



# FACILITIES INFRASTRUCTURE NEEDS ASSESSMENT

SUPPORTING DETAILS

MAY 2019



## Dimondale Elementary School Supporting Detail

330 Walnut Street  
Dimondale, MI 48821

43,393 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1951  
*Year Built*

## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Dimondale Elementary School according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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SITE												
	Fencing	Assumed no improvements					Fencing	-	/LF	14.20	\$ -	\$ -
	Signage			100%			Signage	6	/EA	142.00	\$ 852	\$ -
	Grading/Lawn/Landscaping	Includes ditching		100%			Lawn/Landscaping	1.00	/LS	71,000.00	\$ 71,000	\$ -
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	18,460.00	\$ -	\$ -
	Storm Sewer Piping/Structures/Detention			100%			Storm Sewer Piping/Structures	1	/LS	99,400.00	\$ 99,400	\$ -
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$ -	\$ -
	Concrete Curbs			100%			Concrete Curbs	900	/LF	35.50	\$ 31,950	\$ -
	HD Asphalt			100%			HD Asphalt	6,000	/SF	10.70	\$ 64,200	\$ -
	LD Asphalt			100%			LD Asphalt	76,000	/SF	7.10	\$ 539,600	\$ -
	Walks			100%			Concrete Walks	7,000	/SF	12.80	\$ 89,600	\$ -
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	360	/SF	28.40	\$ 10,224	\$ -
	Play Areas/Pathway			100%			LD Asphalt	-	/SF	7.10	\$ -	\$ -
	Comp. Athletic Field	N/A					Comp. Athletic Field	-	/EA	-	\$ -	\$ -
	Practice Athletic Field	Replace backstop		100%			Practice Athletic Field	-	/EA	-	\$ -	\$ -
	Play Surface			100%			Play Surface	3,600	/SY	28.40	\$ 102,240	\$ -
<b>SITE</b>											<b>\$ 1,009,066</b>	<b>\$ -</b>

**SUMMARY NOTES**  
 See Appendix A for comments and additional images.



# Building Exterior Zone A

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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## BUILDING EXTERIOR Zone A

Roof A:			0%	0%	100%	0%	PVC	-	/SF	22.80	\$ -	\$ 497,952
Roof B:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
Roof C:			0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
Roof Edge:			0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
Window A:			0%	0%	36%	64%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 23,260
Window B:			0%	0%	100%	0%	Curtain Wall	-	/SF	142.00	\$ -	\$ 107,352
Window C:			0%	100%	0%	0%	Aluminum Windows	50	/SF	92.30	\$ 4,615	\$ -
Entry Doors:			0%	0%	0%	0%	Entry doors:	-	/EA	4,260.00	\$ -	\$ -
Service Door:			0%	33%	0%	67%	Service Doors:	3	/EA	5,680.00	\$ 17,040	\$ 34,080
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
Walls:			2%	0%	0%	0%	Wall Rebuild:	100	/SF	28.40	\$ 2,840	\$ -
Soffits:			0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ 24,495</b>	<b>\$ 662,644</b>

## SUMMARY NOTES

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# Building Exterior Zone B

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone B												
	Roof A:		0%	0%	100%	0%	PVC	-	/SF	22.80	\$ -	\$ 308,256
	Roof B:		0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
	Roof C:		0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
	Roof Edge:		0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
	Window A:		0%	50%	0%	0%	Aluminum Windows	125	/SF	92.30	\$ 11,538	\$ -
	Window B:		0%	71%	0%	0%	Curtain Wall	150	/SF	142.00	\$ 21,300	\$ -
	Window C:		0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
	Entry Doors:		0%	0%	0%	33%	Entry doors:	-	/EA	4,260.00	\$ -	\$ 17,040
	Service Door:		100%	0%	0%	0%	Service Doors:	6	/EA	5,680.00	\$ 34,080	\$ -
	O H Door:		0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
	Walls:		1%	0%	0%	0%	Wall Rebuild:	100	/SF	28.40	\$ 2,840	\$ -
	Soffits:		0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
	Canopies:		0%	0%	0%	0%	Canopies	-			\$ -	\$ -
<b>BUILDING EXTERIOR Zone B</b>											<b>\$ 69,758</b>	<b>\$ 325,296</b>

SUMMARY NOTES



# Lobbies and Vestibules

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES												
	Floor/base Type A	CPT	0%	0%	50%	50%	Carpet	-	/SF	7.10	\$ -	\$ 2,045
	Floor/base Type B	CT	0%	0%	0%	50%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 2,055
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	50%	50%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 1,892
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	50%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 10,224
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Secure Entry						Create Secure Entry	1	Allow	35,500.00	\$ 35,500	\$ -
<b>LOBBIES AND VESTIBULES</b>											<b>\$ 35,500</b>	<b>\$ 16,217</b>

SUMMARY NOTES



# Corridors Stairs and Elevators

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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## CORRIDORS STAIRS AND ELEVATORS

Floor/base Type A	CPT		0%	0%	0%	100%	Carpet	-	/SF	7.10	\$ -	\$ 36,423
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	100%	CMU	-	/SF	15.70	\$ -	\$ 142,299
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 29,241
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 68,728
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 13,746
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ -
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
<b>CORRIDORS STAIRS AND ELEVATORS</b>											\$ -	\$ 290,436

## SUMMARY NOTES





# Toilet Rooms

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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## TOILET ROOMS

Floor/base Type A	CT		0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$ -	\$ -
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	67%	33%	0%	Acoust. Ceiling & Grid	489	/SF	5.70	\$ 2,789	\$ 1,395
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Toilet Partitions			0%	0%	0%	100%	Toilet Partitions	-	/LF	177.50	\$ -	\$ 14,023
Toilet Accessories			0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 15,336
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	-	EA	710.00	\$ -	\$ -
<b>TOILET ROOMS</b>											<b>\$ 2,789</b>	<b>\$ 30,753</b>

## SUMMARY NOTES

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# Classrooms

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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## CLASSROOMS

	Floor/base Type A	CPT	0%	4%	56%	40%	Carpet	787	/SF	7.10	\$ 5,588	\$ 134,118
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	16%	80%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 107,673
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	33%	43%	22%	Casework - Base/Wall	211	/LF	781.00	\$ 164,791	\$ 326,458
	Display Board		0%	0%	6%	86%	Display Board	-	/LF	56.80	\$ -	\$ 48,734
	Window Treatment		0%	0%	91%	9%	Window Treatment	-	/LF	42.60	\$ -	\$ 6,773
	Doors		0%	0%	0%	98%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 242,820
	Space Lacks 2nd Means of egress						2nd means of egress	1	EA	7,100.00	\$ 7,100	\$ -
	Space Lacks Corridor Separations						Corridor separation	11	EA	4,970.00	\$ 54,670	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	25	EA	710.00	\$ 17,750	\$ -
<b>CLASSROOMS</b>											<b>\$ 249,899</b>	<b>\$ 866,577</b>

## SUMMARY NOTES

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# Art Rooms

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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**ART ROOMS**

Floor/base Type A	VCT		0%	0%	0%	100%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 4,617
Floor/base Type B	CPT		0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 4,617
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ 298
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 23,004
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>ART ROOMS</b>											<b>\$ 710</b>	<b>\$ 32,536</b>

**SUMMARY NOTES**

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# Computer Labs

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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## COMPUTER LABS

Floor/base Type A	CPT		0%	0%	0%	100%	Carpet	-	/SF	7.10	\$ -	\$ 6,390
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 5,130
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 454
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ -
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>COMPUTER LABS</b>											<b>\$ 710</b>	<b>\$ 11,974</b>

## SUMMARY NOTES

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# Gymnasiums

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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GYMNASIUMS												
	Floor/base Type A	VCT	0%	33%	33%	33%	Vinyl Tile	1,339	/SF	5.70	\$ 7,632	\$ 15,265
	Floor/base Type B	CONC	0%	0%	100%	0%	Conc	-	/SF	15.70	\$ -	\$ 2,041
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	EXP	0%	0%	0%	100%	Exposed	-	/SF	2.20	\$ -	\$ 4,675
	CeilingType B	ACT	0%	50%	50%	0%	Acoust. Ceiling & Grid	1,011	/SF	5.70	\$ 5,763	\$ 5,763
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 682
	Gym Equipment		0%	0%	100%	0%	Gym Equipment	-	EA	3,550.00	\$ -	\$ 7,100
	Doors		0%	31%	0%	69%	Door (\$/ Leaf)	5	EA	2,556.00	\$ 12,780	\$ 28,116
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>GYMNASIUMS</b>											<b>\$ 26,885</b>	<b>\$ 63,641</b>

SUMMARY NOTES



# Media Center

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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MEDIA CENTER												
	Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$ -	\$ 16,401
	Floor/base Type B	VCT	0%	0%	0%	100%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 1,630
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 8,715
	CeilingType B	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 15,151
	Casework		0%	0%	0%	49%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 16,401
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 227
	Window Treatment		0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ 710
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 23,004
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>MEDIA CENTER</b>											<b>\$ 710</b>	<b>\$ 82,240</b>

SUMMARY NOTES



# Kitchen / Servery

Dimondale Elementary School

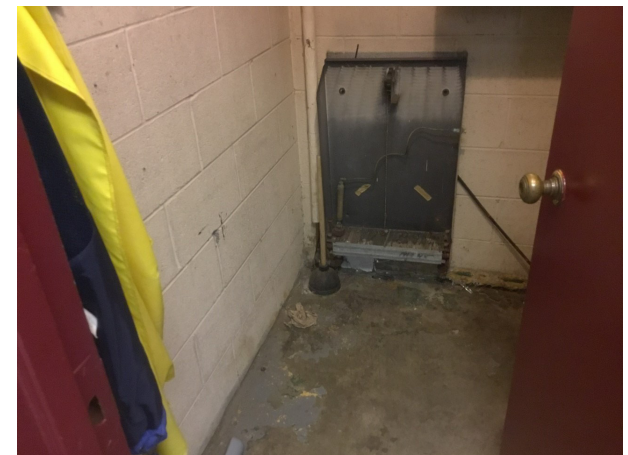
ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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## KITCHEN / SERVERY

Floor/base Type A	VCT		0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 2,086
Floor/base Type B	CONC		0%	0%	100%	0%	Conc	-	/SF	15.70	\$ -	\$ 565
Walls / paint	CMU		0%	0%	33%	67%	CMU	-	/SF	15.70	\$ -	\$ 21,980
CeilingType A	EXP		0%	0%	0%	100%	Exposed	-	/SF	2.20	\$ -	\$ 884
CeilingType B	ACT		0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 7,668
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	-	EA	710.00	\$ -	\$ -
<b>KITCHEN / SERVERY</b>											<b>\$ -</b>	<b>\$ 33,184</b>

## SUMMARY NOTES

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# Offices

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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OFFICES														
	Floor/base Type A	CPT	0%	0%	50%	50%	Carpet	-	/SF	7.10	\$	\$ 4,466		
	Floor/base Type B	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$	\$ 2,810		
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$	\$ -		
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	\$ 5,620		
	CeilingType B	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$	\$ 1,931		
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	\$ -		
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	\$ -		
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	\$ -		
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	\$ 12,780		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	\$ -		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	\$ -		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	\$ -		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$	\$ 1,420		
<b>OFFICES</b>											<b>\$</b>	<b>1,420</b>	<b>\$</b>	<b>27,607</b>

SUMMARY NOTES												





# Staff Spaces

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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## STAFF SPACES

Floor/base Type A	CPT		0%	67%	33%	0%	Carpet	1,041	/SF	7.10	\$ 7,389	\$ 3,694
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 8,898
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 12,496
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 682
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 213
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 15,336
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	3	EA	710.00	\$ 2,130	\$ -
<b>STAFF SPACES</b>											<b>\$ 9,519</b>	<b>\$ 41,319</b>

## SUMMARY NOTES

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# Mechanical Electrical and Storage Rooms

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS												
	Floor/base Type A	VCT	0%	100%	0%	0%	Vinyl Tile	252	/SF	5.70	\$ 1,436	\$ -
	Floor/base Type B	CONC	0%	0%	100%	0%	Conc	-	/SF	15.70	\$ -	\$ 2,967
	Walls / paint	CMU	0%	0%	50%	0%	CMU	-	/SF	15.70	\$ -	\$ 8,258
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 1,436
	CeilingType B	EXP	0%	0%	100%	0%	Exposed	-	/SF	2.20	\$ -	\$ 416
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 14,058
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 227
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	67%	0%	33%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	1	EA	7,100.00	\$ 7,100	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	-	EA	710.00	\$ -	\$ -
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$ 13,648</b>	<b>\$ 29,919</b>

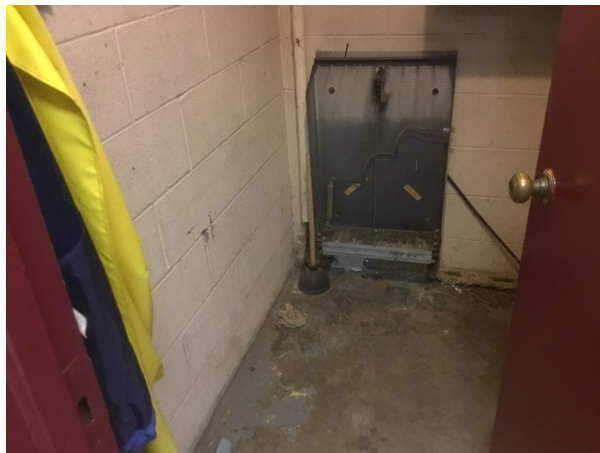
SUMMARY NOTES												

# Custodial

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
<b>CUSTODIAL</b>												
	Floor/base Type A	VCT	0%	100%	0%	0%	Vinyl Tile	286	/SF	5.70	\$ 1,630	\$ -
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	EXP	0%	0%	0%	100%	Exposed	-	/SF	2.20	\$ -	\$ 629
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 227
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	-	EA	710.00	\$ -	\$ -
<b>CUSTODIAL</b>											<b>\$ 1,630</b>	<b>\$ 3,412</b>

