2.00%	12,454
Dec 27	629,487		629,487	19	63.84%	6,855,615	2.00%	11,426
Jan 28	629,487		629,487	20	67.13%	6,237,553	2.00%	10,396
Feb 28	629,487		629,487	21	70.41%	5,618,462	2.00%	9,364
Mar 28	629,487		629,487	22	73.70%	4,998,339	2.00%	8,331
Apr 28	629,487		629,487	23	76.99%	4,377,182	2.00%	7,295
May 28	629,487		629,487	24	80.28%	3,754,990	2.00%	6,258
Jun 28	629,487		629,487	25	83.56%	3,131,761	2.00%	5,220
Jul 28	629,487		629,487	26	86.85%	2,507,493	2.00%	4,179
Aug 28	629,487		629,487	27	90.14%	1,882,185	2.00%	3,137
Sep 28	629,487		629,487	28	93.43%	1,255,834	2.00%	2,093
Oct 28	629,487		629,487	29	96.71%	628,440	2.00%	1,047
Nov 28	629,487		629,487	30	100.00%	0	2.00%	0
Dec 28	0		0	31	100.00%	0	2.00%	0
	$18,884,621	$264,001	$19,148,622					$448,622

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HOUGHTON-PORTAGE TOWNSHIP SCHOOL DISTRICT
COUNTY OF HOUGHTON, STATE OF MICHIGAN
Taxable Value History
2024 EPP is estimated

Levy Year	Taxable Value	Exempt Personal Property	Adjusted Total	T.V. Change	Adjusted T.V. Change	5 Year Average	20 Year Average
2024	$312,960,158	$4,092,346	$317,052,504	6.39%	6.30%	5.55%	4.02%
2023	294,158,207	4,092,346	298,250,553	5.98%	6.19%	5.06%	3.96%
2022	277,566,168	3,304,255	280,870,423	6.72%	6.39%	4.47%	3.78%
2021	260,091,807	3,899,630	263,991,437	4.11%	4.03%	3.69%	3.72%
2020	249,815,702	3,946,534	253,762,236	3.22%	4.85%	3.38%	
2019	242,025,582	0	242,025,582	3.85%	3.85%	2.80%	
2018	233,045,245	0	233,045,245	3.21%	3.21%	2.69%	
2017	225,788,548	0	225,788,548	2.51%	2.51%	2.64%	
2016	220,265,974	0	220,265,974	2.48%	2.48%	2.57%	
2015	214,927,940	0	214,927,940	1.94%	1.94%	2.47%	
2014	210,835,555	0	210,835,555	3.32%	3.32%	2.20%	
2013	204,061,397	0	204,061,397	2.95%	2.95%	2.57%	
2012	198,214,622	0	198,214,622	2.14%	2.14%	2.61%	
2011	194,055,972	0	194,055,972	2.00%	2.00%	3.51%	
2010	190,243,224	0	190,243,224	0.60%	0.60%	4.75%	
2009	189,111,717	0	189,111,717	5.16%	5.16%	5.52%	
2008	179,824,848	0	179,824,848	3.12%	3.12%	5.53%	
2007	174,384,064	0	174,384,064	6.68%	6.68%	5.39%	
2006	163,462,720	0	163,462,720	8.20%	8.20%	5.12%	
2005	151,067,933	0	151,067,933	4.41%	4.41%		
2004	144,682,926	0	144,682,926	5.21%	5.21%		
2003	137,517,055	0	137,517,055	2.43%	2.43%		
2002	134,258,239	0	134,258,239	5.34%	5.34%		
2001	127,446,943	0	127,446,943				

Enrollment Projections

Houghton-Portage Township School District	31110

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 Shannon Finnila - Integrated Designs, Inc.

Source Michigan Alliance for Student Opportunity

Explanation of Method Selected

Method 5

Subtotals by Grade:

Grade *1*	Preceding 5-Year Enrollment *2*	*2023/2024* Current Enrollment *3*	*2028/2029* Projected 5-Year Enrollment *4*	*(Col 4 - Col 3) / Col 3* Pojected Enrollment Change (%) *5*
K		112	110	-1.79%
1		102	93	-8.82%
2		108	97	-10.19%
3		114	99	-13.16%
4		107	104	-2.80%
5		111	108	-2.70%
6		116	122	5.17%
7		120	126	5.00%
8		110	133	20.91%
9		128	130	1.56%
10		123	135	9.76%
11		120	132	10.00%
12		107	133	24.30%
Total	**1,409**	**1,478**	**1,522**	**2.98%**

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

Early Childhood Center				Project No.	1
Proposal #:	Series 1	Series 2	Series 3	Series 4	
The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.	[ ] New stand-alone bldg	[x] New stand-alone bldg	[ ] New stand-alone bldg	[ ] New stand-alone bldg	*For multiple proposals, include a separate project page for each.*
	[ ] New addition	[ ] New addition	[ ] New addition	[ ] New addition	
	[ ] Remodeling	[ ] Remodeling	[ ] Remodeling	[ ] Remodeling	
	[ ] Instructional tech.	[x] Instructional tech.	[ ] Instructional tech.	[ ] Instructional tech.	
	[ ] Furnishings/Equip.	[x] Furnishings/Equip.	[ ] Furnishings/Equip.	[ ] Furnishings/Equip.	
	[ ] Buses	[ ] Buses	[ ] Buses	[ ] Buses	
	[ ] Site work	[x] Site work	[ ] Site work	[ ] Site work	
	[ ] Building shutdown (demo/closure)	[ ] Building shutdown (demo/closure)	[ ] Building shutdown (demo/closure)	[ ] Building shutdown (demo/closure)	
	[x] Site acquisition	[ ] Site acquisition	[ ] Site acquisition	[ ] Site acquisition	

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft	**25,000**	**Cost per Sq Ft**	$ 350
New Addition Square Ft.		**Cost per Sq Ft**	

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

[x] None noted	[ ] Asbestos abatement	[ ] Energy efficiencies	[ ] ADA requirements
[ ] Other - please list:	**1.**	**2.**	**3.**

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction		8,750,000			**8,750,000**
Remodeling					**0**
Construction Contingencies		934,000			**934,000**
Instructional Technology		1,000			**1,000**
Loose Furnishing/Equipment		1,000			**1,000**
Buses					**0**
Site Work		590,000			**590,000**
Site Acquisition	400,000				**400,000**
Architectural Fees and Costs		717,976			**717,976**
CM Fees and Costs		718,180			**718,180**
Estimated Costs	**400,000**	**11,712,156**		**0**	**12,112,156**

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.

