



ANCHOR BAY SCHOOL DISTRICT PHASE 1: INFRASTRUCTURE ASSESSMENT

FEBRUARY 21, 2022



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February 21, 2022

Mr. Phil Jankowski
Superintendent of Schools
Anchor Bay School District
5201 County Line Road
Casco Twp, MI 48064
Email: pjankowski@sb.misd.net

Subject: Bond Planning
Facilities Condition Assessment

Dear Mr. Jankowski:

Barton Malow is pleased to have the opportunity to assist with the creation of a Districtwide Facility Condition Assessment for Anchor Bay School District. To develop the assessment, Barton Malow and French Associates have conducted building tours to evaluate the current conditions of the facilities and to determine cost estimates for potential replacement of infrastructure item based upon remaining useful life. In conclusion, the summary of this assessment will aid in the development of a strategic long-term facility plan for Anchor Bay School District.

Our team would like to especially thank you for your team for assistance on the facility tours and for providing valuable insight on the buildings.

Thank you for the opportunity to continue to serve the Anchor Bay School District. Barton Malow is looking forward to assisting the district in the future. If there are any questions regarding this report, please do not hesitate to contact me at 810-420-2002 or e-mail: daryl.dombrow@bartonmalow.com

Sincerely,
BARTON MALOW BUILDERS

A handwritten signature in black ink, appearing to read "Daryl Dombrow", written over a light blue horizontal line.

Daryl Dombrow
Project Executive

Copy: Dale Jerome, French Associates
Jeff Atkins, Paul Twigg, Brad Kolcz

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Executive Summary

Overview

During the month of December and January 2022, Barton Malow, French Associates, and their consultants performed a districtwide Facility Condition Assessment (FCA) for Anchor School District. The buildings evaluated included:

- Ashley Elementary School
- Great Oaks Elementary School
- Lighthouse Elementary School
- Lottie Elementary School
- Maconce Elementary School
- Naldrett Elementary School
- Middle School North
- Middle School South
- Anchor Bay High School
- Aquatic Center
- Sugarbush
- Early Childhood Center
- MacDonald
- Transportation Center
- Bloom Academy

To summarize this assessment, Barton Malow has concluded that all of the buildings are in good to fair condition, with select areas in poor condition. These items include roofing, flooring, furnishings, mechanical, and electrical infrastructure. There are also areas to improve site work such as asphalt paving, concrete paving, and site drainage.

Process

The purpose of this Facility Condition Assessment is to document the current conditions of the buildings and surrounding properties, and to aid in identifying building imperfections. The FCA team walked the district buildings. At each building, photographs were taken to document the facility's current conditions. Aspects reviewed include

- Building Exterior (roof, walls, windows, doors)
- Building Interior (ceilings, flooring, furnishings, fixed equipment, finishes)
- Mechanical Systems (fire protection, plumbing, HVAC, temperature controls)
- Electrical Systems (power, lighting, communication, life safety)
- Site Paving (parking lots, drives, sidewalks)
- Site Work (site drainage, fencing, landscaping)
- **Technology:** This assessment covers Network Infrastructure and Safety & Security. Instructional Technology Equipment is not covered at this time and will be evaluated as part of the Phase 2: Academic and Facility Improvement assessment.

- **Furniture, Fixtures, and Equipment (FF&E):** This assessment included select equipment replacement. Furniture is not covered at this time and will be evaluated as part of the Phase 2: Academic and Facility Improvement assessment.
- **Buses:** Buses have been included based on age, condition, and replacement cycle.
- **Environmental Survey:** At this time, Barton Malow did not review an Environmental Survey for the district. Allowances have been included for assumed asbestos containing items.

Rating and Prioritization

- **Rating:** Throughout this report, the following terms will be used to describe the conditions found in the facilities:
 - **Good:** Like new conditions with over half of the useful life available.
 - **Fair:** Average condition with some wear present and less than half of the useful life remaining.
 - **Poor:** Below average conditions, significant wear patterns, and at the end of the item's useful life.
- **Categorization:** Included in this report is a cost summary report with the items identified by the following 6 categories:
 - **Category 1 – Critical Needs:** Emergency repairs/replacement necessary for proper functioning of the building infrastructure and to maintain the integrity of the structure. 1-3 years of useful life remaining
 - **Category 2 – Safety/Security:** Focusing on secured entries, video surveillance, access control, and building infrastructure.
 - **Category 3 – Near Future Needs:** Infrastructure items with 4-6 years of useful life remaining
 - **Category 4 – Energy Savings:** Utilizing efficient building envelope enclosures, district wide building management system, and lighting upgrades.
 - **Category 5 – Future Needs:** Infrastructure items with 7-10 years of useful life remaining
 - **Category 6 – Equipment:** Custodial equipment

**BARTON MALOW BUILDERS
EDUCATION GROUP
ESTIMATE CLARIFICATIONS and ASSUMPTIONS**

- 1.0 Purpose** – The purpose of this document is to serve as a communication tool for the project team by defining the quality and scope of this project. Barton Malow has toured and evaluated the school buildings and prepared a budget estimate based on the discussions and reasonable intent of this information. The budget estimate is not formatted or intended to predict low bids by category. This is a working document that should be reviewed by the project team with necessary revisions duly raised and documented as part of the design process.
- 2.0 Design Documents** – The budget estimate is based on the discussed design intent and conceptual sketches.
- 3.0 Bonds** – 100% performance and labor/material payment bonds are assumed to be included for all trade contractor work.
- 4.0 Labor Rates** – This budget estimate is based on local labor wage rates and material packaging of the trades by jurisdiction. (“merit shop rates”)
- 5.0 Sole Source Exclusion** – This budget estimate assumes that the final bid documents will name three or more manufacturers whose product are acceptable under the base bid for each section or work category.
- 6.0 Sales Tax** – This budget estimate includes the cost associated with State of Michigan sales tax.
- 7.0 Allowances** – Allowances are identified in the budget estimate where quantities or unit costs cannot be established at this time.
- 8.0 Inflation / Market Escalation** – The budget estimate includes inflation and market escalation to the midpoint of the project to account for changes in labor wage rates in the marketplace and material price inflation.
- 9.0 Contingency** – Construction contingency is included to provide for the further evolution of the design documents and unforeseen conditions. The Construction Contingency does not provide for A/E errors and omissions and/or Owner requested changes during construction.
- 10.0 Field General Conditions** – The following items are included in the construction budget estimate.
1. Materials and soils testing
 2. Property and boundary surveying
 3. Temporary services (dumpsters, toilets, moving, cleaning, partitions, etc.)
- 11.0 Exclusions** – The following items are NOT included in the construction budget estimate.
1. Financing cost
 2. Legal fees
 3. Owner fees

4. Hazardous material testing

12.0 Construction Schedule – The estimate is based on the following construction milestone dates:

1. Construction Start Date: 6/15/2023
2. Construction Substantial Completion Date: 12/31/2028

13.0 Clarifications – The following clarifications are outlined to coincide with the estimate.

General Items

1. The budget estimate is based on all work being performed on standard shift time. Overtime and/or shift premiums are not included in the estimate, except for utility change over connections.
2. The budget estimate is based on a (1) year warranty of the work after acceptance or turnover to the Owner (unless exceeded by requirements identified in the specifications).
3. The budget estimate is based on the Owner providing an onsite parking lot free of charge for all trade contractors. Trade contractors are responsible for providing their own transportation to the parking lot at the construction site.

Structural Items

1. The budget estimate assumes the buildings to be structurally sound unless otherwise noted in the building worklists.

Architectural Items

1. The budget estimate assumes standard K-12 finishes and materials, unless there is an element specifically noted in the building worklists.

Mechanical Items

1. The budget estimate assumes reusing existing piping for any equipment replacement, unless otherwise noted in the building worklists.
2. The budget estimate assumes a one-to-one replacement, unless otherwise noted.

Electrical Items

1. The budget estimate assumes feeders for equipment can be re-used, unless otherwise noted in the building worklists.
2. The budget estimate assumes that the current systems comply with code, unless specifically noted in the building worklists.
3. The budget estimate assumes all low voltage wiring (particularly for technology) is by others and not included in the construction costs.

Civil Items

1. The budget estimate assumes existing topsoil on site can be reused as necessary, or unless otherwise noted in the building worklists.

GLOSSARY

Cost Model: high level cost per sq ft estimate based on type of project

Current Replacement Value (CRV): Current day cost to replace existing facility, does not include site.

Facility Condition Assessment (FCA): review and report of existing conditions

Facility Condition Index (FCI): Ratio of Facility Condition Assessment Costs to Current Replacement Value ($FCA/CRV=FCI$, if over 50% should be considered for replacement)

Direct Costs / Hard Costs: trade contractor labor, material & equipment cost expected at bid day, does not include contingency

Contingency: costs anticipated due to unforeseen conditions.

Indirect Costs / Soft Costs: general conditions, permits, inspections, testing, professional fees, etc. (range from 15% to 20%)

Escalation / Inflation: increase in cost year over year. Historically about 3%

Life Cycle / Useful Life: time period a component or system is expected to last with normal maintenance (typically 15-25 years on most items)

Rough Order of Magnitude (ROM): very high-level conceptual cost estimate

SECTION 1 | SUMMARY

- Summary by Scope
- Summary by Priority
- Summary by Category



Anchor Bay School District 2022 Bond Planning Summary by Scope												
PRELIMINARY - FOR DISCUSSION PURPOSE ONLY												
Date: 2/18/22												
Facility	Year Built	Building Area	1 New Construction	2 Exterior Work	3 Interior Work	4 Mechanical Work	5 Electrical Work	6 Technology Infrastructure	7 Technology Equipment	8 Site Work	9 Furniture Equipment	Total
1 Ashley Elementary	1955	59,170	\$0	\$1,850,900	\$1,359,900	\$1,697,000	\$1,159,200	\$438,500	\$0	\$936,300	\$21,900	\$7,463,700
2 Great Oaks Elementary	1998	62,183	\$0	\$1,035,300	\$561,400	\$2,185,100	\$1,103,800	\$420,700	\$0	\$793,500	\$21,900	\$6,121,700
3 Lighthouse Elementary	1957	86,768	\$0	\$2,497,300	\$1,060,500	\$3,223,800	\$1,853,100	\$1,436,100	\$0	\$2,057,300	\$21,900	\$12,150,000
4 Lottie Elementary	1972	56,394	\$0	\$2,063,000	\$1,299,700	\$1,752,000	\$1,375,500	\$420,800	\$0	\$1,164,400	\$21,900	\$8,097,300
5 Maconce Elementary	1998	56,835	\$0	\$1,101,200	\$561,400	\$1,674,600	\$1,004,600	\$390,100	\$0	\$1,477,800	\$21,900	\$6,231,600
6 Naldrett Elementary	1962	60,200	\$0	\$1,064,400	\$1,388,200	\$1,695,200	\$1,046,000	\$433,100	\$0	\$1,024,200	\$21,900	\$6,673,000
7 Middle School North	1962	123,207	\$0	\$4,591,400	\$1,799,100	\$3,412,100	\$2,387,700	\$735,500	\$0	\$1,480,700	\$36,600	\$14,443,100
8 Middle School South	1972	175,662	\$0	\$3,734,800	\$1,411,600	\$3,052,900	\$3,686,400	\$857,600	\$0	\$2,072,600	\$36,600	\$14,852,500
9 High School	2002	467,110	\$0	\$7,264,500	\$1,068,100	\$6,671,800	\$9,170,000	\$1,707,600	\$0	\$4,966,900	\$58,500	\$30,907,400
10 Aquatic Center	1998	23,864	\$0	\$373,100	\$1,264,200	\$136,100	\$269,200	\$147,800	\$0	\$265,700	\$0	\$2,456,100
11 Sugarbush	1975	59,776	\$0	\$1,141,300	\$639,800	\$1,578,300	\$1,444,600	\$213,500	\$0	\$1,130,600	\$3,700	\$6,151,800
12 Early Childhood Center	2000	11,382	\$0	\$42,700	\$504,500	\$98,800	\$558,500	\$351,300	\$0	\$38,900	\$0	\$1,594,700
13 MacDonald	1998	53,835	\$0	\$2,149,400	\$102,400	\$1,898,400	\$1,055,800	\$304,300	\$0	\$940,600	\$0	\$6,450,900
14 Transportation	2002	9,213	\$0	\$365,200	\$342,400	\$695,000	\$190,500	\$125,800	\$0	\$2,037,000	\$0	\$3,755,900
15 Bloom Academy		3,958	\$0	\$0	\$0	\$58,500	\$0	\$0	\$0	\$108,700	\$0	\$167,200
TOTALS:			\$0	\$29,274,500	\$13,363,200	\$29,829,600	\$26,304,900	\$7,982,700	\$0	\$20,495,200	\$266,800	\$127,516,900
Notes:	costs include contingency & indirect costs		additions	roofs windows building envelope	flooring remodeling	plumbing HVAC temp controls	power lighting fire alarm	network safety/security	printers	paving drainage	Bus Purchase:	
											Total: custodial equip	

Anchor Bay School District 2022 Bond Planning Summary by Priority

PRELIMINARY - FOR DISCUSSION PURPOSE ONLY

Yar Building			1.0 Critical Needs					Tech				1.0 Critical
Facility	Built	Area	Roof	Envelope	Interior	Mechanical	Electrical	Site	Infra	Subtotal		
1 Ashley Elementary	1955	59,170	248,736	0	43,309	1,293,426	0	556,875	56,331	2,198,678		
2 Great Oaks Elementary	1998	62,183	0	58,526	0	1,886,002	0	551,131	59,111	2,554,771		
3 Lighthouse Elementary	1957	86,768	298,483	21,947	741,818	1,945,991	0	1,369,260	82,522	4,460,021		
4 Lottie Elementary	1972	56,394	409,682	36,579	76,377	1,393,213	0	609,280	53,698	2,578,828		
5 Maconce Elementary	1998	56,835	0	58,526	17,558	1,310,984	0	879,691	53,990	2,320,749		
6 Naldrett Elementary	1962	60,200	0	120,710	44,041	725,723	0	488,722	57,209	1,436,405		
7 Middle School North	1962	123,207	746,207	870,575	191,088	1,136,869	0	86,352	90,130	3,121,221		
8 Middle School South	1972	175,662	0	21,947	128,465	276,536	0	944,404	128,465	1,499,816		
9 High School	2002	467,110	2,238,622	292,630	117,052	219,473	0	3,956,126	341,792	7,165,695		
10 Aquatic Center	1998	23,864	0	0	790,102	0	0	27,455	0	817,557		
11 Sugarbush	1975	59,776	0	0	21,801	1,313,910	0	39,423	0	1,375,134		
12 Early Childhood Center	2000	11,382	0	42,724	0	5,853	0	24,288	29,263	102,128		
13 MacDonald	1998	53,835	175,578	79,010	0	1,068,101	0	19,685	0	1,342,374		
14 Transportation	2002	9,213	0	36,579	292,630	409,682	0	573,702	0	1,312,593		
15 Bloom Academy		3,958	0	0	0	0	0	1,756	0	1,756		
TOTALS:			4,117,308	1,639,754	2,464,240	12,985,761	0	10,128,151	952,512	32,287,725		

Notes:

costs include contingency & indirect costs

PRELIMINARY - FOR DISCUSSION PURPOSE ONLY

Date: 2/18/22

Facility	1.1		1.2		1.3	2.0 Facility Improve	3.0 Academic Improve	4.1			4.2			4.3	4.4	4.5	5.1		5.2	5.3	Total
	Infrastructure Priority		Safety & Security					Energy Savings													
	High	Medium	Low	Infra/Bus				Video	Access	EA	PA	Windows	Temp				Lights				
1 Ashley Elementary	2,220,625	2,296,416	774,446		0	0	415,242	43,895	69,792	29,263	65,842	585,261	173,091	789,718			7,463,590				
2 Great Oaks Elementary	2,576,718	1,213,245	208,704		0	0	428,411	43,895	74,474	29,263	73,158	585,261	182,016	706,556			6,121,700				
3 Lighthouse Elementary	4,481,968	3,875,240	1,135,991		0	0	536,391	248,736	106,371	29,263	65,842	146,315	380,858	1,143,014			12,149,989				
4 Lottie Elementary	2,600,775	2,329,941	965,415		0	0	403,830	43,895	74,474	29,263	65,842	585,261	247,565	751,182			8,097,442				
5 Maconce Elementary	2,342,696	1,450,107	340,166		0	0	405,000	43,895	74,474	29,263	73,158	585,261	249,467	638,080			6,231,568				
6 Naldrett Elementary	1,458,353	2,983,984	602,773		0	0	419,778	43,895	74,474	29,263	65,842	58,526	264,245	672,025			6,673,158				
7 Middle School North	3,157,799	6,486,983	1,452,909		0	0	690,022	90,130	89,106	58,526	117,052	731,576	51,210	1,517,727			14,443,041				
8 Middle School South	1,536,395	7,063,278	2,440,975		0	0	927,638	128,465	89,106	58,526	117,052	0	51,210	2,439,805			14,852,450				
9 High School	7,224,221	8,603,316	2,739,186		0	0	2,518,522	371,055	144,267	87,789	182,894	0	2,392,106	6,644,170			30,907,527				
10 Aquatic Center	817,557	842,699	373,104		0	0	104,762	21,947	51,064	29,263	21,947	0	29,263	164,458			2,456,063				
11 Sugarbush	1,378,792	2,357,286	892,522		0	0	434,995	21,947	45,358	29,263	65,842	0	131,245	794,491			6,151,740				
12 Early Childhood Center	102,128	976,215	0		0	0	49,893	21,947	69,792	29,263	146,315	0	41,700	157,435			1,594,689				
13 MacDonald	1,342,374	1,332,931	1,850,005		0	0	346,035	43,895	65,110	21,947	51,210	658,418	29,263	709,775			6,450,963				
14 Transportation	1,312,593	1,906,782	216,733		0	0	2,402,597	14,632	51,064	7,316	21,947	19,753	14,632	150,119			6,118,167				
15 Bloom Academy	1,756	165,487	0		0	0	0	0	0	0	0	0	0	0			167,242				
TOTALS:	32,554,750	43,883,909	13,992,929		0	0	10,083,118	1,182,226	1,078,928	497,471	1,133,942	3,955,630	4,237,872	17,278,556			129,879,331				
Notes:	Infrastructure Subtotal:			90,431,588		TBD	Safety & Security Subtotal:			13,975,686	Energy Subtotal:			25,472,057							
costs include contingency & indirect costs																					
Facility & Academic Improvements to be reviewed in Phase 2																					

SECTION 2 | BUILDING WORKLISTS



Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY					site visit: Jan 2022				
2022 Bond Program		Grades: K-5		4% per year		enrollment: 471					
Ashley Elementary		Year Built: 1955		3 years		teaching stations:					
52347 Ashley Street, New Baltimore		Building Size: 59,170		to midpoint		capacity:					
Building Project Work List		Site Size:		1.125		Date: 2/17/22					
Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
NEW CONSTRUCTION											
n/a						0	0	0			
0 sqft				SUBTOTAL:		0	0				
REMODELING WORK											
Exterior Work											
Roofing											
1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)		10,000	sqft	17.00	170,000	191,227	248,736	Roof Type: EPDM	1	1.1
2	Mech		20,000	sqft	17.00	340,000	382,454	497,471	Roof Type: TP	2	1.2
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)		20,000	sqft	17.00	340,000	382,454	497,471	Roof Type: TP	3	1.3
Building Envelope											
	Replace exterior door frames		6	each	2,500.00	15,000	16,873	21,947	Frames Only	2	1.2
	Replace windows		1	allo	400,000.00	400,000	449,946	585,261		1	5.1
						Exterior Work Subtotal:	1,422,953	1,850,886			
Interior Work											
	Abate asbestos		59,170	sqft	0.50	29,600	33,296	43,309		1	1.1
	Remodel Closets in Upper El CR's		20	each	2,000.00	40,000	44,995	58,526		2	1.2
	Remodel Lower El CR toilet rooms		8	each	25,000.00	200,000	224,973	292,630		2	1.2
	Remodel Upper El toilet rooms		20	each	25,000.00	500,000	562,432	731,576		2	1.2
	Remodel staff toilet rooms		4	each	25,000.00	100,000	112,486	146,315		2	1.2
	Replace countertops at CR sink cabs		20	each	900.00	18,000	20,248	26,337		2	1.2
	Install walk off carpet at vestibules		6	each	950.00	5,700	6,412	8,340		2	1.2
	Replace VCT in K-addition corridor		500	sqft	9.50	4,800	5,399	7,023		2	1.2
	Add security hardware at all student occupied spaces		35	each	750.00	26,300	29,584	38,481	District Standard	1	4.1
	Add privacy/security film at Office area		1	allo	5,000.00	5,000	5,624	7,316	District Standard	1	4.1
						Interior Work Subtotal:	1,045,449	1,359,853			
Mechanical Systems											
Fire Suppression System											
n/a						0	0	0			
Plumbing Work											
	Provide point of use thermostat mixing valves at lavs & sinks		58	each	750.00	43,500	48,932	63,647		2	1.2
	Replace 19 year old electric domestic water heater (27 KW, 55 gallon)		1	each	4,000.00	4,000	4,499	5,853		2	1.2
	Replace drinking ftns with bottle filling stations		6	each	4,000.00	24,000	26,997	35,116		1	1.1
HVAC System											
	Replace 21 year old boilers with high eff. Boilers (2070 MBH)		2	each	100,000.00	200,000	224,973	292,630		1	1.1
	Replace heating hot water pumps (235 gpm @ 50', 7.5 HP)		2	each	15,000.00	30,000	33,746	43,895		1	1.1
	Replace horizontal unit ventilators with vert Uvs		19	each	20,000.00	380,000	427,448	555,998		1	1.1
	Replace vert. unit ventilators with new vert Uvs		4	each	15,000.00	60,000	67,492	87,789		2	1.2
	Replace all original roof EFs with new		20	each	2,500.00	50,000	56,243	73,158		2	1.2
	Replace 20 year old RTU (Lennox approx. 15 ton)		1	each	60,000.00	60,000	67,492	87,789		1	1.1
	Replace RTU (McQuay approx. 30 ton)		1	each	75,000.00	75,000	84,365	109,736		1	1.1
	Replace 20 year old RTU (Lennox 10 ton)		1	each	55,000.00	55,000	61,868	80,473		1	1.1

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022		
2022 Bond Program	Grades: K-5	4% per year	enrollment: 471			
Ashley Elementary	Year Built: 1955	3 years	teaching stations:			
52347 Ashley Street, New Baltimore	Building Size: 59,170	to midpoint	capacity:			
Building Project Work List	Site Size:	1.125	Date: 2/17/22			

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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Replace rooftop AHU that serves the Media Center (HW & CHW coils)	1	each	60,000.00	60,000	67,492	87,789				1	1.1
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Integrated Automation

update temperature controls	39,447	sqft	3.00	118,300	133,071	173,091	Classroom UV's Completed in '19			1	5.2
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Mechanical Systems Subtotal: 1,304,617 1,696,963

Electrical Systems

Power

Provide new generator for food service coolers/ boilers / IT	1	each	75,000.00	75,000	84,365	109,736				2	4.1
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Lighting

LED lighting and controls upgrade for interior of school	55,670	sqft	8.75	487,113	547,935	712,719				2	5.3
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LED wall pack upgrade on exterior of building	5	each	1,000.00	5,000	5,624	7,316	Parking lots converted in '18			2	5.3
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Provide new egress lighting at exterior doors	17	each	1,000.00	17,000	19,123	24,874				2	5.3
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Replace lighting in Gymnasium	3,500	sqft	8.75	30,625	34,449	44,809				2	5.3
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Communication Systems

see technology infrastructure				0	0	0					
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Electronic Safety & Security

Provide new Voice fire alarm system	59,170	sqft	3.00	177,500	199,663	259,709				1	4.1
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Electrical Systems Subtotal: 891,159 1,159,163

Construction Subtotal: 4,664,178 6,066,866

Technology Infrastructure

replace category 5 cabling	1	lpsm	35,000.00	35,000	39,370	51,210				2	1.2
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replace IDF cabinet	1	each	7,500.00	7,500	8,436	10,974	IDF 1			2	1.2
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replace fiber to IDFs	2	each	3,750.00	7,500	8,436	10,974				2	1.2
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demo coax/legacy cables	1	lpsm	7,500.00	7,500	8,436	10,974				2	1.2
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network switches - edge	9	each	3,800.00	34,200	38,470	50,040	add 1 per TF for growth			2	1.2
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replace rack UPS's	3	each	2,250.00	6,800	7,649	9,949				2	1.2
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wireless infrastructure	0	each	1,150.00	0	0	0	installing 2022				
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phone system	1	lpsm	20,000.00	20,000	22,497	29,263				2	1.2
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replace clock system	59,170	sf	0.65	38,500	43,307	56,331				1	1.1
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Technology Infrastructure Subtotal: 176,604 229,715

Technology Safety & Security

security cameras	1	allo	30,000.00	30,000	33,746	43,895				1	4.2
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replace entrance intercoms	1	each	3,500.00	3,500	3,937	5,121				1	4.3
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access control	6	each	3,200.00	19,200	21,597	28,093				1	4.3
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access control panels	1	allo	25,000.00	25,000	28,122	36,579				1	4.3
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emergency alert system	1	allo	20,000.00	20,000	22,497	29,263				1	4.4
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replace PA system	1	allo	45,000.00	45,000	50,619	65,842				1	4.5
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Technology Safety & Security Subtotal: 160,518 208,792

Technology & Safety Infrastructure Subtotal: 337,122 438,506

REMODELING SUBTOTAL: 5,001,300 6,505,372

SITE WORK

Site Paving

1 Front Loop - Remove & Replace (Salvage Aggregate Base)	14,000	sqft	5.00	70,000	78,740	102,421				2	1.2
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2 Northwest Parking Lot - Remove & Replace (Salvage Aggregate Base)	32,000	sqft	5.00	160,000	179,978	234,104				3	1.3
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Building Project Work List

Site Size:

1.125

Date: 2/17/22

271

0

21,947

BUILDING TOTAL: 7,463,590

Indirect Costs include; contingency, general conditions & professional fees C.M. Costs: 489,951

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY	site visit: Jan 2022
2022 Bond Program	Grades: 4% per year	enrollment: 453
Great Oaks Elementary	Year Built: 1998	teaching stations:
32900 24 mile Road, Chesterfield	Building Size: 62,183	capacity:
Building Project Work List	Site Size: 1.125	Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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NEW CONSTRUCTION											
n/a						0	0	0			
						0	sqft	SUBTOTAL:	0	0	

REMODELING WORK

Exterior Work

Roofing

1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	0	sqft	17.00	0	0	0			1	1.1
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	12,800	sqft	17.00	217,600	244,770	318,382	Roof Type: EPDM		2	1.2
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	20,000	sqft	0.00	0	0	0	Roof Type: Shingles & EPDM		3	1.3

Building Envelope

	Remodel EIFS fascia system	1	allo	50,000.00	50,000	56,243	73,158			3	1.3
	Replace exterior windows	1	allo	400,000.00	400,000	449,946	585,261			1	5.1
	Replace exterior door frames	6	each	2,500.00	15,000	16,873	21,947	Frames Only		1	1.1
	Add parapet screen to prevent access to roof	1	allo	25,000.00	25,000	28,122	36,579			1	1.1