**SUMMARY NOTES**



# Mechanical

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL												
	Controls System		X				Replace with fully functioning DDC with BACNet/BMS capabilities	43393	SF	\$ 2.82	\$ 122,368	\$ -
	Temperature Controls Upgrade		X				Needs upgrading from Pnumatic to DDC	43393	SF	\$ 2.82	\$ 122,368	\$ -
	Classroom HVAC Systems			X			System needs updating w/ Cooling option	23	EA	\$ 32,148.00	\$ 739,404	\$ -
	Gym HVAC							1	EA	\$ 120,132.00	\$ -	\$ -
	Computer Lab HVAC			X			VUV with cooling - Reaching End-of-Life	1	EA	\$ 32,148.00	\$ 32,148	\$ -
	Media Center HVAC				X		RTU Type - Reaching End-of-Life	1	EA	\$ 100,110.00	\$ -	\$ 100,110
	Boilers - Total Capacity			X			Need replacement	1	EA	\$ 142,861.20	\$ 142,861	\$ -
	Boiler Pumps,VFDs, Tanks, Accessories		X				Need Replacement - Original Pumps	1	EA	\$ 73,531.50	\$ 73,532	\$ -
	Boiler/HVAC Piping-Total			X			Needs replacing - all original	1	EA	\$ 454,584.00	\$ 454,584	\$ -
	Water Treatment				X		System is old and needs replacing	1	EA	\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust						Installed in mid 2010's	1	EA	\$ 14,523.00	\$ -	\$ -
	Restroom Exhaust					X	Roof fans in fair condition	17	EA	\$ 4,935.00	\$ -	\$ 83,895
<b>MECHANICAL</b>											<b>\$ 1,687,265</b>	<b>\$ 211,641</b>

**SUMMARY NOTES**  
*The existing system is old and outdated. Currently there are only two (2) areas where there is heating and cooling functions and that is in the computer lab and media center. Existing unit vents, hot water piping, etc. need replacement with a system that includes cooling. Boilers are well maintained but are at or near End-of-Life. HVAC controls are outdated and mostly pneumatic. They do not communicate with any BMS system and need upgrading to DDC to communicate with the current JCI-Tridium system. Kitchen HVAC equipment is newer and in good, functioning condition. Bathroom EF's are older and are at the end of useful life but seem to be functioning well for their age.*



# Electrical

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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ELECTRICAL												
	Site Lighting Pole Lights			X			Replace with LED	4	EA	\$ 7,050.00	\$ 28,200	\$ -
	Exterior building Lighting			X			Replace with LED	18	EA	\$ 493.50	\$ 8,883	\$ -
	Exterior Lighting Controls			X			Replace with photocell	18	EA	\$ 70.50	\$ 1,269	\$ -
	Interior Lighting			X			Replace with LED	43393	SF	\$ 8.46	\$ 367,105	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	43393	SF	\$ 2.82	\$ 122,368	\$ -
	Classrooms/Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Public Address System			X			Needs to be Replaced/Upgraded	43393	SF	\$ 3.53	\$ 152,960	\$ -
	Electrical Distribution			X			Will need to be upgraded if AC is added	43393	SF	\$ 6.20	\$ 269,210	\$ -
	Distribution Panels and Panelboards				X		Replace old panels	3	EA	\$ 3,525.00	\$ -	\$ 10,575
	Fire Alarm System							43393	SF	\$ 4.23	\$ -	\$ -
<b>ELECTRICAL</b>											<b>\$ 949,996</b>	<b>\$ 10,575</b>

**SUMMARY NOTES**  
*All lighting (interior & Exterior) should be changed to LED and proper controls added to maximize energy efficiency. The FA system is relatively new, but the exterior FA devices could be updated. Main electrical service to the building is in fair, working order (800 Amp service) but would require an upgrade if AC or another large system were added to the building's current load.*



# Plumbing

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
<b>PLUMBING</b>												
	Fire Suppression	N/A					N/A		EA	\$ -	\$ -	\$ -
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)		X				Need replacing	30	EA	\$ 2,115.00	\$ 63,450	\$ -
	Roof Drains		X				Need replacing	10	EA	\$ 1,551.00	\$ 15,510	\$ -
	Water Fountains		X				Need replacing	4	EA	\$ 4,864.50	\$ 19,458	\$ -
	Floor Drains				X		Old but functional	10	EA	\$ 1,311.30	\$ -	\$ 13,113
	Kitchen Grease Trap						No operational issues	1	EA	\$ 35,250.00	\$ -	\$ -
	Kitchen Water Heater						Newly replaced	1	EA	\$ 41,454.00	\$ -	\$ -
	Well Pump					X	No operational issues	1	EA	\$ 4,935.00	\$ -	\$ 4,935
	Water Softener						No operational issues	1	EA	\$ 32,289.00	\$ -	\$ -
	Water Heaters - Building		X				Need replacing	2	EA	\$ 43,851.00	\$ 87,702	\$ -
	Domestic HW/CW Piping		X				Need replacing	1	LS	\$ 452,610.00	\$ 452,610	\$ -
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,249
	Gas Piping - Total				X		Need replacing soon	1	LS	\$ 31,584.00	\$ -	\$ 31,584
	Recirculation Pump		X				Need replacing	1	EA	\$ 4,935.00	\$ 4,935	\$ -
<b>PLUMBING</b>											<b>\$ 643,665</b>	<b>\$ 57,881</b>

**SUMMARY NOTES**

*There is zero fire suppression in the building. In any future addition, note will have to be taken to see if any fire suppression will be required. Much of the plumbing piping system is original and is a mix of copper and galvanized piping prone to leaking issues. Much of the original piping is under the slab and cannot be accessed for service or to check for issues. Much of the existing equipment is operational, but is either at or near its useful life.*



# Technology

Dimondale Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life (Replace Immediately)	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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TECHNOLOGY												
Building Technology								43,393	SF	\$ -	\$ -	\$ -
Classroom Technology					100%		Ceiling Projectors & Smartboards	8	EA	\$ 2,397.00	\$ -	\$ 19,176
Kids Chromebooks							Chromebooks		EA	\$ 493.50		
Teacher Laptops							MS based laptops w/ ROM drives		EA	\$ 564.00		
Safety & Security					100%		Main Entrance Door Buzzer System	1	EA	\$ 5,865.60	\$ -	\$ 5,866
Video Surveillance			100%				Currently one camera at the front entrance	0	EA	\$ 6,556.50	\$ -	\$ -
<b>TECHNOLOGY</b>											<b>\$ -</b>	<b>\$ 25,042</b>

**SUMMARY NOTES**  
*The building's server seems to be in good order and no issues were noted in the pre-walk meeting. Classroom technology is in good condition but may be on the side of being outdated. Teachers have requested Windows-based laptops with ROM for each teacher and a 1:1 ratio of Chromebooks to students. Building security seems to be in good order as well, but there are no FOB's for secure entrance and there is only a single security lock system at the main entrance which requires someone in the main office to buzz people in. That entrance has the only video surveillance camera that was noted. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Elliott Elementary School Supporting Detail

4200 Bond Street  
Holt, MI 48842

44,291 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1942  
*Year Built*



## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Elliott Elementary School according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SITE												
	Fencing			100%			Fencing	3,100	/LF	14.20	\$ 44,020	\$ -
	Signage			100%			Signage	6	/EA	142.00	\$ 852	\$ -
	Grading/Lawn/Landscaping			100%			Lawn/Landscaping	1.00	/LS	71,000.00	\$ 71,000	\$ -
	Sanitary Sewer Piping/Structures			100%			Sanitary Sewer Piping/Structures	1	/LS	28,400.00	\$ 28,400	\$ -
	Storm Sewer Piping/Structures/Detention			100%			Storm Sewer Piping/Structures	1	/LS	66,740.00	\$ 66,740	\$ -
	Water Piping/Valves/Hydrants			100%			Water Piping/Valves/Hydrants	1	/LS	28,400.00	\$ 28,400	\$ -
	Concrete Curbs			100%			Concrete Curbs	1,150	/LF	35.50	\$ 40,825	\$ -
	HD Asphalt			100%			HD Asphalt	17,550	/SF	10.70	\$ 187,785	\$ -
	LD Asphalt			100%			LD Asphalt	43,400	/SF	7.10	\$ 308,140	\$ -
	Walks			100%			Concrete Walks	5,700	/SF	12.80	\$ 72,960	\$ -
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	1,100	/SF	28.40	\$ 31,240	\$ -
	Play Areas/Pathway	North side of building still in fair condition		20%	80%		LD Asphalt	2,400	/SF	7.10	\$ 17,040	\$ 68,160
	Comp. Athletic Field	N/A					Comp. Athletic Field	-	/EA	-	\$ -	\$ -
	Practice Athletic Field	Assumed no improvements					Practice Athletic Field	-	/EA	-	\$ -	\$ -
	Play Surface	N/A		100%			Play Surface	1,200	/SY	28.40	\$ 34,080	\$ -
<b>SITE</b>											<b>\$ 931,482</b>	<b>\$ 68,160</b>

**SUMMARY NOTES**  
 See Appendix A for comments and additional images.



# Building Exterior Zone A

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone A												
Roof A:			0%	0%	100%	0%	PVC	-	/SF	22.80	\$ -	\$ 498,089
Roof B:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
Roof C:			0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
Roof Edge:			0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
Window A:			0%	0%	36%	64%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 23,260
Window B:			0%	0%	100%	0%	Curtain Wall	-	/SF	142.00	\$ -	\$ 5,964
Window C:			0%	100%	0%	0%	Aluminum Windows	50	/SF	92.30	\$ 4,615	\$ -
Entry Doors:			0%	22%	0%	22%	Entry doors:	2	/EA	4,260.00	\$ 8,520	\$ 8,520
Service Door:			0%	40%	0%	60%	Service Doors:	2	/EA	5,680.00	\$ 11,360	\$ 17,040
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
Walls:			1%	0%	0%	0%	Wall Rebuild:	100	/SF	28.40	\$ 2,840	\$ -
Soffits:			1%	0%	0%	0%	Plaster/EIFS Soffits	25	/SF	17.10	\$ 428	\$ -
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ 27,763</b>	<b>\$ 552,872</b>

SUMMARY NOTES



# Building Exterior Zone B

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone B														
Roof A:			0%	0%	0%	100%	PVC	-	/SF	22.80	\$	-	\$ 186,960	
Roof B:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$	-	\$ -	
Roof C:			0%	0%	0%	0%	Skylight	-	/SF	213.00	\$	-	\$ -	
Roof Edge:			0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$	-	\$ -	
Window A:			0%	50%	0%	0%	Aluminum Windows	125	/SF	92.30	\$	11,538	\$ -	
Window B:			0%	71%	0%	0%	Curtain Wall	150	/SF	142.00	\$	21,300	\$ -	
Window C:			0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$	-	\$ -	
Entry Doors:			0%	0%	0%	50%	Entry doors:	-	/EA	4,260.00	\$	-	\$ 17,040	
Service Door:			100%	0%	0%	0%	Service Doors:	6	/EA	5,680.00	\$	34,080	\$ -	
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$	-	\$ -	
Walls:			1%	0%	0%	0%	Wall Rebuild:	100	/SF	28.40	\$	2,840	\$ -	
Soffits:			0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$	-	\$ -	
Canopies:			0%	0%	0%	0%	Canopies	-			\$	-	\$ -	
<b>BUILDING EXTERIOR Zone B</b>											<b>\$</b>	<b>69,758</b>	<b>\$</b>	<b>204,000</b>

SUMMARY NOTES



# Building Exterior Zone C

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone C												
Roof A:			0%	0%	0%	100%	PVC	-	/SF	22.80	\$	- \$ 38,760
Roof B:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$	- \$ -
Roof C:			0%	0%	0%	0%	Duro-Last (_____)	-	/SF	22.80	\$	- \$ -
Roof Edge:			0%	0%	0%	100%	Metal Coping:	-	/LF	24.20	\$	- \$ 11,229
Window A:			0%	12%	88%	0%	Aluminum Windows	84	/SF	92.30	\$	7,753 \$ 58,149
Window B:			0%	0%	0%	0%	Curtain Wall	-	/SF	142.00	\$	- \$ -
Window C:			0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$	- \$ -
Entry Doors:			0%	0%	100%	0%	Entry doors:	-	/EA	4,260.00	\$	- \$ 17,040
Service Door:			0%	0%	0%	0%	Service Doors:	-	/EA	5,680.00	\$	- \$ -
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$	- \$ -
Walls:			0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$	- \$ -
Soffits:			0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$	- \$ -
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$	- \$ -
<b>BUILDING EXTERIOR Zone C</b>											<b>\$ 7,753</b>	<b>\$ 125,178</b>

SUMMARY NOTES



# Lobbies and Vestibules

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES												
	Floor/base Type A	CT	0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$ -	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 815
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 7,668
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	1	EA	4,260.00	\$ 4,260	\$ -
	Secure Entry						Create Secure Entry	1	Allow	35,500.00	\$ 35,500	\$ -
<b>LOBBIES AND VESTIBULES</b>											<b>\$ 39,760</b>	<b>\$ 8,483</b>

SUMMARY NOTES



# Corridors Stairs and Elevators

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CORRIDORS STAIRS AND ELEVATORS												
Floor/base Type A	CPT	0%	0%	86%	14%	Carpet	-	/SF	7.10	\$	-	\$ 39,057
Floor/base Type B	VCT	50%	0%	0%	0%	Vinyl Tile	64	/SF	5.70	\$	365	\$ -
Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$ -
CeilingType A	ACT	0%	0%	71%	29%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 31,356
CeilingType B	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$	-	\$ 1,818
Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 4,686
Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -
Window Treatment		0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ 170
Doors		0%	0%	33%	67%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 23,004
Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -
Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -
Space Lacks Barrier Free Access						Barrier free access	1	EA	4,260.00	\$	4,260	\$ -
<b>CORRIDORS STAIRS AND ELEVATORS</b>										<b>\$</b>	<b>4,625</b>	<b>\$</b> 100,091