	6/13/2024	Integrated Designs, Inc. - 1301055100
Signature	Date	Firm Name and License Number
Travis D. Hongisto	travis@intdesigns.com	906.228.4480
Printed Name	E-mail Address	Phone Number

Early Childhood Center
Series 1
Project Cost Detail

PROJECT CATEGORY AND DESCRIPTION	QUANTITY	UNIT OF MEASUR	UNIT COST	ESTIMATED COSTS	TOTAL CATEGORY COST
NEW CONSTRUCTION					
				$ -	
				$ -	
				$ -	
				$ -	
				$ -	
				$ -	
				$ -	$ -
REMODELING					
				$ -	
				$ -	
				$ -	
				$ -	$ -
INSTRUCTIONAL TECHNOLOGY					
				$ -	
				$ -	
				$ -	$ -
LOOSE FURNISHINGS/EQUIPMENT					
				$ -	
				$ -	
				$ -	
				$ -	$ -
BUSES				$ -	$ -
SITE WORK					
				$ -	
				$ -	
				$ -	$ -
SITE ACQUISITION					$ 400,000
CONSTRUCTION CONTINGENCIES					$ -
ARCHITECTURAL FEES AND COSTS					$ -
CM FEES AND COSTS					$ -
TOTAL PROJECT COSTS					$ 400,000

IDI integrated designs inc. ARCHITECTURE ENGINEERING CONSULTING

Early Childhood Center
Series 2
Project Cost Detail

PROJECT CATEGORY AND DESCRIPTION	QUANTITY	UNIT OF MEASUR	UNIT COST	ESTIMATED COSTS	TOTAL CATEGORY COST
NEW CONSTRUCTION					
Early Childhood Center	25,000	SF	$ 350	$ 8,750,000	
				$ -	
				$ -	
				$ -	
				$ -	
				$ -	
				$ -	$ 8,750,000
REMODELING					
				$ -	
				$ -	
				$ -	
				$ -	$ -
INSTRUCTIONAL TECHNOLOGY					
Interactive smart boards & devices	1	LS	$ 1,000.00	$ 1,000	
				$ -	
				$ -	$ 1,000
LOOSE FURNISHINGS/EQUIPMENT					
Classroom desks	1	LS	$ 1,000.00	$ 1,000	
				$ -	
				$ -	
				$ -	$ 1,000
BUSES				$ -	$ -
SITE WORK					
Site development of utilities, parking, playground	1	LS	$ 590,000	$ 590,000	
				$ -	
				$ -	$ 590,000
SITE ACQUISITION					$ -
CONSTRUCTION CONTINGENCIES					$ 934,000
ARCHITECTURAL FEES AND COSTS					$ 717,976
CM FEES AND COSTS					$ 718,180
TOTAL PROJECT COSTS					$ 11,712,156

IDI integrated designs inc. ARCHITECTURE ENGINEERING CONSULTING

Building Utilization

School Building Name

Early Childhood Center

Project No. 1

Current Grade Structure N/A

Proposed Grade Structure Pre-K - K

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

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

Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	5	20	100
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	**5**		**100**
Total	**5**		**100**

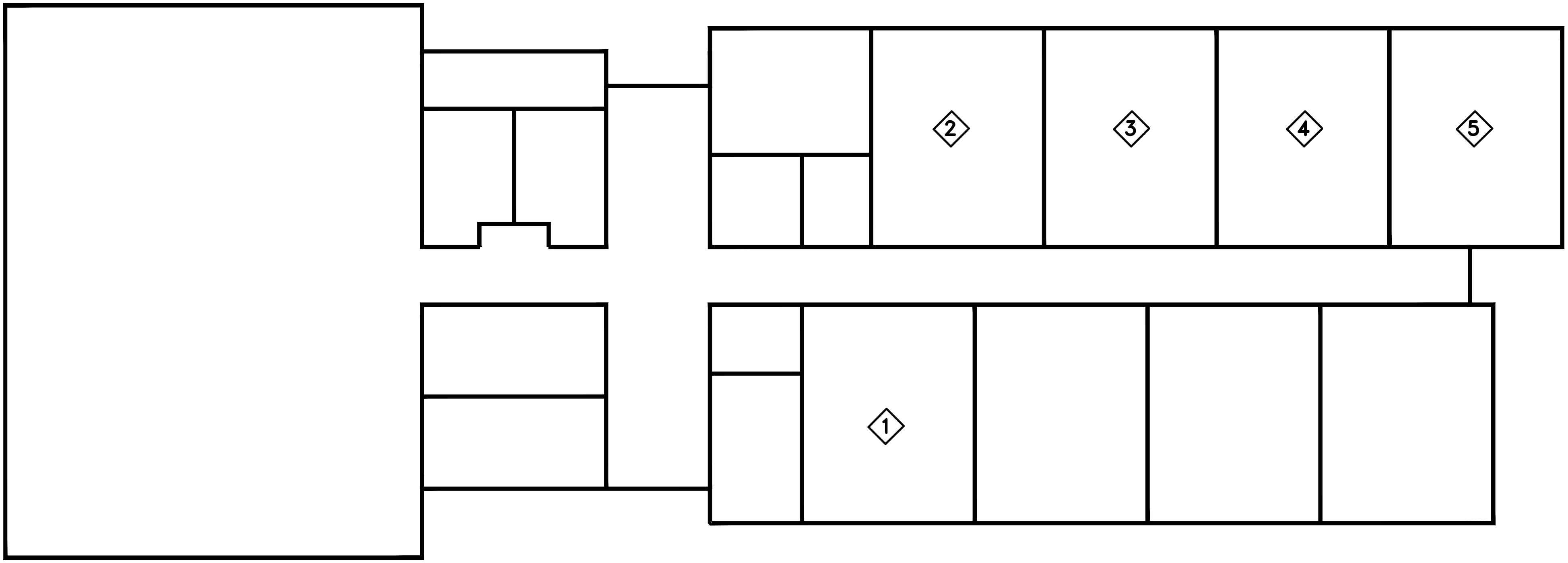
Facility to be Closed	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Total	**0**		**0**

Projected 5-Year Enrollment **110**

Utilization Percentage **110%**

(Projected 5-Year Enrollment / Total Capacity)

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



FLOOR PLAN
SCALE: NONE

HOUGHTON PORTAGE TOWNSHIP SCHOOLS
EARLY CHILDHOOD CENTER
TEACHING STATIONS

IDI INTEGRATED DESIGNS INC.
ARCHITECTURE
ENGINEERING
CONSULTING

MARQUETTE OFFICE:
1021 W. BARAGA AVENUE
MARQUETTE, MI 49855
PHONE: (906)228-4480
FAX: (906)228-7524

BRIGHTON OFFICE:
8571 W. GRAND RIVER AVE., SUITE 600
BRIGHTON, MI 48816
PHONE: (810)229-2701
FAX: (810)229-6767

IDI Project No: 23-087 06.12.2024

(x) EXISTING TEACHING STATION
◇x NEW TEACHING STATION

Project Sheet

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

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft		**Cost per Sq Ft**	
New Addition Square Ft.	**5,600**	**Cost per Sq Ft**	$ 300

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

[ ] None noted	[ ] Asbestos abatement	[x] Energy efficiencies	[ ] ADA requirements		
[ ] Other - please list:	**1.**		**3.**		

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction	1,680,000				**1,680,000**
Remodeling	1,378,450	318,700			**1,697,150**
Construction Contingencies	305,845	55,870			**361,715**
Instructional Technology		95,000			**95,000**
Loose Furnishing/Equipment		5,000			**5,000**
Buses					**0**
Site Work		240,000			**240,000**
Site Acquisition					**0**
Architectural Fees and Costs	235,449	43,020			**278,469**
CM Fees and Costs	235,501	43,020			**278,521**
Estimated Costs	**3,835,244**	**800,610**		**0**	**4,635,854**

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.