Exterior Work Subtotal: 795,954 1,035,326

Interior Work

	Reface moveable partitions in CR's	2	each	10,000.00	20,000	22,497	29,263			2	1.2
	Reface moveable partitions at Café/Stage area	1	allo	15,000.00	15,000	16,873	21,947			2	1.2
	Install new CT at base of crayon columns	6	each	2,000.00	12,000	13,498	17,558			2	1.2
	Install walk off carpet at vestibules	6	each	5,000.00	30,000	33,746	43,895			2	1.2
	Install new CPT in CR areas	1	allo	194,400.00	194,400	218,674	284,437			2	1.2
	Install new CPT in corridors	1	allo	45,000.00	45,000	50,619	65,842			2	1.2
	Replace stage area curtains	1	allo	20,000.00	20,000	22,497	29,263			2	1.2
	Replace countertops at CR sink cabs	16	each	1,000.00	16,000	17,998	23,410			2	1.2
	Add security hardware at all student occupied spaces	35	each	750.00	26,300	29,584	38,481	District Standard		1	4.1
	Add privacy/security film at Office area	1	allo	5,000.00	5,000	5,624	7,316	District Standard		1	4.1

Interior Work Subtotal: 431,610 561,411

Mechanical Systems

Fire Suppression System

n/a					0	0	0				
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Plumbing Work

	Provide point of use thermostat mixing valves at lavs & sinks	50	each	1,000.00	50,000	56,243	73,158			2	1.2
	Flooding issue in corridor outside media center?	1	allo	15,000.00	15,000	16,873	21,947			1	1.1
	Replace drinking ftns with bottle filling stations	6	each	4,000.00	24,000	26,997	35,116			1	1.1

HVAC System

	Provide tempering coils to provide 2 zones for Gvm/Café RTU	2	each	15,000.00	30,000	33,746	43,895			1	1.1
	Replace 23 year old boilers with high eff. Boilers	3	each	100,000.00	300,000	337,459	438,945			1	1.1
	Replace 23 year old boiler inline pumps	3	each	15,000.00	45,000	50,619	65,842			1	1.1
	Replace 23 year old heating hot water pumps (180 apm @42'. 5 HP)	2	each	15,000.00	30,000	33,746	43,895			1	1.1
	Replace 23 year air cooled chiller (200 ton)	1	each	300,000.00	300,000	337,459	438,945			1	1.1

Anchor Bay School District					PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022		
2022 Bond Program					Grades:		4% per year		enrollment: 453	
Great Oaks Elementary					Year Built: 1998		3 years		teaching stations:	
32900 24 mile Road, Chesterfield					Building Size: 62,183		to midpoint		capacity:	
Building Project Work List					Site Size:		1.125		Date: 2/17/22	
Category					Direct		Total			
Subcategory					w/		w/ Indirect			
Description	Qty	Unit	Unit Cost	Direct Cost	Escalation	Costs	Notes	Priority	Category	
Replace 23 year old chilled water pumps	2	each	15,000.00	30,000	33,746	43,895		1	1.1	
Replace 23 year old Gym/Caf indoor AHU (with HHW & CHW coils)	1	each	65,000.00	65,000	73,116	95,105		1	1.1	
Replace 23 year old Media Ctr indoor AHU (with HHW & CHW coils)	1	each	60,000.00	60,000	67,492	87,789		1	1.1	
Replace 23 year old office area indoor AHU (with HHW & CHW coils)	1	each	50,000.00	50,000	56,243	73,158		1	1.1	
Replace 23 year old vertical unit ventilators	21	each	15,000.00	315,000	354,332	460,893		1	1.1	
Replace all original roof EFs with new	12	each	2,500.00	30,000	33,746	43,895		2	1.2	
install AC in technology mdf	1	allo	25,000.00	25,000	28,122	36,579		1	1.1	
Integrated Automation										
update temperature controls	41,455	sqft	3.00	124,400	139,933	182,016		1	5.2	
Mechanical Systems Subtotal:					1,679,872	2,185,070				
Electrical Systems										
Power										
Provide new generator for food service coolers/ boilers / IT	1	each	75,000.00	75,000	84,365	109,736		2	4.1	
replace floor outlets at Stage Area	1	allo	5,000.00	5,000	5,624	7,316		2	1.2	
Lighting										
LED lighting and controls upgrade for interior of school (Gym and Cafeteria were already converted in 2018 bond)	47,183	sqft	8.75	412,900	464,456	604,135		2	5.3	
LED wall pack upgrade on exterior of building (parking log was converted in 2018 bond)	5	each	1,000.00	5,000	5,624	7,316		2	5.3	
Provide new egress lighting at exterior doors	15	each	1,000.00	15,000	16,873	21,947		2	5.3	
Replace stage area lighting	1	allo	50,000.00	50,000	56,243	73,158		2	5.3	
Communication Systems										
Add PA/intercom function to Kitchen area	1	allo	5,000.00	5,000	5,624	7,316	in tech	1	4.5	
Electronic Safety & Security										
Provide new Voice fire alarm system	62,183	sqft	3.00	186,500	209,787	272,878		1	4.1	
Electrical Systems Subtotal:					848,597	1,103,801				
Construction Subtotal:					3,756,033	4,885,609				
Technology Infrastructure										
replace category 5 cabling	1	lpsm	35,000.00	35,000	39,370	51,210		2	1.2	
replace fiber to IDFs	1	each	3,750.00	3,800	4,274	5,560		2	1.2	
demo coax/legacy cables	1	lpsm	7,500.00	7,500	8,436	10,974		2	1.2	
network switches - edge	8	each	3,800.00	30,400	34,196	44,480	add 1 per TF for growth	2	1.2	
replace rack UPS's	2	each	2,250.00	4,500	5,062	6,584		2	1.2	
wireless infrastructure	0	each	1,150.00	0	0	0	installing 2022			
phone system	1	lpsm	20,000.00	20,000	22,497	29,263		2	1.2	
replace clock system	62,183	sf	0.65	40,400	45,445	59,111		1	1.1	
Technology Infrastructure Subtotal:					159,281	207,182				
Technology Safety & Security										
security cameras	1	allo	30,000.00	30,000	33,746	43,895		1	4.2	
replace entrance intercoms	1	each	3,500.00	3,500	3,937	5,121		1	4.3	
access control	7	each	3,200.00	22,400	25,197	32,775		1	4.3	
access control panels	1	allo	25,000.00	25,000	28,122	36,579		1	4.3	
emergency alert system	1	allo	20,000.00	20,000	22,497	29,263		1	4.4	

Anchor Bay School District				PRELIMINARY - FOR DISCUSSION PURPOSE ONLY				site visit: Jan 2022			
2022 Bond Program				Grades:		4% per year		enrollment:		453	
Great Oaks Elementary				Year Built: 1998		3 years		teaching stations:			
32900 24 mile Road, Chesterfield				Building Size: 62,183		to midpoint		capacity:			
Building Project Work List				Site Size:		1.125		Date: 2/17/22			
Category											
Subcategory						Direct		Total			
Description				Qty Unit Unit Cost		Cost Escalation		w/ Indirect Costs		Notes Priority Category	
replace PA system				1 allo 45,000.00		45,000 50,619		65,842		1 4.5	
Technology Safety & Security Subtotal:						164,118		213,474			
Technology & Safety Infrastructure Subtotal:						323,398		420,656			
REMODELING SUBTOTAL:						4,079,432		5,306,265			
SITE WORK											
Site Paving											
1 North Drive Loop - Mill/Overlay w/ Isolated Full-Depth Repairs				18,000 sq ft		2.50 45,000		50,619 65,842		2 1.2	
2 West Parking Strip - Remove & Replace (Salvage Aggregate Base)				3,600 sq ft		5.00 18,000		20,248 26,337		2 1.2	
3 West Front Parking Lot - Remove & Replace (Salvage Aggregate Base)				18,500 sq ft		5.00 92,500		104,050 104,050		3 1.3	
4 West Drive - Mill/Overlay w/ Isolated Full-Depth Repairs				11,200 sq ft		2.50 28,000		31,496 31,496		3 1.3	
5 South Parking Lot - Remove & Replace (Salvage Aggregate Base)				27,500 sq ft		5.00 137,500		154,669 154,669		1 1.1	
6 Isolated Concrete Sidewalk Repair				1,000 sq ft		8.00 8,000		8,999 11,705		1 1.1	
7 Isolated Concrete Curb and/or Gutter Repairs				1,000 lnft		50.00 50,000		56,243 73,158		1 1.1	
8 Structure Repair (Adjust/Underdrain/Collar)				3 each		2,500.00 7,500		8,436 8,436		1 1.1	
9 Stormwater Management Allowance				1 ls		250,000.00 250,000		281,216 281,216		1 1.1	
Site Paving Subtotal:						715,976		756,909			
Site Improvements											
Install new gate at West service drive				1 allo		5,000.00 5,000		5,624 7,316		2 1.2	
Install new gate at East fire-access drive				1 allo		5,000.00 5,000		5,624 7,316		2 1.2	
Improve site drainage at play areas				1 allo		15,000.00 15,000		16,873 21,947		1 1.1	
Site Improvement Subtotal:						28,122		36,579			
SITE WORK SUBTOTAL:						744,098		793,487			
INSTRUCTIONAL TECHNOLOGY											
Computers and Mobile Devices											
n/a						0		0		0	
Audiovisual											
n/a						0		0		0	
INSTRUCTIONAL TECHNOLOGY SUBTOTAL:						0		0			
FURNITURE, FURNISHINGS AND EQUIPMENT											
Non-Instructional Equipment											
n/a						0		0		0	
Non-Instructional Equipment Subtotal:						0		0			
Furniture, Furnishings & Equipment (FFE)											
purchase custodial equipment				1 allo		15,000.00 15,000		16,873 21,947		1 1.1	
F, F, & E Subtotal:						16,873		21,947			
F, F, & E SUBTOTAL:						16,873		21,947			
PROJECT TOTAL:						4,840,402		6,121,700			
Construction Contingency:						426,053					
Permits / General Conditions:						164,031					
Design Consultants:						327,417					
C.M. Costs:						363,796					
Notes:											
Indirect Costs include; contingency, general conditions & professional fees											

Anchor Bay School District 2022 Bond Program Great Oaks Elementary 32900 24 mile Road, Chesterfield Building Project Work List				PRELIMINARY - FOR DISCUSSION PURPOSE ONLY Grades: 4% per year Year Built: 1998 3 years Building Size: 62,183 to midpoint Site Size: 1.125				site visit: Jan 2022 enrollment: 453 teaching stations: capacity: Date: 2/17/22			
Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
BUILDING TOTAL: 6,121,700											

Anchor Bay School District				PRELIMINARY - FOR DISCUSSION PURPOSE ONLY				site visit: Jan 2022			
2022 Bond Program				Grades:		4% per year		enrollment:		428	
Lighthouse Elementary				Year Built: 1957		3 years		teaching stations:			
51880 Washington Street, New Baltimore				Building Size: 86,768		to midpoint		capacity:			
Building Project Work List				Site Size:		1.125		Date: 2/17/22			
Category					Direct		Total				
Subcategory					w/		w/ Indirect				
Description		Qty	Unit	Unit Cost	Cost	Escalation	Costs	Notes	Priority	Category	
NEW CONSTRUCTION											
n/a					0	0	0				
		0	sqft		SUBTOTAL:		0	0			
REMODELING WORK											
Exterior Work											
Roofing											
1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	12,000	sqft	17.00	204,000	229,472	298,483	Roof Type: EPDM (Area B)	1	1.1	
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	34,200	sqft	17.00	581,400	653,996	850,676	Roof Type: EPDM	2	1.2	
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	34,200	sqft	17.00	581,400	653,996	850,676	Roof Type: TP & EPDM	3	1.3	
Building Envelope											
	Remove old boiler stack	1	allo	10,000.00	10,000	11,249	14,632		2	1.2	
	Kitchen lift and access improvements	1	allo	25,000.00	25,000	28,122	36,579		2	1.2	
	Modify SW entry for new Tech entrance	1	allo	25,000.00	25,000	28,122	36,579		2	1.2	
	Install new windows at 2nd GR wing	1	allo	50,000.00	50,000	56,243	73,158		1	5.1	
	Install new windows at K-1 wing	1	allo	50,000.00	50,000	56,243	73,158		1	5.1	
	Replace fascia and perimeter edge metal	3,000	sqft	55.00	165,000	185,603	241,420	correct leaks	2	1.2	
	Replace exterior door frames	6	each	2,500.00	15,000	16,873	21,947	Frames only	1	1.1	
Exterior Work Subtotal:						1,919,918	2,497,307				
Interior Work											
	Abate asbestos	86,768	sqft	0.50	43,400	48,819	63,501		1	1.1	
	Replace CR CPT in N (3-5) CR wing area	1	allo	72,900.00	72,900	82,003	106,664		1	1.1	
	Replace corridor CPT in N (3-5) CR wing area	1	allo	9,000.00	9,000	10,124	13,168		1	1.1	
	Replace CR CPT in S (2nd GR) CR wing area	1	allo	24,300.00	24,300	27,334	35,555		1	1.1	
	Replace corridor CPT in S (2nd GR) CR wing area	1	allo	9,000.00	9,000	10,124	13,168		1	1.1	
	Replace CR CPT in E (K-1) CR wing area	1	allo	48,600.00	48,600	54,668	71,109		1	1.1	
	Replace corridor CPT in E (K-1) CR wing area	1	allo	9,000.00	9,000	10,124	13,168		1	1.1	
	Replace CPT in Music Room	1	allo	10,800.00	10,800	12,149	15,802		1	1.1	
	Provide additional corridor lockers for 3-5 wing	75	each	200.00	15,000	16,873	21,947		2	1.2	
	Replace countertops at CR sink cabs	20	each	1,000.00	20,000	22,497	29,263		2	1.2	
	Remodel staff toilet rooms	4	each	25,000.00	100,000	112,486	146,315		1	1.1	
	Remodel 2nd GR wing toilet rooms	4	each	15,000.00	60,000	67,492	87,789		1	1.1	
	Remodel K-1 wing CR toilet rooms	8	each	15,000.00	120,000	134,984	175,578		1	1.1	
	Add security hardware at all student occupied spaces	35	allo	750.00	26,300	29,584	38,481	District Standard	1	4.1	
	Add privacy/security film at Office area	1	allo	5,000.00	5,000	5,624	7,316	District Standard	1	4.1	
	Replace CT flooring at drinking fountains with CPT	1	allo	1,500.00	1,500	1,687	2,195		2	1.2	
	Replace all old (non CR entry) interior doors	1	allo	150,000.00	150,000	168,730	219,473		2	1.2	
Interior Work Subtotal:						815,301	1,060,492				
Mechanical Systems											
Fire Suppression System											
n/a					0	0	0				
Plumbing Work											

Building Project Work List

Site Size:

1.125

Date: 2/17/22

BARTON MALOW BUILDERS

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY	site visit: Jan 2022
2022 Bond Program	Grades: 4% per year	enrollment: 428
Lighthouse Elementary	Year Built: 1957	teaching stations:
51880 Washington Street, New Baltimore	Holding Size: 86,768	capacity:
Building Project Work List	Site Size: 1.125	Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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Electronic Safety & Security

Provide new Voice fire alarm system	86,768	sqft	3.00	260,300	292,802	380,858				1	4.1
Electrical Systems Subtotal:						1,424,640	1,853,081				
Construction Subtotal:						6,638,272	8,634,642				

Technology Infrastructure

replace category 5 cabling	1	lpsm	35,000.00	35,000	39,370	51,210				2	1.2
replace fiber to IDFs	3	each	3,750.00	11,300	12,711	16,534				2	1.2
demo coax/legacy cables	1	lpsm	7,500.00	7,500	8,436	10,974				2	1.2
network switches - core/aggregate	1	each	50,000.00	50,000	56,243	73,158			district core	2	1.2
network switches - edge	17	each	3,800.00	64,600	72,666	94,520			add 1 per TF for growth	2	1.2
replace rack UPS's	4	each	2,250.00	9,000	10,124	13,168				2	1.2
wireless infrastructure	0	each	1,150.00	0	0	0			installing 2022		
data center	1	lpsm	300,000.00	300,000	337,459	438,945			firewall, SAN, etc.	2	1.2
phone system	1	lpsm	140,000.00	140,000	157,481	204,841			district headend	2	1.2
replace clock system	86,768	sf	0.65	56,400	63,442	82,522				1	1.1
Technology Infrastructure Subtotal:						757,933	985,871				

Technology Safety & Security

security cameras	1	allo	30,000.00	30,000	33,746	43,895				1	4.2
video surveillance servers	1	lpsm	140,000.00	140,000	157,481	204,841				1	4.2
replace entrance intercoms	1	each	3,500.00	3,500	3,937	5,121				1	4.3
access control	6	each	3,200.00	19,200	21,597	28,093				1	4.3
access control panels	1	allo	50,000.00	50,000	56,243	73,158			district headend	1	4.3
emergency alert system	1	allo	20,000.00	20,000	22,497	29,263				1	4.4
replace PA system	1	allo	45,000.00	45,000	50,619	65,842				1	4.5
Technology Safety & Security Subtotal:						346,121	450,212				
Technology & Safety Infrastructure Subtotal:						1,104,054	1,436,083				
REMODELING SUBTOTAL:						7,742,326	10,070,725				

SITE WORK

Site Paving

1 Southwest Parking/Loop - Reconstruct Asphalt Pavement	17,000	sq ft	6.50	110,500	124,297	161,678				1	1.1
2 East Parking/Loop - Remove & Replace (Salvage Aggregate Base)	39,000	sq ft	5.00	195,000	219,348	285,315				3	1.3
3 East Drive - Remove & Replace (Salvage Aggregate Base)	13,100	sq ft	5.00	65,500	73,679	73,679				2	1.2
4 Northwest Parking - Reconstruct Asphalt	35,000	sq ft	6.50	227,500	255,907	255,907				2	1.2
5 Northwest Drive - Reconstruct Asphalt Pavement	26,000	sq ft	6.50	169,000	190,102	190,102				1	1.1
6 Isolated Concrete Sidewalk Repair	1,800	sq ft	8.00	14,400	16,198	21,069				1	1.1
7 Isolated Concrete Curb and/or Gutter Repairs	100	lnft	50.00	5,000	5,624	5,624				1	1.1
8 Structure Repair (Adjust/Underdrain/Collar)	11	each	2,500.00	27,500	30,934	30,934				1	1.1
9 Stormwater Management Allowance	1	ls	650,000.00	650,000	731,162	731,162				1	1.1
Site Paving Subtotal:						1,647,251	1,755,469				

Site Improvements

Correct groundwater and grading issues	1	allo	75,000.00	75,000	84,365	109,736	perimeter drains	1	1.1
remove UST	1	allo	50,000.00	50,000	56,243	73,158	per M&O	2	1.2

Anchor Bay School District					PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022			
2022 Bond Program					Grades:		4% per year		enrollment: 428		
Lighthouse Elementary					Year Built: 1957		3 years		teaching stations:		
51880 Washington Street, New Baltimore					Building Size: 86,768		to midpoint		capacity:		
Building Project Work List					Site Size:		1.125		Date: 2/17/22		
Category						Direct		Total			
Subcategory						w/		w/ Indirect			
Description		Qty	Unit	Unit Cost	Cost	Escalation	Costs	Notes		Priority	Category
Renovate Big Stone school		1,250	sqft	65.00	81,300	91,451	118,954	foundation, mech		1	1.1
Site Improvement Subtotal:						232,059	301,848				
SITE WORK SUBTOTAL:						1,879,310	2,057,317				
INSTRUCTIONAL TECHNOLOGY											
Computers and Mobile Devices											
n/a						0	0	0			
Audiovisual											
n/a						0	0	0			
INSTRUCTIONAL TECHNOLOGY SUBTOTAL:						0	0				
FURNITURE, FURNISHINGS AND EQUIPMENT											
Non-Instructional Equipment											
n/a						0	0	0			
Non-Instructional Equipment Subtotal:						0	0				
Furniture, Furnishings & Equipment (FFE)											
purchase custodial equipment		1	allo	15,000.00	15,000	16,873	21,947			1	1.1
F, F, & E Subtotal:						16,873	21,947				
F, F, & E SUBTOTAL:						16,873	21,947				
PROJECT TOTAL:						9,638,510	12,149,989				
Construction Contingency:						835,110					
Permits / General Conditions:						321,517					
Design Consultants:						641,772					
C.M. Costs:						713,080					
BUILDING TOTAL:						12,149,989					
Notes:											
Indirect Costs include; contingency, general conditions & professional fees											

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY	site visit: Jan 2022
2022 Bond Program	Grades: 4% per year	enrollment: 279
Lottie Elementary	Year Built: 1972	teaching stations:
33700 Hooker Road, Chesterfield	Building Size: 56,394	capacity:
Building Project Work List	Site Size: 1.125	Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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NEW CONSTRUCTION											
n/a						0	0	0			
			0	sqft		SUBTOTAL:	0	0			

REMODELING WORK

Exterior Work

Roofing

1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	14,000	sqft	20.00	280,000	314,962	409,682	Roof Type: BUR	1	1.1
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	20,000	sqft	17.00	340,000	382,454	497,471	Roof Type: TP	2	1.2
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	20,000	sqft	17.00	340,000	382,454	497,471	Roof Type: TP	3	1.3

Building Envelope

	Install entry canopy at secure entrance	1	allo	25,000.00	25,000	28,122	36,579		2	1.2
	Replace exterior door frames	10	each	2,500.00	25,000	28,122	36,579	Frames Only	1	1.1
	Window replacement	1	allo	400,000.00	400,000	449,946	585,261		1	5.1

Exterior Work Subtotal: 1,586,058 2,063,043

Interior Work

	Abate asbestos	56,394	sqft	0.50	28,200	31,721	41,261		1	1.1
	Replace all old (non CR entry) interior doors	1	allo	150,000.00	150,000	168,730	219,473	District Standard	2	1.2
	Add security hardware at all student occupied spaces	35	allo	750.00	26,300	29,584	38,481	District Standard	1	4.1
	Add privacy/security film at Office area	1	allo	5,000.00	5,000	5,624	7,316	District Standard	1	4.1
	Ceiling tile replacement	1	allo	135,000.00	135,000	151,857	197,525	Curled ceiling tile	2	1.2
	Replace chalk boards with marker boards	1	allo	48,000.00	48,000	53,993	70,231		2	1.2
	Replace countertops at CR sink cabs	16	each	1,000.00	16,000	17,998	23,410		2	1.2
	Replace flooring at stage area risers	1	allo	2,000.00	2,000	2,250	2,926		2	1.2
	Replace privacy film at Cafeteria exterior windows	1	allo	500.00	500	562	732		1	4.1
	Remodel upper el (gang) toilet rooms	2	each	100,000.00	200,000	224,973	292,630	partitions & fixtures good - need epoxy walls/floors	2	1.2
	Remodel lower el toilet rooms (in CRs)	10	each	15,000.00	150,000	168,730	219,473		2	1.2
	Remodel staff toilet rooms	4	each	25,000.00	100,000	112,486	146,315		2	1.2
	Replace interior doors in Gym area	8	each	3,000.00	24,000	26,997	35,116		1	1.1
	Replace CT flooring at drinking fountains with CPT	1	allo	1,500.00	1,500	1,687	2,195		2	1.2
	Replace CPT in PE Office	1	allo	1,800.00	1,800	2,025	2,634		2	1.2

Interior Work Subtotal: 999,217 1,299,717

Mechanical Systems

Fire Suppression System

n/a					0	0	0			
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Plumbing Work

	Replace outside hose bibbs	6	each	1,000.00	6,000	6,749	8,779		2	1.2
	Provide point of use thermostat mixing valves at lavs & sinks	50	each	1,000.00	50,000	56,243	73,158		2	1.2
	Replace drinking ftns with bottle filling stations	6	each	4,000.00	24,000	26,997	35,116		1	1.1

HVAC System

Anchor Bay School District
2022 Bond Program
Lottie Elementary
33700 Hooker Road, Chesterfield
Building Project Work List

PRELIMINARY - FOR DISCUSSION PURPOSE ONLY

Grades: 4% per year
Year Built: 1972 3 years
Building Size: 56,394 to midpoint
Site Size: 1.125

site visit: Jan 2022
enrollment: 279
teaching stations:
capacity:
Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		Replace horizontal unit vents with new vertical unit vents	23	each	20,000.00	460,000	517,437	673,050		1	1.1
		Replace 20 year old heating HW pumps with new (974 gpm @ 120')	2	each	15,000.00	30,000	33,746	43,895		1	1.1
		Replace Office area RTU (approx 10 tons)	1	each	40,000.00	40,000	44,995	58,526		1	1.1
		Replace RTU serving lobby (approx. 7.5 tons)	1	each	45,000.00	45,000	50,619	65,842		1	1.1
		Replace RTU serving cafeteria (approx 30 tons)	1	each	65,000.00	65,000	73,116	95,105		1	1.1
		Replace RTU serving the gym (approx 20 tons)	1	each	60,000.00	60,000	67,492	87,789		1	1.1
		Replace all original roof EFs with new Balance system to address airflow issues	8	each	2,500.00	20,000	22,497	29,263		2	1.2
		Replace 23 year old boilers with high eff. Boilers	56,394	sqft	0.50	28,200	31,721	41,261	ceiling tiles bowed	1	1.1
			2	each	100,000.00	200,000	224,973	292,630		1	1.1
	Integrated Automation										
		update temperature controls	56,394	sqft	3.00	169,200	190,327	247,565		1	5.2
						Mechanical Systems Subtotal:	1,346,912	1,751,977			
Electrical Systems											
	Power										
		Provide new generator for food service coolers/ boilers / IT	1	allo	75,000.00	75,000	84,365	109,736		1	4.1
		Add power for new washer/dryer	1	allo	2,500.00	2,500	2,812	3,658		2	1.2
		Replace existing original panels / transformers (8) panels (4) transformers	1	allo	180,000.00	180,000	202,476	263,367		2	1.2
	Lighting										
		LED lighting and controls upgrade for interior of school	56,394	sqft	8.75	493,400	555,008	721,919		2	5.3
		LED wall pack upgrade on exterior of building (parking log was converted in 2018 bond)	5	each	1,000.00	5,000	5,624	7,316		2	5.3
		Provide new egress lighting at exterior doors	15	each	1,000.00	15,000	16,873	21,947		2	5.3
	Communication Systems										
		see technology infrastructure				0	0	0			
	Electronic Safety & Security										
		Provide new Voice fire alarm system	56,394	sqft	3.00	169,200	190,327	247,565		1	4.1
						Electrical Systems Subtotal:	1,057,485	1,375,509			
						Construction Subtotal:	4,989,672	6,490,247			
Technology Infrastructure											
		replace category 5 cabling	1	lpsm	35,000.00	35,000	39,370	51,210		2	1.2
		replace fiber to IDFs	1	each	3,750.00	3,800	4,274	5,560		2	1.2
		demo coax/legacy cables	1	lpsm	7,500.00	7,500	8,436	10,974		2	1.2
		network switches - edge	9	each	3,800.00	34,200	38,470	50,040	add 1 per TF for growth	2	1.2
		replace rack UPS's	2	each	2,250.00	4,500	5,062	6,584		2	1.2
		wireless infrastructure	0	each	1,150.00	0	0	0	installing 2022		
		phone system	1	lpsm	20,000.00	20,000	22,497	29,263		2	1.2
		replace clock system	56,394	sf	0.65	36,700	41,283	53,698		1	1.1
						Technology Infrastructure Subtotal:	159,393	207,329			
Technology Safety & Security											