SUMMARY NOTES



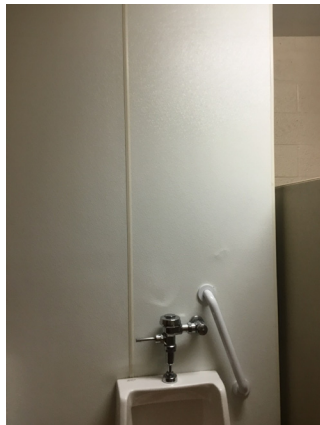
# Toilet Rooms

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TOILET ROOMS														
	Floor/base Type A	CT	0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$	-	\$	
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$	
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$	
	CeilingType A	12x	0%	0%	60%	40%	12x12 Acoust. Tile	-	/SF	5.70	\$	-	\$ 4,338	
	CeilingType B	GB	0%	50%	50%	0%	Gyp Bd.	129	/SF	14.20	\$	1,832	\$ 1,832	
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
	Toilet Partitions		0%	0%	100%	0%	Toilet Partitions	-	/LF	177.50	\$	-	\$ 24,850	
	Toilet Accessories		0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$	-	\$ -	
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 28,116	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	4	EA	4,260.00	\$	17,040	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	10	EA	710.00	\$	7,100	\$ -	
<b>TOILET ROOMS</b>											<b>\$</b>	<b>25,972</b>	<b>\$</b>	<b>59,136</b>

SUMMARY NOTES												





# Classrooms

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CLASSROOMS												
	Floor/base Type A	CPT	0%	13%	75%	13%	Carpet	1,930	/SF	7.10	\$ 13,701	\$ 95,905
	Floor/base Type B	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 909
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	83%	17%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 88,903
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	42%	58%	0%	Casework - Base/Wall	236	/LF	781.00	\$ 184,316	\$ 257,730
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 36,352
	Window Treatment		0%	0%	59%	41%	Window Treatment	-	/LF	42.60	\$ -	\$ 4,814
	Doors		0%	0%	15%	85%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 66,456
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	24	EA	4,970.00	\$ 119,280	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	24	EA	710.00	\$ 17,040	\$ -
<b>CLASSROOMS</b>											<b>\$ 334,337</b>	<b>\$ 551,069</b>

SUMMARY NOTES



# Music Rooms

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## MUSIC ROOMS

Floor/base Type A	CPT		0%	0%	100%	0%	Carpet	-	/SF	7.10	\$ -	\$ 6,795
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 5,455
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 56,232
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 909
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 256
Doors			0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>MUSIC ROOMS</b>											<b>\$ 710</b>	<b>\$ 72,202</b>

## SUMMARY NOTES



# Computer Labs

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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COMPUTER LABS												
	Floor/base Type A	CPT	0%	0%	100%	0%	Carpet	-	/SF	7.10	\$ -	\$ 7,924
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 6,361
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 24,992
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 1,136
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 341
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	1	EA	4,970.00	\$ 4,970	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>COMPUTER LABS</b>											<b>\$ 5,680</b>	<b>\$ 43,310</b>

SUMMARY NOTES



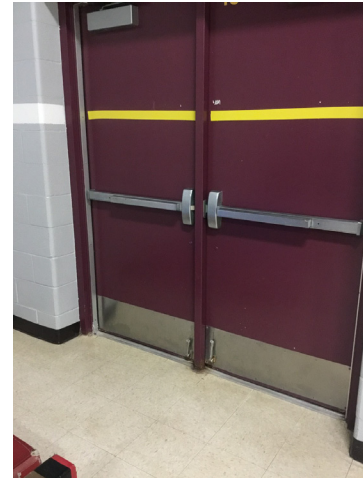
# Gymnasiums

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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GYMNASIUMS												
	Floor/base Type A	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 11,810
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	EXP	0%	0%	0%	100%	Exposed	-	/SF	2.20	\$ -	\$ 4,558
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Gym Equipment		0%	0%	0%	0%	Gym Equipment	-	EA	3,550.00	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 10,224
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>GYMNASIUMS</b>											<b>\$ 710</b>	<b>\$ 26,593</b>

SUMMARY NOTES



# Media Center

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MEDIA CENTER														
	Floor/base Type A	CPT	0%	0%	100%	0%	Carpet	-	/SF	7.10	\$	- \$ 11,935		
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	- \$ -		
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$	- \$ -		
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	- \$ 9,582		
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	- \$ -		
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	- \$ -		
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	- \$ -		
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	- \$ -		
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	- \$ 5,112		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	- \$ -		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	- \$ -		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	- \$ -		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710 \$ -		
<b>MEDIA CENTER</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>26,629</b>

SUMMARY NOTES



# Cafeteria

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CAFETERIA												
	Floor/base Type A	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 11,491
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	12x	0%	100%	0%	0%	12x12 Acoust. Tile	2,016	/SF	5.70	\$ 11,491	\$ -
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>CAFETERIA</b>											<b>\$ 12,201</b>	<b>\$ 14,047</b>

SUMMARY NOTES



# Kitchen / Servery

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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KITCHEN / SERVERY												
	Floor/base Type A	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 1,676
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 1,676
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 5,112
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>KITCHEN / SERVERY</b>											<b>\$ 710</b>	<b>\$ 8,464</b>

SUMMARY NOTES												



# Offices

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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OFFICES												
	Floor/base Type A	CPT	0%	0%	100%	0%	Carpet	-	/SF	7.10	\$ -	\$ 5,488
	Floor/base Type B	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 752
	Walls / paint	GYP	0%	0%	0%	50%	Gyp. Bd.	-	/SF	12.80	\$ -	\$ 12,390
	CeilingType A	ACT	0%	0%	67%	33%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 4,406
	CeilingType B	EXP	0%	0%	0%	100%	Exposed	-	/SF	2.20	\$ -	\$ 290
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 24,992
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 596
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 17,892
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	1	EA	4,260.00	\$ 4,260	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	4	EA	710.00	\$ 2,840	\$ -
<b>OFFICES</b>											<b>\$ 7,100</b>	<b>\$ 66,808</b>

SUMMARY NOTES





# Staff Spaces

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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STAFF SPACES												
	Floor/base Type A	CPT	0%	0%	50%	50%	Carpet	-	/SF	7.10	\$ -	\$ 9,322
	Floor/base Type B	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 149
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 6,435
	CeilingType B	12x	0%	100%	0%	0%	12x12 Acoust. Tile	210	/SF	5.70	\$ 1,197	\$ -
	Casework		0%	0%	16%	84%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 19,525
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 341
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 383
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 12,780
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	4	EA	710.00	\$ 2,840	\$ -
<b>STAFF SPACES</b>											<b>\$ 4,037</b>	<b>\$ 48,935</b>

SUMMARY NOTES												



# Mechanical Electrical and Storage Rooms

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS												
Floor/base Type A	CONC		0%	0%	17%	0%	Conc	-	/SF	15.70	\$ -	\$ 2,973
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	EXP		0%	0%	0%	75%	Exposed	-	/SF	2.20	\$ -	\$ 1,224
CeilingType B	ACT		0%	0%	50%	50%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 2,246
Casework			0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 26,554
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 17,892
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	6	EA	710.00	\$ 4,260	\$ -
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$ 4,260</b>	<b>\$ 50,889</b>

SUMMARY NOTES												

# Custodial

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CUSTODIAL												
	Floor/base Type A	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
	Floor/base Type B	CONC	0%	0%	100%	0%	Conc	-	/SF	15.70	\$ -	\$ 1,492
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	GB	0%	0%	33%	67%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 1,704
	CeilingType B	PL	0%	0%	0%	100%	Plaster	-	/SF	-	\$ -	\$ -
	Lockers		0%	0%	100%	0%	Lockers	-	EA	177.50	\$ -	\$ 710
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ 128
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 10,224
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	3	EA	710.00	\$ 2,130	\$ -
<b>CUSTODIAL</b>											<b>\$ 2,130</b>	<b>\$ 14,257</b>

SUMMARY NOTES												



# Mechanical

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL												
	Controls System					X		44,291	SF	\$ 2.82	\$ -	\$ 124,901
	Temperature Controls Upgrade				X		Needs some upgrading from Pnumatic to DDC	44,291	SF	\$ 2.82	\$ -	\$ 124,901
	Classroom HVAC Systems				X		System needs updating w/ Cooling option. Cannot find parts for gas units.	25	EA	\$ 32,148.00	\$ -	\$ 803,700
	Gym HVAC					X	25 years old - functional	1	EA	\$ 120,132.00	\$ -	\$ 120,132
	Computer Lab HVAC					X	VUV with cooling - Reaching End-of-Life	1	EA	\$ 17,625.00	\$ -	\$ 17,625
	Media Center HVAC				X		System needs updating w/ Cooling option	1	EA	\$ 100,110.00	\$ -	\$ 100,110
	Boilers - Total Capacity						Good working order	2	EA	\$ 142,861.20	\$ -	\$ -
	Boiler Pumps, VFDs, Tanks, Accessories						Good working order	1	EA	\$ 73,531.50	\$ -	\$ -
	Boiler/HVAC Piping-Total						Good working order	1	EA	\$ 454,584.00	\$ -	\$ -
	Water Treatment				X			1		\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust						Installed in mid 2010's	1	EA	\$ 14,523.00	\$ -	\$ -
	Restroom Exhaust			X			Some fans do not operate. Poor ventilation	8	EA	\$ 4,935.00	\$ 39,480	\$ -
<b>MECHANICAL</b>											<b>\$ 39,480</b>	<b>\$ 1,319,004</b>

**SUMMARY NOTES**  
*Heating and cooling are the number one concern for staff and maintenance alike. Classrooms have unit vents with heating only. Existing unit vents, hot water piping, etc. need replacement with a system that includes cooling. Boilers are well maintained. HVAC controls are outdated and partly pneumatic. that do not communicate with any BMS system and need upgrading to DDC to be readable with the JCI Tridium system.*

# Electrical

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ELECTRICAL												
	Site Lighting Pole Lights			X			Replace with LED	3	EA	\$1,692.00	\$ 5,076	\$ -
	Exterior building Lighting			X			Replace with LED	15	EA	\$493.50	\$ 7,403	\$ -
	Exterior Lighting Controls			X			Replace with photocell	15	EA	\$70.50	\$ 1,058	\$ -
	Interior Lighting			X			Replace with LED	44,291	SF	\$8.46	\$ 374,702	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	44,291	SF	\$2.82	\$ 124,901	\$ -
	Classrooms/Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Public Address System					X	Functional	44,291	SF	\$3.53	\$ -	\$ 156,126
	Electrical Distribution			X			Will need to be upgraded if AC is added	44,291	SF	\$6.20	\$ 274,781	\$ -
	Distribution Panels and Panelboards				X		Replace old panels	3	EA	\$3,525.00	\$ -	\$ 10,575
	Fire Alarm System						There is an old Honeywell system with a newer Siemens system tied in.	44,291	SF	\$4.23	\$ -	\$ -
<b>ELECTRICAL</b>											<b>\$ 787,920</b>	<b>\$ 166,701</b>

**SUMMARY NOTES**  
*All lighting (interior & Exterior) should be changed to LED and proper controls added to maximize energy efficiency. The FA system is in good order, but the exterior FA devices could be updated. Main electrical service to the building is in fair, working order (800 Amp service) but is near capacity and needs upgrading.*

# Plumbing

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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PLUMBING												
	Fire Suppression	N/A					N/A		EA	\$ 1.41	\$ -	\$ -
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)					X	Functional	26	EA	\$ 2,115.00	\$ -	\$ 54,990
	Roof Drains					X	Functional	10	EA	\$ 1,551.00	\$ -	\$ 15,510
	Water Fountains					X	Functional	4	EA	\$ 4,864.50	\$ -	\$ 19,458
	Floor Drains					X	Old but functional	10	EA	\$ 1,311.30	\$ -	\$ 13,113
	Kitchen Grease Trap						No operational issues	1	EA	\$ 35,250.00	\$ -	\$ -
	Kitchen Water Heater				X		Functional - Nearing end of life	1	EA	\$ 41,454.00	\$ -	\$ 41,454
	Well Pump						No operational issues	1	EA	\$ 4,935.00	\$ -	\$ -
	Water Softener						No operational issues	1	EA	\$ 32,289.00	\$ -	\$ -
	Water Heaters - Building					X	Functional - over 15 years old	2	EA	\$ 43,851.00	\$ -	\$ 87,702
	Domestic HW/CW Piping				X		Galvanized/copper mix - dielectrics	1	EA	\$ 452,610.00	\$ -	\$ 452,610
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,249
	Gas Piping - Total				X		Need replacing soon	1	EA	\$ 31,584.00	\$ -	\$ 31,584
	Recirculation Pump				X		Nearing end of life	1	EA	\$ 4,935.00	\$ -	\$ 4,935
	Outside Hose Bibbs			X			Not currently operational	5	EA	\$ 4,230.00	\$ 21,150	\$ -
<b>PLUMBING</b>											<b>\$ 21,150</b>	<b>\$ 729,605</b>

SUMMARY NOTES												
<p><i>There is zero fire suppression in the building. In any future addition, note will have to be taken to see if any fire suppression will be required. The mix of copper &amp; galvanized piping are leaky. The bathroom fixtures are old and there is little to no availability of parts for these items when they fail.</i></p>												

# Technology

Elliott Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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**TECHNOLOGY**

Building Technology								44,291	SF	\$ -	\$ -	\$ -
Classroom Technology					100%		Ceiling Projectors & Smartboards	22	EA	\$ 3,243.00	\$ -	\$ 71,346
Kids Chromebooks							Chromebooks		EA	\$ 493.50	\$ -	\$ -
Teacher Laptops							MS based laptops w/ ROM drives		EA	\$ 564.00	\$ -	\$ -
Safety & Security					100%		Main Entrance Door Buzzer System	8	EA	\$ 5,865.60	\$ -	\$ 46,925
Video Surveillance			100%				One camera at the front entrance	5	EA	\$ 6,556.50	\$ 32,783	\$ -
<b>TECHNOLOGY</b>											<b>\$ 32,783</b>	<b>\$ 118,271</b>

**SUMMARY NOTES**

*The building's server seems to be in good order and no issues were noted in the pre-walk meeting. Classroom technology is in good condition but may be on the side of being outdated. Teachers have requested Windows-based laptops with ROM for each teacher and a 1:1 ratio of Chromebooks to students. Building security seems to be in good order as well, but there are no FOB's for secure entrance and there is only a single security lock system at the main entrance which requires someone in the main office to buzz people in. The building does have one (1) video surveillance cameras at the main entrance but could use additional for safety & Security. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Horizon Elementary School Supporting Detail