	6/13/2024	Integrated Designs, Inc. - 1301055100
Signature	Date	Firm Name and License Number
Travis D. Hongisto	travis@intdesigns.com	906.228.4480
Printed Name	E-mail Address	Phone Number

Houghton Elementary School

Series 1

Project Cost Detail

PROJECT CATEGORY AND DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT COST	ESTIMATED COSTS	TOTAL CATEGORY COST
NEW CONSTRUCTION					
Conference Room and Multi-purpose room addition	5,600	SF	$ 300	$ 1,680,000	
				$ -	
				$ -	
				$ -	$ 1,680,000
REMODELING					
Secure entrance and office renovations	1,900	SF	$ 125	$ 237,500	
Old science room renovation to STEM lab	1,425	SF	$ 100	$ 142,500	
Replace (2) distribution pumps	2	EA	$ 9,000	$ 18,000	
Replace exhaust fan serving locker rooms & toilet rooms near lobby	1	EA	$ 2,000	$ 2,000	
Replace all pneumatic controls & valves to automated system	2	LS	$ 225,000	$ 450,000	
Replace Air Handler & Air Cooled Condensors serving Media Center & Comput	1	EA	$ 68,000	$ 68,000	
Replace Air Handler serving NW classrooms and Kitchen	1	EA	$ 58,000	$ 58,000	
Replace 1972 Air Handler serving Multi-Purpose room	1	EA	$ 58,000	$ 58,000	
Replace exhaust fan serving North toilet rooms	1	EA	$ 1,750	$ 1,750	
Replace (8) exhaust fans serving classroom toilet rooms & roof curbs	8	EA	$ 2,400	$ 19,200	
Replace (2) lavatories near main lobby	2	EA	$ 4,000	$ 8,000	
Replace outlets in kitchen area with Ground Fault type	1	LS	$ 3,500	$ 3,500	
Replace fire alarm system throughout building with new code compliant voice annunciation style system	78,000	SF	$ 4	$ 312,000	
				$ -	$ 1,378,450
INSTRUCTIONAL TECHNOLOGY					
				$ -	
				$ -	
				$ -	$ -
LOOSE FURNISHINGS/EQUIPMENT					
				$ -	
				$ -	
				$ -	
				$ -	$ -
BUSES				$ -	$ -
SITE WORK					
				$ -	
				$ -	
				$ -	
				$ -	
				$ -	$ -
SITE ACQUISITION					$ -
CONSTRUCTION CONTINGENCIES					$ 305,845
ARCHITECTURAL FEES AND COSTS					$ 235,449
CM FEES AND COSTS					$ 235,501
TOTAL PROJECT COSTS					$ 3,835,244

IDI integrated designs inc. ARCHITECTURE ENGINEERING CONSULTING

Houghton Elementary School

Series 2

Project Cost Detail

PROJECT CATEGORY AND DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT COST	ESTIMATED COSTS	TOTAL CATEGORY COST
NEW CONSTRUCTION					
				$ -	
				$ -	
				$ -	
				$ -	$ -
REMODELING					
Replace Windows	1	LS	$ 75,000	$ 75,000	
Replace Exterior Doors	1	LS	$ 50,000	$ 50,000	
Renovate Classrooms to accommodate Kindergarten move	1	LS	$ 64,500	$ 64,500	
Replace and Add Additional Lockers	380	EA	$ 340	$ 129,200	
				$ -	
				$ -	$ 318,700
INSTRUCTIONAL TECHNOLOGY					
Upgrade technology w/ interactive smart boards & devices	1	LS	$ 95,000	$ 95,000	
				$ -	
				$ -	$ 95,000
LOOSE FURNISHINGS/EQUIPMENT					
Conference room furniture	1	LS	$ 5,000	$ 5,000	
				$ -	
				$ -	
				$ -	$ 5,000
BUSES				$ -	$ -
SITE WORK					
Create a staff parking lot	1	LS	$ 240,000	$ 240,000	
				$ -	
				$ -	
				$ -	
				$ -	$ 240,000
SITE ACQUISITION					$ -
CONSTRUCTION CONTINGENCIES					$ 55,870
ARCHITECTURAL FEES AND COSTS					$ 43,020
CM FEES AND COSTS					$ 43,020
TOTAL PROJECT COSTS					$ 800,610

IDI integrated designs inc. ARCHITECTURE ENGINEERING CONSULTING

Building Utilization

School Building Name

Houghton Elementary School **Project No.** **2**

Current Grade Structure K-5
Proposed Grade Structure 1-5

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

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary	10	20	200
(3-5) Upper Elementary	16	25	400
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	**26**		**600**

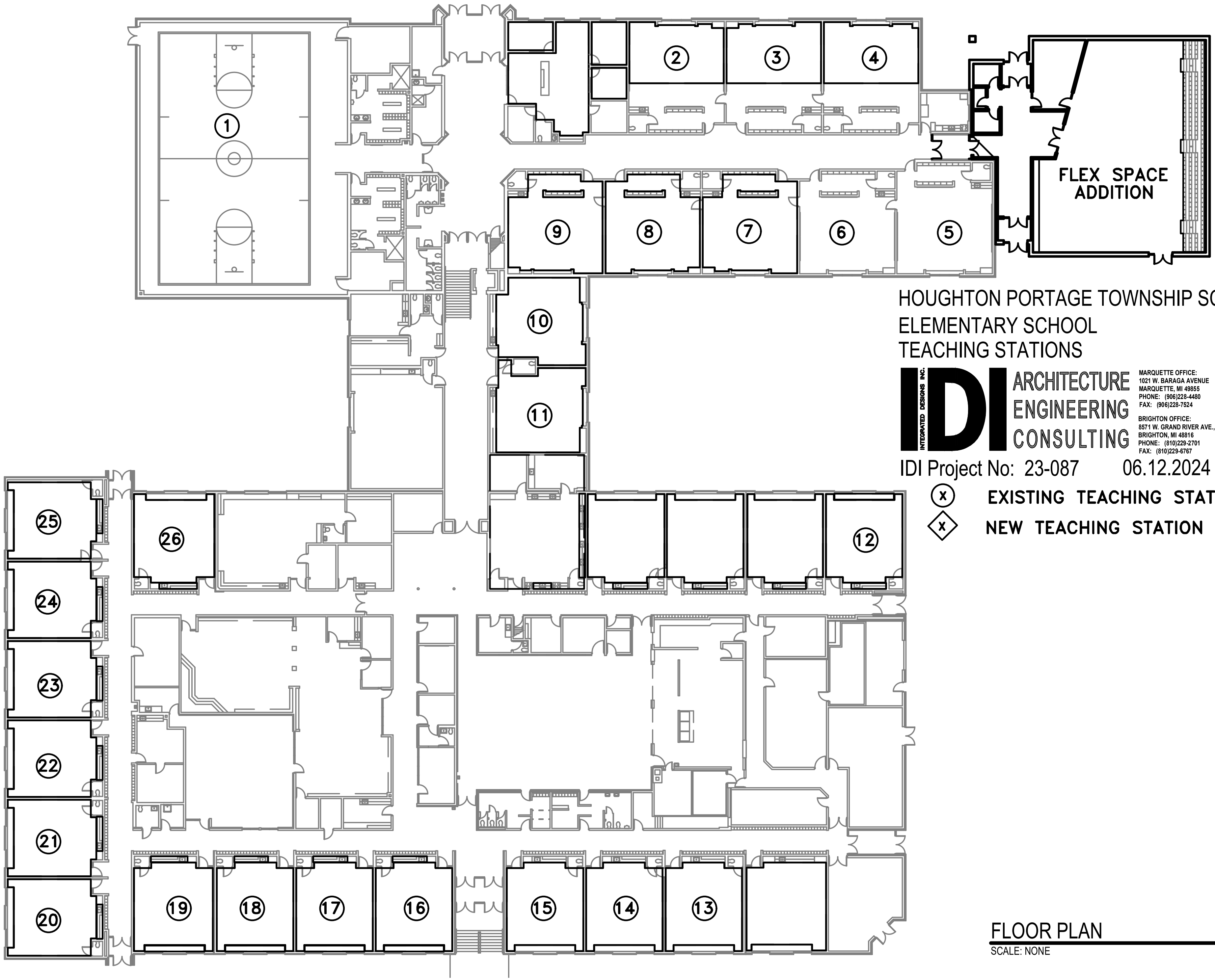
Proposed New	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High		22.5	0
(9-12) High School		21.25	0
Subtotal	**0**		**0**
Total	**26**		**600**