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY	site visit: Jan 2022
2022 Bond Program	Grades: 4% per year	enrollment: 279
Lottie Elementary	Year Built: 1972	teaching stations:
33700 Hooker Road, Chesterfield	Building Size: 56,394	capacity:
Building Project Work List	Site Size: 1.125	Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		security cameras	1	allo	30,000.00	30,000	33,746	43,895		1	4.2
		replace entrance intercoms	1	each	3,500.00	3,500	3,937	5,121		1	4.3
		access control	7	each	3,200.00	22,400	25,197	32,775		1	4.3
		access control panels	1	allo	25,000.00	25,000	28,122	36,579		1	4.3
		emergency alert system	1	allo	20,000.00	20,000	22,497	29,263		1	4.4
		replace PA system	1	allo	45,000.00	45,000	50,619	65,842		1	4.5
Technology Safety & Security Subtotal:							164,118	213,474			
Technology & Safety Infrastructure Subtotal:							323,511	420,802			
REMODELING SUBTOTAL:							5,313,183	6,911,049			

SITE WORK

Site Paving

1	North Front Parking Lot - Mill/Overlay w/ Isolated Full-Depth Repairs	22,000	sq ft	2.50	55,000	61,868	80,473	2	1.2
2	Front Loop - Remove & Replace (Salvage Aggregate Base)	15,000	sq ft	5.00	75,000	84,365	109,736	1	1.1
3	West Parking Lot/Playground Asphalt Pavement - Reconstruct Asphalt Pavement	64,000	sq ft	6.50	416,000	467,943	467,943	3	1.3
4	Isolated Concrete Sidewalk Repairs	200	sq ft	8.00	1,600	1,800	2,341	1	1.1
5	Isolated Concrete Curb and/or Gutter Repairs	100	lnft	50.00	5,000	5,624	5,624	1	1.1
6	Reconstruct Concrete Service Area's Pavement	500	sq ft	12.00	6,000	6,749	6,749	2	1.2
7	Structure Repair (Adjust/Underdrain/Collar)	7	each	2,500.00	17,500	19,685	19,685	1	1.1
8	Stormwater Management Allowance	1	ls	400,000.00	400,000	449,946	449,946	1	1.1
Site Paving Subtotal:						1,097,980	1,142,498		

Site Improvements

Install drain tile in area that floods at back of playground	1	allo	15,000.00	15,000	16,873	21,947		1	1.1
Site Improvement Subtotal:					16,873	21,947			
SITE WORK SUBTOTAL:					1,114,853	1,164,446			

INSTRUCTIONAL TECHNOLOGY

Computers and Mobile Devices

n/a					0	0	0				
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Audiovisual

n/a					0	0	0				
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INSTRUCTIONAL TECHNOLOGY SUBTOTAL: 0 0

FURNITURE, FURNISHINGS AND EQUIPMENT

Non-Instructional Equipment

n/a					0	0	0				
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Non-Instructional Equipment Subtotal: 0 0

Furniture, Furnishings & Equipment (FFE)

	purchase custodial equipment	1	allo	15,000.00	15,000	16,873	21,947		1	1.1
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F, F, & E Subtotal: 16,873 21,947

F, F, & E SUBTOTAL: 16,873 21,947

PROJECT TOTAL: 6,444,908 8,097,442

Construction Contingency: 549,496

Permits / General Conditions: 211,556

Anchor Bay School District				PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022		
2022 Bond Program				Grades:		4% per year	enrollment: 279		
Lottie Elementary				Year Built: 1972		3 years	teaching stations:		
33700 Hooker Road, Chesterfield				Building Size: 56,394		to midpoint	capacity:		
Building Project Work List				Site Size:		1.125	Date: 2/17/22		
Category						Direct	Total		
Subcategory						w/	w/ Indirect		
Description	Qty	Unit	Unit Cost	Direct	Cost	Escalation	Costs	Notes	Priority Category
Notes:				Design Consultants:		422,281			
Indirect Costs include; contingency, general conditions & professional fees				C.M. Costs:		469,201			
				BUILDING TOTAL:		8,097,442			

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022		
2022 Bond Program	Grades:	4% per year		enrollment:		
Maconce Elementary	Year Built: 1998	3 years		teaching stations:		
6300 Church Road, Ira	Building Size: 56,835	to midpoint		capacity:		
Building Project Work List	Site Size:	1.125		Date: 2/17/22		

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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NEW CONSTRUCTION											
n/a						0	0	0			
				0 sqft	SUBTOTAL:		0	0			

REMODELING WORK

Exterior Work

Roofing

1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	0	sqft	17.00	0	0	0	Roof Type: EPDM	1	1.1
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	12,800	sqft	17.00	217,600	244,770	318,382	Roof Type: EPDM	2	1.2
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	7,000	sqft	10.00	70,000	78,740	102,421	Roof Type: Shingles	3	1.3

Building Envelope

	Remodel EIFS fascia system	1	allo	25,000.00	25,000	28,122	36,579		3	1.3
	Replace exterior windows	1	allo	400,000.00	400,000	449,946	585,261		1	5.1
	Replace exterior door frames	6	each	2,500.00	15,000	16,873	21,947	Frames only	1	1.1
	Add parapet screen to prevent access to roof	1	allo	25,000.00	25,000	28,122	36,579		1	1.1

Exterior Work Subtotal: 846,573 1,101,168

Interior Work

	Reface moveable partitions in CR's	2	each	10,000.00	20,000	22,497	29,263		2	1.2
	Reface moveable partitions at Café/Stage area	1	allo	15,000.00	15,000	16,873	21,947		2	1.2
	Install new CT at base of crayon columns	6	each	2,000.00	12,000	13,498	17,558		1	1.1
	Install walk off carpet at vestibules	6	each	5,000.00	30,000	33,746	43,895		2	1.2
	Install new CPT in CR areas	1	allo	194,400.00	194,400	218,674	284,437		2	1.2
	Install new CPT in corridors	1	allo	45,000.00	45,000	50,619	65,842		2	1.2
	Replace stage area curtains	1	allo	20,000.00	20,000	22,497	29,263		2	1.2
	Replace countertops at CR sink cabs	16	each	1,000.00	16,000	17,998	23,410		2	1.2
	Add security hardware at all student occupied spaces	35	allo	750.00	26,300	29,584	38,481	District Standard	1	4.1
	Add privacy/security film at Office area	1	allo	5,000.00	5,000	5,624	7,316	District Standard	1	4.1

Interior Work Subtotal: 431,610 561,411

Mechanical Systems

Fire Suppression System

n/a						0	0	0			
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Plumbing Work

	Provide point of use thermostat mixing valves at lavs & sinks	48	each	1,000.00	48,000	53,993	70,231		2	1.2
	Replace 25 year old water heater with new (199 MBH, 100 gallon)	1	each	5,000.00	5,000	5,624	7,316		1	1.1
	Replace drinking ftns with bottle filling stations	6	each	4,000.00	24,000	26,997	35,116		1	1.1

HVAC System

	Provide tempering coils to provide 2 zones for Gym/Café RTU	2	each	1,000.00	2,000	2,250	2,926		1	1.1
	Replace 23 year old boilers with high eff. Boilers	3	each	100,000.00	300,000	337,459	438,945		1	1.1
	Replace 23 year old boiler inline pumps	3	each	15,000.00	45,000	50,619	65,842		1	1.1
	Replace 23 year old heating hot water pumps (180 gpm)	2	each	15,000.00	30,000	33,746	43,895		1	1.1

Anchor Bay School District
2022 Bond Program
Maconce Elementary
6300 Church Road, Ira
Building Project Work List

PRELIMINARY - FOR DISCUSSION PURPOSE ONLY

Grades: 4% per year
Year Built: 1998 3 years
Building Size: 56,835 to midpoint
Site Size: 1.125

site visit: Jan 2022
enrollment:
teaching stations:
capacity:
Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		Replace 23 year old chilled water pumps	2	each	15,000.00	30,000	33,746	43,895		1	1.1
		Replace 23 year old Gym/Caf indoor AHU (with HHW & CHW coils)	1	each	65,000.00	65,000	73,116	95,105		1	1.1
		Replace 23 year old Media Ctr indoor AHU (with HHW & CHW coils)	1	each	55,000.00	55,000	61,868	80,473		1	1.1
		Replace 23 year old office area indoor AHU (with HHW & CHW coils)	1	each	40,000.00	40,000	44,995	58,526		1	1.1
		Replace 23 year old vertical unit ventilators	20	each	15,000.00	300,000	337,459	438,945		1	1.1
		Replace all original roof EFs with new	12	each	2,500.00	30,000	33,746	43,895		2	1.2
	Integrated Automation	update temperature controls	56,835	sqft	3.00	170,500	191,789	249,467		1	5.2
Mechanical Systems Subtotal:							1,287,407	1,674,577			
Electrical Systems											
	Power	Provide new generator for food service coolers/ boilers / IT	1	allo	75,000.00	75,000	84,365	109,736		1	4.1
	Lighting	LED lighting and controls upgrade for interior of school (Gym and Cafeteria were already converted in 2018 bond)	41,835	sqft	8.75	366,100	411,813	535,660		2	5.3
		LED wall pack upgrade on exterior of building (parking log was converted in 2018 bond)	5	each	1,000.00	5,000	5,624	7,316		2	5.3
		Provide new egress lighting at exterior doors	15	each	1,000.00	15,000	16,873	21,947		2	5.3
		Replace stage area lighting	1	allo	50,000.00	50,000	56,243	73,158		2	5.3
	Communication Systems	Add PA/intercom function to Kitchen area	1	allo	5,000.00	5,000	5,624	7,316		1	4.5
	Electronic Safety & Security	Provide new Voice fire alarm system	56,835	sqft	3.00	170,500	191,789	249,467		1	4.1
Electrical Systems Subtotal:							772,332	1,004,600			
Construction Subtotal:							3,337,921	4,341,755			
Technology Infrastructure											
		replace category 5 cabling	1	lpsm	35,000.00	35,000	39,370	51,210	add 1 per TF for growth	2	1.2
		demo coax/legacy cables	1	lpsm	7,500.00	7,500	8,436	10,974		2	1.2
		network switches - edge	5	each	3,800.00	19,000	21,372	27,800		2	1.2
		replace rack UPS's	1	each	2,250.00	2,300	2,587	3,365		2	1.2
		wireless infrastructure	0	each	1,150.00	0	0	0	installing 2022		
		phone system	1	lpsm	20,000.00	20,000	22,497	29,263		2	1.2
		replace clock system	56,835	sf	0.65	36,900	41,507	53,990		1	1.1
Technology Infrastructure Subtotal:							135,771	176,602			
Technology Safety & Security											
		security cameras	1	allo	30,000.00	30,000	33,746	43,895		1	4.2
		replace entrance intercoms	1	each	3,500.00	3,500	3,937	5,121		1	4.3
		access control	7	each	3,200.00	22,400	25,197	32,775		1	4.3
		access control panels	1	allo	25,000.00	25,000	28,122	36,579		1	4.3
		emergency alert system	1	allo	20,000.00	20,000	22,497	29,263		1	4.4
		replace PA system	1	allo	45,000.00	45,000	50,619	65,842		1	4.5
Technology Safety & Security Subtotal:							164,118	213,474			
Technology & Safety Infrastructure Subtotal:							299,889	390,076			

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY	site visit: Jan 2022
2022 Bond Program	Grades: 4% per year	enrollment:
Maconce Elementary	Year Built: 1998	3 years
6300 Church Road, Ira	Building Size: 56,835	to midpoint
Building Project Work List	Site Size: 1.125	capacity:
		Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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REMODELING SUBTOTAL: 3,637,810 4,731,832

SITE WORK

Site Paving

1	East Front Loop - Remove & Replace (Salvage Aggregate Base)	18,000	sq ft	5.00	90,000	101,238	131,684			2	1.2
2	North Parking Lot/Loop - Reconstruct & Replace (Salvage Aggregate Base)	23,500	sq ft	5.00	117,500	132,172	171,920			3	1.3
3	North Playground Pathway - Reconstruct Asphalt Pavement	4,000	sq ft	6.50	26,000	29,246	29,246			3	1.3
4	West Parking Lot/Playground Pavement - Reconstruct Asphalt Pavement	32,000	sq ft	6.50	208,000	233,972	233,972			2	1.2
5	South Drive - Mill/Overlay w/ Isolated Full-Depth Repairs	8,500	sq ft	2.50	21,300	23,960	23,960			2	1.2
6	North Drive - Reconstruct Asphalt Pavement	17,500	sq ft	6.50	113,800	128,010	128,010			1	1.1
7	Isolated Concrete Sidewalk Repairs	6,000	sq ft	8.00	48,000	53,993	70,231			1	1.1
8	Isolated Concrete Curb and/or Gutter Repairs	200	lnft	50.00	10,000	11,249	11,249			1	1.1
9	Structure Repair (Adjust/Underdrain/Collar)	8	each	2,500.00	20,000	22,497	22,497			1	1.1
10	Stormwater Management Allowance	1	ls	475,000.00	475,000	534,310	534,310			1	1.1

Site Paving Subtotal: 1,270,646 1,357,079

Site Improvements

replace pump station	1	allo	25,000.00	25,000	28,122	36,579			1	1.1
renovate storage pole barn	2,100	sqft	25.00	52,500	59,055	76,815	make weathertight		1	1.1
Install gates at dumpster area	1	allo	5,000.00	5,000	5,624	7,316			2	1.2

Site Improvement Subtotal: 92,801 120,710

SITE WORK SUBTOTAL: 1,363,448 1,477,789

INSTRUCTIONAL TECHNOLOGY

Computers and Mobile Devices

n/a					0	0	0				
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Audiovisual

n/a					0	0	0				
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INSTRUCTIONAL TECHNOLOGY SUBTOTAL: 0 0

FURNITURE, FURNISHINGS AND EQUIPMENT

Non-Instructional Equipment

n/a					0	0	0				
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Non-Instructional Equipment Subtotal: 0 0

Furniture, Furnishings & Equipment (FFE)

purchase custodial equipment	1	allo	15,000.00	15,000	16,873	21,947			1	1.1
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F, F, & E Subtotal: 16,873 21,947

F, F, & E SUBTOTAL: 16,873 21,947

PROJECT TOTAL: 5,018,131 6,231,568

Construction Contingency: 403,489

Permits / General Conditions: 155,343

Design Consultants: 310,076

C. M. Costs: 344,529

BUILDING TOTAL: 6,231,568

Notes:

Indirect Costs include; contingency, general conditions & professional fees

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY	site visit: Jan 2022
2022 Bond Program	Grades: 4% per year	enrollment: n/a
Naldrett Elementary	Year Built: 1962	teaching stations: n/a
47800 Sugarbush Road, Chesterfield	Building Size: 60,200	capacity:
Building Project Work List	Site Size: 1.125	Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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NEW CONSTRUCTION											
n/a						0	0	0			
			0	sqft		SUBTOTAL:	0	0			

REMODELING WORK

Exterior Work

Roofing

1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	0	sqft	17.00	0	0	0	Roof Type: EPDM	1	1.1
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	14,000	sqft	17.00	238,000	267,718	348,230	Roof Type: TP	2	1.2
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	21,000	sqft	17.00	357,000	401,576	522,345	Roof Type: TP	3	1.3

Building Envelope

	Replace metal siding fascia	1,500	sqft	55.00	82,500	92,801	120,710	back 1/2 of bldg only	1	1.1
	Remove old boiler stack	1	allo	10,000.00	10,000	11,249	14,632		2	1.2
	Replace exterior windows	1	allo	40,000.00	40,000	44,995	58,526	select areas	1	5.1

Exterior Work Subtotal: 818,339 1,064,443

Interior Work

	Abate asbestos	60,200	sqft	0.50	30,100	33,858	44,041		1	1.1
	Replace chalk boards with marker boards	1	allo	48,000.00	48,000	53,993	70,231		2	1.2
	Replace all old (non CR entry) interior doors	1	allo	150,000.00	150,000	168,730	219,473		2	1.2
	Remodel upper el (gang) toilet rooms	2	each	100,000.00	200,000	224,973	292,630		2	1.2
	Remodel lower el toilet rooms (in CRs)	14	each	15,000.00	210,000	236,221	307,262		2	1.2
	Replace CR CPT	1	allo	194,400.00	194,400	218,674	284,437		2	1.2
	Replace corridor CPT	1	allo	45,000.00	45,000	50,619	65,842		2	1.2
	Replace countertops at CR sink cabs	16	each	1,000.00	16,000	17,998	23,410		2	1.2
	Add security hardware at all student occupied spaces	35	allo	750.00	26,300	29,584	38,481	District Standard	1	4.1
	Add privacy/security film at Office area	1	allo	5,000.00	5,000	5,624	7,316	District Standard	1	4.1
	Replace flooring at stage area risers	1	allo	4,000.00	4,000	4,499	5,853		2	1.2
	Replace stage area curtains	1	allo	20,000.00	20,000	22,497	29,263		2	1.2

Interior Work Subtotal: 1,067,271 1,388,238

Mechanical Systems

Fire Suppression System

n/a						0	0	0			
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Plumbing Work

	Replace outside hose bibbs	8	each	1,000.00	8,000	8,999	11,705		2	1.2
	Provide point of use thermostat mixing valves at lavs & sinks	54	each	1,000.00	54,000	60,743	79,010		2	1.2
	Replace 21 year old 2000 MBH domestic water heater	2	each	5,000.00	10,000	11,249	14,632		1	1.1
	Replace drinking ftns with bottle filling stations	6	each	4,000.00	24,000	26,997	35,116		1	1.1

HVAC System

	Replace 21 year old 2000 MBH heating hot water boiler	2	each	100,000.00	200,000	224,973	292,630		1	1.1
	Replace heating hot water pumps	2	each	15,000.00	30,000	33,746	43,895		1	1.1
	Replace 20 year old 6 ton RTU that serves the Clerical room	1	each	45,000.00	45,000	50,619	65,842		1	1.1
	Replace 25 year old 2 ton RTU that serves the Teacher Work room	1	each	35,000.00	35,000	39,370	51,210		1	1.1

Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY						site visit: Jan 2022			
2022 Bond Program		Grades:		4% per year		enrollment:		n/a			
Naldrett Elementary		Year Built: 1962		3 years		teaching stations:		n/a			
47800 Sugarbush Road, Chesterfield		Building Size: 60,200		to midpoint		capacity:					
Building Project Work List		Site Size:		1.125		Date: 2/17/22					
Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		Replace 25 year old 2-1/2 ton RTU that serves the Staff Lounge	1	each	35,000.00	35,000	39,370	51,210		1	1.1
		Replace the above ceiling fan coil units that serve office areas	2	each	1,000.00	2,000	2,250	2,926		1	1.1
		Replace 22 year old 12.5 ton RTU that serves Media Center	1	each	60,000.00	60,000	67,492	87,789		1	1.1
		Replace 22 year old 4 ton RTU that serves Speech & office & Supply	1	each	35,000.00	35,000	39,370	51,210		1	1.1
		Replace horizontal unit ventilator with vertical unit vent	1	each	20,000.00	20,000	22,497	29,263		1	1.1
		Replace approx. 20 year old vertical unit ventilators	9	each	15,000.00	135,000	151,857	197,525		2	1.2
		Replace 16 year old vertical unit ventilators	17	each	15,000.00	255,000	286,840	373,104		2	1.2
		Replace all original roof EFs with new	12	each	2,500.00	30,000	33,746	43,895		2	1.2
	Integrated Automation	update temperature controls	60,200	sqft	3.00	180,600	203,150	264,245		1	5.2
Mechanical Systems Subtotal:							1,303,267	1,695,207			
Electrical Systems											
	Power	Provide new generator for food service coolers/ boilers / IT	1	allo	75,000.00	75,000	84,365	109,736		1	4.1
	Lighting	LED lighting and controls upgrade for interior of school (Gym was already converted in 2018 bond)	50,200	sqft	8.75	439,300	494,153	642,762		2	5.3
		LED wall pack upgrade on exterior of building (parking log was converted in 2018 bond)	5	each	1,000.00	5,000	5,624	7,316		2	5.3
		Provide new egress lighting at exterior doors	15	each	1,000.00	15,000	16,873	21,947		2	5.3
	Communication Systems	see technology infrastructure				0	0	0			
	Electronic Safety & Security	Provide new Voice fire alarm system	60,200	sqft	3.00	180,600	203,150	264,245		1	4.1
Electrical Systems Subtotal:							804,165	1,046,007			
Construction Subtotal:							3,993,042	5,193,895			
Technology Infrastructure											
		replace category 5 cabling	1	lpsm	35,000.00	35,000	39,370	51,210	add 1 per TF for growth installing 2022	2	1.2
		replace fiber to IDFs	2	each	3,750.00	7,500	8,436	10,974		2	1.2
		demo coax/legacy cables	1	lpsm	7,500.00	7,500	8,436	10,974		2	1.2
		network switches - edge	9	each	3,800.00	34,200	38,470	50,040		2	1.2
		replace rack UPS's	3	each	2,250.00	6,800	7,649	9,949		2	1.2
		wireless infrastructure	0	each	1,150.00	0	0	0			
		phone system	1	lpsm	20,000.00	20,000	22,497	29,263	2	1.2	
		replace clock system	60,200	sf	0.65	39,100	43,982	57,209		1	1.1
Technology Infrastructure Subtotal:							168,842	219,619			
Technology Safety & Security											
		security cameras	1	allo	30,000.00	30,000	33,746	43,895		1	4.2
		replace entrance intercoms	1	each	3,500.00	3,500	3,937	5,121		1	4.3
		access control	7	each	3,200.00	22,400	25,197	32,775		1	4.3
		access control panels	1	allo	25,000.00	25,000	28,122	36,579		1	4.3
		emergency alert system	1	allo	20,000.00	20,000	22,497	29,263		1	4.4

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY	site visit: Jan 2022
2022 Bond Program	Grades: 4% per year	enrollment: n/a
Naldrett Elementary	Year Built: 1962	teaching stations: n/a
47800 Sugarbush Road, Chesterfield	Building Size: 60,200	capacity:
Building Project Work List	Site Size: 1.125	Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		replace PA system	1	allo	45,000.00	45,000	50,619	65,842		1	4.5
Technology Safety & Security Subtotal:							164,118	213,474			
Technology & Safety Infrastructure Subtotal:							332,960	433,093			
REMODELING SUBTOTAL:							4,326,002	5,626,988			

SITE WORK										
Site Paving										
1	North Parking Lot - Remove & Replace (Salvage Aggregate Base)	56,700	sq ft	5.00	283,500	318,899	414,803		2	1.2
2	Front Drive Loop - Mill/Overlay w/ Isolated Full-Depth Repairs	6,300	sq ft	2.50	15,800	17,773	23,118		1	1.1
3	East Playground Pavement - Reconstruct Asphalt Pavement	11,000	sq ft	6.50	71,500	80,428	80,428		3	1.3
4	Isolated Concrete Sidewalk Repairs	3,500	sq ft	8.00	28,000	31,496	40,968		1	1.1
5	Isolated Concrete Curb and/or Gutter Repairs	200	lnft	50.00	10,000	11,249	11,249		1	1.1
6	Reconstruct Isolated Asphalt Pathways	4,400	sq ft	6.50	28,600	32,171	32,171		2	1.2
7	Reconstruct Concrete Service Area's Pavement	600	sq ft	12.00	7,200	8,099	8,099		2	1.2
8	Structure Repair (Adjust/Underdrain/Collar)	7	each	2,500.00	17,500	19,685	19,685		1	1.1
9	Stormwater Management Allowance	1	ls	350,000.00	350,000	393,702	393,702		1	1.1
Site Paving Subtotal:						913,502	1,024,224			
Site Improvements										
n/a					0	0	0			
Site Improvement Subtotal:						0	0			
SITE WORK SUBTOTAL:						913,502	1,024,224			

INSTRUCTIONAL TECHNOLOGY				
Computers and Mobile Devices				
n/a	0	0	0	
Audiovisual				
n/a	0	0	0	
INSTRUCTIONAL TECHNOLOGY SUBTOTAL:		0	0	

FURNITURE, FURNISHINGS AND EQUIPMENT									
Non-Instructional Equipment									
n/a				0	0	0			
Non-Instructional Equipment Subtotal:					0	0			
Furniture, Furnishings & Equipment (FFE)									
purchase custodial equipment		1	allo	15,000.00	15,000	16,873	21,947	1	1.1
F,F,&E Subtotal:						16,873	21,947		
F, F, & E SUBTOTAL:						16,873	21,947		

PROJECT TOTAL:							5,256,377	6,673,158			
Construction Contingency:							471,104				
Permits / General Conditions:							181,375				
Design Consultants:							362,038				
C.M. Costs:							402,264				
BUILDING TOTAL:							6,673,158				

Notes:
Indirect Costs include; contingency, general conditions & professional fees

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022		
2022 Bond Program	Grades: 6-8	4% per year	enrollment: 795			
Middle School North	Year Built: 1962	3 years	teaching stations: n/a			
52805 Ashley Street, New Baltimore	Building Size: 123,207	to midpoint	capacity:			
Building Project Work List	Site Size: 1.125		Date: 2/17/22			

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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NEW CONSTRUCTION											
n/a						0	0	0			
			0	sqft		SUBTOTAL:		0	0		

REMODELING WORK

Exterior Work

Roofing

1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	25,500	sqft	20.00	510,000	573,681	746,207	Roof Type: BUR	1	1.1
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	35,000	sqft	20.00	700,000	787,405	1,024,206	Roof Type: BUR	2	1.2
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	49,000	sqft	17.00	833,000	937,012	1,218,805	Roof Type: EPDM	3	1.3

Envelope

	Replace exterior windows	1	allo	500,000.00	500,000	562,432	731,576	quantity review	2	5.1
	Install new column enclosures at (old) front entrance	1	allo	40,000.00	40,000	44,995	58,526		1	1.1
	Install mtl siding over exterior fascias and column covers	1	allo	100,000.00	100,000	112,486	146,315		1	1.1
	Install window shutters at Press Box	1	allo	30,000.00	30,000	33,746	43,895		1	1.1
	Remodel RR/Concessions building	1	allo	400,000.00	400,000	449,946	585,261		1	1.1
	Add parapet screen to prevent access to roof	1	allo	25,000.00	25,000	28,122	36,579		1	1.1