5776 West Holt Road  
Holt, MI 48842

54,000 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1993  
*Year Built*



## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Horizon Elementary School according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SITE												
	Fencing		10%			90%	Fencing	160	/LF	14.20	\$ 2,272	\$ 20,448
	Signage		10%		90%		Signage	1	/EA	142.00	\$ 85	\$ 767
	Grading/Lawn/Landscaping			10%		90%	Lawn/Landscaping	0.10	/LS	71,000.00	\$ 7,100	\$ 63,900
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Storm Sewer Piping/Structures/Detention	Assumed no improvements					Storm Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$ -	\$ -
	Concrete Curbs			100%			Concrete Curbs	800	/LF	35.50	\$ 28,400	\$ -
	HD Asphalt			100%			HD Asphalt	28,000	/SF	10.70	\$ 299,600	\$ -
	LD Asphalt			100%			LD Asphalt	-	/SF	7.10	\$ -	\$ -
	Walks			80%	20%		Concrete Walks	5,600	/SF	12.80	\$ 71,680	\$ 17,920
	Concrete Steps/Ramps	N/A					Concrete Steps/Ramps	-	/SF	28.40	\$ -	\$ -
	Play Areas/Pathway			100%			LD Asphalt	18,000	/SF	7.10	\$ 127,800	\$ -
	Comp. Athletic Field	N/A					Comp. Athletic Field	-	/EA	-	\$ -	\$ -
	Practice Athletic Field	Assumed no improvements					Practice Athletic Field	-	/EA	46,008.00	\$ -	\$ -
	Play Surface			65%	35%		Play Surface	-	/SY	28.40	\$ -	\$ -
<b>SITE</b>											<b>\$ 536,937</b>	<b>\$ 103,035</b>

**SUMMARY NOTES**  
 See Appendix A for comments and additional images.



# Building Exterior Zone A

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## BUILDING EXTERIOR Zone A

Roof A:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
Roof B:			0%	0%	0%	0%	Metal	-	/SF	25.60	\$ -	\$ -
Roof C:			0%	0%	0%	0%	Metal	-	/SF	25.60	\$ -	\$ -
Roof Edge:			0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
Window A:			0%	0%	0%	9%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 4,246
Window B:			0%	0%	0%	5%	Curtain Wall	-	/SF	142.00	\$ -	\$ 2,414
Window C:			0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
Entry Doors:			0%	0%	0%	100%	Entry doors:	-	/EA	4,260.00	\$ -	\$ 38,340
Service Door:			0%	0%	0%	100%	Service Doors:	-	/EA	5,680.00	\$ -	\$ 22,720
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
Walls:			0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$ -	\$ -
Soffits:			0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ -</b>	<b>\$ 67,720</b>

## SUMMARY NOTES

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# Building Exterior Zone B

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone B														
	Roof A:		0%	0%	0%	0%	EPDM	-	/SF	18.50	\$	-	\$	-
	Roof B:		0%	0%	0%	0%	Metal	-	/SF	25.60	\$	-	\$	-
	Roof C:		0%	0%	0%	0%	Metal	-	/SF	25.60	\$	-	\$	-
	Roof Edge:		0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$	-	\$	-
	Window A:		0%	0%	0%	9%	Aluminum Windows	-	/SF	92.30	\$	-	\$	2,400
	Window B:		0%	0%	0%	5%	Curtain Wall	-	/SF	142.00	\$	-	\$	2,698
	Window C:		0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$	-	\$	-
	Entry Doors:		0%	0%	0%	100%	Entry doors:	-	/EA	4,260.00	\$	-	\$	17,040
	Service Door:		0%	0%	0%	100%	Service Doors:	-	/EA	5,680.00	\$	-	\$	68,160
	O H Door:		0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$	-	\$	-
	Walls:		0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$	-	\$	-
	Soffits:		0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$	-	\$	-
	Canopies:		0%	0%	0%	0%	Canopies	-			\$	-	\$	-
<b>BUILDING EXTERIOR Zone B</b>											<b>\$</b>	<b>-</b>	<b>\$</b>	<b>90,298</b>

SUMMARY NOTES												



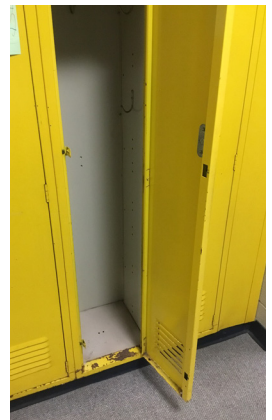
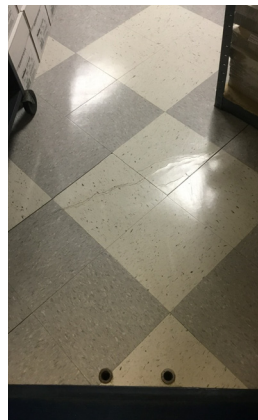
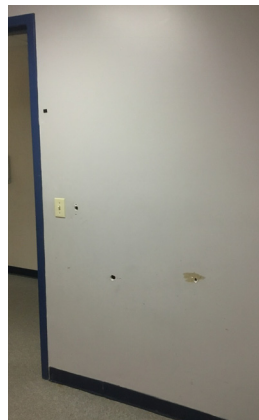
# Lobbies and Vestibules

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES													
	Floor/base Type A	CT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	\$ -	
	Floor/base Type B	VCT	0%	0%	0%	100%	Sheet Vinyl(Linoleum/Sheet Rubber)	-	/SF	15.70	\$	\$ -	
	Walls / paint	CMU	0%	0%	0%	100%	CMU	-	/SF	15.70	\$	\$ 4,270	
	CeilingType A	GB	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	\$ -	
	CeilingType B	ACT	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$	\$ -	
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	\$ -	
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	\$ -	
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	\$ -	
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	\$ 10,224	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	\$ -	
	Secure Entry						Create Secure Entry	1	Allow	35,500.00	\$	\$ 35,500	
<b>LOBBIES AND VESTIBULES</b>											<b>\$</b>	<b>\$ 35,500</b>	<b>\$ 14,494</b>

SUMMARY NOTES



# Corridors Stairs and Elevators

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## CORRIDORS STAIRS AND ELEVATORS

Floor/base Type A	CPT		8%	58%	33%	0%	Carpet	4,971	/SF	7.10	\$ 35,292	\$ 17,646
Floor/base Type B	CT		25%	0%	25%	50%	Ceramic Tile	118	/SF	21.30	\$ 2,503	\$ 7,508
Walls / paint	CMU		0%	6%	0%	19%	CMU	1,093	/SF	15.70	\$ 17,164	\$ 51,492
CeilingType A	ACT		0%	0%	31%	69%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 43,206
CeilingType B	GB		0%	0%	33%	67%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 4,913
Casework			32%	0%	68%	0%	Casework - Base/Wall	56	/LF	781.00	\$ 43,736	\$ 94,501
Display Board			0%	0%	100%	0%	Display Board	-	/LF	56.80	\$ -	\$ 1,022
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 10,224
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
<b>CORRIDORS STAIRS AND ELEVATORS</b>											<b>\$ 98,695</b>	<b>\$ 230,513</b>

## SUMMARY NOTES

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# Toilet Rooms

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## TOILET ROOMS

Floor/base Type A	CT		0%	0%	0%	33%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 10,269
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CT		0%	0%	0%	8%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 7,309
CeilingType A	GB		20%	0%	40%	40%	Gyp Bd.	279	/SF	14.20	\$ 3,965	\$ 15,859
CeilingType B	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 638
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Toilet Partitions			0%	0%	0%	100%	Toilet Partitions	-	/LF	177.50	\$ -	\$ 10,828
Toilet Accessories			0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 30,672
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	12	EA	710.00	\$ 8,520	\$ -
<b>TOILET ROOMS</b>											<b>\$ 12,485</b>	<b>\$ 75,575</b>

## SUMMARY NOTES

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# Classrooms

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CLASSROOMS												
	Floor/base Type A	CPT	21%	71%	0%	8%	Carpet	22,203	/SF	7.10	\$ 157,639	\$ 14,331
	Floor/base Type B	VCT	0%	0%	23%	77%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 12,910
	Walls / paint	GYP	0%	15%	0%	4%	Gyp. Bd.	4,988	/SF	12.80	\$ 63,850	\$ 15,963
	CeilingType A	ACT	0%	0%	54%	46%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 150,970
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		14%	0%	48%	38%	Casework - Base/Wall	78	/LF	781.00	\$ 60,918	\$ 367,070
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 21,584
	Window Treatment		0%	0%	96%	4%	Window Treatment	-	/LF	42.60	\$ -	\$ 10,224
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 56,232
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	3	EA	4,970.00	\$ 14,910	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	23	EA	710.00	\$ 16,330	\$ -
<b>CLASSROOMS</b>											<b>\$ 313,647</b>	<b>\$ 649,284</b>

SUMMARY NOTES												





# Art Rooms

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## ART ROOMS

	Floor/base Type A	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 5,654
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 5,654
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 43,736
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>ART ROOMS</b>											<b>\$ 710</b>	<b>\$ 57,601</b>

## SUMMARY NOTES

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# Music Rooms

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MUSIC ROOMS												
	Floor/base Type A	CPT	0%	100%	0%	0%	Carpet	1,024	/SF	7.10	\$ 7,270	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 5,837
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 34,364
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 454
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 383
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 5,112
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>MUSIC ROOMS</b>											<b>\$ 7,980</b>	<b>\$ 46,151</b>

SUMMARY NOTES												



# Computer Labs

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## COMPUTER LABS

Floor/base Type A	CPT		100%	0%	0%	0%	Carpet	810	/SF	7.10	\$ 5,751	\$ -
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 4,617
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 21,868
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 5,112
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>COMPUTER LABS</b>											<b>\$ 6,461</b>	<b>\$ 31,597</b>

## SUMMARY NOTES

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# Gymnasiums

Horizon Elementary School

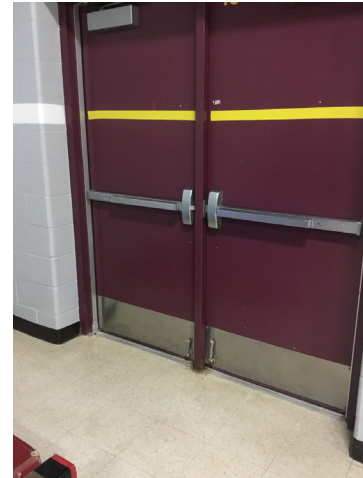
ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## GYMNASIUMS

	Floor/base Type A	WDG	0%	100%	0%	0%	Wood Gym Floor	4,346	/SF	18.50	\$ 80,401	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	EXP	0%	0%	0%	0%	Exposed	-	/SF	2.20	\$ -	\$ -
	CeilingType B	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Gym Equipment		0%	0%	0%	0%	Gym Equipment	-	EA	3,550.00	\$ -	\$ -
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 20,448
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>GYMNASIUMS</b>											<b>\$ 81,111</b>	<b>\$ 20,448</b>

## SUMMARY NOTES

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# Media Center

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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**MEDIA CENTER**

Floor/base Type A	CPT		0%	100%	0%	0%	Carpet	2,540	/SF	7.10	\$ 18,034	\$ -
Floor/base Type B	VCT		0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 1,710
Walls / paint	CMU		0%	0%	0%	33%	CMU	-	/SF	15.70	\$ -	\$ 14,339
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 16,188
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	77%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 56,232
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 7,668
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	3	EA	710.00	\$ 2,130	\$ -
<b>MEDIA CENTER</b>											<b>\$ 20,164</b>	<b>\$ 96,137</b>

**SUMMARY NOTES**



# Auditorium

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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AUDITORIUM												
	Floor/base Type A	WDG	100%	0%	0%	0%	Wood Gym Floor	280	/SF	18.50	\$ 5,180	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 1,596
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ -
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	-	EA	710.00	\$ -	\$ -
<b>AUDITORIUM</b>											<b>\$ 5,180</b>	<b>\$ 1,596</b>

SUMMARY NOTES												

# Kitchen / Servery

Horizon Elementary School

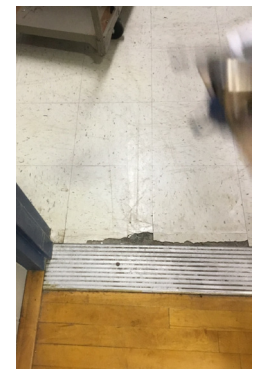
ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## KITCHEN / SERVERY

	Floor/base Type A	CT	0%	0%	0%	100%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 12,780
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 3,420
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ -
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>KITCHEN / SERVERY</b>											<b>\$ 710</b>	<b>\$ 16,200</b>

## SUMMARY NOTES

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# Offices

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## OFFICES

	Floor/base Type A	CPT	14%	29%	57%	0%	Carpet	759	/SF	7.10	\$ 5,392	\$ 7,189
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	29%	CMU	-	/SF	15.70	\$ -	\$ 22,895
	CeilingType A	ACT	7%	0%	21%	71%	Acoust. Ceiling & Grid	127	/SF	5.70	\$ 721	\$ 9,379
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 20,306
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 625
	Window Treatment		0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ 1,235
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 35,784
	Space Lacks 2nd Means of egress						2nd means of egress	1	EA	7,100.00	\$ 7,100	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	13	EA	710.00	\$ 9,230	\$ -
<b>OFFICES</b>											<b>\$ 22,443</b>	<b>\$ 97,413</b>

## SUMMARY NOTES

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# Staff Spaces

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## STAFF SPACES

Floor/base Type A	VCT		0%	20%	80%	0%	Vinyl Tile	275	/SF	5.70	\$ 1,566	\$ 6,265
Floor/base Type B	CPT		0%	0%	100%	0%	Carpet	-	/SF	7.10	\$ -	\$ 1,569
Walls / paint	CMU		0%	0%	0%	17%	CMU	-	/SF	15.70	\$ -	\$ 8,750
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 6,686
CeilingType B	EXP		0%	0%	0%	100%	Exposed	-	/SF	2.20	\$ -	\$ 928
Casework			0%	0%	51%	49%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 80,443
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ 682
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 15,336
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	1	EA	4,970.00	\$ 4,970	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	5	EA	710.00	\$ 3,550	\$ -
<b>STAFF SPACES</b>											<b>\$ 10,086</b>	<b>\$ 120,660</b>