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 **501**

Utilization Percentage **84%**
(Projected 5-Year Enrollment / Total Capacity)

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



HOUGHTON PORTAGE TOWNSHIP SCHOOLS
ELEMENTARY SCHOOL
TEACHING STATIONS

IDI INTEGRATED DESIGNS INC.
ARCHITECTURE
ENGINEERING
CONSULTING

MARQUETTE OFFICE:
1021 W. BARAGA AVENUE
MARQUETTE, MI 49855
PHONE: (906)228-4480
FAX: (906)228-7524

BRIGHTON OFFICE:
8571 W. GRAND RIVER AVE., SUITE 600
BRIGHTON, MI 48816
PHONE: (810)229-2701
FAX: (810)229-6767

IDI Project No: 23-087 06.12.2024

(x) EXISTING TEACHING STATION

◇x NEW TEACHING STATION

FLOOR PLAN
SCALE: NONE

N

SITE PLAN
SCALE: 1 INCH = 50 FEET

N

GRAPHIC SCALE: 1 inch = 50 feet
0 25 50 100 150

ARCHITECTURE
ENGINEERING
CONSULTING
integrated designs inc.

MARQUETTE OFFICE:
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MARQUETTE, MI 49855
PHONE: (906)228-4480 FAX: (906)228-7524
BRIGHTON OFFICE:
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BRIGHTON, MI 48816
PHONE: (810)229-2701 FAX: (810)229-6767

HOUGHTON PORTAGE TOWNSHIP SCHOOLS
PRE-BOND
HOUGHTON, MICHIGAN
PROJECT NO. 23-087

	BY	DATE
DESIGN	----	
DRAWN	----	
CHECKED	----	
APPROVED	----	

NO.	REVISIONS	DATE

ELEMENTARY SCHOOL
CONCEPT

E1

Project Sheet

Houghton Middle/High School				Project No.	3
Proposal #:	Series 1	Series 2	Series 3	Series 4	
The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for each checked box.	☐ New stand-alone bldg	☐ New stand-alone bldg	☐ New stand-alone bldg	☐ New stand-alone bldg	*For multiple proposals, include a separate project page for each.*
	☐ New addition	☐ New addition	☐ New addition	☐ New addition	
	☐ Remodeling	☑ Remodeling	☐ Remodeling	☐ Remodeling	
	☐ Instructional tech.	☑ Instructional tech.	☐ Instructional tech.	☐ Instructional tech.	
	☐ Furnishings/Equip.	☑ Furnishings/Equip.	☐ Furnishings/Equip.	☐ Furnishings/Equip.	
	☐ Buses	☐ Buses	☐ Buses	☐ Buses	
	☐ Site work	☑ Site work	☐ Site work	☐ Site work	
	☐ Building shutdown (demo/closure)	☐ Building shutdown (demo/closure)	☐ Building shutdown (demo/closure)	☐ Building shutdown (demo/closure)	
	☐ Site acquisition	☐ Site acquisition	☐ Site acquisition	☐ Site acquisition	

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft		**Cost per Sq Ft**	
New Addition Square Ft.		**Cost per Sq Ft**	

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

☐ None noted	☐ Asbestos abatement	☑ Energy efficiencies	☐ ADA requirements	
☐ Other - please list:	**1.**	**2.**	**3.**	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction					**0**
Remodeling		4,227,780			**4,227,780**
Construction Contingencies		480,278			**480,278**
Instructional Technology		200,000			**200,000**
Loose Furnishing/Equipment		34,000			**34,000**
Buses					**0**
Site Work		575,000			**575,000**
Site Acquisition					**0**
Architectural Fees and Costs		369,615			**369,615**
CM Fees and Costs		369,814			**369,814**
Estimated Costs	**0**	**6,256,487**		**0**	**6,256,487**

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	Firm Name and License Number
	6/13/2024	Integrated Designs, Inc. - 1301055100

Printed Name	E-mail Address	Phone Number
Travis D. Hongisto	travis@intdesigns.com	906.228.4480