Exterior Work Subtotal: 3,529,823 4,591,369

Interior Work

	Abate asbestos	123,207	sqft	0.50	61,600	69,292	90,130		1	1.1
	Replace all old (non CR entry) interior doors	1	allo	150,000.00	150,000	168,730	219,473	District Standard	2	1.2
	Add security hardware at all student occupied spaces	1	allo	27,000.00	27,000	30,371	39,505	District Standard	1	4.1
	Threshold and flooring replacement at Gym exterior doors	4	each	1,000.00	4,000	4,499	5,853		1	1.1
	Replace old scoreboard in Gym	1	allo	20,000.00	20,000	22,497	29,263		2	1.2
	Add second scoreboard in Gym	1	allo	20,000.00	20,000	22,497	29,263		2	1.2
	Replace basketball standards/backboards	6	each	3,000.00	18,000	20,248	26,337		2	1.2
	Replace interior doors	1	allo	108,000.00	108,000	121,485	158,020		2	1.2
	Install walk off CPT at building entrances	8	each	1,000.00	8,000	8,999	11,705		2	1.2
	Install Wondor cross-corridor doors	3	each	20,000.00	60,000	67,492	87,789	for building compartmentalization	1	1.1
	Reface moveable partitions in 6th GR wing	4	each	10,000.00	40,000	44,995	58,526		2	1.2
	Install new CPT in CR areas	1	allo	243,000.00	243,000	273,342	355,546	approx 50% of CRs	2	1.2
	Install acoustical panels at Cafeteria	1	allo	15,000.00	15,000	16,873	21,947		2	1.2
	Remodel Staff toilet rooms	2	each	25,000.00	50,000	56,243	73,158	Full remodel Minor remodel w/ epoxy coating over wall tile	2	1.2
	Remodel Student toilet rooms	4	each	100,000.00	400,000	449,946	585,261		2	1.2
	Add privacy/security film at Office area	1	allo	5,000.00	5,000	5,624	7,316	District Standard	1	1.1

Interior Work Subtotal: 1,383,133 1,799,091

Mechanical Systems

Fire Suppression System

n/a						0	0	0			
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Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022		
2022 Bond Program	Grades: 6-8	4% per year	enrollment: 795			
Middle School North	Year Built: 1962	3 years	teaching stations: n/a			
52805 Ashley Street, New Baltimore	Building Size: 123,207	to midpoint	capacity:			
Building Project Work List	Site Size:	1.125	Date: 2/17/22			

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
Plumbing Work											
		Replace domestic water heater (PVI 1000 MBH 250 gal)	1	each	5,000.00	5,000	5,624	7,316		1	1.1
		Replace domestic water heater (A.O.Smith 650 MBH)	1	each	5,000.00	5,000	5,624	7,316		1	1.1
		Replace domestic water storage tank (A.O.Smith 200 gal)	1	each	5,000.00	5,000	5,624	7,316		1	1.1
		Provide point of use thermostat mixing valves at lavs & sinks	40	each	1,000.00	40,000	44,995	58,526		1	1.1
		Replace drinking ftns with bottle filling stations	8	each	4,000.00	32,000	35,996	46,821		1	1.1
HVAC System											
		Replace 16 year old boilers with high eff. Boilers (4500 MBH)	2	each	150,000.00	300,000	337,459	438,945		2	1.2
		Replace 19 year old heating hot water pumps	2	each	15,000.00	30,000	33,746	43,895		2	1.2
		Replace 16 year old boilers with high eff. Boilers (2000 MBH)	2	each	150,000.00	300,000	337,459	438,945		2	1.2
		Replace 16 year old heating hot water pumps (162 apm @ 50')	2	each	15,000.00	30,000	33,746	43,895		2	1.2
		Replace horizontal unit ventilators with vert Uvs	12	each	20,000.00	240,000	269,967	351,156		1	1.1
		Replace 22 year old 110 ton air cooled chiller	1	each	300,000.00	300,000	337,459	438,945		1	1.1
		Replace inline chilled water pumps (7.5 HP)	2	each	15,000.00	30,000	33,746	43,895		2	1.2
		Replace vert unit ventilators with vert Uvs (CHW coils)	26	each	15,000.00	390,000	438,697	570,629		2	1.2
		Replace approx 15 year old RTU (approx 5 ton)	3	each	45,000.00	135,000	151,857	197,525		2	1.2
		Replace 15 year old RTU (Trane approx 12.5 ton)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace 15 year old RTU (Trane approx 10 ton)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace approx 15 year old RTU (Trane Climate Changer)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace 15 year old RTU (Trane Intellipak 75 ton with HW coil)	1	each	65,000.00	65,000	73,116	95,105		2	1.2
		Replace approx 20 year old RTU (Mammoth approx. 15 ton)	2	each	50,000.00	100,000	112,486	146,315		1	1.1
		Replace Gym RTU (McQuay heating only)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace all original roof EFs with new	16	each	2,500.00	40,000	44,995	58,526		2	1.2
		add ac in technology rooms mdf + idf 1	2	each	25,000.00	50,000	56,243	73,158		1	1.1
Integrated Automation											
		update temperature controls	1	allo	35,000.00	35,000	39,370	51,210	wet heat only	1	5.2
Mechanical Systems Subtotal:						2,623,183	3,412,069				

Electrical Systems

Power

Provide new generator for food service coolers/ boilers / IT	1	allo	75,000.00	75,000	84,365	109,736		1	4.1
Replace existing original panels in school	1	allo	150,000.00	150,000	168,730	219,473		2	1.2

Lighting

LED lighting and controls upgrade for interior of school (gym lighting was converted in 2018 bond)	98,207	sqft	8.75	859,300	966,596	1,257,286		2	5.3
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Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022		
2022 Bond Program	Grades: 6-8	4% per year	enrollment: 795			
Middle School North	Year Built: 1962	3 years	teaching stations: n/a			
52805 Ashley Street, New Baltimore	Building Size: 123,207	to midpoint	capacity:			
Building Project Work List	Site Size:	1.125	Date: 2/17/22			

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		LED wall pack upgrade on exterior of building (parking log was converted in 2018 bond)	8	each	1,000.00	8,000	8,999	11,705		2	5.3
		Provide new egress lighting at exterior doors	20	each	1,000.00	20,000	22,497	29,263		2	5.3
		replace auditorium lighting	1	allo	150,000.00	150,000	168,730	219,473		2	5.3
	Communication Systems	n/a				0	0	0			
	Electronic Safety & Security	Provide new Voice fire alarm system	123,207	sqft	3.00	369,600	415,750	540,781		1	4.1
Electrical Systems Subtotal:							1,835,666	2,387,717			
Construction Subtotal:							9,371,804	12,190,246			
	Technology Infrastructure										
		data cabling allowance for renov.	1	lpsm	10,000.00	10,000	11,249	14,632		2	1.2
		replace fiber to IDFs	5	each	3,750.00	18,800	21,147	27,507		2	1.2
		demo coax/legacy cables	1	lpsm	7,500.00	7,500	8,436	10,974		2	1.2
		network switches - core/aggregate	1	each	10,000.00	10,000	11,249	14,632		2	1.2
		network switches - edge	26	each	3,800.00	98,800	111,137	144,559	add 1 per TF for growth	2	1.2
		replace rack UPS's	6	each	2,250.00	13,500	15,186	19,753		2	1.2
		wireless infrastructure	0	each	1,150.00	0	0	0	installing 2022		
		phone system	1	lpsm	40,000.00	40,000	44,995	58,526		2	1.2
		replace clock system	123,207	sf	0.50	61,600	69,292	90,130		1	1.1
Technology Infrastructure Subtotal:							292,690	380,712			
	Technology Safety & Security										
		security cameras	123,207	sf	0.50	61,600	69,292	90,130		1	4.2
		replace entrance intercoms	1	each	3,500.00	3,500	3,937	5,121		1	4.3
		access control	7	each	3,200.00	22,400	25,197	32,775		1	4.3
		access control panels	1	allo	35,000.00	35,000	39,370	51,210		1	4.3
		emergency alert system	1	allo	40,000.00	40,000	44,995	58,526		1	4.4
		replace PA system	1	allo	80,000.00	80,000	89,989	117,052		1	4.5
Technology Safety & Security Subtotal:							272,780	354,814			
Technology & Safety Infrastructure Subtotal:							565,469	735,526			
REMODELING SUBTOTAL:							9,937,274	12,925,772			

SITE WORK											
	Site Paving										
1		North Parking Lot/Loop - Remove & Replace (Salvage Aggregate Base)	32,000	sq ft	5.00	160,000	179,978	234,104		3	1.3
2		Reconstruct Concrete Driveway Approach	1,500	sq ft	15.00	22,500	25,309	32,921		1	1.1
3		Northwest Parking Lot/Drives - Reconstruct Asphalt Pavement	43,000	sq ft	6.50	279,500	314,399	408,951		2	1.2
4		Athletic Pavement - Reconstruct Isolated Asphalt Pavement Pathways	9,500	sq ft	6.50	61,800	69,517	69,517		2	1.2
5		Isolated Concrete Sidewalk Repairs	2,500	sq ft	8.00	20,000	22,497	22,497		1	1.1
6		Isolated Concrete Curb and/or Gutter Repairs	200	lnft	50.00	10,000	11,249	11,249		1	1.1
7		Structure Repair (Adjust/Underdrain/Collar)	7	each	2,500.00	17,500	19,685	19,685		1	1.1
8		Stormwater Management Allowance	1	ls	450,000.00	450,000	506,189	506,189		2	1.2
Site Paving Subtotal:							1,148,824	1,305,112			

Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY					site visit: Jan 2022			
2022 Bond Program		Grades: 6-8		4% per year		enrollment: 795				
Middle School North		Year Built: 1962		3 years		teaching stations: n/a				
52805 Ashley Street, New Baltimore		Building Size: 123,207		to midpoint		capacity:				
Building Project Work List		Site Size:		1.125		Date: 2/17/22				
Category						Direct		Total		
Subcategory						w/		w/ Indirect		
Description		Qty	Unit	Unit Cost	Direct Cost	Escalation	Costs	Notes	Priority	Category
Site Improvements										
replace fencing		1,000	lf	20.00	20,000	22,497	29,263		2	1.2
Remodel track storage building		1	allo	100,000.00	100,000	112,486	146,315		2	1.2
Site Improvement Subtotal:						134,984	175,578			
SITE WORK SUBTOTAL:						1,283,807	1,480,691			
INSTRUCTIONAL TECHNOLOGY										
Computers and Mobile Devices										
n/a					0	0	0			
Audiovisual										
n/a					0	0	0			
INSTRUCTIONAL TECHNOLOGY SUBTOTAL:						0	0			
FURNITURE, FURNISHINGS AND EQUIPMENT										
Non-Instructional Equipment										
n/a					0	0	0			
Non-Instructional Equipment Subtotal:						0	0			
Furniture, Furnishings & Equipment (FFE)										
purchase custodial equipment		1	allo	25,000.00	25,000	28,122	36,579		1	1.1
F, F, & E Subtotal:						28,122	36,579			
F, F, & E SUBTOTAL:						28,122	36,579			
PROJECT TOTAL:						11,249,202	14,443,041			
Construction Contingency:						1,062,007				
Permits / General Conditions:						408,873				
Design Consultants:						816,139				
C.M. Costs:						906,821				
BUILDING TOTAL:						14,443,041				
Notes:										
Indirect Costs include; contingency, general conditions & professional fees										

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022		
2022 Bond Program	Grades: 6-8	4% per year	enrollment: 574			
Middle School South	Year Built: 1972	3 years	teaching stations: n/a			
48650 Sugarbush Road, Chesterfield	Building Size: 175,662	to midpoint	capacity:			
Building Project Work List	Site Size: on HS site	1.125	Date: 2/17/22			

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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NEW CONSTRUCTION											
n/a						0	0	0			
			0	sqft		SUBTOTAL:		0	0		

REMODELING WORK

Exterior Work

Roofing

1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	0	sqft	17.00	0	0	0	Roof Type: EPDM	1	1.1
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	61,800	sqft	17.00	1,050,600	1,181,782	1,537,187	Roof Type: EPDM	2	1.2
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	86,000	sqft	17.00	1,462,000	1,644,551	2,139,127	Roof Type: EPDM	3	1.3

Envelope

	Remodel exterior canopy at rear of bldg	1	allo	25,000.00	25,000	28,122	36,579		2	1.2
	Tuckpointing and/or brick replacement at rear entry area	1	allo	15,000.00	15,000	16,873	21,947	salt damage at bottom of wall	1	1.1

Exterior Work Subtotal: 2,871,328 3,734,840

Interior Work

	Abate asbestos	175,662	sqft	0.50	87,800	98,763	128,465		1	1.1
	Replace all old (non CR entry) interior doors	1	allo	180,000.00	180,000	202,476	263,367		2	1.2
	Add security hardware at all student occupied spaces	1	allo	27,000.00	27,000	30,371	39,505	District Standard	1	4.1
	Replace old scoreboard in Gym	1	allo	20,000.00	20,000	22,497	29,263		2	1.2
	Add second scoreboard in Gym	1	allo	20,000.00	20,000	22,497	29,263		2	1.2
	Add privacy/security film at Office area	1	allo	5,000.00	5,000	5,624	7,316	District Standard	1	4.1
	Repolish terrazzo floors in select areas	1	allo	50,000.00	50,000	56,243	73,158		2	1.2
	Install acoustical panels in Band & Choir Rooms	1	allo	15,000.00	15,000	16,873	21,947		2	1.2
	Install acoustical panels in Cafeteria	1	allo	20,000.00	20,000	22,497	29,263		2	1.2
	Remodel Staff toilet rooms	2	each	25,000.00	50,000	56,243	73,158	Full remodel	2	1.2
	Remodel Student toilet rooms	4	each	100,000.00	400,000	449,946	585,261		2	1.2
	Replace CPT in Auditorium	1	allo	90,000.00	90,000	101,238	131,684		2	1.2

Interior Work Subtotal: 1,085,269 1,411,648

Mechanical Systems

Fire Suppression System

n/a					0	0	0			
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Plumbing Work

	Replace 19 year old domestic water heater (1800 MBH)	1	each	5,000.00	5,000	5,624	7,316		1	1.1
	Replace 16 year old domestic water storage tank (335 gal)	1	each	5,000.00	5,000	5,624	7,316		1	1.1
	Replace approx. 15 year old gas domestic water heater (A O Smith approx. 30 gal)	1	each	5,000.00	5,000	5,624	7,316		1	1.1
	Provide point of use thermostat mixing valves at lavs & sinks	52	each	1,000.00	52,000	58,493	76,084		1	1.1
	Repair UG Sanitary Piping	1	each	30,000.00	30,000	33,746	43,895	jet and replace	1	1.1
	Replace drinking ftns with bottle filling stations	8	each	4,000.00	32,000	35,996	46,821		1	1.1

HVAC System

	Replace ? year old boilers with high eff. Boilers (9000 MBH)	2	each	150,000.00	300,000	337,459	438,945		2	1.2
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Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022		
2022 Bond Program	Grades: 6-8	4% per year	enrollment: 574			
Middle School South	Year Built: 1972	3 years	teaching stations: n/a			
48650 Sugarbush Road, Chesterfield	Building Size: 175,662	to midpoint	capacity:			
Building Project Work List	Site Size: on HS site	1.125	Date: 2/17/22			

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		Replace 19 year old heating hot water pumps (974 gpm @120')	2	each	15,000.00	30,000	33,746	43,895		2	1.2
		Replace approx. 20 year old horz. above the ceiling unit ventilators with horz.	13	each	15,000.00	195,000	219,348	285,315		2	1.2
		Above the ceiling UVs									
		Replace approx. 19 years old inline chilled water pumps (approx 5 HP)	2	each	15,000.00	30,000	33,746	43,895		2	1.2
		Replace approx. 19 years old chilled water pumps (approx 3 HP)	2	each	15,000.00	30,000	33,746	43,895		2	1.2
		Replace 16 year old vert unit ventilators with vert Uvs (CHW coils)	12	each	15,000.00	180,000	202,476	263,367		2	1.2
		Replace approx. 20 year old vert unit ventilators with vert Uvs (CHW coils)	3	each	15,000.00	45,000	50,619	65,842		2	1.2
		Replace approx 17 year old RTU (approx 5 ton)	4	each	50,000.00	200,000	224,973	292,630		2	1.2
		Replace 24 year old condensing unit (Trane 25 ton)	1	each	60,000.00	60,000	67,492	87,789		1	1.1
		Replace 19 year old RIU serves Cafeteria/ Staff lounge (McQuay RTU-2, 30 ton)	1	each	65,000.00	65,000	73,116	95,105		2	1.2
		Replace 19 year old RTU serves Vocal (Lennox approx. 10 ton)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace 16 year old RTU serves Auditorium (York 40 ton with HW coil)	1	each	65,000.00	65,000	73,116	95,105		2	1.2
		Replace 16 year old RIU serves Drama/Health/Band (York 20 ton with HW coil)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace approx. 17 year old RTU (kitchen make-up)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace approx. 17 year old RTU (serves kitchen)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace approx. 17 year old multi-zone RTU (Café & classroom approx 15 ton)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace approx. 17 year old multi-zone RTU (Gift/Hort/office approx 15 ton)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace approx. 17 year old RTU (Media Center, etc. approx 25 ton)	1	each	60,000.00	60,000	67,492	87,789		2	1.2
		Replace approx. 17 year old multi-zone RTU (main office approx 10 ton)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace approx. 17 year old RTU (Classroom F138, approx 5 ton)	1	each	40,000.00	40,000	44,995	58,526		2	1.2
		Replace approx. 17 year old RTU (Offices/Shop/Life skills, etc. approx 10 ton)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		New RTU (STEM (woodshop) approx 10 ton)	1	each	50,000.00	50,000	56,243	73,158		2	1.2
		Replace 16 year old RTU serves Gym (11,000 CFM with HW coil)	2	each	50,000.00	100,000	112,486	146,315		2	1.2
		Replace all original roof EFs with new	25	each	2,500.00	62,500	70,304	91,447		2	1.2
		New fabric duct for greenhouse	1	allo	10,000.00	10,000	11,249	14,632		2	1.2
	Integrated Automation										
		update temperature controls	1	allo	35,000.00	35,000	39,370	51,210	wet heat only	1	5.2
Mechanical Systems Subtotal:							2,347,029	3,052,865			

Electrical Systems

Power

Provide new generator for food service coolers/ boilers / IT	1	allo	75,000.00	75,000	84,365	109,736	1	4.1
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Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY					site visit: Jan 2022			
2022 Bond Program		Grades: 6-8		4% per year		enrollment: 574				
Middle School South		Year Built: 1972		3 years		teaching stations: n/a				
48650 Sugarbush Road, Chesterfield		Building Size: 175,662		to midpoint		capacity:				
Building Project Work List		Site Size: on HS site		1.125		Date: 2/17/22				
Category					Direct		Total			
Subcategory					w/		w/ Indirect			
Description			Qty	Unit	Unit Cost	Cost	Escalation	Costs	Notes	Priority Category
Provide new incoming service and branch circuit panel boards			1	allo	150,000.00	150,000	168,730	219,473		2 1.2
Provide new power to sports fields			1	allo	50,000.00	50,000	56,243	73,158		2 1.2
Provide new primary switch and pad mounted transformer			1	allo	50,000.00	50,000	56,243	73,158		2 1.2
Lighting										
LED lighting and controls upgrade for interior of school (gym lighting was converted in 2018 bond)			165,662	sqft	8.75	1,449,500	1,630,490	2,120,838		2 5.3
LED wall pack upgrade on exterior of building (parking log was converted in 2018 bond)			8	each	1,000.00	8,000	8,999	11,705		2 5.3
Provide new egress lighting at exterior doors			20	each	1,000.00	20,000	22,497	29,263		2 5.3
Replace stage area lighting			1	allo	50,000.00	50,000	56,243	73,158		2 5.3
Install aisle lights in auditorium			1	allo	15,000.00	15,000	16,873	21,947		2 5.3
Convert auditorium house lighting system to dimmable LED			1	allo	125,000.00	125,000	140,608	182,894		2 5.3
Communication Systems										
n/a						0	0	0		
Electronic Safety & Security										
Provide new Voice fire alarm system			175,662	sqft	3.00	527,000	592,803	771,081		1 4.1
Electrical Systems Subtotal:							2,834,095	3,686,410		
Construction Subtotal:							9,137,720	11,885,764		
Technology Infrastructure										
data cabling allowance for renov.			1	lpsm	10,000.00	10,000	11,249	14,632		2 1.2
replace fiber to IDFs			7	each	3,750.00	26,300	29,584	38,481		2 1.2
demo coax/legacy cables			1	lpsm	7,500.00	7,500	8,436	10,974		2 1.2
network switches - core/aggregate			1	each	10,000.00	10,000	11,249	14,632		2 1.2
network switches - edge			31	each	3,800.00	117,800	132,509	172,359	add 1 per TF for growth installing 2022	2 1.2
replace rack UPS's			8	each	2,250.00	18,000	20,248	26,337		2 1.2
wireless infrastructure			0	each	1,150.00	0	0	0		2 1.2
phone system			1	lpsm	40,000.00	40,000	44,995	58,526		2 1.2
replace clock system			175,662	sf	0.50	87,800	98,763	128,465		1 1.1
Technology Infrastructure Subtotal:							357,032	464,404		
Technology Safety & Security										
security cameras			175,662	sf	0.50	87,800	98,763	128,465		1 4.2
replace entrance intercoms			1	each	3,500.00	3,500	3,937	5,121		1 4.3
access control			7	each	3,200.00	22,400	25,197	32,775		1 4.3
access control panels			1	allo	35,000.00	35,000	39,370	51,210		1 4.3
emergency alert system			1	allo	40,000.00	40,000	44,995	58,526		1 4.4
replace PA system			1	allo	80,000.00	80,000	89,989	117,052		1 4.5
Technology Safety & Security Subtotal:							302,251	393,149		
Technology & Safety Infrastructure Subtotal:							659,283	857,553		
REMODELING SUBTOTAL:							9,797,003	12,743,317		
SITE WORK										
Site Paving										
1	Northeast Lot/Drive Loop - Remove & Replace (Salvage Aggregate Base)		26,000	sq ft	5.00	130,000	146,232	190,210		2 1.2
2	South Loop/Service Drive - Remove & Replace (Salvage Aggregate Base)		6,000	sq ft	5.00	39,500	44,432	44,432		2 1.2

Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY						site visit: Jan 2022		
2022 Bond Program		Grades: 6-8		4% per year				enrollment: 574		
Middle School South		Year Built: 1972		3 years				teaching stations: n/a		
48650 Sugarbush Road, Chesterfield		Building Size: 175,662		to midpoint				capacity:		
Building Project Work List		Site Size: on HS site		1.125				Date: 2/17/22		
Category										
Subcategory						Direct	Total			
Description		Qty	Unit	Unit Cost	Direct Cost	w/ Escalation	w/ Indirect Costs	Notes	Priority	Category
3	South Parking Lot - Mill/Overlay w/ Isolated Full-Depth Repairs	82,500	sq ft	2.50	206,300	232,059	301,848		3	1.3
4	Northwest Parking Lot - Remove & Replace (Salvage Aggregate Base)	36,000	sq ft	5.00	180,000	202,476	202,476		2	1.2
5	West Drive - Reconstruct Asphalt Pavement	27,000	sq ft	6.50	175,500	197,414	197,414		1	1.1
6	Track & Field Entrance - Reconstruct Asphalt Pavement	3,200	sq ft	6.50	20,800	23,397	23,397		2	1.2
7	Isolated Concrete Sidewalk Repairs	8,800	sq ft	8.00	70,400	79,190	103,006		1	1.1
8	Isolated Concrete Curb and/or Gutter Repairs	300	lnft	50.00	15,000	16,873	16,873		1	1.1
9	Structure Repair (Adjust/Underdrain/Collar)	23	each	2,500.00	57,500	64,680	64,680		1	1.1
10	Stormwater Management Allowance	1	ls	500,000.00	500,000	562,432	562,432		1	1.1
Site Paving Subtotal:						1,569,185	1,706,767			
Site Improvements										
	Replace storage bldg between track and tennis courts	1	allo	250,000.00	250,000	281,216	365,788		2	1.2
Site Improvement Subtotal:						281,216	365,788			
SITE WORK SUBTOTAL:						1,850,401	2,072,555			
INSTRUCTIONAL TECHNOLOGY										
Computers and Mobile Devices										
	n/a				0	0	0			
Audiovisual										
	n/a									
INSTRUCTIONAL TECHNOLOGY SUBTOTAL:						0	0			
FURNITURE, FURNISHINGS AND EQUIPMENT										
Non-Instructional Equipment										
	n/a				0	0	0			
Non-Instructional Equipment Subtotal:						0	0			
Furniture, Furnishings & Equipment (FFE)										
	purchase custodial equipment	1	allo	25,000.00	25,000	28,122	36,579		1	1.1
F,F,&E Subtotal:						28,122	36,579			
F, F, & E SUBTOTAL:						28,122	36,579			
PROJECT TOTAL:						11,675,526	14,852,450			
Construction Contingency:						1,056,382				
Permits / General Conditions:						406,707				
Design Consultants:						811,817				
C.M. Costs:						902,018				
BUILDING TOTAL:						14,852,450				
Notes:										
Indirect Costs include; contingency, general conditions & professional fees										

Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022		
2022 Bond Program		Grades:		4% per year	enrollment: 1937		
High School		Year Built: 2002		3 years	teaching stations: n/a		
6319 County Line Road, Ira		Building Size: 467,110		to midpoint	capacity:		
Building Project Work List		Site Size:		1.125	Date: 2/17/22		

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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NEW CONSTRUCTION											
n/a						0	0	0			
				0 sqft	SUBTOTAL:		0	0			

REMODELING WORK

Exterior Work

Roofing

1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	90,000	sqft	17.00	1,530,000	1,721,042	2,238,622	Roof Type: TP	1	1.1
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	90,000	sqft	17.00	1,530,000	1,721,042	2,238,622	Roof Type: TP	2	1.2
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	90,000	sqft	17.00	1,530,000	1,721,042	2,238,622	Roof Type: TP	3	1.3

Envelope

	Masonry Restoration and Perimeter Sealants	1	allo	200,000.00	200,000	224,973	292,630		1	1.1
	Replace Stadium Grandstands	1	allo	50,000.00	50,000	56,243	73,158		2	1.2
	Install metal panels at EIFS	1	allo	125,000.00	125,000	140,608	182,894		2	1.2

Exterior Work Subtotal: 5,584,950 7,264,547

Interior Work

	Add security hardware at all student occupied spaces	1	allo	65,000.00	65,000	73,116	95,105	District Standard	1	4.1
	Replace carpeting in CR's	1	allo	405,000.00	405,000	455,570	592,576		2	1.2
	Install non-slip flooring at treads in all stairwells	1	allo	80,000.00	80,000	89,989	117,052		1	1.1
	Add security/obscuring film at office area glass walls	1	allo	10,000.00	10,000	11,249	14,632		1	4.1
	Replace 1st & 2nd floor fire separation curtains	1	allo	20,000.00	20,000	22,497	29,263	between lobby 1st & media ctr 2nd - can these be repaired???	1	4.1
	Replace divider curtain in main Gym	1	allo	20,000.00	20,000	22,497	29,263		2	1.2
	Replace wall pads in Aux Gym	1	allo	10,000.00	10,000	11,249	14,632		2	1.2
	Refinish wood flooring in main Gym	1	allo	120,000.00	120,000	134,984	175,578		2	1.2

Interior Work Subtotal: 821,151 1,068,101

Mechanical Systems

Fire Suppression System

-					0	0	0				
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Plumbing Work