## SUMMARY NOTES

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# Mechanical Electrical and Storage Rooms

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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**MECHANICAL ELECTRICAL AND STORAGE ROOMS**

	Floor/base Type A	VCT	33%	0%	67%	0%	Vinyl Tile	363	/SF	5.70	\$ 2,071	\$ 4,142
	Floor/base Type B	CONC	0%	0%	50%	17%	Conc	-	/SF	15.70	\$ -	\$ 11,367
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	EXP	0%	0%	0%	88%	Exposed	-	/SF	2.20	\$ -	\$ 3,708
	CeilingType B	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 1,425
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 9,372
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ 170
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 20,448
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	9	EA	710.00	\$ 6,390	\$ -
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$ 8,461</b>	<b>\$ 50,632</b>

**SUMMARY NOTES**

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# Custodial

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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**CUSTODIAL**

	Floor/base Type A	CONC	0%	0%	0%	0%	Conc	-	/SF	15.70	\$ -	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	EXP	0%	0%	0%	0%	Exposed	-	/SF	2.20	\$ -	\$ -
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>CUSTODIAL</b>											<b>\$ 710</b>	<b>\$ 2,556</b>

**SUMMARY NOTES**

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# Mechanical

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL												
	Controls System			X			Need updating	54,000	SF	\$ 2.82	\$ 152,280	\$ -
	Temperature Controls Upgrade			X			Needs some upgrading from Pneumatic to DDC	54,000	SF	\$ 2.82	\$ 152,280	\$ -
	Classroom HVAC Systems-VAV Coils			X			System needs updating w/ Cooling option. Cannot find parts for gas units.	22	EA	\$ 5,217.00	\$ 114,774	\$ -
	Gym HVAC					X		1	EA	\$ 120,132.00	\$ -	\$ 120,132
	Computer Lab HVAC					X	New ACCU on roof. Unit is in good working order.	1	EA	\$ 32,148.00	\$ -	\$ 32,148
	Media Center HVAC			X			System needs updating w/ Cooling option	1	EA	\$ 100,110.00	\$ 100,110	\$ -
	Boilers - Total Capacity					X	Good working order	2	EA	\$ 142,861.20	\$ -	\$ 285,722
	Boiler Pumps, VFDs, Tanks, Accessories					X	Good working order	2	EA	\$ 73,531.50	\$ -	\$ 147,063
	Boiler/HVAC Piping-Total					X	Good working order	1	EA	\$ 454,584.00	\$ -	\$ 454,584
	Chiller		X				Chiller Needs Replacing	1	EA	\$ 239,700.00	\$ 239,700	\$ -
	Water Treatment					X		1	EA	\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust						Installed in mid 2010's	1	EA	\$ 14,523.00	\$ -	\$ -
	Restroom Exhaust					X	Good working order	11	EA	\$ 4,935.00	\$ -	\$ 54,285
<b>MECHANICAL</b>											<b>\$ 759,144</b>	<b>\$ 1,121,570</b>

**SUMMARY NOTES**  
*The existing system is original (1993) and the AHU's are at end-of-life and need replacing. Heating and cooling are the number one concern for staff and maintenance alike. It has been stated by many staffers that it is either hot or cold with no affective controllability. Boilers are well maintained. HVAC controls are outdated and mostly pneumatic and do not communicate with the current BMS system.*

# Electrical

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ELECTRICAL												
	Site Lighting Pole Lights - Parking Lot & Building			X			Replace with LED	30	EA	\$ 1,692.00	\$ 50,760	\$ -
	Exterior building Lighting & Soffit			X			Replace with LED	40	EA	\$ 493.50	\$ 19,740	\$ -
	Exterior Lighting Controls			X			Replace with photocell	40	EA	\$ 70.50	\$ 2,820	\$ -
	Interior Lighting			X			Replace with LED	54,000	SF	\$ 8.46	\$ 456,840	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	54,000	SF	\$ 2.82	\$ 152,280	\$ -
	Classrooms/Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Public Address System			X			Needs to be Replaced/Upgraded	54,000	SF	\$ 3.53	\$ 190,350	\$ -
	Electrical Distribution			X			Will need to be upgraded if AC is added	54,000	SF	\$ 6.20	\$ 335,016	\$ -
	Distribution Panels and Panelboards					X	Replace old panels	3	EA	\$ 3,525.00	\$ -	\$ 10,575
	Fire Alarm System			X			Upgraded in 1994	54,000	SF	\$ 4.23	\$ 228,420	\$ -
<b>ELECTRICAL</b>											<b>\$ 1,436,226</b>	<b>\$ 10,575</b>

SUMMARY NOTES												
<p><i>All lighting (interior &amp; Exterior) should be changed to LED and proper controls added to maximize energy efficiency. The FA system has issues and needs to be updated. Main electrical service to the building is near capacity and needs upgrading.</i></p>												

# Plumbing

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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PLUMBING												
	Fire Suppression						Functional		EA	\$ 1.41	\$ -	\$ -
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)					X	Functional	48	EA	\$ 2,115.00	\$ -	\$ 101,520
	Roof Drains					X	Functional	28	EA	\$ 1,551.00	\$ -	\$ 43,428
	Water Fountains					X	Functional	12	EA	\$ 4,864.50	\$ -	\$ 58,374
	Floor Drains					X	Functional	18	EA	\$ 1,311.30	\$ -	\$ 23,603
	Kitchen Grease Trap						No operational issues	1	EA	\$ 35,250.00	\$ -	\$ -
	Kitchen Water Heater					X	Functional	1	EA	\$ 41,454.00	\$ -	\$ 41,454
	Well Pump						No operational issues	1	EA	\$ 4,935.00	\$ -	\$ -
	Water Softener						No operational issues	1	EA	\$ 32,289.00	\$ -	\$ -
	Water Heaters - Building						Functional - No capacity issues	1	EA	\$ 43,851.00	\$ -	\$ -
	Domestic HW/CW Piping						No galvanized piping.	1	EA	\$ 452,610.00	\$ -	\$ -
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,249
	Gas Piping - Total					X	No operational issues	2	EA	\$ 31,584.00	\$ -	\$ 63,168
	Recirculation Pump					X	No operational issues	2	EA	\$ 4,935.00	\$ -	\$ 9,870
										\$ 4,230.00	\$ -	\$ -
										<b>PLUMBING</b>	<b>\$ -</b>	<b>\$ 349,666</b>

SUMMARY NOTES												

# Technology

Horizon Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TECHNOLOGY												
	Building Technology							54,000	SF	\$ -	\$ -	\$ -
	Classroom Technology		100%				Ceiling Projectors & Smartboards	22	EA	\$ 3,243.00	\$ 71,346	\$ -
	Kids Chromebooks						Chromebooks		EA	\$ 493.50	\$ -	\$ -
	Teacher Laptops						MS based laptops w/ ROM drives		EA	\$ 564.00	\$ -	\$ -
	Safety & Security				100%		Main Entrance Door Buzzer System	7	EA	\$ 5,865.60	\$ -	\$ 41,059
	Video Surveillance		100%				One camera at the front entrance	6	EA	\$ 6,556.50	\$ 39,339	\$ -
<b>TECHNOLOGY</b>											<b>\$ 110,685</b>	<b>\$ 41,059</b>

**SUMMARY NOTES**  
*The building's server seems to be in good order and no issues were noted in the pre-walk meeting. Classroom technology is getting old with eight (8) projectors and six (6) smartboards need to be replaced. Teachers have requested Windows-based laptops with ROM for each teacher and a 1:1 ratio of Chromebooks to students. Building security seems to be in good order but there are no FOB's for secure entrance and there is only a single security lock system at the main entrance which requires someone in the main office to buzz people in. The building does have one (1) video surveillance cameras at the main entrance but could use additional for safety & Security. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Midway Early Learning Center Supporting Detail

4552 Spahr Avenue  
Holt, MI 48842

43,392 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1949  
*Year Built*



## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Midway Early Learning Center according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SITE												
	Fencing					100%	Fencing	-	/LF	14.20	\$ -	\$ 29,820
	Signage			100%			Signage	6	/EA	142.00	\$ 852	\$ -
	Grading/Lawn/Landscaping			100%			Lawn/Landscaping	1.00	/LS	71,000.00	\$ 71,000	\$ -
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Storm Sewer Piping/Structures/Detention			100%			Storm Sewer Piping/Structures	1	/LS	19,880.00	\$ 19,880	\$ -
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$ -	\$ -
	Concrete Curbs			100%			Concrete Curbs	850	/LF	35.50	\$ 30,175	\$ -
	HD Asphalt			100%			HD Asphalt	13,930	/SF	10.70	\$ 149,051	\$ -
	LD Asphalt			100%			LD Asphalt	57,500	/SF	7.10	\$ 408,250	\$ -
	Walks			100%			Concrete Walks	5,400	/SF	12.80	\$ 69,120	\$ -
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	1,100	/SF	28.40	\$ 31,240	\$ -
	Play Areas/Pathway			100%			LD Asphalt	16,530	/SF	7.10	\$ 117,363	\$ -
	Comp. Athletic Field	N/A					Comp. Athletic Field	-	/EA	-	\$ -	\$ -
	Practice Athletic Field	Assumed no improvements					Practice Athletic Field	-	/EA	-	\$ -	\$ -
	Play Surface			100%			Play Surface	1,045	/SY	28.40	\$ 29,678	\$ -
<b>SITE</b>											<b>\$ 926,609</b>	<b>\$ 29,820</b>

SUMMARY NOTES
See Appendix A for comments and additional images.



# Building Exterior Zone A

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone A												
	Roof A:		0%	0%	100%	0%	EPDM	-	/SF	18.50	\$ -	\$ 438,450
	Roof B:		0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
	Roof C:		0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
	Roof Edge:		0%	0%	0%	100%	Metal Coping:	-	/LF	24.20	\$ -	\$ 24,200
	Window A:		0%	12%	0%	88%	Aluminum Windows	126	/SF	92.30	\$ 11,630	\$ 85,285
	Window B:		0%	100%	0%	0%	Curtain Wall	80	/SF	142.00	\$ 11,360	\$ -
	Window C:		0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
	Entry Doors:		0%	0%	0%	75%	Entry doors:	-	/EA	4,260.00	\$ -	\$ 25,560
	Service Door:		0%	50%	50%	0%	Service Doors:	1	/EA	5,680.00	\$ 5,680	\$ 5,680
	O H Door:		0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
	Walls:		0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$ -	\$ -
	Soffits:		0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
	Canopies:		0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ 28,670</b>	<b>\$ 579,175</b>

SUMMARY NOTES

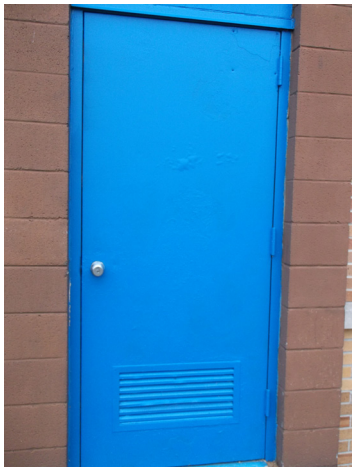


# Building Exterior Zone B

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
<b>BUILDING EXTERIOR Zone B</b>												
	Roof A:		0%	0%	100%	0%	PVC	-	/SF	22.80	\$ -	\$ 260,467
	Roof B:		0%	100%	0%	0%	EPDM	5,876	/SF	18.50	\$ 108,706	\$ -
	Roof C:		0%	0%	0%	0%	Metal	-	/SF	25.60	\$ -	\$ -
	Roof Edge:		0%	0%	0%	62%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
	Window A:		0%	0%	0%	100%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 46,519
	Window B:		0%	0%	0%	100%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 7,015
	Window C:		0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
	Entry Doors:		0%	0%	100%	0%	Entry doors:	-	/EA	4,260.00	\$ -	\$ 8,520
	Service Door:		0%	0%	43%	57%	Service Doors:	-	/EA	5,680.00	\$ -	\$ 79,520
	O H Door:		0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
	Walls:		0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$ -	\$ -
	Soffits:		0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
	Canopies:		0%	0%	0%	0%	Canopies	-			\$ -	\$ -
<b>BUILDING EXTERIOR Zone B</b>											<b>\$ 108,706</b>	<b>\$ 402,041</b>

**SUMMARY NOTES**



# Lobbies and Vestibules

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES												
	Floor/base Type A	TZ	0%	50%	0%	0%	Terrazzo	54	/SF	42.60	\$ 2,300	\$ -
	Floor/base Type B	CT	0%	0%	0%	100%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 1,363
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 2,442
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 28,116
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Secure Entry						Create Secure Entry	1	Allow	35,500.00	\$ 35,500	\$ -
<b>LOBBIES AND VESTIBULES</b>											<b>\$ 37,800</b>	<b>\$ 31,922</b>

SUMMARY NOTES												

# Corridors Stairs and Elevators

Midway Early Learning Center

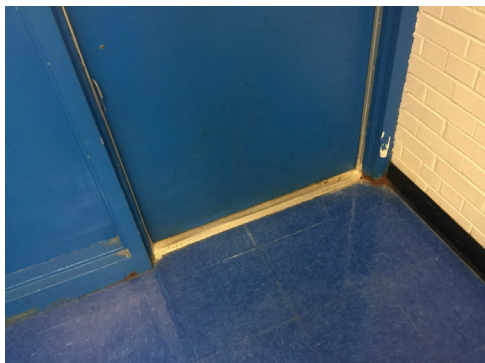
ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## CORRIDORS STAIRS AND ELEVATORS

Floor/base Type A	VCT	0%	0%	29%	71%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 22,646	
Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	-	\$ -	
Walls / paint	CMU	0%	0%	0%	14%	CMU	-	/SF	15.70	\$	-	\$ 20,223	
CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 22,646	
CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 1,590	
Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
Doors		0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ -	
Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
<b>CORRIDORS STAIRS AND ELEVATORS</b>											\$	-	\$ <b>67,106</b>

## SUMMARY NOTES

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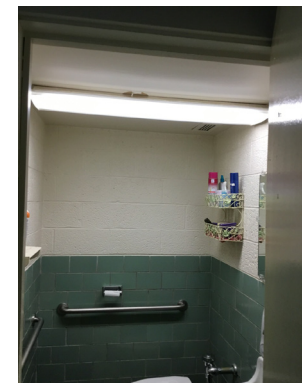
# Toilet Rooms