Houghton Middle/High School
Series 2
Project Cost Detail

PROJECT CATEGORY AND DESCRIPTION	QUANTITY	UNIT OF MEASUR	UNIT COST	ESTIMATED COSTS	TOTAL CATEGORY COST
NEW CONSTRUCTION					
				$ -	
				$ -	$ -
REMODELING					
Secure entrance/office/lounge renovations - MS	2,100	SF	$ 150	$ 315,000	
Replace all pneumatic controls and valves into automated system - MS	1	LS	$ 75,000	$ 75,000	
Replace air handling unit 8 - MS	1	EA	$ 58,000	$ 58,000	
Replace Windows - MS	1	LS	$ 100,000	$ 100,000	
Secure entry/office/lounge renovations - HS	2,800	SF	$ 150	$ 420,000	
Renovate computer lab (adjacent to CTE) for robotics - HS	1,300	SF	$ 125	$ 162,500	
Science lab renovations (casework/flooring/sinks/ceiling) - HS	5,000	SF	$ 150	$ 750,000	
CTE Renovations (casework/exhaust/make-up air) - HS	8,500	SF	$ 175	$ 1,487,500	
Replace Windows - HS	1	LS	$ 100,000	$ 100,000	
Replace all pneumatic controls and valves into automated system - HS	1	LS	$ 175,000	$ 175,000	
Replace (3) toilet room exhaust fans - HS	3	EA	$ 1,800	$ 5,400	
Replace existing 1989 Air Handler-7 w/ Air cooled condensor serving main offices & chorus classroom and separate into (3) Roof Top Units to serve Admin/Superintendent, Athletics, and HS offices & (1) Air Handler to serve Chorus - HS	3	EA	$ 30,000	$ 90,000	
Reinsulate existing supply ductwork in areas where condensation is an issue (Art, Robotics, Drafting, Weight Room) - HS	75	LF	$ 64	$ 4,800	
Replace chemical pot feeder in boiler room - HS	1	EA	$ 1,250	$ 1,250	
Replace (2) 1989 Air Handlers serving Auditorium (with Air Cooled Condensor) and Cafeteria (Air Handler-4 & Air Handler-5) - HS	2	EA	$ 58,000	$ 116,000	
Install (12) balancing dampers on supply ducts and diffusers in Auditorium to properly distribute air - HS	12	EA	$ 290	$ 3,480	
Replace existing pool locker room Air Handler with new Energy Recovery Unit - HS	1	EA	$ 15,600	$ 15,600	
Provide floor drain for pool Dectron unit - HS	1	EA	$ 2,500	$ 2,500	
Replace base mounted pool chemical pump and suction fittings, provide a second pump so they can alternate - HS	2	EA	$ 9,000	$ 18,000	
Replace inline pool water recirculation pump - HS	1	EA	$ 6,750	$ 6,750	
Replace Auditorium lighting system with LED, including new control board and audience lighting controls - HS	1	LS	$ 115,000	$ 115,000	
Replace Auditorium sound system - HS	1	LS	$ 45,000	$ 45,000	
Replace/upgrade (2) circuit breaker panels serving kitchen loads - HS	2	EA	$ 10,000	$ 20,000	
Replace (12) faded exit sign lights - HS	12	EA	$ 3,000	$ 36,000	
Update/modify layout staff lounge - HS	700	SF	$ 150	$ 105,000	
				$ -	$ 4,227,780
INSTRUCTIONAL TECHNOLOGY					
Upgrade technology w/ interactive smart boards & devices	1	LS	$ 200,000	$ 200,000	
				$ -	
				$ -	$ 200,000
LOOSE FURNISHINGS/EQUIPMENT					
Upgrade Desks - HS	1	LS	$ 34,000	$ 34,000	
				$ -	
				$ -	
				$ -	$ 34,000
BUSES				$ -	$ -
SITE WORK					
Construct bus drop-off lane adjacent to Gaffney Road	1	LS	$ 200,000	$ 200,000	
New Playground and Outdoor activity area	1	LS	$ 175,000	$ 175,000	
Add student parking at existing gravel lot	1	LS	$ 200,000	$ 200,000	
				$ -	
				$ -	$ 575,000
SITE ACQUISITION					$ -
CONSTRUCTION CONTINGENCIES					$ 480,278
ARCHITECTURAL FEES AND COSTS					$ 369,615
CM FEES AND COSTS					$ 369,814
TOTAL PROJECT COSTS					$ 6,256,487

IDI ARCHITECTURE ENGINEERING CONSULTING

Building Utilization

School Building Name

Houghton Middle/High School **Project No.** 3

Current Grade Structure 6-12
Proposed Grade Structure 6-12

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

Existing	List # of Teaching Stations	Capacity Factor	Capacity
(K-2) Lower Elementary		20	0
(3-5) Upper Elementary		25	0
(6-8) Junior High	19	22.5	428
(9-12) High School	25	21.25	531
Subtotal	**44**		**959**

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**		**959**

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 **911**

Utilization Percentage **95%**
(Projected 5-Year Enrollment / Total Capacity)

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

HOUGHTON PORTAGE TOWNSHIP SCHOOLS
HIGH AND MIDDLE SCHOOL TEACHING STATIONS

IDI ARCHITECTURE ENGINEERING CONSULTING
INTEGRATED DESIGNS INC.
MARQUETTE OFFICE:
1021 W. BARAGA AVENUE
MARQUETTE, MI 49855
PHONE: (906)228-4480
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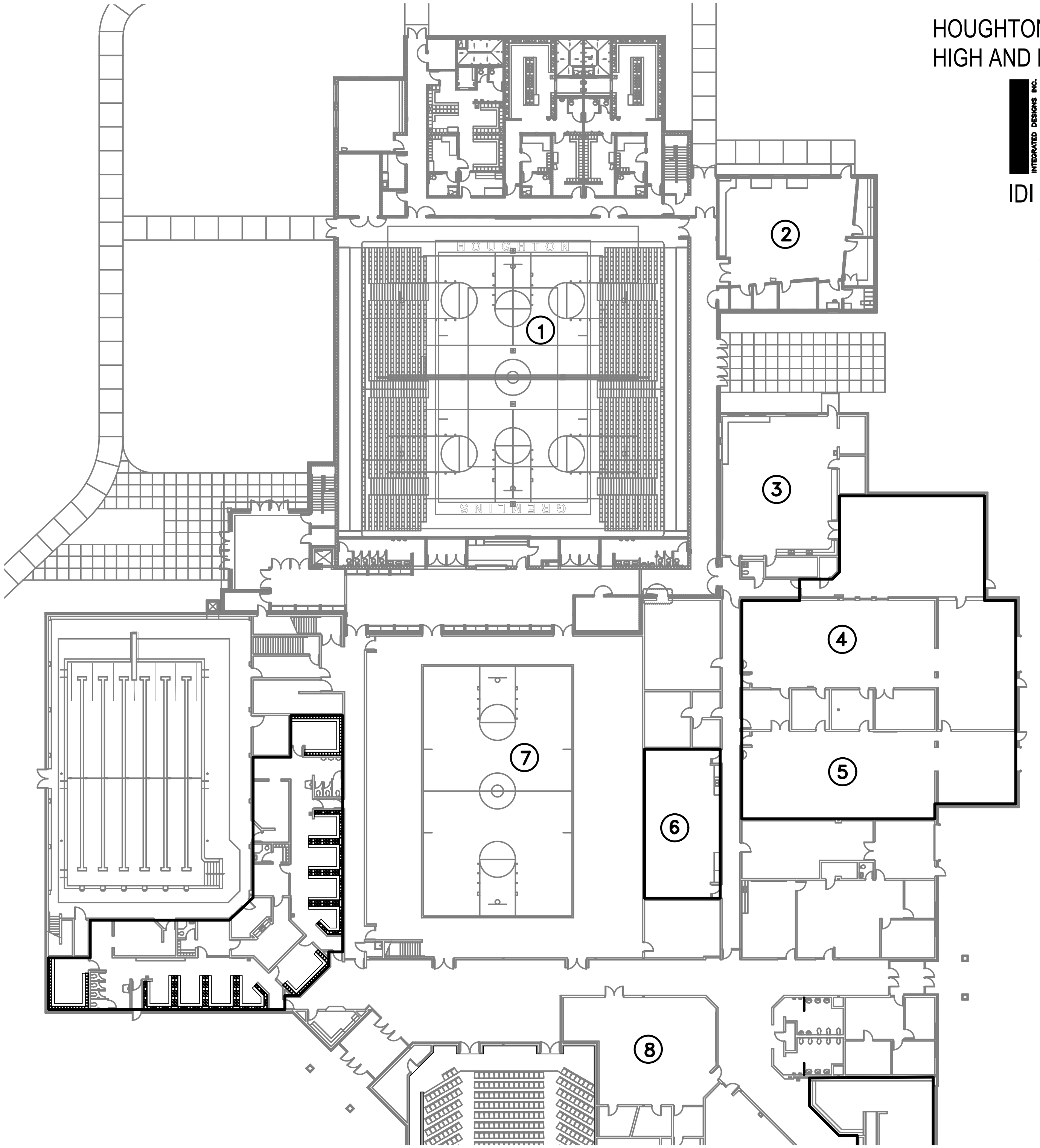
BRIGHTON OFFICE:
8571 W. GRAND RIVER AVE., SUITE 600
BRIGHTON, MI 48816
PHONE: (810)229-2701
FAX: (810)229-6767