	Replace 20 year old gas domestic water heater (200 MBH)	2	each	10,000.00	20,000	22,497	29,263		2	1.2
	Replace 20 year old domestic water storage tank (50 gal)	2	each	10,000.00	20,000	22,497	29,263		2	1.2
	Replace domestic water booster pump (leaks)	1	each	15,000.00	15,000	16,873	21,947		2	1.2
	Replace drinking ftns with bottle filling stations	10	each	4,000.00	40,000	44,995	58,526		1	1.1
	Install new sinks in lieu of hand wash fountains in qanq toilet rooms	1	allo	100,000.00	100,000	112,486	146,315		1	1.1

HVAC System

	Replace 21 year old heating hot water pumps (1860 apm @90'. 50HP)	2	each	15,000.00	30,000	33,746	43,895		2	1.2
	Replace 21 year old air cooled chiller (400 ton)	2	each	500,000.00	1,000,000	1,124,864	1,463,151		2	1.2

Anchor Bay School District					PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022			
2022 Bond Program					Grades:		4% per year		enrollment: 1937		
High School					Year Built: 2002		3 years		teaching stations: n/a		
6319 County Line Road, Ira					Building Size: 467,110		to midpoint		capacity:		
Building Project Work List					Site Size:		1.125		Date: 2/17/22		
Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		Replace 21 years old chilled water pumps	2	each	15,000.00	30,000	33,746	43,895		2	1.2
		Replace 21 years old heating HW inline pumps at each AHU (approx 1/2 HP)	20	each	15,000.00	300,000	337,459	438,945		2	1.2
		Replace 21 year old indoor AHUs (with HW & CHW coils)	20	each	65,000.00	1,300,000	1,462,323	1,902,097		2	1.2
		Replace heating hot water expansion joints	10	each	1,000.00	10,000	11,249	14,632		1	1.1
		Replace all original EFs with new	16	each	2,500.00	40,000	44,995	58,526		2	1.2
		Separate Wt Room from same zone as Wrestling Room	1	allo	20,000.00	20,000	22,497	29,263		2	1.2
	Integrated Automation	update temperature controls	467,110	sqft	3.50	1,634,900	1,839,040	2,392,106		1	5.2
Mechanical Systems Subtotal:							5,129,267	6,671,824			
Electrical Systems											
	Power	Upgrade back-up generator	1	allo	200,000.00	200,000	224,973	292,630		1	4.1
		Add more power in athletics concessions	1	allo	25,000.00	25,000	28,122	36,579		2	1.2
		Primary line up for football field has issues	1	allo	25,000.00	25,000	28,122	36,579		2	1.2
		Replace motor control center by athletic offices	1	allo	25,000.00	25,000	28,122	36,579		2	1.2
		Install electric hand dryers in gang toilet rooms	1	allo	25,000.00	25,000	28,122	36,579		2	1.2
	Lighting	LED lighting and controls upgrade for interior of school (wrestling, weight room were upgraded in 2018 bond)	412,110	sqft	8.75	3,606,000	4,056,260	5,276,124		2	5.3
		LED wall pack upgrade on exterior of building (parking log was converted in 2018 bond)	20	each	1,000.00	20,000	22,497	29,263		2	5.3
		Provide new egress lighting at exterior doors	40	each	1,000.00	40,000	44,995	58,526		2	5.3
		Provide new LED sports lighting at football field	1	allo	400,000.00	400,000	449,946	585,261		2	5.3
		Add light switches in lower level of auditorium for catwalk lighting	1	allo	5,000.00	5,000	5,624	7,316		2	5.3
		Upgrade remaining Auditorium lighting to LED	1	allo	200,000.00	200,000	224,973	292,630		2	5.3
		Replace main Gymnasium lighting	1	allo	180,000.00	180,000	202,476	263,367		2	5.3
		Replace Aux Gym lighting	1	allo	90,000.00	90,000	101,238	131,684		2	5.3
	Communication Systems	Replace sound console in Auditorium	0	allo	20,000.00	0	0	0	in tech	2	1.2
		Replace video system in auditorium	0	allo	50,000.00	0	0	0	in tech	2	1.2
		Upgrades to sound system in Auditorium	0	allo		0	0	0	in tech	2	1.2
		Upgrades to sound system in Black Box Theater	0	allo	25,000.00	0	0	0	in tech	2	1.2
		Install new sound system in main Gymnasium	0	allo	35,000.00	0	0	0	in tech	2	1.2
	Electronic Safety & Security	Upgrade pre-action system	1	allo	25,000.00	25,000	28,122	36,579		1	4.1
		Provide new voice fire alarm system	467,110	sqft	3.00	1,401,300	1,576,272	2,050,314		1	4.1
Electrical Systems Subtotal:							7,049,860	9,170,009			
Construction Subtotal:							18,585,228	24,174,480			
Technology Infrastructure											

Anchor Bay School District
2022 Bond Program
High School
6319 County Line Road, Ira
Building Project Work List

PRELIMINARY - FOR DISCUSSION PURPOSE ONLY

Grades: 4% per year
Year Built: 2002 3 years
Building Size: 467,110 to midpoint
Site Size: 1.125

site visit: Jan 2022
enrollment: 1937
teaching stations: n/a
capacity:
Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		data cabling allowance for renov.	1	lpsm	35,000.00	35,000	39,370	51,210		2	1.2
		replace fiber to IDFs	9	each	3,750.00	33,800	38,020	49,455	site conduit by others	2	1.2
		fiber to pressbox	1	each	25,000.00	25,000	28,122	36,579		2	1.2
		demo coax/legacy cables	1	lpsm	10,000.00	10,000	11,249	14,632		2	1.2
		network switches - core/aggregate	1	each	30,000.00	30,000	33,746	43,895		2	1.2
		network switches - edge	50	each	3,800.00	190,000	213,724	277,999	add 1 per TF for growth	2	1.2
		replace rack UPS's	10	each	2,250.00	22,500	25,309	32,921		2	1.2
		wireless infrastructure	0	each	1,150.00	0	0	0	installing 2022		
		phone system	1	lpsm	50,000.00	50,000	56,243	73,158		2	1.2
		replace clock system	467,110	sf	0.50	233,600	262,768	341,792		1	1.1
Technology Infrastructure Subtotal:							708,552	921,639			
Technology Safety & Security											
		security cameras	467,110	sf	0.50	233,600	262,768	341,792		1	4.2
		security cameras at stadium	1	lpsm	20,000.00	20,000	22,497	29,263	(assumed needed 2nd)	1	4.2
		replace entrance intercoms	2	each	3,500.00	7,000	7,874	10,242		1	4.3
		access control	13	each	3,200.00	41,600	46,794	60,867		1	4.3
		access control panels	1	allo	50,000.00	50,000	56,243	73,158		1	4.3
		emergency alert system	1	allo	60,000.00	60,000	67,492	87,789		1	4.4
		replace PA system	1	allo	125,000.00	125,000	140,608	182,894		1	4.5
Technology Safety & Security Subtotal:							604,277	786,005			
Technology & Safety Infrastructure Subtotal:							1,312,829	1,707,644			
REMODELING SUBTOTAL:							19,898,057	25,882,124			

SITE WORK

Site Paving

1	West Front Parking Lot/Drive - Reconstruct Asphalt Pavement Northwest Drive Entrance Lane-	100,000	sq ft	6.50	650,000	731,162	951,048		1	1.1
2	Remove & Replace (Salvage Aggregate Base)	1,300	sq ft	5.00	6,500	7,312	9,510		2	1.2
3	South Parking Lot - Reconstruct Asphalt Pavement	125,000	sq ft	6.50	812,500	913,952	913,952		1	1.1
4	North Drive - Remove & Replace (Salvage Aggregate Base)	21,000	sq ft	5.00	105,000	118,111	118,111		2	1.2
5	East Drive - Mill/Overlay w/ Isolated Full-Depth Repairs	38,000	sq ft	2.50	95,000	106,862	106,862		3	1.3
6	Southeast Athletics Lot - Remove & Replace (Salvage Aggregate Base)	8,000	sq ft	5.00	40,000	44,995	44,995		2	1.2
7	South Drive - Remove & Replace (Salvage Aggregate Base)	18,900	sq ft	5.00	94,500	106,300	106,300		2	1.2
8	Northeast Parking Lot - Mill/Overlay w/ Isolated Full-Depth Repairs	95,000	sq ft	2.50	237,500	267,155	267,155		3	1.3
9	East Athletic Drive - Mill/Overlay w/ Isolated Full-Depth Repairs	45,000	sq ft	2.50	112,500	126,547	126,547		3	1.3
10	Reconstruct Concrete Service Area's Pavement	2,500	sq ft	12.00	30,000	33,746	33,746		2	1.2
11	Isolated Concrete Sidewalk Repairs	22,000	sq ft	8.00	176,000	197,976	257,515		1	1.1
12	Isolated Concrete Curb and/or Gutter Repairs	1,000	lnft	50.00	50,000	56,243	56,243		1	1.1

Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY					site visit: Jan 2022		
2022 Bond Program		Grades:		4% per year		enrollment: 1937			
High School		Year Built: 2002		3 years		teaching stations: n/a			
6319 County Line Road, Ira		Building Size: 467,110		to midpoint		capacity:			
Building Project Work List		Site Size:		1.125		Date: 2/17/22			
Category	Subcategory				Direct	Direct	Total		
	Description	Qty	Unit	Unit Cost	Cost	w/ Escalation	w/ Indirect Costs	Notes	Priority Category
13	Structure Repair (Adjust/Underdrain/Collar)	20	each	2,500.00	50,000	56,243	56,243		1 1.1
14	Stormwater Management Allowance	1	ls	1,400,000	1,400,000	1,574,810	1,574,810		1 1.1
					Site Paving Subtotal:	4,341,413	4,623,037		
Site Improvements									
	Correct site drainage at Main Entrance	1	allo	50,000.00	50,000	56,243	73,158		1 1.1
	Add paving/drainage at interior courtyards	1	allo	50,000.00	50,000	56,243	73,158		1 1.1
	Renovat Hobarth Barn	3,000	sqft	45.00	135,000	151,857	197,525	add heat, power	2 1.2
					Site Improvement Subtotal:	264,343	343,841		
					SITE WORK SUBTOTAL:	4,605,756	4,966,877		
INSTRUCTIONAL TECHNOLOGY									
Computers and Mobile Devices									
	n/a				0	0	0		
Audiovisual									
	n/a				0	0	0		
					INSTRUCTIONAL TECHNOLOGY SUBTOTAL:	0	0		
FURNITURE, FURNISHINGS AND EQUIPMENT									
Non-Instructional Equipment									
	n/a				0	0	0		
					Non-Instructional Equipment Subtotal:	0	0		
Furniture, Furnishings & Equipment (FFE)									
	purchase custodial equipment	1	allo	40,000.00	40,000	44,995	58,526		1 1.1
					F, F, & E Subtotal:	44,995	58,526		
					F, F, & E SUBTOTAL:	44,995	58,526		
					PROJECT TOTAL:	24,548,807	30,907,527		
					Construction Contingency:	2,114,384			
					Permits / General Conditions:	814,038			
					Design Consultants:	1,624,878			
					C.M. Costs:	1,805,420			
					BUILDING TOTAL:	30,907,527			
Notes:									
Indirect Costs include; contingency, general conditions & professional fees									

Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY					site visit: Jan 2022			
2022 Bond Program		Grades:		4% per year			enrollment: n/a			
Aquatic Center		Year Built: 1998		3 years			teaching stations: n/a			
52401 Ashley, New Baltimore		Building Size: 23,864		to midpoint			capacity:			
Building Project Work List		Site Size:		1.125			Date: 2/17/22			
Category					Direct		Total			
Subcategory					w/		w/ Indirect			
Description		Qty	Unit	Unit Cost	Cost	Escalation	Costs	Notes	Priority	Category
NEW CONSTRUCTION										
n/a					0	0	0			
		0	sqft	SUBTOTAL:		0	0			
REMODELING WORK										
Exterior Work										
Roofing										
1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	0	sqft	0.00	0	0	0		1	1.1
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	0	sqft	0.00	0	0	0		2	1.2
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	15,000	sqft	17.00	255,000	286,840	373,104	Roof Type: EPDM	3	1.3
Envelope										
n/a					0	0	0			
					Exterior Work Subtotal:		286,840	373,104		
Interior Work										
	Install new lockers in pool locker areas	1	allo	25,000.00	25,000	28,122	36,579		2	1.2
	Install epoxy flooring in bleacher area and time eq. room	1	allo	20,000.00	20,000	22,497	29,263		2	1.2
	replace spectator bleachers	1	allo	50,000.00	50,000	56,243	73,158		2	1.2
	refinish wood benches at pool deck	1	allo	4,000.00	4,000	4,499	5,853		2	1.2
	install additional acoustical panels in Pool area	1	allo	25,000.00	25,000	28,122	36,579		2	1.2
	Install new digital scoreboard	1	allo	200,000.00	200,000	224,973	292,630		2	1.2
	new timing equipment for pool	1	allo	50,000.00	50,000	56,243	73,158		1	1.1
	work on pool deck	1	allo	90,000.00	90,000	101,238	131,684	per BRPD	1	1.1
	replace filter system	1	allo	225,000.00	225,000	253,094	329,209	per BRPD	1	1.1
	update pool control/filter system	1	allo	125,000.00	125,000	140,608	182,894	per BRPD	1	1.1
	replace chlorine tank	1	allo	50,000.00	50,000	56,243	73,158	per BRPD	1	1.1
					Interior Work Subtotal:		971,882	1,264,163		
Mechanical Systems										
Fire Suppression System										
n/a					0	0	0			
Plumbing Work										
	Provide point of use thermostat mixing valves at lavs & sinks	7	each	1,000.00	7,000	7,874	10,242		2	1.2
	Replace original domestic water heater with high eff. Water heater (Ravpak)	1	each	15,000.00	15,000	16,873	21,947		2	1.2
	Replace domestic water boiler and tank	1	each	13,500.00	13,500	15,186	19,753		2	1.2
HVAC System										
	Replace heating hot water pumps	2	each	15,000.00	30,000	33,746	43,895		2	1.2
	Replace all original roof EFs with new	3	each	2,500.00	7,500	8,436	10,974		2	1.2
Integrated Automation										
	temperature controls	1	allo	20,000.00	20,000	22,497	29,263	wet heat only	2	5.2
					Mechanical Systems Subtotal:		104,612	136,073		
Electrical Systems										
Power										
n/a					0	0	0			
Lighting										
	LED lighting and controls upgrade (pool lighting was upgraded in 2018 bond)	11,932	sqft	8.75	104,400	117,436	152,753		2	5.3

Anchor Bay School District				PRELIMINARY - FOR DISCUSSION PURPOSE ONLY				site visit: Jan 2022			
2022 Bond Program				Grades:		4% per year		enrollment:		n/a	
Aquatic Center				Year Built: 1998		3 years		teaching stations:		n/a	
52401 Ashley, New Baltimore				Building Size: 23,864		to midpoint		capacity:			
Building Project Work List				Site Size:		1.125		Date: 2/17/22			
Category											
Subcategory						Direct		Total			
Description				Qty	Unit	Unit Cost	Direct Cost	w/ Escalation	w/ Indirect Costs	Notes	Priority Category
LED wall pack upgrade on exterior of building (parking log was converted in 2018 bond)				4	each	1,000.00	4,000	4,499	5,853		2 5.3
Provide new egress lighting at exterior doors				4	each	1,000.00	4,000	4,499	5,853		2 5.3
Communication Systems											
see technology infrastructure							0	0	0		
Electronic Safety & Security											
Provide new Voice fire alarm system				23,864		3.00	71,600	80,540	104,762		2 4.1
Electrical Systems Subtotal:								206,975	269,220		
Construction Subtotal:								1,570,310	2,042,559		
Technology Infrastructure											
network switches - edge				1	each	3,800.00	3,800	4,274	5,560	add 1 per TF for growth	2 1.2
replace rack UPS's				1	each	2,250.00	2,300	2,587	3,365		2 1.2
wireless infrastructure				0	each	1,150.00	0	0	0	installing 2022	
phone system				1	lpsm	10,000.00	10,000	11,249	14,632		2 1.2
Technology Infrastructure Subtotal:								18,110	23,557		
Technology Safety & Security											
security cameras				1	allo	15,000.00	15,000	16,873	21,947		1 4.2
replace entrance intercoms				1	each	3,500.00	3,500	3,937	5,121		1 4.3
access control				2	each	3,200.00	6,400	7,199	9,364		1 4.3
access control panels				1	allo	25,000.00	25,000	28,122	36,579		1 4.3
emergency alert system				1	allo	20,000.00	20,000	22,497	29,263		1 4.4
replace PA system				1	allo	15,000.00	15,000	16,873	21,947	tie into sound for emergencies	1 4.5
Technology Safety & Security Subtotal:								95,501	124,222		
Technology & Safety Infrastructure Subtotal:								113,611	147,778		
REMODELING SUBTOTAL:								1,683,921	2,190,338		
SITE WORK											
Site Paving											
1	Parking Lot/Service Area - Remove & Replace (Salvage Aggregate Base)			17,000	sq ft	5.00	85,000	95,613	124,368		2 1.2
2	Front Loop - Mill/Overlay w/ Isolated Full-Depth Repairs			5,000	sq ft	2.50	12,500	14,061	18,289		2 1.2
3	Isolated Concrete Sidewalk Repairs			800	sq ft	8.00	6,400	7,199	7,199		1 1.1
4	Isolated Concrete Curb and/or Gutter Repairs			100	lnft	50.00	5,000	5,624	5,624		1 1.1
5	Structure Repair (Adjust/Underdrain/Collar)			4	each	2,500.00	10,000	11,249	14,632		1 1.1
6	Stormwater Management Allowance			1	ls	85,000.00	85,000	95,613	95,613		2 1.2
Site Paving Subtotal:								229,360	265,726		
Site Improvements											
n/a							0	0	0		
Site Improvement Subtotal:								0	0		
SITE WORK SUBTOTAL:								229,360	265,726		
INSTRUCTIONAL TECHNOLOGY											
Computers and Mobile Devices											
n/a							0	0	0		
Audiovisual											
n/a							0	0	0		

Anchor Bay School District					PRELIMINARY - FOR DISCUSSION PURPOSE ONLY			site visit: Jan 2022			
2022 Bond Program					Grades:		4% per year		enrollment: n/a		
Aquatic Center					Year Built: 1998		3 years		teaching stations: n/a		
52401 Ashley, New Baltimore					Building Size: 23,864		to midpoint		capacity:		
Building Project Work List					Site Size:		1.125		Date: 2/17/22		
Category						Direct		Total			
Subcategory						w/		w/ Indirect			
Description				Qty	Unit	Unit Cost	Cost	Escalation	Costs	Notes	Priority Category
INSTRUCTIONAL TECHNOLOGY SUBTOTAL:								0	0		
FURNITURE, FURNISHINGS AND EQUIPMENT											
Non-Instructional Equipment											
n/a						0	0	0			
Non-Instructional Equipment Subtotal:								0	0		
Furniture, Furnishings & Equipment (FFE)											
n/a						0	0	0			
F, F, & E Subtotal:								0	0		
F, F, & E SUBTOTAL:								0	0		
PROJECT TOTAL:								1,913,281	2,456,063		
Construction Contingency:								180,484			
Permits / General Conditions:								69,487			
Design Consultants:								138,700			
C.M. Costs:								154,111			
BUILDING TOTAL:								2,456,063			
Notes: Indirect Costs include; contingency, general conditions & professional fees											

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY	site visit: Jan 2022
2022 Bond Program	Grades: 4% per year	enrollment: n/a
Sugarbush Elementary	Year Built: 1975	teaching stations: n/a
48400 Sugarbush Road, Chesterfield	Building Size: 59,776	capacity:
Building Project Work List	Site Size: 1.125	Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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NEW CONSTRUCTION											
n/a						0	0	0			
			0	sqft		SUBTOTAL:		0	0		

REMODELING WORK

Exterior Work

Roofing

1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	0	sqft	17.00	0	0	0	Roof Type: EPDM	1	1.1
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	10,000	sqft	17.00	170,000	191,227	248,736	Roof Type: EPDM Ballast	2	1.2
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	45,000	sqft	10.00	450,000	506,189	658,418	Roof Type: TP	3	1.3

Building Envelope

	Replace stone agg panels at Gym fascia with metal siding	3,200	sqft	50.00	160,000	179,978	234,104		3	1.3
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Exterior Work Subtotal: 877,394 1,141,258

Interior Work

	Abate asbestos	59,776	sqft	0.25	14,900	16,760	21,801		1	1.1
	Replace all old (non CR entry) interior doors	1	allo	150,000.00	150,000	168,730	219,473	District Standard	2	1.2
	Add cross-corridor security doors	1	allo	10,000.00	10,000	11,249	14,632	for separation from Twp area/use	1	4.1
	Classroom flooring	1	allo	194,400.00	194,400	218,674	284,437		2	1.2
	Corridor Flooring	1	allo	45,000.00	45,000	50,619	65,842		2	1.2
	Add security hardware at all student occupied spaces	1	allo	18,000.00	18,000	20,248	26,337	District Standard	1	4.1
	Add privacy/security film at Office area	1	allo	5,000.00	5,000	5,624	7,316	District Standard	1	4.1

Interior Work Subtotal: 491,903 639,836

Mechanical Systems

Fire Suppression System

n/a					0	0	0			
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Plumbing Work

	Replace outside hose bibbs	6	each	1,000.00	6,000	6,749	8,779		2	1.2
	Provide point of use thermostat mixing valves at lavs & sinks	50	each	1,000.00	50,000	56,243	73,158		2	1.2
	Replace drinking ftns with bottle filling stations	2	each	4,000.00	8,000	8,999	11,705		1	1.1

HVAC System

	Replace chilled water pumps (250 gpm @ 65')	2	each	15,000.00	30,000	33,746	43,895		1	1.1
	Replace boilers	2	each	100,000.00	200,000	224,973	292,630		1	1.1
	Replace heating hot water pumps	2	each	15,000.00	30,000	33,746	43,895		1	1.1
	Replace horizontal uni vents with vertical unit vents	20	each	20,000.00	400,000	449,946	585,261		1	1.1
	Replace Office area RTU (approx 10 tons)	1	each	50,000.00	50,000	56,243	73,158		1	1.1
	Replace RTU serving lobby (approx. 7.5 tons)	1	each	50,000.00	50,000	56,243	73,158		1	1.1
	Replace RTU serving cafeteria (approx 30 tons)	1	each	65,000.00	65,000	73,116	95,105		1	1.1
	Replace RTU serving the gym (approx 20 tons)	1	each	65,000.00	65,000	73,116	95,105		1	1.1
	Replace all original roof EFs with new	14	each	2,500.00	35,000	39,370	51,210		2	1.2

Integrated Automation

Anchor Bay School District	PRELIMINARY - FOR DISCUSSION PURPOSE ONLY	site visit: Jan 2022
2022 Bond Program	Grades: 4% per year	enrollment: n/a
Sugarbush Elementary	Year Built: 1975	teaching stations: n/a
48400 Sugarbush Road, Chesterfield	Building Size: 59,776	capacity:
Building Project Work List	Site Size: 1.125	Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		temperature controls	59,776	sqft	1.50	89,700	100,900	131,245	select equipment	2	5.2
						Mechanical Systems Subtotal:	1,213,391	1,578,301			

Electrical Systems

Power

Provide new generator for food service coolers/ boilers / IT	1	allo	75,000.00	75,000	84,365	109,736				3	4.1
Replace existing original panels / transformers (8) panels (4) transformers	1	allo	180,000.00	180,000	202,476	263,367				2	1.2

Lighting

LED lighting and controls upgrade for interior of school	59,776	sqft	8.75	523,000	588,304	765,228				2	5.3
LED wall pack upgrade on exterior of building (parking log was converted in 2018 bond)	5	each	1,000.00	5,000	5,624	7,316				2	5.3
Provide new egress lighting at exterior doors	15	each	1,000.00	15,000	16,873	21,947				2	5.3

Communication Systems

see technology infrastructure				0	0	0					
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Electronic Safety & Security

Add cross-corridor door monitoring system	1	allo	10,000.00	10,000	11,249	14,632			for separation from Two area/use	1	4.1
Provide new Voice fire alarm system	59,776	sqft	3.00	179,300	201,688	262,343				2	4.1

Electrical Systems Subtotal: 1,110,578 1,444,569

Construction Subtotal: 3,693,266 4,803,965

Technology Infrastructure

network switches - edge	8	each	3,800.00	30,400	34,196	44,480			add 1 per TF for growth	2	1.2
replace rack UPS's	2	each	2,250.00	4,500	5,062	6,584				2	1.2
wireless infrastructure	0	each	1,150.00	0	0	0			installing 2022		

Technology Infrastructure Subtotal: 39,258 51,064

Technology Safety & Security

security cameras	1	allo	15,000.00	15,000	16,873	21,947				1	4.2
access control	5	each	3,200.00	16,000	17,998	23,410				1	4.3
access control panels	1	allo	15,000.00	15,000	16,873	21,947				1	4.3
emergency alert system	1	allo	20,000.00	20,000	22,497	29,263				1	4.4
replace PA system	1	allo	45,000.00	45,000	50,619	65,842				1	4.5

Technology Safety & Security Subtotal: 124,860 162,410

Technology & Safety Infrastructure Subtotal: 164,118 213,474

REMODELING SUBTOTAL: 3,857,384 5,017,439

SITE WORK

Site Paving

1 Parking Lot & Side Drive - Reconstruct Asphalt Pavement	71,300	sq ft	6.50	463,500	521,374	678,171				2	1.2
2 Isolated Concrete Sidewalk Repairs	700	sq ft	8.00	5,600	6,299	8,194				1	1.1
3 Isolated Concrete curb and/or Gutter Repairs	100	lnft	50.00	5,000	5,624	5,624				1	1.1
4 Reconstruct Concrete Service Area's Pavement	600	sq ft	12.00	7,200	8,099	8,099				2	1.2
5 Structure Repair (Adjust/Underdrain/Collar)	7	each	2,500.00	17,500	19,685	25,605				1	1.1
6 Stormwater Management Allowance	1	ls	360,000.00	360,000	404,951	404,951				2	1.2

Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY					site visit: Jan 2022		
2022 Bond Program		Grades:		4% per year		enrollment: n/a			
Sugarbush Elementary		Year Built: 1975		3 years		teaching stations: n/a			
48400 Sugarbush Road, Chesterfield		Building Size: 59,776		to midpoint		capacity:			
Building Project Work List		Site Size:		1.125		Date: 2/17/22			
Category	Subcategory				Direct	Direct	Total		
Description		Qty	Unit	Unit Cost	Cost	w/ Escalation	w/ Indirect Costs	Notes	Priority Category
Site Paving Subtotal:					966,033	1,130,644			
Site Improvements									
n/a					0	0	0		
Site Improvement Subtotal:					0	0			
SITE WORK SUBTOTAL:					966,033	1,130,644			
INSTRUCTIONAL TECHNOLOGY									
Computers and Mobile Devices									
n/a					0	0	0		
Audiovisual									
n/a					0	0	0		
INSTRUCTIONAL TECHNOLOGY SUBTOTAL:					0	0			
FURNITURE, FURNISHINGS AND EQUIPMENT									
Non-Instructional Equipment									
n/a					0	0	0		
Non-Instructional Equipment Subtotal:					0	0			
Furniture, Furnishings & Equipment (FFE)									
purchase custodial equipment		1	allo	2,500.00	2,500	2,812	3,658	1	1.1
F,F,&E Subtotal:					2,812	3,658			
F, F, & E SUBTOTAL:					2,812	3,658			
PROJECT TOTAL:					4,826,229	6,151,740			
Construction Contingency:					440,755				
Permits / General Conditions:					169,691				
Design Consultants:					338,715				
C.M. Costs:					376,350				
BUILDING TOTAL:					6,151,740				
Notes:									
Indirect Costs include; contingency, general conditions & professional fees									

Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY					site visit: Jan 2022			
2022 Bond Program		Grades:		4% per year			enrollment: n/a			
Early childhood Center		Year Built: 2000		3 years			teaching stations: n/a			
52680 Washington Street, New Baltimore		Building Size: 11,382		to midpoint			capacity:			
Building Project Work List		Site Size:		1.125			Date: 2/17/22			
Category					Direct		Total			
Subcategory					w/		w/ Indirect			
Description		Qty	Unit	Unit Cost	Cost	Escalation	Costs	Notes	Priority	Category
NEW CONSTRUCTION										
n/a					0	0	0			
		0	sqft	SUBTOTAL:		0	0			
REMODELING WORK										
Exterior Work										
Roofing										
n/a					0	0	0			
Envelope										
Install new (larger) gutter/downspout system at roof perimeter		1	allo	15,000.00	15,000	16,873	21,947		1	1.1
Add water repellent coating to exterior masonry		11,382	sqft	1.25	14,200	15,973	20,777		1	1.1
Exterior Work Subtotal:						32,846	42,724			
Interior Work										
Install walk-off carpet at building entrances		1	allo	20,000.00	20,000	22,497	29,263		2	1.2
Install new carpet in office area		2,000	sqft	9.00	18,000	20,248	26,337		2	1.2
Install new toilet partitions in RR's		1	allo	40,000.00	40,000	44,995	58,526		2	1.2
Install ceramic tile floors in RR's		1	allo	70,000.00	70,000	78,740	102,421		2	1.2
Install new countertops at CR sink areas		24	each	1,000.00	24,000	26,997	35,116		2	1.2
Install new carpet in CR areas		24	each	7,200.00	172,800	194,376	252,833		2	1.2
Interior Work Subtotal:						387,853	504,495			
Mechanical Systems										
Fire Suppression System										
n/a					0	0	0			
Plumbing Work										
Replace drinking ftns with bottle filling stations		1	each	4,000.00	4,000	4,499	5,853		1	1.1
Replace faucets for sinks in CRs		1	allo	15,000.00	15,000	16,873	21,947		2	1.2
HVAC System										
Replace furnace		2	each	10,000.00	20,000	22,497	29,263		1	1.2
Integrated Automation										
temperature controls		11,382		2.50	28,500	32,059	41,700		1	5.2
Mechanical Systems Subtotal:						75,928	98,763			
Electrical Systems										
Power										
Provide service upgrade (600 amps)		1	allo	150,000.00	150,000	168,730	219,473		2	1.2
Lighting										
LED lighting and controls upgrade for interior of school		11,382	sqft	8.75	99,600	112,036	145,730		2	5.3
LED wall pack upgrade on exterior of building		4	each	1,000.00	4,000	4,499	5,853		2	5.3
Provide additional parking lot lighting (6 poles)		6	each	15,000.00	90,000	101,238	131,684		2	1.2
Provide new egress lighting at exterior doors		4	each	1,000.00	4,000	4,499	5,853		2	5.3
Communication Systems										
see technology infrastructure					0	0	0			
Electronic Safety & Security										
Provide new voice fire alarm system		11,382	sqft	3.00	34,100	38,358	49,893		1	4.1
Electrical Systems Subtotal:						429,361	558,485			
Construction Subtotal:						925,988	1,204,466			

Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY					site visit: Jan 2022					
2022 Bond Program		Grades:		4% per year			enrollment: n/a					
Early childhood Center		Year Built: 2000		3 years			teaching stations: n/a					
52680 Washington Street, New Baltimore		Building Size: 11,382		to midpoint			capacity:					
Building Project Work List		Site Size:		1.125			Date: 2/17/22					
Category				Direct		Total						
Subcategory				w/		w/ Indirect						
Description				Qty	Unit	Unit Cost	Cost	Escalation	Costs	Notes	Priority	Category
Technology Infrastructure												
demo coax/legacy cables				1	lpsm	7,500.00	7,500	8,436	10,974	add 1 per TF for growth installing 2022	2	1.2
network switches - edge				2	each	3,800.00	7,600	8,549	11,120		2	1.2
replace rack UPS's				1	each	2,250.00	2,300	2,587	3,365		2	1.2
wireless infrastructure				0	each	1,150.00	0	0	0		2	1.2
phone system				1	lpsm	20,000.00	20,000	22,497	29,263		1	1.1
replace clock system				1	allo	20,000.00	20,000	22,497	29,263			
Technology Infrastructure Subtotal:								64,567	83,985			
Technology Safety & Security												
security cameras				1	allo	15,000.00	15,000	16,873	21,947		1	4.2
replace entrance intercoms				1	each	3,500.00	3,500	3,937	5,121		1	4.3
access control				6	each	3,200.00	19,200	21,597	28,093		1	4.3
access control panels				1	allo	25,000.00	25,000	28,122	36,579		1	4.3
emergency alert system				1	allo	20,000.00	20,000	22,497	29,263		1	4.4
replace PA system				1	allo	100,000.00	100,000	112,486	146,315		1	4.5
Technology Safety & Security Subtotal:								205,513	267,318			
Technology & Safety Infrastructure Subtotal:								270,080	351,303			
REMODELING SUBTOTAL:								1,196,068	1,555,769			
SITE WORK												
Site Paving												
1 Isolated Concrete Sidewalk Repairs				200	sq ft	8.00	1,600	1,800	2,341		1	1.1
Site Paving Subtotal:								1,800	2,341			
Site Improvements												
Add fencing around playground area				1	allo	10,000.00	10,000	11,249	14,632		2	1.2
Correct drainage issue at front door				1	allo	15,000.00	15,000	16,873	21,947		1	1.1
Site Improvement Subtotal:								28,122	36,579			
SITE WORK SUBTOTAL:								29,921	38,920			
INSTRUCTIONAL TECHNOLOGY												
Computers and Mobile Devices												
n/a							0	0	0			
Audiovisual												
n/a												
INSTRUCTIONAL TECHNOLOGY SUBTOTAL:								0	0			
FURNITURE, FURNISHINGS AND EQUIPMENT												
Non-Instructional Equipment												
n/a							0	0	0			
Non-Instructional Equipment Subtotal:								0	0			
Furniture, Furnishings & Equipment (FFE)												
n/a							0	0	0			
F, F, & E Subtotal:								0	0			
F, F, & E SUBTOTAL:								0	0			
PROJECT TOTAL:								1,225,989	1,594,689			
Construction Contingency:								122,599				
Permits / General Conditions:								47,201				
Design Consultants:								94,216				
C.M. Costs:								104,684				
BUILDING TOTAL:								1,594,689				
Notes:												
Indirect Costs include; contingency, general conditions & professional fees												

Anchor Bay School District				PRELIMINARY - FOR DISCUSSION PURPOSE ONLY				site visit: Jan 2022			
2022 Bond Program				Grades:		4% per year		enrollment:		n/a	
MacDonald Early Childhood Center				Year Built:		1998		teaching stations:		n/a	
5201 County Line Road, Ira				Building Size:		53,835		capacity:			
Building Project Work List				Site Size:		1.125		Date:		2/17/22	
Category						Direct		Total			
Subcategory						w/		w/ Indirect			
Description		Qty	Unit	Unit Cost	Direct Cost	Escalation	Costs	Notes	Priority	Category	
NEW CONSTRUCTION											
n/a					0	0	0				
		0	sqft		SUBTOTAL:		0	0			
REMODELING WORK											
Exterior Work											
Roofing											
1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	6,000	sqft	20.00	120,000	134,984	175,578		1	1.1	
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	10,500	sqft	20.00	210,000	236,221	307,262		2	1.2	
3	Good Condition Areas (Remaining Service Life 5-10 Yrs)	60,000	sqft	10.00	600,000	674,918	877,891		3	1.3	
Envelope											
	Remodel EIFS fascia system?	1	allo	35,000.00	35,000	39,370	51,210		3	1.3	
	Replace exterior windows?	1	allo	450,000.00	450,000	506,189	658,418		3	5.1	
	Replace exterior door frames	1	allo	24,000.00	24,000	26,997	35,116	Frames Only	1	1.1	
	Add parapet screen to prevent access to roof	1	allo	30,000.00	30,000	33,746	43,895		1	1.1	
Exterior Work Subtotal:						1,652,425	2,149,369				
Interior Work											
	Install ceramic tile floors in Shower Area	1	allo	70,000.00	70,000	78,740	102,421		2	1.2	
Interior Work Subtotal:						78,740	102,421				
Mechanical Systems											
Fire Suppression System											
	n/a				0	0	0				
Plumbing Work											
	Provide point of use thermostat mixing valves at lavs & sinks	20	each	1,000.00	20,000	22,497	29,263		2	1.2	
HVAC System											
	Provide tempering coils to provide 2 zones for Gvm/Café RTU	2	each	20,000.00	40,000	44,995	58,526		2	1.2	
	Replace 23 year old boilers with high eff. Boilers	3	each	100,000.00	300,000	337,459	438,945		1	1.1	
	Replace 23 year old boiler inline pumps	3	each	15,000.00	45,000	50,619	65,842		1	1.1	
	Replace 23 year old heating hot water pumps (180 gpm)	2	each	15,000.00	30,000	33,746	43,895		1	1.1	
	Replace 22 year old air cooled chiller (200 ton)	1	each	300,000.00	300,000	337,459	438,945		1	1.1	
	Replace 22 year old chilled water pumps	2	each	15,000.00	30,000	33,746	43,895		1	1.1	
	Replace 23 year old Gym/Caf indoor AHU (with HHW & CHW coils)	1	each	50,000.00	50,000	56,243	73,158		2	1.2	
	Replace 23 year old Media Ctr indoor AHU (with HHW & CHW coils)	1	each	50,000.00	50,000	56,243	73,158		2	1.2	
	Replace 23 year old office area indoor AHU (with HHW & CHW coils)	1	each	50,000.00	50,000	56,243	73,158		2	1.2	
	Provide individual control for Admin area with VAV diffusers	10	each	2,500.00	25,000	28,122	36,579		1	1.1	
	Replace 22 year old classroom vert unit ventilators	20	each	15,000.00	300,000	337,459	438,945		2	1.2	
	Replace all original roof EFs with new	15	each	2,500.00	37,500	42,182	54,868		2	1.2	
Integrated Automation											
	temperature controls	1	allo	20,000.00	20,000	22,497	29,263	Select areas only	1	5.2	

Anchor Bay School District

2022 Bond Program

MacDonald Early Childhood Center

5201 County Line Road, Ira

Building Project Work List

PRELIMINARY - FOR DISCUSSION PURPOSE ONLY

Grades:

Year Built: 1998

Building Size: 53,835

Site Size:

4% per year

3 years

to midpoint

1.125

site visit: Jan 2022

enrollment: n/a

teaching stations: n/a

capacity:

Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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Mechanical Systems Subtotal: 1,459,511 1,898,439

Electrical Systems

Power

Provide new generator for food service coolers/boilers/IT 1 each 75,000.00 75,000 84,365 109,736 2 4.1

Lighting

LED lighting and controls upgrade for interior of school (Gym and Cafeteria were already converted in 2018 bond) 53,835 sqft 8.75 471,100 529,923 689,291 2 5.3

LED wall pack upgrade on exterior of building (parking log was converted in 2018 bond) 6 each 1,000.00 6,000 6,749 8,779 2 5.3

Provide new egress lighting at exterior doors 8 each 1,000.00 8,000 8,999 11,705 2 5.3

Communication Systems

n/a 0 0 0

Electronic Safety & Security

Provide new Voice fire alarm system 53,835 sqft 3.00 161,500 181,666 236,299 2 4.1

Electrical Systems Subtotal: 811,702 1,055,810

Construction Subtotal: 4,002,379 5,206,039

Technology Infrastructure

replace fiber to IDFs 2 each 3,750.00 7,500 8,436 10,974 2 1.2

network switches - edge 9 each 3,800.00 34,200 38,470 50,040 2 1.2

replace rack UPS's 3 each 2,250.00 6,800 7,649 9,949 2 1.2

wireless infrastructure 0 each 1,150.00 0 0 0 2 1.2

phone system 1 lpsm 35,000.00 35,000 39,370 51,210 2 1.2

Technology Infrastructure Subtotal: 93,926 122,173

Technology Safety & Security

security cameras 1 allo 30,000.00 30,000 33,746 43,895 1 4.2

replace entrance intercoms 1 each 3,500.00 3,500 3,937 5,121 1 4.3

access control 5 each 3,200.00 16,000 17,998 23,410 1 4.3

access control panels 1 allo 25,000.00 25,000 28,122 36,579 1 4.3

emergency alert system 1 allo 15,000.00 15,000 16,873 21,947 1 4.4

replace PA system 1 allo 35,000.00 35,000 39,370 51,210 1 4.5

Technology Safety & Security Subtotal: 140,046 182,162

Technology & Safety Infrastructure Subtotal: 233,972 304,335

REMODELING SUBTOTAL: 4,236,350 5,510,374

SITE WORK

Site Paving

1 East & Southeast Parking Lot/Drive - Reconstruct Asphalt Pavement 34,000 sq ft 6.50 221,000 248,595 323,356 3 1.3

2 Northeast Playground Pavement - Reconstruct Asphalt Pavement 11,000 sq ft 6.50 71,500 80,428 104,615 3 1.3

3 North Drive - Remove & Replace (Salvage Aggregate Base) 4,000 sq ft 5.00 20,000 22,497 29,263 3 1.3

4 Isolated Concrete Sidewalk Repairs 7,900 sq ft 8.00 63,200 71,091 71,091 3 1.3

5 Isolated Concrete Curb and/or Gutter Repairs 500 lnft 50.00 25,000 28,122 28,122 3 1.3

6 Reconstruct Concrete Service Area's Pavement 2,000 sq ft 12.00 24,000 26,997 26,997 3 1.3

Anchor Bay School District		PRELIMINARY - FOR DISCUSSION PURPOSE ONLY					site visit: Jan 2022		
2022 Bond Program		Grades:		4% per year		enrollment: n/a			
MacDonald Early Childhood Center		Year Built: 1998		3 years		teaching stations: n/a			
5201 County Line Road, Ira		Building Size: 53,835		to midpoint		capacity:			
Building Project Work List		Site Size:		1.125		Date: 2/17/22			
Category	Subcategory				Direct	Total			
	Description	Qty	Unit	Unit Cost	Cost	w/ Escalation	w/ Indirect Costs	Notes	Priority Category
7	Structure Repair (Adjust/Underdrain/Collar)	7	each	2,500.00	17,500	19,685	19,685		1 1.1
8	Stormwater Management Allowance	1	ls	300,000.00	300,000	337,459	337,459		3 1.3
Site Paving Subtotal:						834,874	940,589		
Site Improvements									
n/a						0	0	0	
Site Improvement Subtotal:						0	0		
SITE WORK SUBTOTAL:						834,874	940,589		
INSTRUCTIONAL TECHNOLOGY									
Computers and Mobile Devices									
n/a						0	0	0	
Audiovisual									
n/a									
INSTRUCTIONAL TECHNOLOGY SUBTOTAL:						0	0		
FURNITURE, FURNISHINGS AND EQUIPMENT									
Non-Instructional Equipment									
n/a						0	0	0	
Non-Instructional Equipment Subtotal:						0	0		
Furniture, Furnishings & Equipment (FFE)									
n/a						0	0	0	
F, F, & E Subtotal:						0	0		
F, F, & E SUBTOTAL:						0	0		
PROJECT TOTAL:						5,071,224	6,450,963		
Construction Contingency:						458,787			
Permits / General Conditions:						176,633			
Design Consultants:						352,572			
C.M. Costs:						391,747			
BUILDING TOTAL:						6,450,963			
Notes:									
Indirect Costs include; contingency, general conditions & professional fees									

Anchor Bay School District				PRELIMINARY - FOR DISCUSSION PURPOSE ONLY				site visit: Jan 2022			
2022 Bond Program				Grades:		4% per year		enrollment:		n/a	
Transportation Building				Year Built: 2002		3 years		teaching stations:		n/a	
51890 Washington Street, New Baltimore				Building Size: 9,213		to midpoint		capacity:			
Building Project Work List				Site Size:		1.125		Date: 2/17/22			
Category						Direct		Total			
Subcategory						w/		w/ Indirect			
Description		Qty	Unit	Unit Cost	Direct Cost	Escalation	Costs	Notes	Priority	Category	
NEW CONSTRUCTION											
n/a					0	0	0				
		0	sqft		SUBTOTAL:		0	0			
REMODELING WORK											
Exterior Work											
Roofing											
1	Poor Condition Areas (Remaining Service Life 1-3 Yrs)	0	sqft	0.00	0	0	0		1	1.1	
2	Fair Condition Areas (Remaining Service Life 4-7 Yrs)	0	sqft	0.00	0	0	0		2	1.2	
3	Good Condition Areas (Remaining Service Life 5-10 Yrs) (Transportation Building)	8,500	sqft	12.00	102,000	114,736	149,241	Roof Type: Metal Restoration	3	1.3	
	Good Condition Areas (Remaining Service Life 5-10 Yrs) (Maintenance Building)	6,000	sqft	10.00	60,000	67,492	67,492	Roof Type: Shingles	3	1.3	
Envelope											
	replace metal siding at exterior of pole barn storage building	1	allo	63,000.00	63,000	70,866	92,179	rusting at base of building	2	1.2	
	replace clerestory glass with sun-shade glazing at Bus Garage	1	allo	13,500.00	13,500	15,186	19,753		1	5.1	
	solve roof issue at wall between high-bay area and office section of Bus Garage	1	allo	25,000.00	25,000	28,122	36,579		1	1.1	
Exterior Work Subtotal:						296,402	365,243				
Interior Work											
	Remove old hydraulic lifts in Bus Garage	1	allo	25,000.00	25,000	28,122	36,579		2	1.2	
	Replace wash bay area bush wash system at Bus Garage	1	allo	200,000.00	200,000	224,973	292,630		1	1.1	
	Install new carpet in office area of Bus Garage	1	allo	9,000.00	9,000	10,124	13,168		2	1.2	
Interior Work Subtotal:						263,218	342,377				
Mechanical Systems											
Fire Suppression System											
n/a					0	0	0				
Plumbing Work											
	Repair or replace bus wash system	1	allo	250,000.00	250,000	281,216	365,788		1	1.1	
	replace wash fountain with regular hand sink	1	each	5,000.00	5,000	5,624	7,316		1	1.1	
	add parts washing sink	1	each	5,000.00	5,000	5,624	7,316	tie to grease/oil interceptor	2	1.2	
HVAC System											
	Replace 18 year old boilers with new high eff. Boilers	2	each	40,000.00	80,000	89,989	117,052		2	1.2	
	Replace 18 year old air to air heat exchanger (Heatex)	1	each	25,000.00	25,000	28,122	36,579		2	1.2	
	Replace 18 year old inline heating hot water pumps	2	each	10,000.00	20,000	22,497	29,263		2	1.2	
	Replace 18 year old indoor AHU with HW and DX coils & assoc. cond unit. (Trane)	1	each	40,000.00	40,000	44,995	58,526		2	1.2	
	Add ceiling fan to maintenance bays	6	each	2,500.00	15,000	16,873	21,947		2	1.2	
	modify/supplement exhaust system to provide general ventilation	1	allo	25,000.00	25,000	28,122	36,579		1	1.1	
Integrated Automation											

Anchor Bay School District

2022 Bond Program

Transportation Building

51890 Washington Street, New Baltimore

Building Project Work List

PRELIMINARY - FOR DISCUSSION PURPOSE ONLY

Grades:

4% per year

Year Built: 2002

3 years

Building Size: 9,213

to midpoint

Site Size:

1.125

site visit: Jan 2022

enrollment: n/a

teaching stations: n/a

capacity:

Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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temperature controls	1	allo	10,000.00	10,000	11,249	14,632	select equipment	2	5.2
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Mechanical Systems Subtotal: 534,310 694,997

Electrical Systems

Power

n/a				0	0	0
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Lighting

LED lighting and controls upgrade for interior of transportation, warehouse #1 and warehouse #2	9,213	sqft	8.75	80,600	90,664	117,930		2	5.3
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LED wall pack upgrade on exterior of building for transportation, warehouse #1 and warehouse #2	12	each	1,000.00	12,000	13,498	17,558		2	5.3
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replace DTE poles/lgt with new parking area lighting	1	allo	10,000.00	10,000	11,249	14,632		2	5.3
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Communication Systems

see technology infrastructure				0	0	0
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Electronic Safety & Security

Provide new Voice fire alarm system	9,213		3.00	27,600	31,046	40,383		2	4.1
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Electrical Systems Subtotal: 146,457 190,502

Construction Subtotal: 1,240,388 1,593,120

Technology Infrastructure

network switches - edge	1	each	3,800.00	3,800	4,274	5,560	add 1 per TF for growth	2	1.2
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replace rack UPS's	1	each	2,250.00	2,300	2,587	3,365		2	1.2
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wireless infrastructure	0	each	1,150.00	0	0	0	installing 2022		
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phone system	1	lpsm	15,000.00	15,000	16,873	21,947		2	1.2
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Technology Infrastructure Subtotal: 23,735 30,872

Technology Safety & Security

security cameras	1	allo	10,000.00	10,000	11,249	14,632		1	4.2
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replace entrance intercoms	1	each	3,500.00	3,500	3,937	5,121		1	4.3
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access control	2	each	3,200.00	6,400	7,199	9,364		1	4.3
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access control panels	1	allo	25,000.00	25,000	28,122	36,579		1	4.3
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emergency alert system	1	allo	5,000.00	5,000	5,624	7,316		1	4.4
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replace PA system	1	allo	15,000.00	15,000	16,873	21,947		1	4.5
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Technology Safety & Security Subtotal: 73,004 94,959

Technology & Safety Infrastructure Subtotal: 96,738 125,831

REMODELING SUBTOTAL: 1,337,126 1,718,951

SITE WORK

Site Paving

1 Parking Lot/Entrance - Reconstruct Asphalt Pavement	88,500	sq ft	6.50	575,300	647,134	841,751		2	1.2
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2 Isolated Concrete Sidewalk Repairs	1,200	sq ft	8.00	9,600	10,799	14,046		1	1.1
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3 Isolated Concrete Curb and/or Gutter Repairs	100	lnft	50.00	5,000	5,624	5,624		2	1.2
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4 Structure Repair (Adjust/Underdrain/Collar)	7	each	2,500.00	17,500	19,685	25,605		1	1.1
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5 Stormwater Management Allowance	1	ls	450,000.00	450,000	506,189	506,189		2	1.2
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Site Paving Subtotal: 1,189,431 1,393,216

Site Improvements

Add trench drain system at exterior of overhead doors	1	allo	60,000.00	60,000	67,492	87,789	at Bus Garage	1	1.1
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Anchor Bay School District

2022 Bond Program

Transportation Building

51890 Washington Street, New Baltimore

Building Project Work List

PRELIMINARY - FOR DISCUSSION PURPOSE ONLY

Grades:

4% per year

Year Built: 2002

3 years

Building Size: 9,213

to midpoint

Site Size:

1.125

site visit: Jan 2022

enrollment: n/a

teaching stations: n/a

capacity:

Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
		Install new fencing around entire complex	1	allo	75,000.00	75,000	84,365	109,736		2	1.2
		Provide privacy fencing along W. side of complex	1	allo	30,000.00	30,000	33,746	43,895		1	1.1
		Remove underground diesel fuel tank	1	allo	50,000.00	50,000	56,243	73,158		1	1.1
		Install new above ground fuel tank/system	1	allo	200,000.00	200,000	224,973	292,630		1	1.1
		Install French drain around perimeter of Storage Bldg	1	allo	25,000.00	25,000	28,122	36,579		1	1.1
Site Improvement Subtotal:							494,940	643,787			
SITE WORK SUBTOTAL:							1,684,371	2,037,002			

INSTRUCTIONAL TECHNOLOGY

Computers and Mobile Devices

n/a

Audiovisual

n/a

0

0

0

INSTRUCTIONAL TECHNOLOGY SUBTOTAL:

0

0

FURNITURE, FURNISHINGS AND EQUIPMENT

Non-Instructional Equipment

n/a

0

0

0

Non-Instructional Equipment Subtotal:

0

0

Furniture, Furnishings & Equipment (FFE)

n/a

0

0

0

F, F, & E Subtotal:

0

0

F, F, & E SUBTOTAL:

0

0

BUSES

purchase buses - series 1

11

each

100,000.00

1,100,000

1,237,350

1,237,350

4 per year

1

4.1

purchase buses - series 2

10

each

100,000.00

1,000,000

1,124,864

1,124,864

4 per year

2

4.1

BUSES SUBTOTAL:

2,362,214

2,362,214

PROJECT TOTAL:

5,383,712

6,118,167

Construction Contingency:

244,219

Permits / General Conditions:

94,024

Design Consultants:

187,679

C.M. Costs:

208,533

BUILDING TOTAL:

6,118,167

Notes:

Indirect Costs include; contingency, general conditions & professional fees

Anchor Bay School District				PRELIMINARY - FOR DISCUSSION PURPOSE ONLY				site visit: Jan 2022			
2022 Bond Program				Grades: preschool (leased)		4% per year		enrollment: n/a			
Bloom Academy				Year Built: unknown		3 years		teaching stations: n/a			
6572 Church Road, Ira				Building Size: 3,958		to midpoint		capacity: n/a			
Building Project Work List				Site Size:		1.125		Date: 2/17/22			
Category						Direct		Total			
Subcategory						w/		w/ Indirect			
Description				Qty	Unit	Unit Cost	Cost	Escalation	Costs	Notes	Priority Category
NEW CONSTRUCTION											
n/a						0		0		0	
				0	sqft	SUBTOTAL:		0		0	
REMODELING WORK											
Exterior Work											
Roofing											
n/a						0		0		0	
Envelope											
n/a						0		0		0	
						Exterior Work Subtotal:		0		0	
Interior Work											
n/a						0		0		0	
						Interior Work Subtotal:		0		0	
Mechanical Systems											
Fire Suppression System											
n/a						0		0		0	
Plumbing Work											
n/a						0		0		0	
HVAC System											
replace furnace and condensers				2	each	20,000.00	40,000	44,995	58,526	incl. piping	2 1.2
Integrated Automation											
n/a						0		0		0	
						Mechanical Systems Subtotal:		44,995		58,526	
Electrical Systems											
Power											
n/a				0	each	0.00	0	0	0		
Lighting											
n/a						0		0		0	
Communication Systems											
see technology infrastructure						0		0		0	
Electronic Safety & Security											
n/a						0		0		0	
						Electrical Systems Subtotal:		0		0	
						Construction Subtotal:		44,995		58,526	
Technology Infrastructure											
						Technology Infrastructure Subtotal:		0		0	
Technology Safety & Security											
						Technology Safety & Security Subtotal:		0		0	
						Technology & Safety Infrastructure Subtotal:		0		0	
						REMODELING SUBTOTAL:		44,995		58,526	
SITE WORK											
Site Paving											
1	Parking Lot - Remove & Replace (Salvage Aggregate Base)			4,300	sq ft	5.00	21,500	24,185	31,458	2	1.2
2	Pave Existing Gravel Right of Way with Asphalt Pavement			2,000	sq ft	7.00	14,000	15,748	15,748	2	1.2
3	Reconstruct Concrete Service Area's Pavement			200	sq ft	12.00	2,400	2,700	3,512	2	1.2
4	Isolated Concrete Sidewalk Repair			150	sq ft	8.00	1,200	1,350	1,756	1	1.1