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TOILET ROOMS												
	Floor/base Type A	CT	0%	10%	20%	10%	Ceramic Tile	75	/SF	21.30	\$ 1,602	\$ 4,805
	Floor/base Type B	VCT	0%	0%	17%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	13%	0%	6%	CMU	502	/SF	15.70	\$ 7,881	\$ 3,941
	CeilingType A	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 11,601
	CeilingType B	12x	0%	80%	20%	0%	12x12 Acoust. Tile	171	/SF	5.70	\$ 976	\$ 244
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 8,591
	Toilet Partitions		0%	0%	38%	62%	Toilet Partitions	-	/LF	177.50	\$ -	\$ 20,768
	Toilet Accessories		0%	0%	0%	100%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ 79,662
	Doors		0%	25%	0%	75%	Door (\$/ Leaf)	4	EA	2,556.00	\$ 10,224	\$ 30,672
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	4	EA	710.00	\$ 2,840	\$ -
<b>TOILET ROOMS</b>											<b>\$ 23,523</b>	<b>\$ 160,284</b>

SUMMARY NOTES												



# Classrooms

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CLASSROOMS												
	Floor/base Type A	CPT	0%	7%	64%	21%	Carpet	789	/SF	7.10	\$ 5,600	\$ 67,198
	Floor/base Type B	VCT	0%	0%	75%	25%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 33,636
	Walls / paint	GYP	0%	0%	0%	55%	Gyp. Bd.	-	/SF	12.80	\$ -	\$ 158,096
	CeilingType A	ACT	0%	0%	41%	59%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 96,951
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	68%	18%	14%	Casework - Base/Wall	408	/LF	781.00	\$ 318,648	\$ 149,952
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 31,354
	Window Treatment		0%	4%	36%	60%	Window Treatment	6	/LF	42.60	\$ 256	\$ 5,581
	Doors		0%	17%	0%	83%	Door (\$/ Leaf)	4	EA	2,556.00	\$ 10,224	\$ 51,120
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	2	EA	4,970.00	\$ 9,940	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	20	EA	710.00	\$ 14,200	\$ -
<b>CLASSROOMS</b>											<b>\$ 358,867</b>	<b>\$ 593,888</b>

SUMMARY NOTES												





# Music Rooms

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MUSIC ROOMS												
	Floor/base Type A	VCT	0%	0%	100%	0%	Carpet	-	/SF	7.10	\$ -	\$ 5,559
	Floor/base Type B	CPT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 4,463
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	100%	0%	0%	Casework - Base/Wall	32	/LF	781.00	\$ 24,992	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 5,112
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>MUSIC ROOMS</b>											<b>\$ 25,702</b>	<b>\$ 15,134</b>

SUMMARY NOTES												



# Gymnasiums

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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GYMNASIUMS												
	Floor/base Type A	VCT	0%	0%	0%	100%	Wood Gym Floor	-	/SF	18.50	\$ -	\$ 68,506
	Floor/base Type B	CPT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	CeilingType A	12x	0%	0%	100%	0%	Exposed	-	/SF	2.20	\$ -	\$ 4,682
	CeilingType B	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 8,978
	Lockers		0%	80%	0%	20%	Lockers	32	EA	177.50	\$ 5,680	\$ 1,420
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 2,272
	Gym Equipment		0%	0%	0%	100%	Gym Equipment	-	EA	3,550.00	\$ -	\$ 63,900
	Doors		0%	29%	0%	71%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ 12,780
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	1	EA	4,970.00	\$ 4,970	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$ 1,420	\$ -
<b>GYMNASIUMS</b>											<b>\$ 17,182</b>	<b>\$ 162,537</b>

SUMMARY NOTES												



# Media Center

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MEDIA CENTER														
	Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	-	\$ 7,043	
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ -	
	Walls / paint	CMU	0%	0%	0%	0%	Gyp. Bd.	-	/SF	12.80	\$	-	\$ -	
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 5,654	
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 46,860	
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 2,499	
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 256	
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 2,556	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710	\$ -	
<b>MEDIA CENTER</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>64,868</b>

SUMMARY NOTES												



# Kitchen / Servery

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## KITCHEN / SERVERY

	Floor/base Type A	CT	0%	0%	0%	100%	Ceramic Tile	-	/SF	21.30	\$	-	\$ 5,261	
	Floor/base Type B	VCT	0%	0%	0%	0%	Conc	-	/SF	15.70	\$	-	\$ -	
	Walls / paint	CMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$ -	
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 1,408	
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 7,668	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710	\$ -	
<b>KITCHEN / SERVERY</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>14,337</b>

## SUMMARY NOTES

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# Offices

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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**OFFICES**

Floor/base Type A	CPT		0%	0%	67%	33%	Carpet	-	/SF	7.10	\$ -	\$ 10,047
Floor/base Type B	VCT		0%	100%	0%	0%	Vinyl Tile	406	/SF	5.70	\$ 2,314	\$ -
Walls / paint	GYP		0%	0%	14%	71%	Gyp. Bd.	-	/SF	12.80	\$ -	\$ 40,199
CeilingType A	ACT		0%	0%	75%	25%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 7,781
CeilingType B	12x		0%	100%	0%	0%	12x12 Acoust. Tile	456	/SF	5.70	\$ 2,599	\$ -
Casework			0%	26%	0%	74%	Casework - Base/Wall	12	/LF	781.00	\$ 9,372	\$ 26,554
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 795
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 1,321
Doors			0%	14%	0%	86%	Door (\$/ Leaf)	1	EA	2,556.00	\$ 2,556	\$ 15,336
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	7	EA	710.00	\$ 4,970	\$ -
<b>OFFICES</b>											<b>\$ 21,811</b>	<b>\$ 102,032</b>

**SUMMARY NOTES**

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# Staff Spaces

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## STAFF SPACES

Floor/base Type A	VCT		0%	100%	0%	0%	Vinyl Tile	276	/SF	5.70	\$ 1,573	\$ -
Floor/base Type B	CPT		0%	0%	100%	0%	Carpet	-	/SF	7.10	\$ -	\$ 1,874
Walls / paint	CMU		0%	0%	0%	50%	CMU	-	/SF	15.70	\$ -	\$ 8,855
CeilingType A	ACT		0%	0%	50%	50%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 3,078
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 48,422
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 5,112
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	2	EA	710.00	\$ 1,420	\$ -
<b>STAFF SPACES</b>											<b>\$ 2,993</b>	<b>\$ 67,341</b>

## SUMMARY NOTES

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# Mechanical Electrical and Storage Rooms

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS												
	Floor/base Type A	CONC	0%	0%	0%	0%	Conc	-	/SF	15.70	\$ -	\$ -
	Floor/base Type B	CT	0%	50%	0%	50%	Ceramic Tile	123	/SF	21.30	\$ 2,620	\$ 2,620
	Walls / paint	CMU	0%	0%	25%	0%	CMU	-	/SF	15.70	\$ -	\$ 7,803
	CeilingType A	PL	0%	0%	0%	100%	Plaster	-	/SF	-	\$ -	\$ -
	CeilingType B	GB	0%	0%	50%	50%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 3,493
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 10,224
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$ 3,330</b>	<b>\$ 24,140</b>

SUMMARY NOTES												

# Custodial

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CUSTODIAL												
	Floor/base Type A	CONC	0%	0%	0%	100%	Conc	-	/SF	15.70	\$ -	\$ 6,374
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 5,765
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>CUSTODIAL</b>											<b>\$ 710</b>	<b>\$ 14,695</b>

SUMMARY NOTES												



# Mechanical

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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<b>MECHANICAL</b>												
	Controls System					X		43,392	SF	\$ 2.82	\$ -	\$ 122,365
	Temperature Controls Upgrade					X	Needs some upgrading from Pnumatic to DDC	43,392	SF	\$ 2.82	\$ -	\$ 122,365
	Classroom HVAC Systems			X			N/A	27	EA	\$ 17,625.00	\$ 475,875	\$ -
	Gym HVAC					X	25 years old - functional	1	EA	\$ 120,132.00	\$ -	\$ 120,132
	Computer Lab HVAC					X	RTU H/C - Functional	1	EA	\$ 32,148.00	\$ -	\$ 32,148
	Media Center HVAC						System needs updating w/ Cooling option	1	EA	\$ 100,110.00	\$ -	\$ -
	Boilers - Total Capacity					X	Gas Radiant Heat	1	EA	\$ 142,861.20	\$ -	\$ 142,861
	Boiler Pumps, VFDs, Tanks, Accessories					X	N/A	2	EA	\$ 73,531.50	\$ -	\$ 147,063
	Boiler/HVAC Piping-Total					X	N/A	2	EA	\$ 454,584.00	\$ -	\$ 909,168
	Water Treatment					X	N/A	1	EA	\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust							1	EA	\$ 14,523.00	\$ -	\$ -
	Restroom Exhaust			X			Installed in mid 2010's	10	EA	\$ 4,935.00	\$ 49,350	\$ -
<b>MECHANICAL</b>											<b>\$ 525,225</b>	<b>\$ 1,623,739</b>

**SUMMARY NOTES**  
*The existing system is old and outdated. Currently there are twelve (12) Frigidaire stand-alone units and six (6) window units which are inefficient and an energy waste. Other rooms have unit vents with no cooling capability.*

# Electrical

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ELECTRICAL												
	Site Lighting Pole Lights/Pole Like Lighting			X			Replace with LED	0	EA	\$1,692.00	\$ -	\$ -
	Exterior building Lighting			X			Replace with LED and Add More	15	EA	\$493.50	\$ 7,403	\$ -
	Exterior Lighting Controls			X			Replace with photocell	15	EA	\$70.50	\$ 1,058	\$ -
	Interior Lighting			X			Replace with LED	43,392	SF	\$8.46	\$ 367,096	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	43,392	SF	\$2.82	\$ 122,365	\$ -
	Classrooms/Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF			\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF			\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF			\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF			\$ -	\$ -
	Public Address System			X			Needs to be Replaced/Upgraded	43,392	SF	\$3.53	\$ 152,957	\$ -
	Electrical Distribution			X			Will need to be upgraded if AC is added	43,392	SF	\$6.20	\$ 269,204	\$ -
	Distribution Panels and Panelboards				X		Replace old panels	3	EA	\$3,525.00	\$ -	\$ 10,575
	Fire Alarm System							43,392	SF	\$4.23	\$ -	\$ -
<b>ELECTRICAL</b>											<b>\$ 920,083</b>	<b>\$ 10,575</b>

SUMMARY NOTES												
<p><i>All lighting (interior &amp; Exterior) should be changed to LED and proper controls added to maximize energy efficiency. The FA system seems to be in good order. Main electrical service to the building not sufficient to effectively feed the building and requires upgrading ASAP.</i></p>												

# Plumbing

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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PLUMBING												
	Fire Suppression	N/A					N/A		SF	\$ 1.41	\$ -	\$ -
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)		X				Restroom Lavatories and Mop sinks need replacement.	21	EA	\$ 2,115.00	\$ 44,415	\$ -
	Roof Drains					X	Functional	12	EA	\$ 1,551.00	\$ -	\$ 18,612
	Water Fountains		X				Functional	4	EA	\$ 4,864.50	\$ 19,458	\$ -
	Floor Drains				X		Occasional drain backup	8	EA	\$ 1,311.30	\$ -	\$ 10,490
	Kitchen Grease Trap					X	No operational issues	1	EA	\$ 35,250.00	\$ -	\$ 35,250
	Kitchen Water Heater					X	Functional	1	EA	\$ 41,454.00	\$ -	\$ 41,454
	Well Pump						No operational issues	1	EA	\$ 4,935.00	\$ -	\$ -
	Water Softener				X		No operational issues	1	EA	\$ 32,289.00	\$ -	\$ 32,289
	Water Heaters - Building					X	Functional - No capacity issues	3	EA	\$ 43,851.00	\$ -	\$ 131,553
	Domestic HW/CW Piping		X				Galvanized piping - water supply/leaks	1	EA	\$ 452,610.00	\$ 452,610	\$ -
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,249
	Gas Piping - Total					X	No operational issues	1	EA	\$ 31,584.00	\$ -	\$ 31,584
	Recirculation Pump							3	EA	\$ 4,935.00	\$ -	\$ -
	Outside Hose Bibbs							4	EA	\$ 4,230.00	\$ -	\$ -
<b>PLUMBING</b>											<b>\$ 516,483</b>	<b>\$ 309,481</b>

**SUMMARY NOTES**  
*There is zero fire suppression in the building. In any future addition, note will have to be taken to see if any fire suppression will be required. The galvanized pipes are leaky. There is a complaint of lack of hot water most of the time at the sinks. The bathroom fixtures are old and there is little to no availability of parts for these items when they fail.*

# Technology

Midway Early Learning Center

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TECHNOLOGY												
	Building Technology							43,392	SF	\$ -	\$ -	\$ -
	Classroom Technology				100%		Ceiling Projectors & Smartboards	8	EA	\$ 2,397.00	\$ -	\$ 19,176
	Kids Chromebooks						Chromebooks		EA	\$ 493.50	\$ -	\$ -
	Teacher Laptops						MS based laptops w/ ROM drives		EA	\$ 564.00	\$ -	\$ -
	Safety & Security				100%		Main Entrance Door Buzzer System	8	EA	\$ 5,865.60	\$ -	\$ 46,925
	Video Surveillance		100%				One camera at the front entrance	5	EA	\$ 6,556.50	\$ 32,783	\$ -
<b>TECHNOLOGY</b>											<b>\$ 32,783</b>	<b>\$ 66,101</b>

**SUMMARY NOTES**

*Classroom technology is sufficient for the building's needs. Teachers have requested Windows-based laptops with ROM for each teacher and a 1:1 ratio of Chromebooks to students. The building security seems to be in good order, but there are no FOB's for secure entrance at all exterior doors instead of the single security lock system at the main entrance which requires someone in the main office to buzz people in. The building does have one (1) video surveillance cameras at the main entrance but could use additional for safety & security. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Sycamore Elementary School Supporting Detail

4429 Sycamore Street  
Holt, MI 48842

50, 213 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1952  
*Year Built*

## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Sycamore Elementary School according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SITE												
	Fencing			50%		50%	Fencing	850	/LF	14.20	\$ 12,070	\$ 12,070
	Signage			100%			Signage	6	/EA	142.00	\$ 852	\$ -
	Grading/Lawn/Landscaping			100%			Lawn/Landscaping	1.00	/LS	71,000.00	\$ 71,000	\$ -
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Storm Sewer Piping/Structures/Detention	Assumed no improvements					Storm Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$ -	\$ -
	Concrete Curbs			100%			Concrete Curbs	450	/LF	35.50	\$ 15,975	\$ -
	HD Asphalt			100%			HD Asphalt	34,200	/SF	10.70	\$ 365,940	\$ -
	LD Asphalt			100%			LD Asphalt	11,400	/SF	7.10	\$ 80,940	\$ -
	Walks			100%			Concrete Walks	4,100	/SF	12.80	\$ 52,480	\$ -
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	320	/SF	28.40	\$ 9,088	\$ -
	Play Areas/Pathway			100%			LD Asphalt	12,900	/SF	7.10	\$ 91,590	\$ -
	Comp. Athletic Field	N/A					Comp. Athletic Field	-	/EA	-	\$ -	\$ -
	Practice Athletic Field	N/A					Practice Athletic Field	-	/EA	-	\$ -	\$ -
	Play Surface			100%			Play Surface	1,100	/SY	28.40	\$ 31,240	\$ -
<b>SITE</b>											<b>\$ 731,175</b>	<b>\$ 12,070</b>

SUMMARY NOTES
See Appendix A for comments and additional images.