IDI Project No: 23-087 06.12.2024

(x) EXISTING TEACHING STATION
◇x NEW TEACHING STATION



NORTH FLOOR PLAN
SCALE: NONE

HOUGHTON PORTAGE TOWNSHIP SCHOOLS
HIGH AND MIDDLE SCHOOL
TEACHING STATIONS

IDI INTEGRATED DESIGNS INC. ARCHITECTURE ENGINEERING CONSULTING

MARQUETTE OFFICE:
1021 W. BARAGA AVENUE
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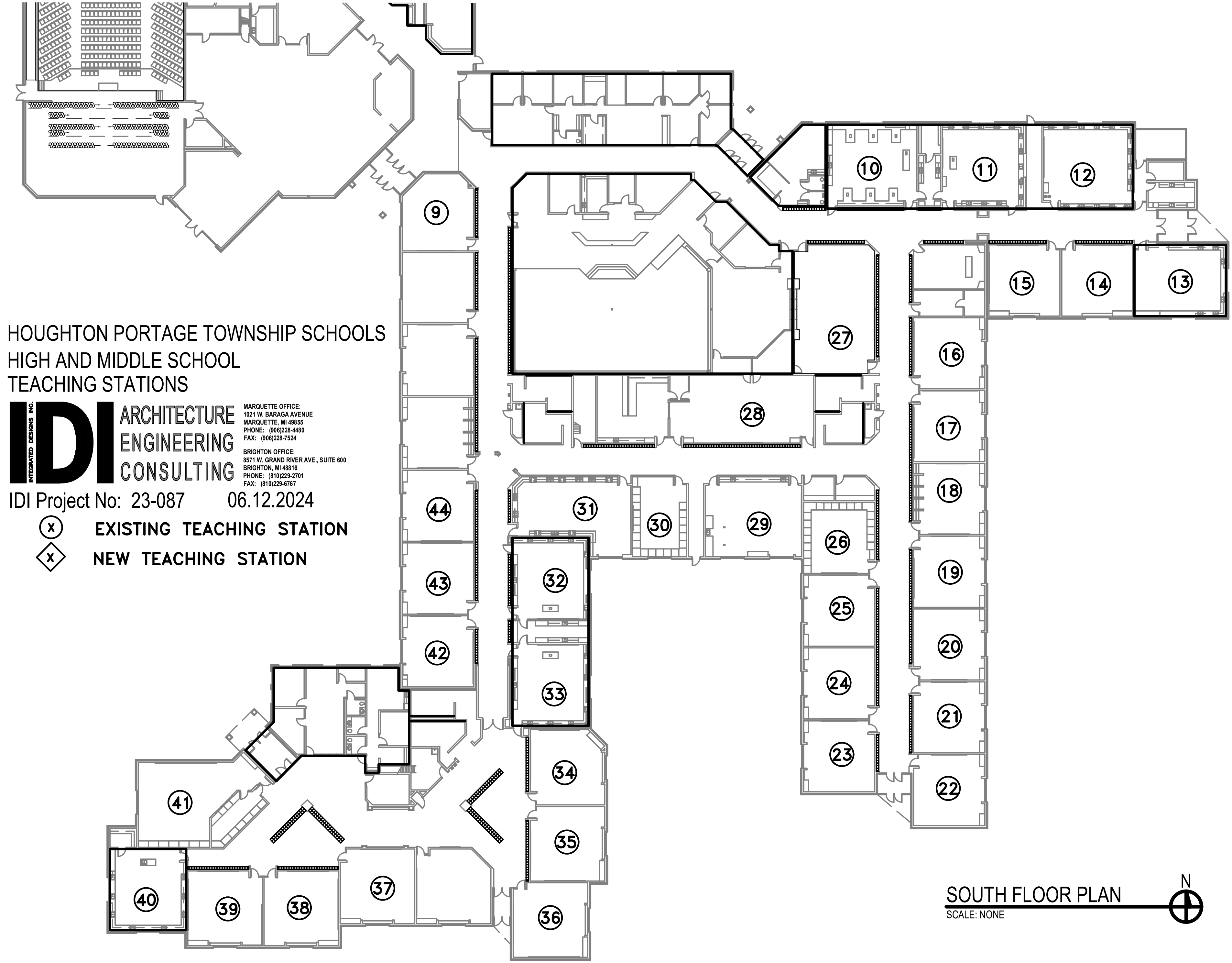
8571 W. GRAND RIVER AVE., SUITE 600
BRIGHTON, MI 48816
PHONE: (810)229-2701
FAX: (810)229-6767