Anchor Bay School District
2022 Bond Program
Bloom Academy
6572 Church Road, Ira
Building Project Work List

PRELIMINARY - FOR DISCUSSION PURPOSE ONLY

Grades: preschool (leased)	4% per year	site visit: Jan 2022
Year Built: unknown	3 years	enrollment: n/a
Building Size: 3,958	to midpoint	teaching stations: n/a
Site Size:	1.125	capacity: n/a
		Date: 2/17/22

Category	Subcategory	Description	Qty	Unit	Unit Cost	Direct Cost	Direct w/ Escalation	Total w/ Indirect Costs	Notes	Priority	Category
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5	Stormwater Management Allowance	1	ls	50,000.00	50,000	56,243	56,243			2	1.2
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Site Paving Subtotal: 100,225 108,716

Site Improvements

n/a		0	0	0
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Site Improvement Subtotal: 0 0

SITE WORK SUBTOTAL: 100,225 108,716

INSTRUCTIONAL TECHNOLOGY

Computers and Mobile Devices

n/a		0	0	0
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Audiovisual

n/a		0	0	0
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INSTRUCTIONAL TECHNOLOGY SUBTOTAL: 0 0

FURNITURE, FURNISHINGS AND EQUIPMENT

Non-Instructional Equipment

n/a		0	0	0
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Non-Instructional Equipment Subtotal: 0 0

Furniture, Furnishings & Equipment (FFE)

n/a		0	0	0
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F,F,&E Subtotal: 0 0

F, F, & E SUBTOTAL: 0 0

PROJECT TOTAL: 145,220 167,242

Construction Contingency: 7,323

Permits / General Conditions: 2,819

Design Consultants: 5,628

C.M. Costs: 6,253

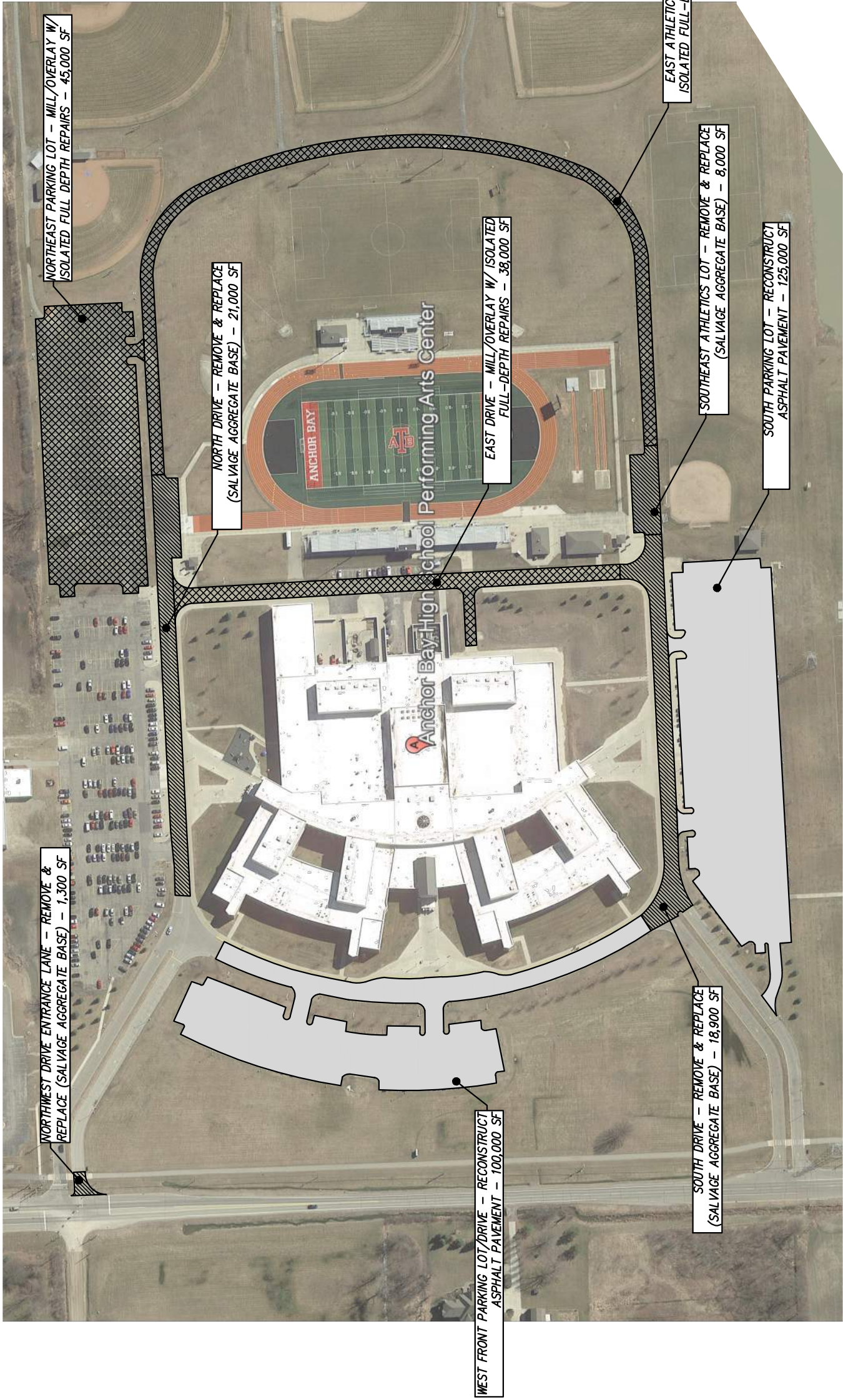
BUILDING TOTAL: 167,242

Notes:

Indirect Costs include; contingency, general conditions & professional fees

SECTION 3 | SITE WORK ASSESSMENT





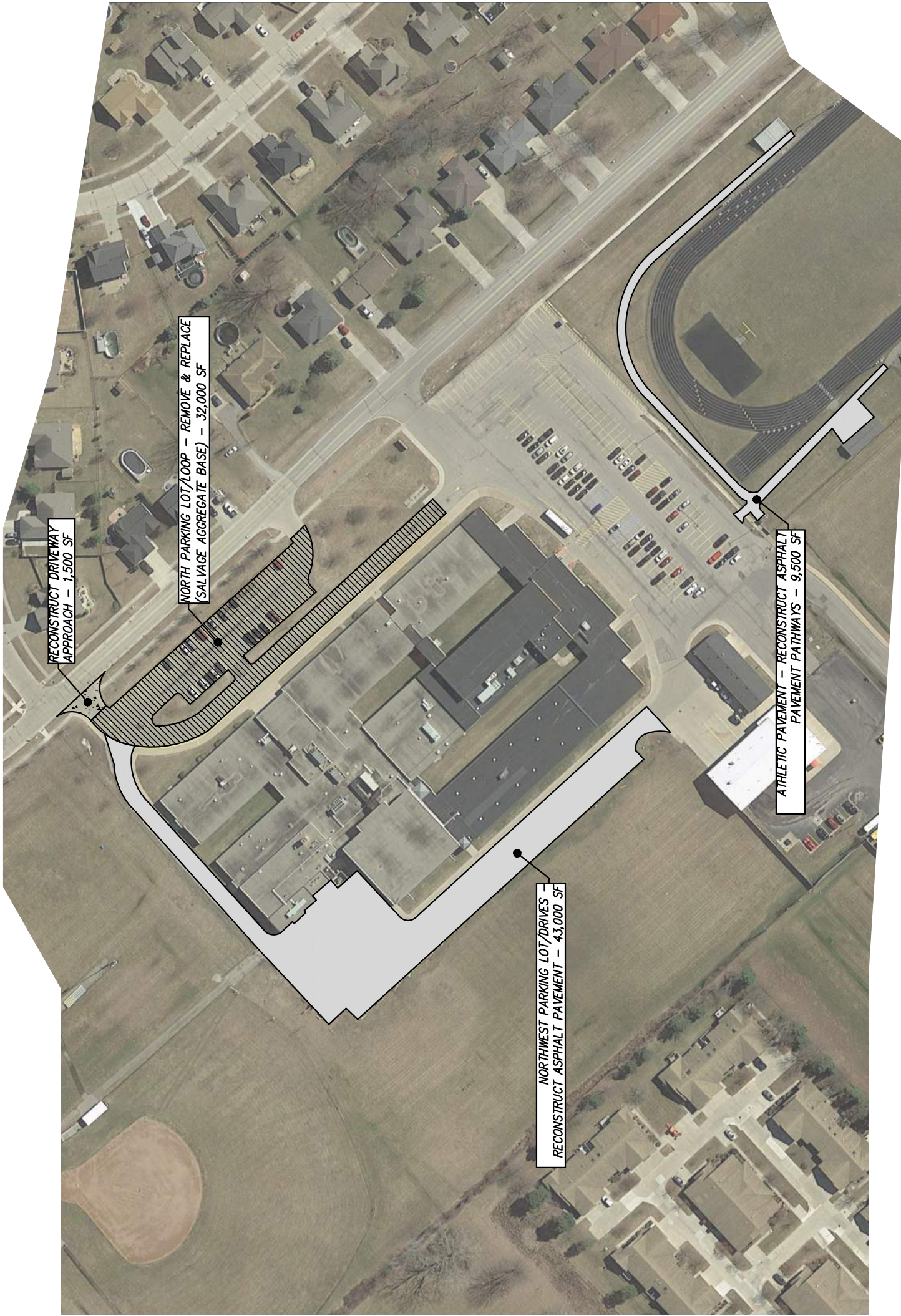
DRAWN BY: L. CHUEY		DATE: 02/17/2022	SPALDING DECKER Engineers Surveyors 905 South Blvd. East Rochester Hills, MI 48307 Phone: (248) 844-5400 Fax: (248) 844-5440 www.sda-eng.com	ANCHOR BAY SCHOOL DISTRICT 2022 BOND PLANNING		JOB No. PR22011	DRAWING No.
CHECKED BY: J. ENSLEY		DATE: 02/10/2022		ANCHOR BAY HIGH SCHOOL		SCALE: NONE	SHEET
PROJECT MANAGER: J. ENSLEY		BID PLAN DATE:		PROPOSED SITE PAVING REPAIRS			PAVING-1

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PROJECT MANAGER: J. ENSLEY	BID PLAN DATE:

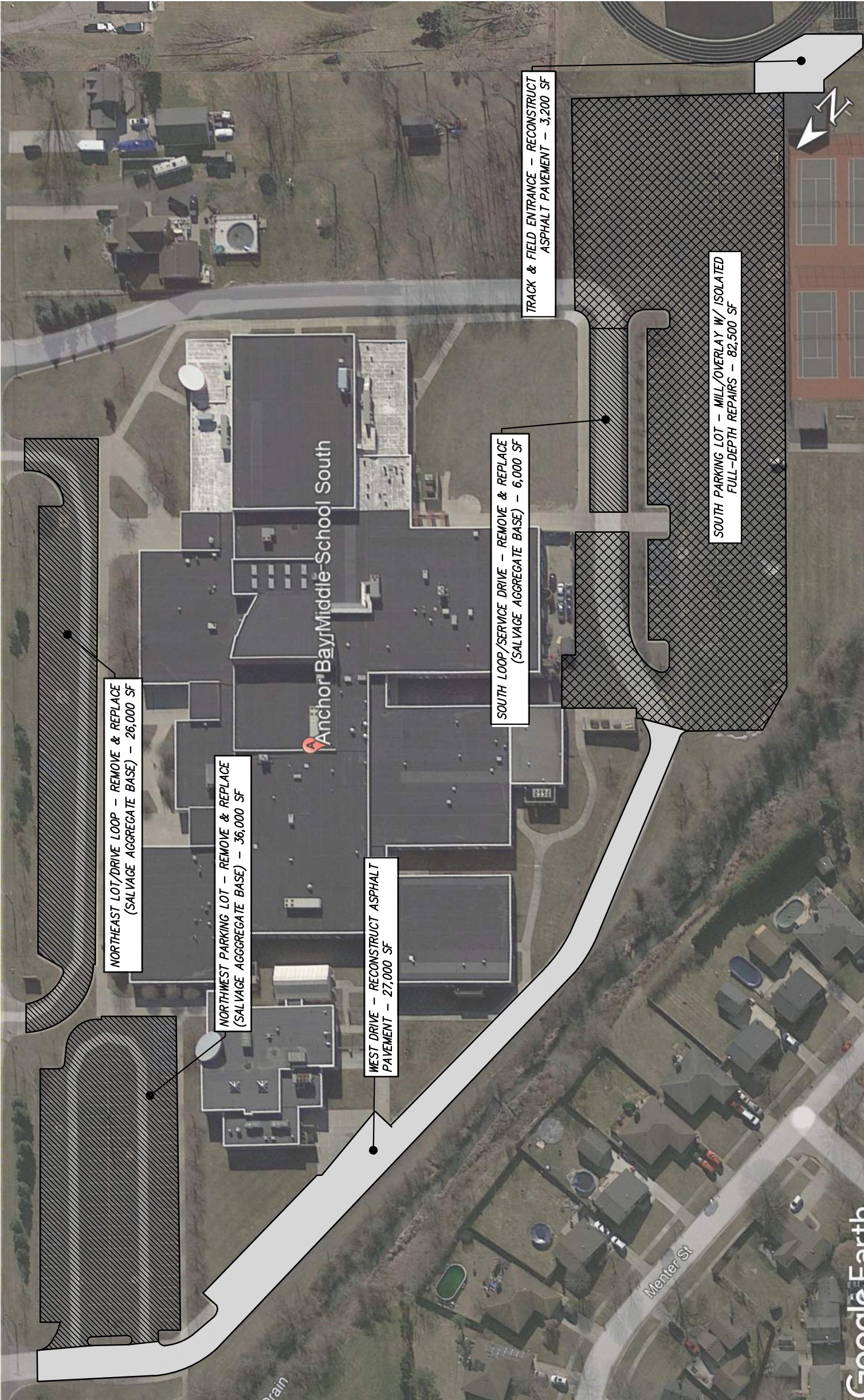
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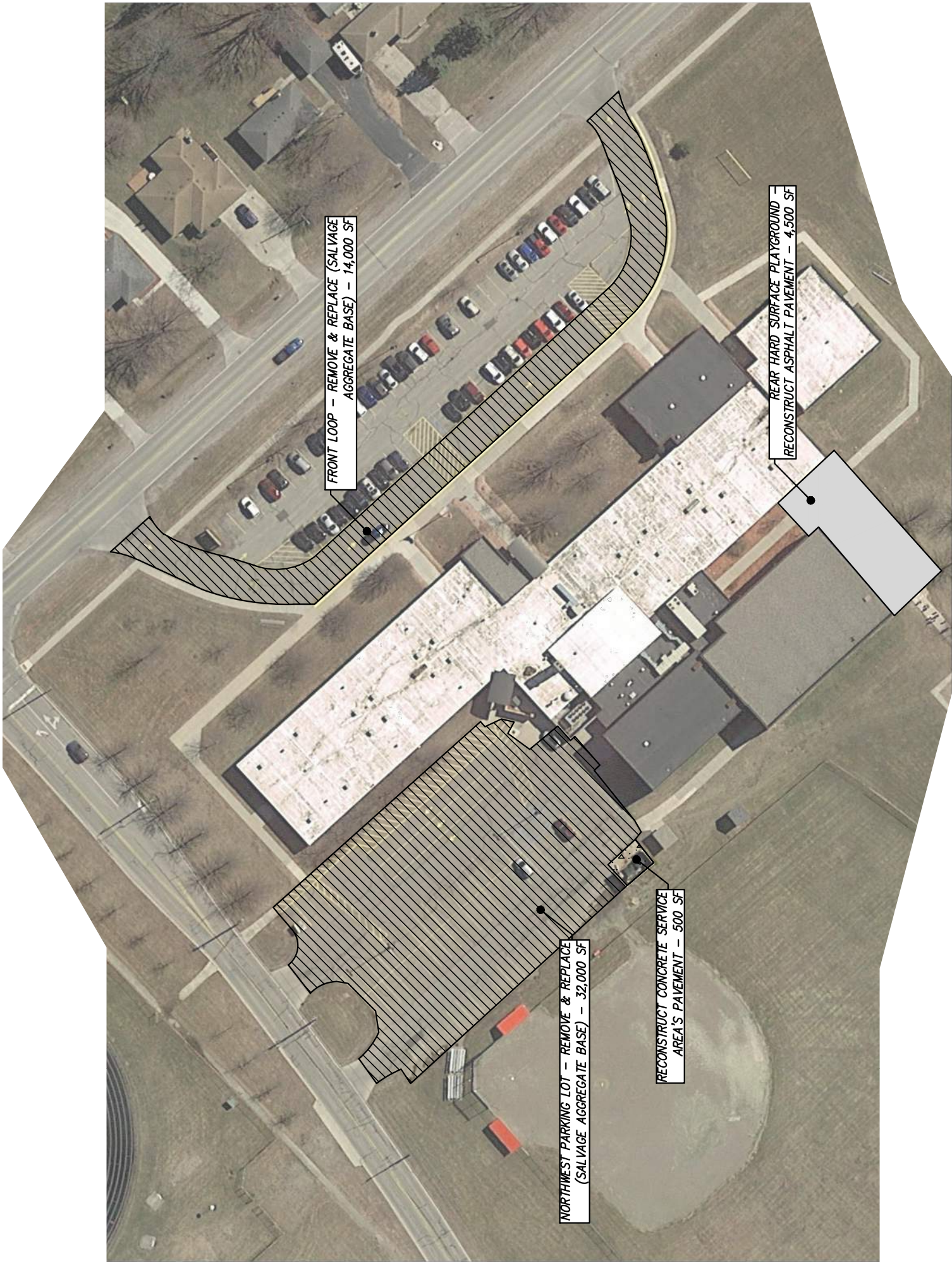
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ANCHOR BAY SCHOOL DISTRICT
2022 BOND PLANNING
ANCHOR BAY MIDDLE SCHOOL NORTH
PROPOSED SITE PAVING REPAIRS

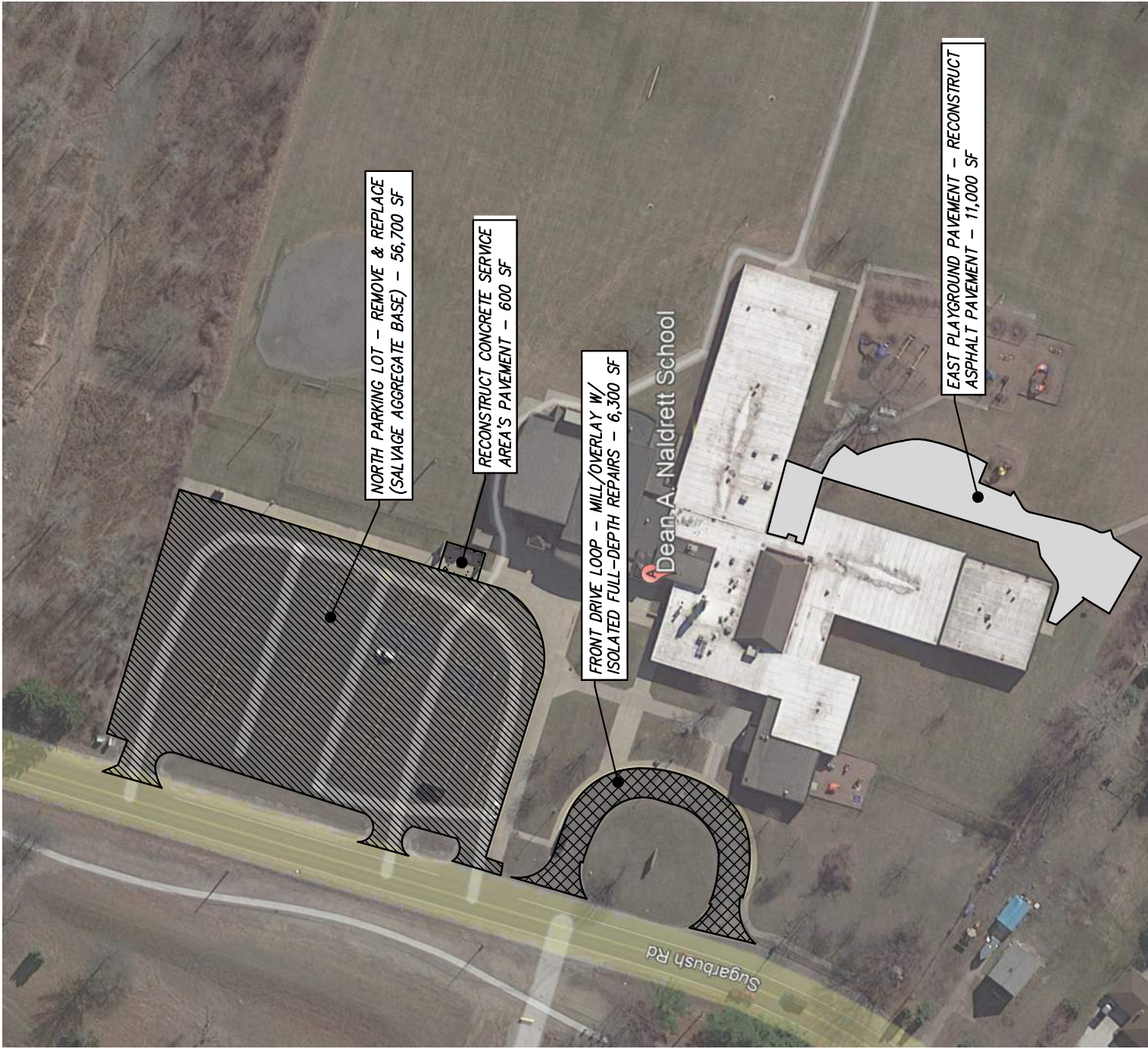
JOB No. PR22011	DRAWING No.
SCALE: NONE	SHEET PAVING-1



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	CHECKED BY: J. ENSLEY	DATE: 02/10/2022	2022 BOND PLANNING		PR22011
	PROJECT MANAGER: J. ENSLEY	BID PLAN DATE:	ANCHOR BAY MIDDLE SCHOOL SOUTH PROPOSED SITE PAVING REPAIRS		SCALE: NONE
			SHEET PAVING-1		



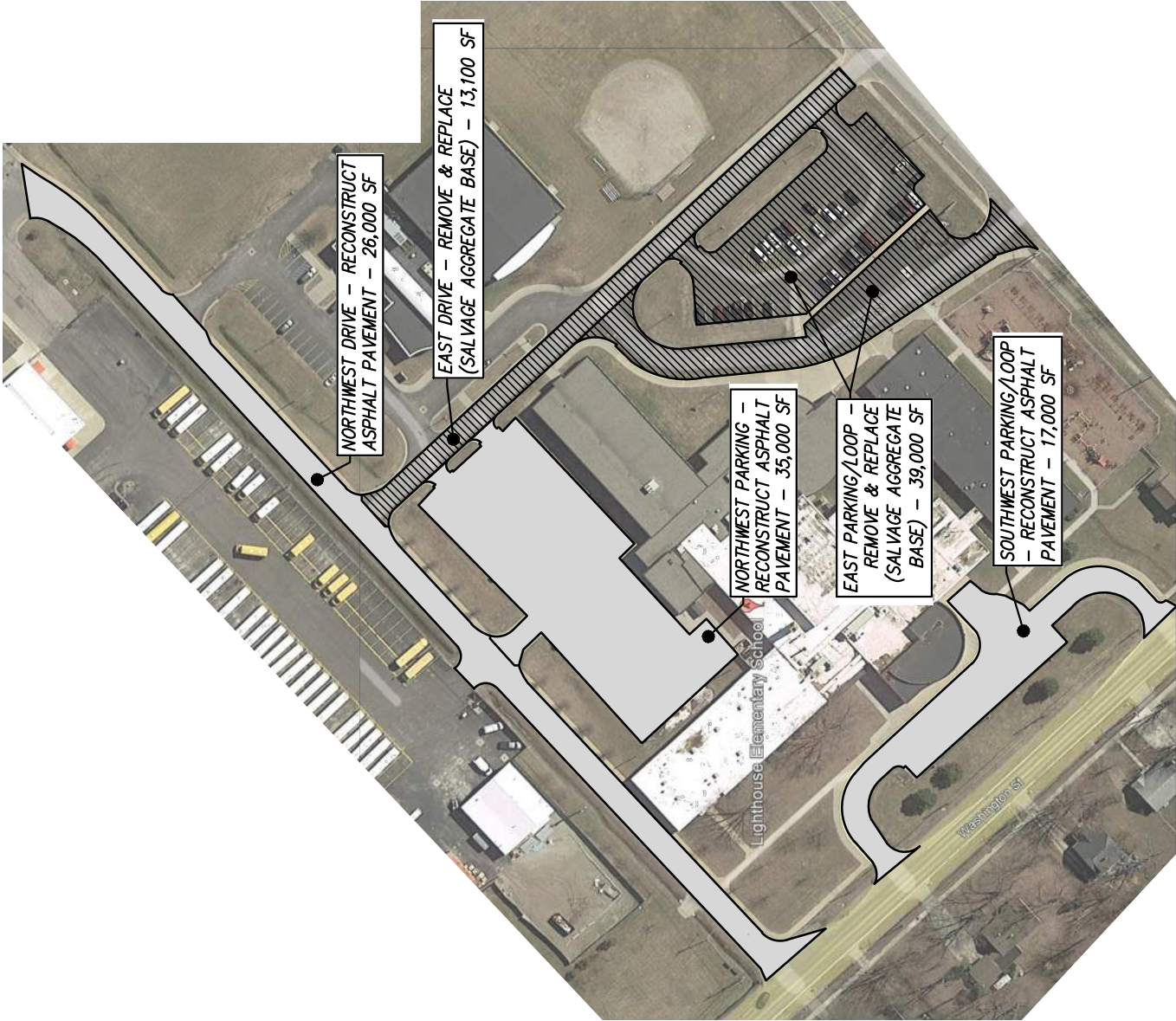
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	PROJECT MANAGER:	BID PLAN DATE:		ASHLEY ELEMENTARY SCHOOL		SCALE:	SHEET
J. ENSLEY				PROPOSED SITE PAVING REPAIRS		NONE	PAVING-1