# Building Exterior Zone A

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## BUILDING EXTERIOR Zone A

Roof A:			0%	0%	100%	0%	PVC	-	/SF	22.80	\$ -	\$ 497,952
Roof B:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
Roof C:			0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
Roof Edge:			0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
Window A:			0%	0%	36%	64%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 23,260
Window B:			0%	0%	100%	0%	Curtain Wall	-	/SF	142.00	\$ -	\$ 107,352
Window C:			0%	100%	0%	0%	Aluminum Windows	50	/SF	92.30	\$ 4,615	\$ -
Entry Doors:			0%	0%	0%	0%	Entry doors:	-	/EA	4,260.00	\$ -	\$ -
Service Door:			0%	33%	0%	67%	Service Doors:	3	/EA	5,680.00	\$ 17,040	\$ 34,080
O H Door:			33%	33%	33%	0%	Overhead Doors:	2	/EA	8,520.00	\$ 17,040	\$ 8,520
Walls:			2%	0%	0%	0%	Wall Rebuild:	100	/SF	28.40	\$ 2,840	\$ -
Soffits:			0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ 41,535</b>	<b>\$ 671,164</b>

## SUMMARY NOTES

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# Building Exterior Zone B

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone B												
	Roof A:		0%	0%	100%	0%	PVC	-	/SF	22.80	\$ -	\$ 308,256
	Roof B:		0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
	Roof C:		0%	0%	0%	0%	Metal	-	/SF	25.60	\$ -	\$ -
	Roof Edge:		0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
	Window A:		0%	50%	0%	0%	Aluminum Windows	125	/SF	92.30	\$ 11,538	\$ -
	Window B:		0%	71%	0%	0%	Curtain Wall	150	/SF	142.00	\$ 21,300	\$ -
	Window C:		0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
	Entry Doors:		0%	0%	0%	33%	Entry doors:	-	/EA	4,260.00	\$ -	\$ 17,040
	Service Door:		100%	0%	0%	0%	Service Doors:	6	/EA	5,680.00	\$ 34,080	\$ -
	O H Door:		0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
	Walls:		1%	0%	0%	0%	Wall Rebuild:	100	/SF	28.40	\$ 2,840	\$ -
	Soffits:		0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
	Canopies:		0%	0%	0%	0%	Canopies	-			\$ -	\$ -
<b>BUILDING EXTERIOR Zone B</b>											<b>\$ 69,758</b>	<b>\$ 325,296</b>

SUMMARY NOTES



# Building Exterior Zone C

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone C												
	Roof A:		0%	0%	0%	0%	Duro-Last ( )	-	/SF	22.80	\$ -	\$ -
	Roof B:		0%	0%	0%	0%	Duro-Last ( )	-	/SF	22.80	\$ -	\$ -
	Roof C:		0%	0%	0%	0%	Duro-Last ( )	-	/SF	22.80	\$ -	\$ -
	Roof Edge:		0%	100%	0%	0%	Metal Coping:	637	/LF	24.20	\$ 15,415	\$ -
	Window A:		0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
	Window B:		0%	0%	0%	0%	Curtain Wall	-	/SF	142.00	\$ -	\$ -
	Window C:		0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
	Entry Doors:		0%	50%	0%	50%	Entry doors:	2	/EA	4,260.00	\$ 8,520	\$ 8,520
	Service Door:		0%	100%	0%	0%	Service Doors:	2	/EA	5,680.00	\$ 11,360	\$ -
	O H Door:		0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
	Walls:		0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$ -	\$ -
	Soffits:		0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
	Canopies:		0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone C</b>											<b>\$ 35,295</b>	<b>\$ 8,520</b>

SUMMARY NOTES												



# Lobbies and Vestibules

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES														
	Floor/base Type A	CT	0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$	-	\$	
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$	
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$	
	CeilingType A	ACT	0%	50%	0%	50%	Acoust. Ceiling & Grid	95	/SF	5.70	\$	539	\$ 539	
	CeilingType B	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$	-	\$ 2,684	
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 15,336	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Secure Entry						Create Secure Entry	1	Allow	35,500.00	\$	35,500	\$ -	
<b>LOBBIES AND VESTIBULES</b>											<b>\$</b>	<b>36,039</b>	<b>\$</b>	<b>18,558</b>

SUMMARY NOTES												



# Corridors Stairs and Elevators

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## CORRIDORS STAIRS AND ELEVATORS

Floor/base Type A	VCT		17%	17%	0%	67%	Vinyl Tile	1,940	/SF	5.70	\$ 11,060	\$ 22,120
Floor/base Type B	CT		0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$ -	\$ -
Walls / paint	CMU		0%	14%	0%	86%	CMU	1,946	/SF	15.70	\$ 30,557	\$ 183,340
CeilingType A	ACT		0%	0%	29%	71%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 34,491
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	67%	33%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 15,336
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
<b>CORRIDORS STAIRS AND ELEVATORS</b>											<b>\$ 41,617</b>	<b>\$ 255,287</b>

## SUMMARY NOTES



# Toilet Rooms

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## TOILET ROOMS

Floor/base Type A	CT		0%	0%	0%	100%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 30,076
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	100%	CMU	-	/SF	15.70	\$ -	\$ 65,940
CeilingType A	ACT		0%	70%	0%	30%	Acoust. Ceiling & Grid	988	/SF	5.70	\$ 5,634	\$ 2,415
CeilingType B	GB		0%	50%	25%	25%	Gyp Bd.	706	/SF	14.20	\$ 10,025	\$ 10,025
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Toilet Partitions			0%	80%	0%	20%	Toilet Partitions	90	/LF	177.50	\$ 15,975	\$ 3,905
Toilet Accessories			0%	0%	0%	100%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ 147,254
Doors			0%	11%	89%	0%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ 40,896
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	17	EA	710.00	\$ 12,070	\$ -
<b>TOILET ROOMS</b>											<b>\$ 48,816</b>	<b>\$ 300,510</b>

## SUMMARY NOTES

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# Classrooms

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## CLASSROOMS

Floor/base Type A	CPT		0%	71%	29%	0%	Carpet	8,510	/SF	7.10	\$ 60,422	\$ 25,176
Floor/base Type B	VCT		15%	31%	54%	0%	Vinyl Tile	4,937	/SF	5.70	\$ 28,141	\$ 32,831
Walls / paint	CMU		0%	0%	0%	100%	CMU	-	/SF	15.70	\$ -	\$ 375,042
CeilingType A	ACT		0%	12%	60%	28%	Acoust. Ceiling & Grid	2,730	/SF	5.70	\$ 15,563	\$ 114,129
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	80%	20%	0%	Casework - Base/Wall	550	/LF	781.00	\$ 429,550	\$ 104,654
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	59%	41%	Window Treatment	-	/LF	42.60	\$ -	\$ 8,733
Doors			0%	37%	63%	0%	Door (\$/ Leaf)	10	EA	2,556.00	\$ 25,560	\$ 43,452
Space Lacks 2nd Means of egress							2nd means of egress	11	EA	7,100.00	\$ 78,100	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	25	EA	710.00	\$ 17,750	\$ -
<b>CLASSROOMS</b>											<b>\$ 655,086</b>	<b>\$ 704,017</b>

## SUMMARY NOTES



# Computer Labs

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## COMPUTER LABS

	Floor/base Type A	CPT	0%	100%	0%	0%	Carpet	924	/SF	7.10	\$ 6,560	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	100%	CMU	-	/SF	15.70	\$ -	\$ 15,323
	CeilingType A	ACT	100%	0%	0%	0%	Acoust. Ceiling & Grid	924	/SF	5.70	\$ 5,267	\$ -
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 15,620
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 909
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>COMPUTER LABS</b>											<b>\$ 12,537</b>	<b>\$ 34,408</b>

## SUMMARY NOTES

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# Gymnasiums

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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GYMNASIUMS												
	Floor/base Type A	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 15,390
	Floor/base Type B	CONC	0%	0%	0%	0%	Conc	-	/SF	15.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	EXP	0%	0%	0%	0%	Exposed	-	/SF	2.20	\$ -	\$ -
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Gym Equipment		0%	0%	0%	0%	Gym Equipment	-	EA	3,550.00	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 12,780
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	-	EA	710.00	\$ -	\$ -
<b>GYMNASIUMS</b>											<b>\$ -</b>	<b>\$ 28,170</b>

SUMMARY NOTES												





# Media Center

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
<b>MEDIA CENTER</b>												
	Floor/base Type A	CPT	0%	100%	0%	0%	Carpet	1,830	/SF	7.10	\$ 12,993	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	100%	CMU	-	/SF	15.70	\$ -	\$ 22,859
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 10,431
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 5,112
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>MEDIA CENTER</b>											<b>\$ 13,703</b>	<b>\$ 38,402</b>

**SUMMARY NOTES**



# Cafeteria

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CAFETERIA												
	Floor/base Type A	VCT	0%	100%	0%	0%	Vinyl Tile	2,129	/SF	5.70	\$ 12,135	\$ -
	Floor/base Type B	SV	0%	0%	0%	100%	Sheet Vinyl(Linoleum/Sheet Rubber)	-	/SF	15.70	\$ -	\$ 33,425
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 12,135
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 15,336
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	-	EA	710.00	\$ -	\$ -
<b>CAFETERIA</b>											<b>\$ 12,135</b>	<b>\$ 60,897</b>

SUMMARY NOTES



# Offices

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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OFFICES												
	Floor/base Type A	CPT	0%	60%	40%	0%	Carpet	899	/SF	7.10	\$ 6,386	\$ 4,257
	Floor/base Type B	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 1,140
	Walls / paint	CMU	0%	0%	17%	67%	CMU	-	/SF	15.70	\$ -	\$ 43,751
	CeilingType A	ACT	0%	17%	50%	33%	Acoust. Ceiling & Grid	283	/SF	5.70	\$ 1,614	\$ 8,070
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 34,364
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 909
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 1,534
	Doors		0%	33%	67%	0%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ 10,224
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	6	EA	710.00	\$ 4,260	\$ -
<b>OFFICES</b>											<b>\$ 17,372</b>	<b>\$ 104,248</b>

SUMMARY NOTES												



# Staff Spaces

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## STAFF SPACES

Floor/base Type A	VCT	0%	50%	50%	0%	Vinyl Tile	600	/SF	5.70	\$	3,420	\$ 3,420	
Floor/base Type B	CPT	0%	50%	50%	0%	Carpet	481	/SF	7.10	\$	3,412	\$ 3,412	
Walls / paint	CMU	0%	0%	17%	83%	CMU	-	/SF	15.70	\$	-	\$ 63,271	
CeilingType A	ACT	0%	0%	50%	50%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 12,318	
CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework		0%	25%	75%	0%	Casework - Base/Wall	21	/LF	781.00	\$	16,401	\$ 49,203	
Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 511	
Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 1,534	
Doors		0%	20%	20%	60%	Door (\$/ Leaf)	1	EA	2,556.00	\$	2,556	\$ 10,224	
Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside						Secure corridor doors	5	EA	710.00	\$	3,550	\$ -	
<b>STAFF SPACES</b>											<b>\$</b>	<b>29,339</b>	<b>\$</b> 143,892

## SUMMARY NOTES

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# Mechanical Electrical and Storage Rooms

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS												
	Floor/base Type A	VCT	0%	83%	17%	0%	Vinyl Tile	949	/SF	5.70	\$ 5,410	\$ 1,082
	Floor/base Type B	CONC	0%	0%	0%	0%	Conc	-	/SF	15.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	14%	CMU	-	/SF	15.70	\$ -	\$ 7,567
	CeilingType A	ACT	0%	20%	60%	20%	Acoust. Ceiling & Grid	292	/SF	5.70	\$ 1,666	\$ 6,662
	CeilingType B	PL	0%	50%	0%	50%	Plaster	731	/SF	-	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	13%	88%	0%	Door (\$/ Leaf)	1	EA	2,556.00	\$ 2,556	\$ 17,892
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	7	EA	710.00	\$ 4,970	\$ -
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$ 14,602</b>	<b>\$ 33,204</b>

SUMMARY NOTES												

# Mechanical

Sycamore Elementary School

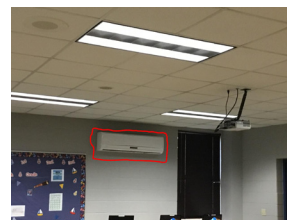
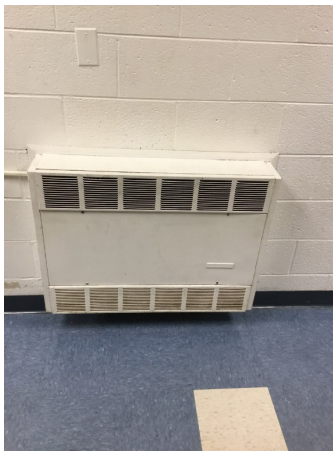
ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## MECHANICAL

	Controls System					X	VRF System does not tie into BMS system	50,213	SF	\$ 2.82	\$ -	\$ 141,601
	Temperature Controls Upgrade					X		50,213	SF	\$ 2.82	\$ -	\$ 141,601
	Classroom HVAC Systems		X				System needs updating w/ Cooling option. Cannot find parts for gas units.	6	EA	\$ 32,148.00	\$ 192,888	\$ -
	Gym HVAC					X	Heating only. Would like to add cooling.	1	EA	\$ 120,132.00	\$ -	\$ 120,132
	Computer Lab HVAC					X	Unit is in good working order.	1	EA	\$ 32,148.00	\$ -	\$ 32,148
	Media Center HVAC					X	System	1	EA	\$ 100,110.00	\$ -	\$ 100,110
	Boilers - Total Capacity					X	Good working order	2	EA	\$ 142,861.20	\$ -	\$ 285,722
	Boiler Pumps, VFDs, Tanks, Accessories					X	Good working order	2	EA	\$ 73,531.50	\$ -	\$ 147,063
	Boiler/HVAC Piping-Total					X	Good working order	1	EA	\$ 454,584.00	\$ -	\$ 454,584
	Water Treatment					X		1		\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust						Installed in mid 2010's	1	EA	\$ 14,523.00	\$ -	\$ -
	Restroom Exhaust					X	Good working order	10	EA	\$ 4,935.00	\$ -	\$ 49,350
<b>MECHANICAL</b>											<b>\$ 192,888</b>	<b>\$ 1,499,947</b>

## SUMMARY NOTES

Half of the building is on old unit vents that need replacing and the other is on a VRF system which offers climate control per room (Heating & Cooling). Classrooms not on the LG VRF system will need to be converted to that system or upgraded to a different system that offers both heating and cooling. The mechanical system on a whole is well maintained and in good working order. However, the VRF system does NOT communicate with the JCI Tridium system and cannot be seen on that system for monitoring or control.