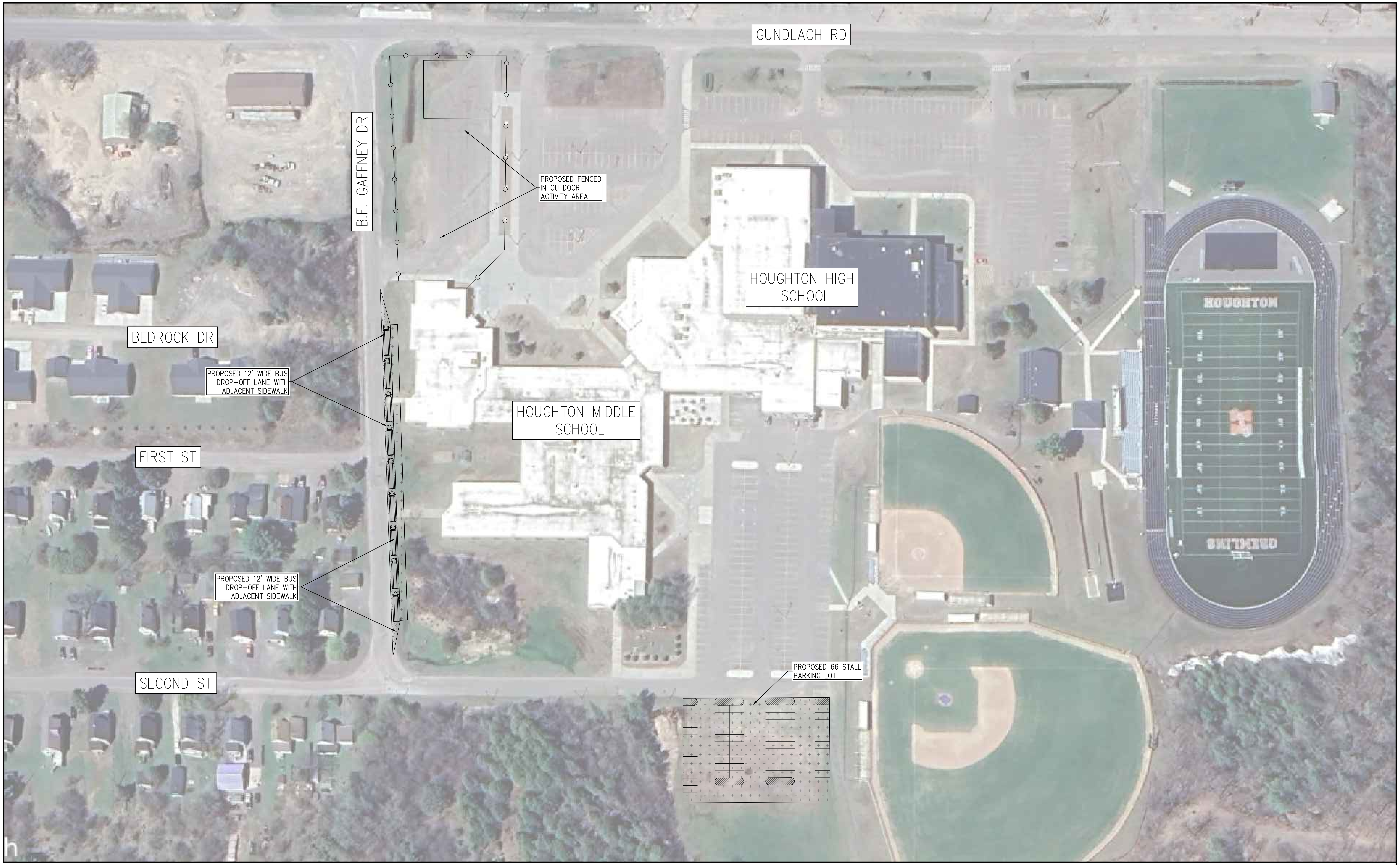
IDI Project No: 23-087 06.12.2024

(x) EXISTING TEACHING STATION

◇x NEW TEACHING STATION



SOUTH FLOOR PLAN
SCALE: NONE



SITE PLAN

SCALE: 1 INCH = 60 FEET

N

GRAPHIC SCALE: 1 inch = 60 feet

0 30 60 120 180

IDI integrated designs inc.
ARCHITECTURE
ENGINEERING
CONSULTING

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MARQUETTE, MI 49855
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BRIGHTON, MI 48816
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HOUGHTON PORTAGE TOWNSHIP SCHOOLS
PRE-BOND
HOUGHTON, MICHIGAN
PROJECT NO. 23-087

	BY	DATE
DESIGN	----	
DRAWN	----	
CHECKED	----	
APPROVED	----	

NO.	REVISIONS	DATE

MIDDLE AND HIGH SCHOOL
CONCEPT

H1

Project Sheet

Bus Garage				**Project No.**	**4**
Proposal #:	Series 1	Series 2	Series 3	Series 4	
	☐ New stand-alone bldg	☐ New stand-alone bldg	☐ New stand-alone bldg	☐ New stand-alone bldg	
	☐ New addition	☐ New addition	☐ New addition	☐ New addition	
The associated Cost Detail page must include a clear, concise, and detailed explanation and breakdown of costs for <u>each checked box</u>.	☐ Remodeling	☑ Remodeling	☐ Remodeling	☐ Remodeling	*For multiple proposals, include a separate project page for each.*
	☐ Instructional tech.	☐ Instructional tech.	☐ Instructional tech.	☐ Instructional tech.	
	☐ Furnishings/Equip.	☐ Furnishings/Equip.	☐ Furnishings/Equip.	☐ Furnishings/Equip.	
	☐ Buses	☐ Buses	☐ Buses	☐ Buses	
	☐ Site work	☐ Site work	☐ Site work	☐ Site work	
	☐ Building shutdown (demo/closure)	☐ Building shutdown (demo/closure)	☐ Building shutdown (demo/closure)	☐ Building shutdown (demo/closure)	
	☐ Site acquisition	☐ Site acquisition	☐ Site acquisition	☐ Site acquisition	

Construction Cost Per Square Foot

New Stand-Alone Construction Square Ft ______ **Cost per Sq Ft** ______

New Addition Square Ft. ______ **Cost per Sq Ft** ______

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

☐ None noted	☐ Asbestos abatement	☑ Energy efficiencies	☐ ADA requirements	
☐ Other - please list:	**1.**	**2.**	**3.**	

Estimated Cost of Proposed Construction Project

Column1	Proposal/Series 1	Proposal/Series 2	Proposal/Series 3	Proposal/Series 4	Total
New Construction					**0**
Remodeling		92,000			**92,000**
Construction Contingencies		9,200			**9,200**
Instructional Technology					**0**
Loose Furnishing/Equipment					**0**
Buses					**0**
Site Work					**0**
Site Acquisition					**0**
Architectural Fees and Costs		7,084			**7,084**
CM Fees and Costs		7,084			**7,084**
Estimated Costs	**0**	**115,368**		**0**	**115,368**

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

6/13/2024
Date

Integrated Designs, Inc. - 1301055100
Firm Name and License Number

Travis D. Hongisto
Printed Name

travis@intdesigns.com
E-mail Address

906.228.4480
Phone Number

Houghton Bus Garage
Series 2
Project Cost Detail

PROJECT CATEGORY AND DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT COST	ESTIMATED COSTS	TOTAL CATEGORY COST
NEW CONSTRUCTION					
				$ -	
				$ -	
				$ -	$ -
REMODELING					
Replace existing 200A single phase electrical service to three phase	1	LS	$ 15,000	$ 15,000	
Replace electrical sub panel	1	LS	$ 10,000	$ 10,000	
Add circuits/outlets to maintenance bay	1	LS	$ 5,000	$ 5,000	
Change existing circuits to ground fault outlets	1	LS	$ 5,000	$ 5,000	
Replace unit heaters	2	EA	$ 4,500	$ 9,000	
Provide proper ventialation w/ new exhaust and make up air unit	1	LS	$ 48,000	$ 48,000	
				$ -	$ 92,000
INSTRUCTIONAL TECHNOLOGY					
				$ -	
				$ -	
				$ -	$ -
LOOSE FURNISHINGS/EQUIPMENT					
				$ -	
				$ -	
				$ -	
				$ -	$ -
BUSES				$ -	$ -
SITE WORK					
				$ -	
				$ -	
				$ -	
				$ -	
				$ -	$ -
SITE ACQUISITION					$ -
CONSTRUCTION CONTINGENCIES					$ 9,200
ARCHITECTURAL FEES AND COSTS					$ 7,084
CM FEES AND COSTS					$ 7,084
TOTAL PROJECT COSTS					$ 115,368

Utilization Summary

Houghton-Portage Township School District **31110**

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	Early Childhood Center	N/A	Pre-K - K	110		100	100	110%	
2	Houghton Elementary School	K-5	1-5	501	600		600	84%	
3	Houghton Middle/High School	6-12	6-12	911	959		959	95%	
4	Bus Garage	N/A	N/A						
Total				**1522**	**1559**	**100**	**1,659**	**92%**	**0**

Facility Summary

Houghton-Portage Township School District | **31110**

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

Proj. No.	1 Facility Type*	2 Name of School Facility	3 Address	4 City	5 Year Built	6 Total Sq.Ft.	7 New Site (Acres)	8 Bldg In Use? Y/N	9 Sq Ft of Closed Facility	10 Disposition of Closed Facility**
1	Instructional	Early Childhood Center	TBD	Houghton	TBD	25,000	16			
2	Instructional	Houghton Elementary School	203 W. Jacker Avenue	Houghton	1972	83,720		Yes		
3	Instructional	Houghton Middle/High School	1603 Gundlach Rd	Houghton	1988	172,980		Yes		
4	Bus Garage	Bus Garage	47795 Gundlach Rd	Houghton	1917	5,100		Yes		
Total	----------	----------	---------	----------	-----	**286,800**				------