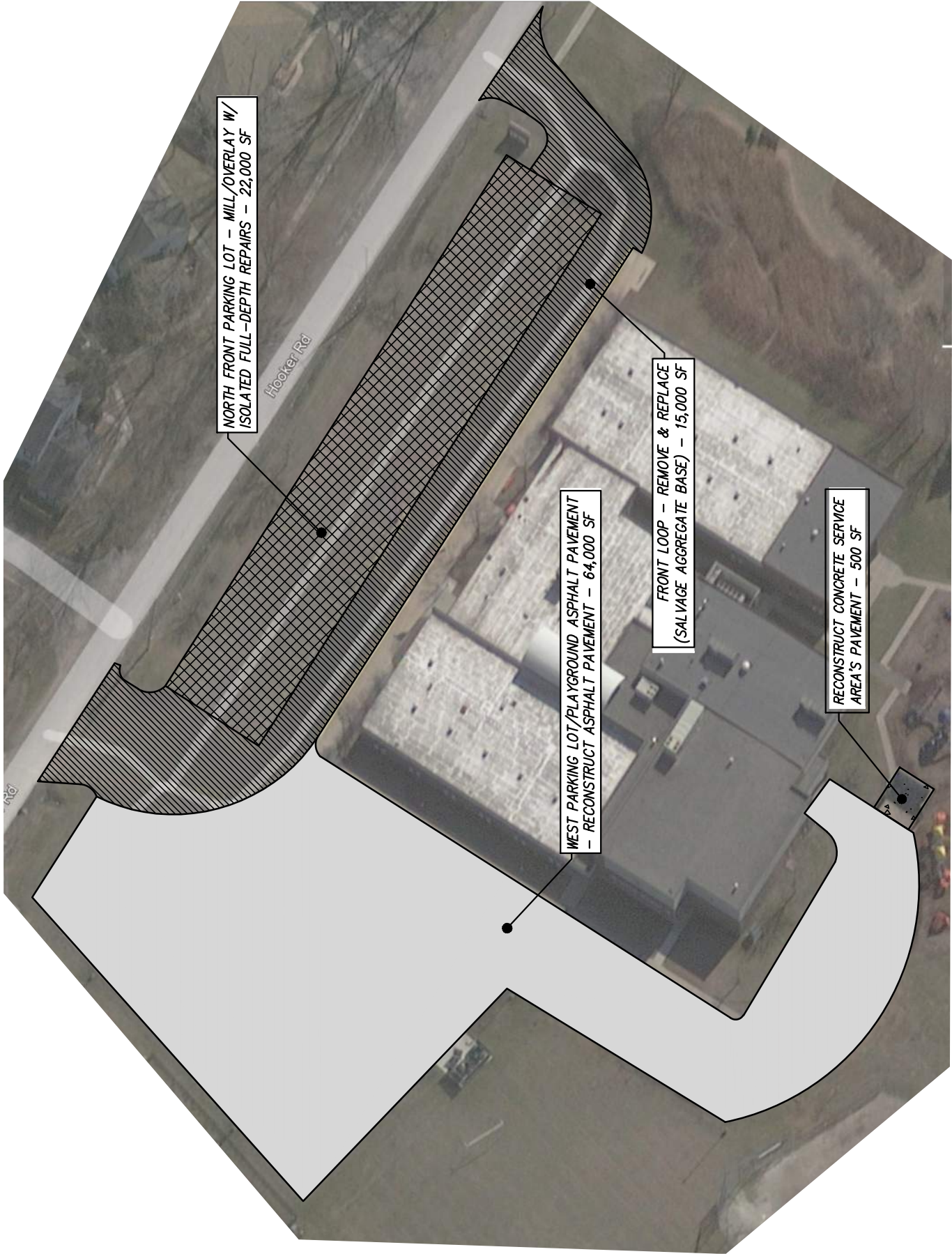
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	02/10/2022	2022 BOND PLANNING			PR22011	
	CHECKED BY: J. ENSLEY	DEAN A. NALDRETT ELEMENTARY SCHOOL			SCALE: NONE	SHEET
PROJECT MANAGER: J. ENSLEY	BID PLAN DATE:	PROPOSED SITE PAVING REPAIRS				PAVING-1



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	CHECKED BY: J. ENSLEY		DATE: 02/10/2022	2022 BOND PLANNING		
	PROJECT MANAGER: J. ENSLEY		BID PLAN DATE:	GREAT OAKS ELEMENTARY SCHOOL PROPOSED SITE PAVING REPAIRS		SCALE: NONE



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	CHECKED BY: J. ENSLEY		DATE: 02/10/2022	2022 BOND PLANNING		
	PROJECT MANAGER: J. ENSLEY		BID PLAN DATE:		LIGHTHOUSE ELEMENTARY SCHOOL PROPOSED SITE PAVING REPAIRS	



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	02/10/2022	2022 BOND PLANNING			PR22011	
	CHECKED BY:	LOTTIE M. SCHMIDT ELEMENTARY SCHOOL			SCALE:	
J.ENSLEY	DATE:	PROPOSED SITE PAVING REPAIRS			NONE	SHEET
PROJECT MANAGER:	BID PLAN DATE:					PAVING-1
J.ENSLEY						



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CHECKED BY: J. ENSLEY	DATE: 02/10/2022
PROJECT MANAGER: J. ENSLEY	BID PLAN DATE:



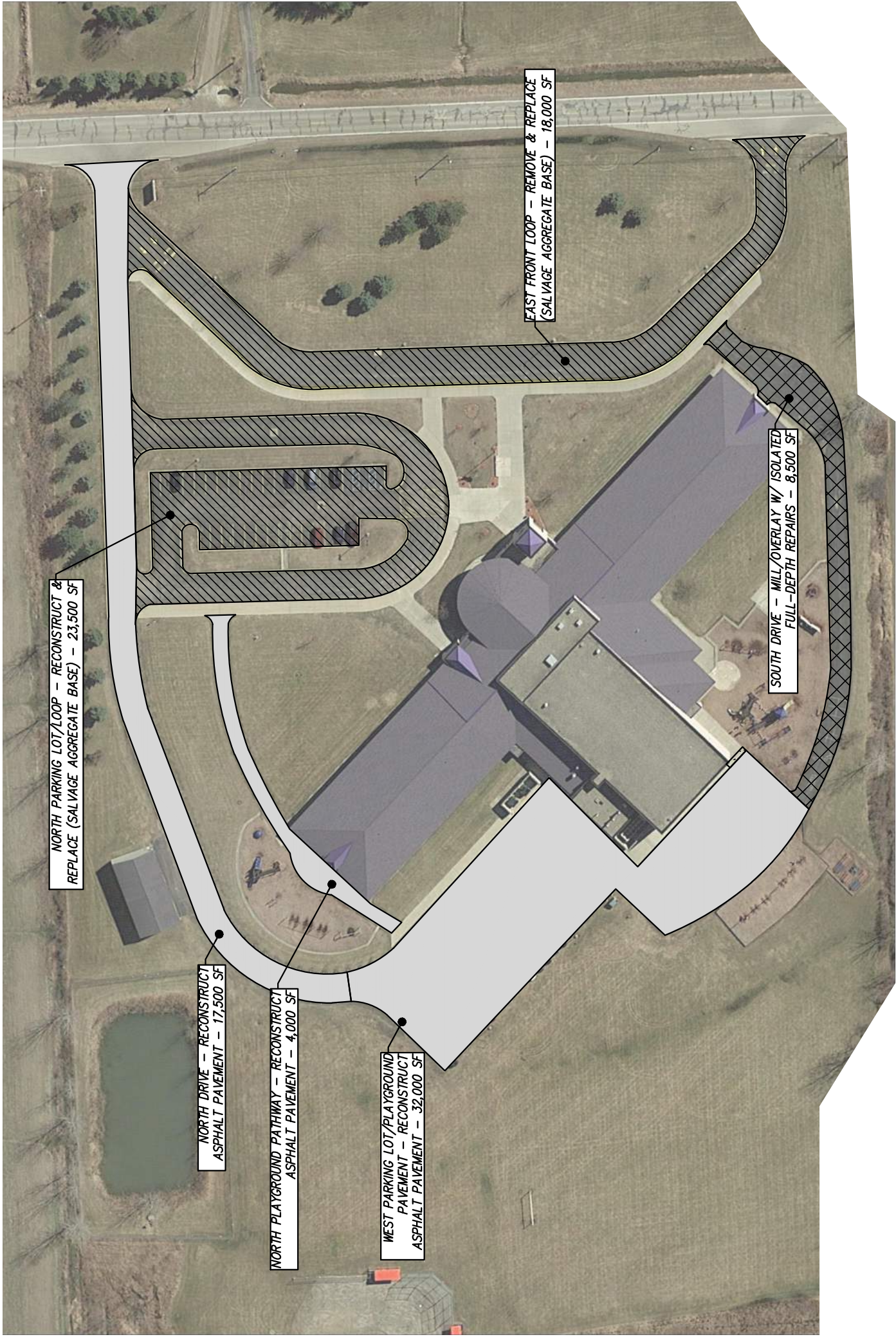
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ANCHOR BAY SCHOOL DISTRICT 2022 BOND PLANNING SUGARBUSH EARLY CHILDHOOD PROPOSED SITE PAVING REPAIRS		JOB No. PR22011	DRAWING No.
		SCALE: NONE	SHEET PAVING-1



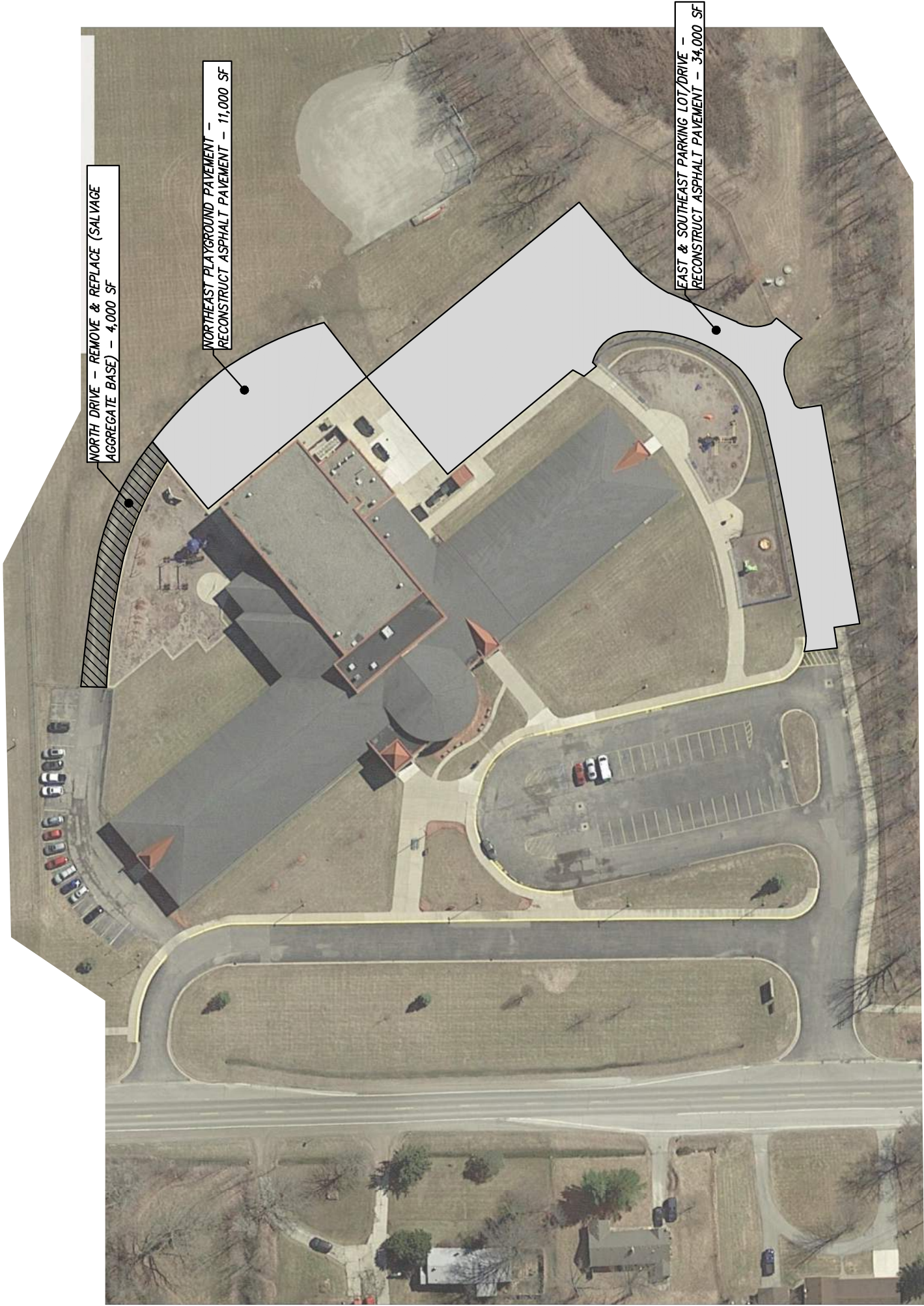
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CHECKED BY: J. ENSLEY	DATE: 02/10/2022
PROJECT MANAGER: J. ENSLEY	BID PLAN DATE:

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ANCHOR BAY SCHOOL DISTRICT 2022 BOND PLANNING MACONCE ELEMENTARY SCHOOL PROPOSED SITE PAVING REPAIRS		JOB No. PR22011	DRAWING No.
		SCALE: NONE	SHEET PAVING-1



DRAWN BY: L. CHUEY	DATE: 02/17/2022
CHECKED BY: J. ENSLEY	DATE: 02/10/2022
PROJECT MANAGER: J. ENSLEY	BID PLAN DATE:



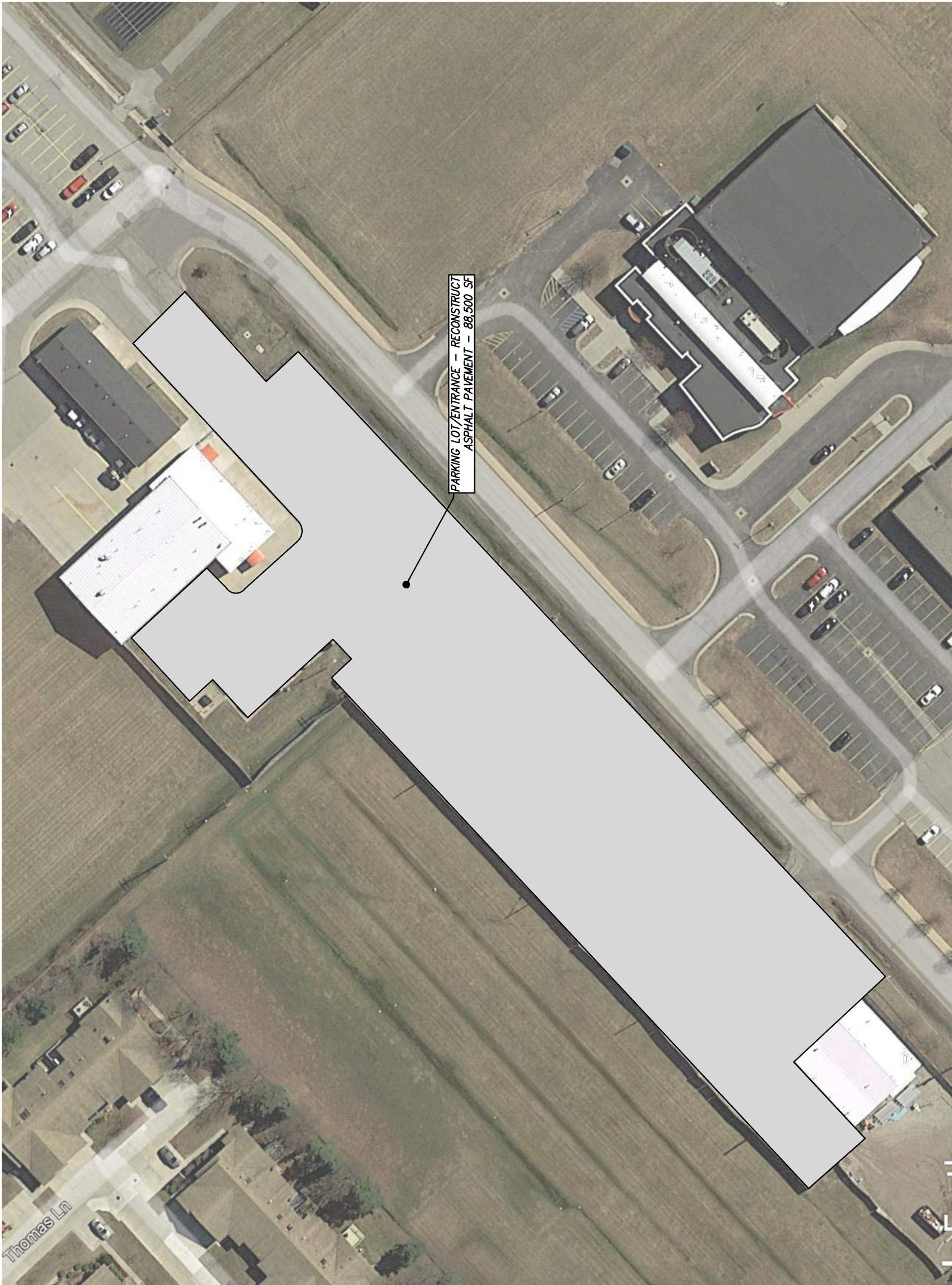
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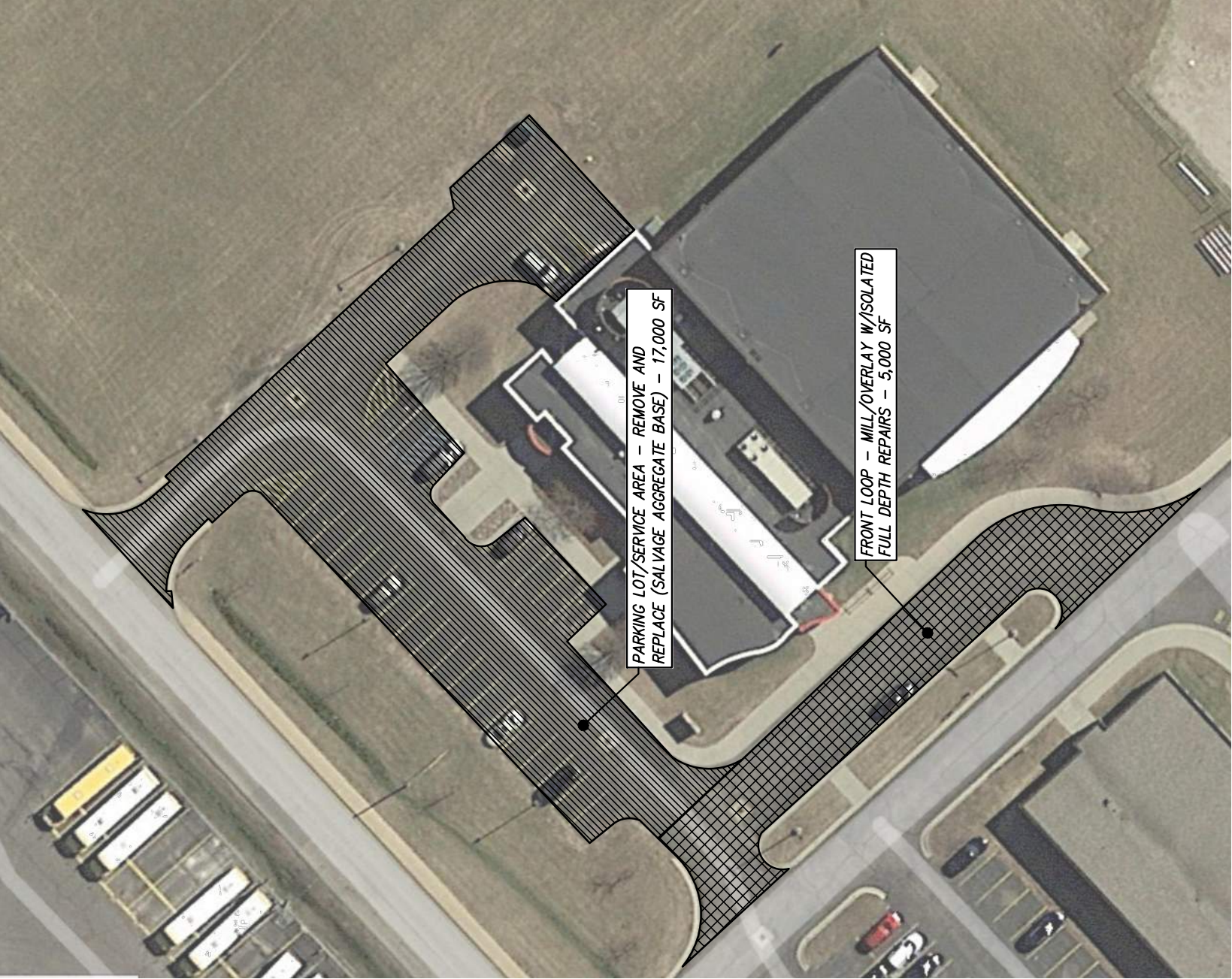
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Fax: (248) 844-5440

ANCHOR BAY SCHOOL DISTRICT 2022 BOND PLANNING MACDONALD / ADMINISTRATION PROPOSED SITE PAVING REPAIRS			JOB No. PR22011	DRAWING No.
			SCALE: NONE	SHEET PAVING-1



DRAWN BY: L. CHUEY	DATE:	02/17/2022		 SPALDING DeDECKER Engineers Surveyors 905 South Blvd. East Rochester Hills, MI 48307 www.sda-eng.com	ANCHOR BAY SCHOOL DISTRICT 2022 BOND PLANNING TRANSPORTATION / MAINTENANCE PROPOSED SITE PAVING REPAIRS	JOB No. PR22011	DRAWING No.	
	CHECKED BY:	DATE:	02/10/2022				SCALE:	SHEET
	PROJECT MANAGER:	BID PLAN DATE:					NONE	PAVING-1



DRAWN BY: C. GAWNE	DATE: 02/10/2022	 SPALDING DECKER Engineers Surveyors 905 South Blvd. East Rochester Hills, MI 48307 Phone: (248) 844-5400 Fax: (248) 844-5440 www.sda-eng.com	ANCHOR BAY SCHOOL DISTRICT 2022 BOND PLANNING		JOB No. PR22011	DRAWING No.
CHECKED BY: J. ENSLEY	DATE: 02/10/2022		AQUATIC/RECREATION CENTER		SCALE: NONE	
PROJECT MANAGER: J. ENSLEY	BID PLAN DATE:		PROPOSED SITE PAVING REPAIRS			NONE

**SPALDING DeDECKER**
Engineers | Surveyors

905 South Blvd. East
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DRAWN BY: L. CHUEY		DATE: 02/17/2022	SPALDING DECKER Engineers Surveyors 905 South Blvd. East Rochester Hills, MI 48307 Phone: (248) 844-5400 Fax: (248) 844-5440 www.sda-eng.com	ANCHOR BAY SCHOOL DISTRICT 2022 BOND PLANNING BLOOM ACADEMY PROPOSED SITE PAVING REPAIRS		JOB No. PR22011	DRAWING No.
CHECKED BY: J. ENSLEY		DATE: 02/10/2022		SCALE: NONE	SHEET PAVING-1		
PROJECT MANAGER: J. ENSLEY		BID PLAN DATE:					

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SECTION 4 | ENERGY STUDY

- SUMMARY
- NATURAL GAS USE
- ELECTRICAL USE



ANCHOR BAY SCHOOL DISTRICT (ABSD)

FACILITY CONDITION ASSESSMENT (FCA)

ENERGY USE STUDY

ELECTRICAL USE

PRELIMINARY - FOR DISCUSSION PURPOSE ONLY

DATE: 2/7/22

#	Location	Area sqft	2017-2018 KWH	2017-2018 Cost	2018-2019 KWH	2018-2019 Cost	2019-2020 KWH	2019-2020 Cost	3 year avg (2017-2020) KWH	3 year avg (2017-2020) Cost	KWH/SF (BTU/SF/Year)	Energy Use Index (\$/SF/Year)	Energy Cost Index (\$/SF/Year)
1	Ashley Elem	59,170	319,732	\$26,428	387,439	\$34,075	299,040	\$26,618	335,404	\$29,040	5.668	19,347	\$0.491
2	Great Oaks Elem	62,183	439,680	\$32,326	481,920	\$42,347	368,520	\$33,656	430,040	\$36,110	6.916	23,603	\$0.581
3	Lighthouse Elem	86,768	671,099	\$51,657	614,800	\$55,190	451,500	\$42,788	579,133	\$49,879	6.674	22,780	\$0.575
4	Lottie Elem	56,394	331,440	\$27,396	383,520	\$33,657	314,700	\$28,606	343,220	\$29,886	6.086	20,772	\$0.530
5	Maconce Elem	56,835	343,910	\$27,082	363,840	\$32,146	273,510	\$22,858	327,087	\$27,362	5.755	19,642	\$0.481
6	Naldrrett Elem	60,200	253,912	\$21,084	326,400	\$29,171	276,720	\$24,998	285,677	\$25,084	4.745	16,196	\$0.417
7	MS North	123,207	995,123	\$81,134	978,880	\$85,070	1,002,880	\$88,457	992,294	\$84,887	8.054	27,488	\$0.689
8	MS South	175,662	1,121,291	\$81,158	1,199,170	\$97,456	1,041,670	\$77,967	1,120,710	\$85,527	6.380	21,775	\$0.487
9	High School DTE	467,110	6,376,160	\$444,028	5,515,440	\$379,075	5,352,620	\$414,912	5,748,073	\$412,672	12.306	41,999	\$0.883
School Subtotals:			10,852,347	\$792,293	10,251,409	\$788,188	9,381,160	\$760,861	10,161,639	\$780,447	8.855	30,223	\$0.680
10	Aquatic Center	23,864	664,668	\$54,385	627,200	\$59,285	660,160	\$57,005	650,676	\$56,891	27.266	93,059	\$2.384
11	Sugarbush Elem	59,776	398,400	\$32,803	471,839	\$41,649	343,920	\$34,121	404,720	\$36,191	6.771	23,108	\$0.605
12	Early Childhood Cer	11,382	173,760	\$13,308	159,440	\$15,638	223,940	\$14,412	185,713	\$14,452	16.316	55,688	\$1.270
13	MacDonald Center	53,835	526,320	\$43,107	533,520	\$47,368	426,960	\$36,659	495,600	\$42,378	9.206	31,420	\$0.787
14	Transportation	9,213	7,200	\$1,023	8,080	\$1,213	8,640	\$1,231	7,973	\$1,156	0.865	2,954	\$0.125
15	Bloom Academy	3,958	9,397	\$1,111	13,509	\$1,595	9,416	\$1,172	10,774	\$1,293	2.722	9,290	\$0.327
District Totals:			12,632,092	\$938,029	12,064,997	\$954,935	11,054,196	\$905,460	11,917,095	\$932,808	9.100	31,059	\$0.712

Notes:

Note: 1 KWH = 3,413 BTU

Info provided by Detroit Edison & MISEC