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

Cost Summary - Series 1

Houghton-Portage Township School District **31110**

1 Proj. #	2 Cost per Sq Foot	3 New Cons Sq Feet	4 New Construction	5 Remodeling	6 Contingency	7 Instructional Technology	8 Loose Furn and Equip	9 Buses	10 Site Work	11 Site Acquisition	12 A/E Fees and Costs	13 CM Fees and Costs	14 Project Costs
1			0	0	0	0	0	0	0	400,000	0	0	**400,000**
2	$300	5,600	1,680,000	1,378,450	305,845	0	0	0	0	0	235,449	235,501	**3,835,244**
3			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
													0
													0
													0
													0
													0
													0
													0
													0
Total		**5,600**	**1,680,000**	**1,378,450**	**305,845**	**0**	**0**	**0**	**0**	**400,000**	**235,449**	**235,501**	**4,235,244**

17. Funding:

PLUS: Election/Bond Issue Costs:	$125,840
LESS: Estimated Interest Earnings:	$61,084
Other (specify):	
AMOUNT OF PROPOSED ISSUE *(Amount to be Qualified)*	**$4,300,000**

Cost Summary - Series 2

Houghton-Portage Township School District — **31110**

1 Proj. #	2 Cost per Sq Foot	3 New Cons Sq Feet	4 New Construction	5 Remodeling	6 Contingency	7 Instructional Technology	8 Loose Furn and Equip	9 Buses	10 Site Work	11 Site Acquisition	12 A/E Fees and Costs	13 CM Fees and Costs	14 Project Costs
1	$350	25,000	8,750,000	0	934,000	1,000	1,000	0	590,000	0	717,976	718,180	**11,712,156**
2			0	318,700	55,870	95,000	5,000	0	240,000	0	43,020	43,020	**800,610**
3			0	4,227,780	480,278	200,000	34,000	0	575,000	0	369,615	369,814	**6,256,487**
4			0	92,000	9,200	0	0	0	0	0	7,084	7,084	**115,368**
													0
													0
													0
													0
													0
													0
													0
													0
													0
													0
													0
Total		**25,000**	**8,750,000**	**4,638,480**	**1,479,348**	**296,000**	**40,000**	**0**	**1,405,000**	**0**	**1,137,695**	**1,138,098**	**18,884,621**

17. Funding:

PLUS: Election/Bond Issue Costs:	$264,001
LESS: Estimated Interest Earnings:	$448,622
Other (specify):	
AMOUNT OF PROPOSED ISSUE *(Amount to be Qualified)*	**$18,700,000**

Cost Summary - Total

Houghton-Portage Township School District **31110**

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Proj. #	Cost per Sq Foot	New Cons Sq Feet	New Construction	Remodeling	Contingency	Instructional Technology	Loose Furn and Equip	Buses	Site Work	Site Acquisition	A/E Fees and Costs	CM Fees and Costs	Project Costs
1	$350	25,000	8,750,000	0	934,000	1,000	1,000	0	590,000	400,000	717,976	718,180	**12,112,156**
2	$300	5,600	1,680,000	1,697,150	361,715	95,000	5,000	0	240,000	0	278,469	278,521	**4,635,854**
3			0	4,227,780	480,278	200,000	34,000	0	575,000	0	369,615	369,814	**6,256,487**
4			0	92,000	9,200	0	0	0	0	0	7,084	7,084	**115,368**
													0
													0
													0
													0
													0
													0
													0
													0
													0
													0
Total		**30,600**	**10,430,000**	**6,016,930**	**1,785,193**	**296,000**	**40,000**	**0**	**1,405,000**	**400,000**	**1,373,144**	**1,373,599**	**23,119,865**

17. Funding:

PLUS: Election/Bond Issue Costs:	$389,841
LESS: Estimated Interest Earnings:	$509,706
Other (specify):	
AMOUNT OF PROPOSED ISSUE *(Amount to be Qualified)*	**$23,000,000**

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

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

Follow Column Instructions	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
	Col. 1	**Col. 2**	**Col. 3**	**Col. 4**	**Col. 5**	**Col. 6**	**Col. 7**	**Col. 8**
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	1,847,999	258,692	2,106,691	54.93%	21.97
Building Improvements	30	0	30	1,516,295	212,258	1,728,553	45.07%	13.52
Roofing	20	0	20			0	0.00%	0.00
Flooring	10	0	10			0	0.00%	0.00
Furnishing/ Equipment	10	0	10			0	0.00%	0.00
Technology Infrastructure	10	0	10			0	0.00%	0.00
Technology (instr/non-instr)	5	0	5			0	0.00%	0.00
Buses	6	0	6			0	0.00%	0.00
Total for purposes of determing weighted avg useful life				3,364,294	470,950	3,835,244	100.00%	35.49

120% of average useful life of asset: → **42.59**

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

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

Follow Column Instructions	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
	Col. 1	**Col. 2**	**Col. 3**	**Col. 4**	**Col. 5**	**Col. 6**	**Col. 7**	**Col. 8**
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	9,716,823	1,487,338	11,204,161	64.10%	25.64
Building Improvements	30	0	30	5,151,005	788,455	5,939,460	33.98%	10.19
Roofing	20	0	20			0	0.00%	0.00
Flooring	10	0	10			0	0.00%	0.00
Furnishing/ Equipment	10	0	10	40,000		40,000	0.23%	0.02
Technology Infrastructure	10	0	10	296,000		296,000	1.69%	0.17
Technology (instr/non-instr)	5	0	5			0	0.00%	0.00
Buses	6	0	6			0	0.00%	0.00
Total for purposes of determing weighted avg useful life				15,203,828	2,275,793	17,479,621	100.00%	36.03

120% of average useful life of assets → **43.23**

3881, Worksheet 1: Useful Life Calculation - Total

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

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

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

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

Follow Column Instructions	→	Enter Value	Col. 1 + Col. 2	Enter Value	Enter Value	Col. 4 + Col. 5	Col. 6 ÷ Col. 6 Total	Col. 3 x Col. 7
	Col. 1	**Col. 2**	**Col. 3**	**Col. 4**	**Col. 5**	**Col. 6**	**Col. 7**	**Col. 8**
Asset Type	Average Useful Life of Asset (in Years)	Time between Bonds Issue Date and Purchase	Useful Life of Asset from Bond Issue Date	Expenditure Amount	Allocation of Related Professional Fees	Total Costs (Incl. Related Fees)	% of Total Cost	Average Useful Life of Assets (in years)
School Buildings	40	0	40	11,564,822	1,746,029	13,310,852	62.45%	24.98
Building Improvements	30	0	30	6,667,300	1,000,714	7,668,013	35.97%	10.79
Roofing	20	0	20	0		0	0.00%	0.00
Flooring	10	0	10	0		0	0.00%	0.00
Furnishing/ Equipment	10	0	10	40,000		40,000	0.19%	0.02
Technology Infrastructure	10	0	10	296,000		296,000	1.39%	0.14
Technology (instr/non-instr)	5	0	5	0		0	0.00%	0.00
Buses	6	0	6	0		0	0.00%	0.00
Total for purposes of determing weighted avg useful life				18,568,122	2,746,743	21,314,865	100.00%	35.93

120% of average useful life of assets → **43.12**