# Electrical

Sycamore Elementary School

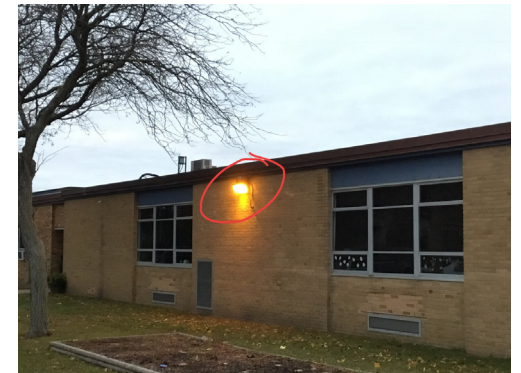
ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## ELECTRICAL

	Site Lighting Pole Lights/ Pole-type Lights			X			Replace with LED	5	EA	\$ 1,692.00	\$ 8,460	\$ -
	Exterior building Lighting			X			Replace with LED	11	EA	\$ 493.50	\$ 5,429	\$ -
	Exterior Lighting Controls			X			Replace with photocell	11	EA	\$ 70.50	\$ 776	\$ -
	Interior Lighting			X			Replace with LED	50,213	SF	\$ 8.46	\$ 424,802	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	50,213	SF	\$ 2.82	\$ 141,601	\$ -
	Classrooms/Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Public Address System			X			Needs to be Replaced/Upgraded	50,213	SF	\$ 3.53	\$ 177,001	\$ -
	Electrical Distribution		X					50,213	SF	\$ 6.20	\$ 311,521	\$ -
	Distribution Panels and Panelboards				X		Replace old panels	3	EA	\$ 3,525.00	\$ -	\$ 10,575
	Fire Alarm System						Upgraded in 1994	50,213	SF	\$ 4.23	\$ -	\$ -
<b>ELECTRICAL</b>											<b>\$ 1,069,589</b>	<b>\$ 10,575</b>

## SUMMARY NOTES

*There are no district owned exterior light poles. Currently the parking lots and playgrounds are lit via exterior building lighting. All lighting (interior & Exterior) should be changed to LED and proper controls added to maximize energy efficiency. The FA system is in good order, but the exterior FA devices could be updated. Main electrical service to the building is in good order.*



# Plumbing

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## PLUMBING

	Fire Suppression	N/A					N/A		EA	\$ 1.41	\$ -	\$ -
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)					X	Functional	26	EA	\$ 2,115.00	\$ -	\$ 54,990
	Roof Drains					X	Functional	10	EA	\$ 1,551.00	\$ -	\$ 15,510
	Water Fountains					X	Functional	4	EA	\$ 4,864.50	\$ -	\$ 19,458
	Floor Drains					X	Functional	10	EA	\$ 1,311.30	\$ -	\$ 13,113
	Kitchen Grease Trap						No operational issues - fairly new.	1	EA	\$ 35,250.00	\$ -	\$ -
	Kitchen Water Heater					X	Functional	1	EA	\$ 41,454.00	\$ -	\$ 41,454
	Mop Sinks					X	No operational issues	1	EA	\$ 4,935.00	\$ -	\$ 4,935
	Water Softener					X	No operational issues	1	EA	\$ 32,289.00	\$ -	\$ 32,289
	Water Heaters - Building					X	Functional - No capacity issues	2	EA	\$ 43,851.00	\$ -	\$ 87,702
	Domestic HW/CW Piping					X	No galvanized piping.	1	EA	\$ 452,610.00	\$ -	\$ 452,610
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,249
	Gas Piping - Total					X	No operational issues	1	EA	\$ 31,584.00	\$ -	\$ 31,584
	Outside Hose Bibs							5	EA	\$ 4,935.00	\$ -	\$ -
<b>PLUMBING</b>											<b>\$ -</b>	<b>\$ 761,894</b>

## SUMMARY NOTES

*There is zero fire suppression in the building. In any future addition, note will have to be taken to see if any fire suppression will be required.*





# Technology

Sycamore Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TECHNOLOGY												
	Building Technology							50,213	SF	\$ 1.41	\$ -	\$ -
	Classroom Technology				100%		Ceiling Projectors & Smartboards	27	EA	\$ 3,243.00	\$ -	\$ 87,561
	Kids Chromebooks						Chromebooks		EA	\$ 493.50		
	Teacher Laptops						MS based laptops w/ ROM drives		EA	\$ 564.00		
	Safety & Security				100%		Main Entrance Door Buzzer System	9	EA	\$ 5,865.60	\$ -	\$ 52,790
	Video Surveillance					100%	One camera at the front entrance	6	EA	\$ 6,556.50	\$ -	\$ 39,339
<b>TECHNOLOGY</b>											\$ -	\$ 179,690

**SUMMARY NOTES**  
*The building's server seems to be in good order and no issues were noted in the pre-walk meeting. Classroom technology is mostly smartboards and are in good/fair condition but may be on the side of being outdated. Teachers have requested Windows-based laptops with ROM for each teacher and a 1:1 ratio of Chromebooks to students. Building security system seems to be in good order as well, but there are no FOB's for secure entrance and there is only a single security lock system at the main entrance which requires someone in the main office to buzz people in. The building does have one (1) video surveillance camera at the main entrance but could use additional for safety & Security. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Wilcox Elementary School Supporting Detail

1650 Laurelwood Road  
Holt, MI 48842

46,465 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1968  
*Year Built*

## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Wilcox Elementary School according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SITE												
	Fencing	Assumed no improvements					Fencing	-	/LF	14.20	\$ -	\$ -
	Signage			100%			Signage	6	/EA	142.00	\$ 852	\$ -
	Grading/Lawn/Landscaping	Includes ditching		100%			Lawn/Landscaping	1.00	/LS	92,300.00	\$ 92,300	\$ -
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Storm Sewer Piping/Structures/Detention			100%			Storm Sewer Piping/Structures	1	/LS	28,400.00	\$ 28,400	\$ -
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$ -	\$ -
	Concrete Curbs			100%			Concrete Curbs	200	/LF	35.50	\$ 7,100	\$ -
	HD Asphalt			100%			HD Asphalt	1,500	/SF	10.70	\$ 16,050	\$ -
	LD Asphalt			100%			LD Asphalt	29,000	/SF	7.10	\$ 205,900	\$ -
	Walks			100%			Concrete Walks	6,600	/SF	12.80	\$ 84,480	\$ -
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	500	/SF	28.40	\$ 14,200	\$ -
	Play Areas/Pathway			100%			LD Asphalt	4,550	/SF	7.10	\$ 32,305	\$ -
	Comp. Athletic Field	N/A					Comp. Athletic Field	-	/EA	-	\$ -	\$ -
	Practice Athletic Field	Replace backstop		100%			Practice Athletic Field	1	/EA	14,200.00	\$ 14,200	\$ -
	Play Surface			100%			Play Surface	1,200	/SY	28.40	\$ 34,080	\$ -
<b>SITE</b>											<b>\$ 529,867</b>	<b>\$ -</b>

**SUMMARY NOTES**  
 See Appendix A for comments and additional images.

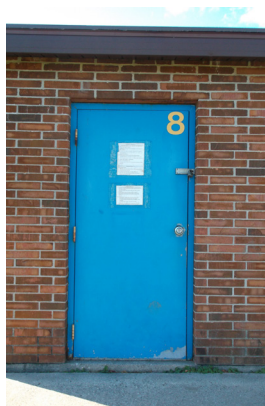


# Building Exterior Zone A

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
<b>BUILDING EXTERIOR Zone A</b>												
	Roof A:		0%	0%	0%	100%	PVC	-	/SF	22.80	\$ -	\$ 929,100
	Roof B:		0%	0%	0%	100%	PVC	-	/SF	22.80	\$ -	\$ 35,340
	Roof C:		0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
	Roof Edge:		0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
	Window A:		0%	0%	76%	24%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 75,317
	Window B:		0%	0%	100%	0%	Curtain Wall	-	/SF	142.00	\$ -	\$ 24,992
	Window C:		0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
	Entry Doors:		0%	63%	13%	25%	Entry doors:	10	/EA	4,260.00	\$ 42,600	\$ 25,560
	Service Door:		0%	43%	29%	29%	Service Doors:	3	/EA	5,680.00	\$ 17,040	\$ 22,720
	O H Door:		0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
	Walls:		0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$ -	\$ -
	Soffits:		0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
	Canopies:		0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ 59,640</b>	<b>\$ 1,113,029</b>

**SUMMARY NOTES**



# Lobbies and Vestibules

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES												
Floor/base Type A	CT		0%	33%	0%	0%	Ceramic Tile	151	/SF	21.30	\$ 3,209	\$ -
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	33%	0%	CMU	-	/SF	15.70	\$ -	\$ 6,280
CeilingType A	GB		0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 3,720
CeilingType B	EXP		0%	0%	100%	0%	Exposed	-	/SF	2.20	\$ -	\$ 418
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	33%	0%	67%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ 10,224
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Secure Entry							Create Secure Entry	1	Allow	35,500.00	\$ 35,500	\$ -
<b>LOBBIES AND VESTIBULES</b>											<b>\$ 43,821</b>	<b>\$ 20,642</b>

SUMMARY NOTES



# Corridors Stairs and Elevators

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## CORRIDORS STAIRS AND ELEVATORS

Floor/base Type A	TZ	0%	0%	0%	0%	Terrazzo	-	/SF	42.60	\$	-	\$ -		
Floor/base Type B	CT	0%	67%	0%	33%	Ceramic Tile	72	/SF	21.30	\$	1,534	\$ 767		
Walls / paint	CMU	0%	11%	0%	0%	CMU	1,558	/SF	15.70	\$	24,454	\$ -		
CeilingType A	ACT	0%	0%	89%	11%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 35,739		
CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -		
Casework		0%	100%	0%	0%	Casework - Base/Wall	16	/LF	781.00	\$	12,496	\$ -		
Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 18,176		
Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -		
Doors		0%	50%	13%	38%	Door (\$/ Leaf)	4	EA	2,556.00	\$	10,224	\$ 10,224		
Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -		
Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -		
Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -		
<b>CORRIDORS STAIRS AND ELEVATORS</b>											<b>\$</b>	<b>48,707</b>	<b>\$</b>	<b>64,906</b>

**SUMMARY NOTES**



# Toilet Rooms

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TOILET ROOMS												
	Floor/base Type A	CT	0%	0%	0%	9%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 2,558
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	27%	18%	9%	45%	Acoust. Ceiling & Grid	600	/SF	5.70	\$ 3,423	\$ 4,107
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	8%	28%	64%	Casework - Base/Wall	10	/LF	781.00	\$ 7,810	\$ 84,348
	Toilet Partitions		0%	0%	0%	0%	Toilet Partitions	-	/LF	177.50	\$ -	\$ -
	Toilet Accessories		0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ -
	Doors		0%	0%	11%	89%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 23,004
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	9	EA	710.00	\$ 6,390	\$ -
<b>TOILET ROOMS</b>											<b>\$ 17,623</b>	<b>\$ 114,017</b>

SUMMARY NOTES												





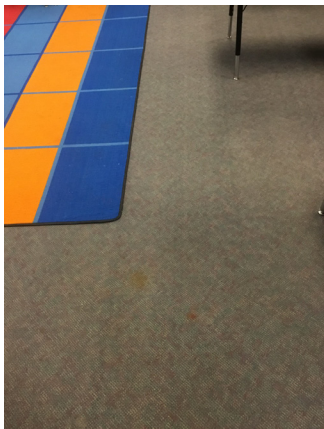
# Classrooms

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CLASSROOMS												
	Floor/base Type A	CPT	0%	36%	59%	5%	Carpet	5,401	/SF	7.10	\$ 38,347	\$ 67,108
	Floor/base Type B	VCT	0%	0%	33%	67%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 10,979
	Walls / paint	CMU	0%	0%	0%	14%	CMU	-	/SF	15.70	\$ -	\$ 42,133
	CeilingType A	ACT	0%	0%	95%	5%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 95,640
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	89%	11%	0%	Casework - Base/Wall	256	/LF	781.00	\$ 199,936	\$ 24,992
	Display Board		0%	5%	0%	53%	Display Board	30	/LF	56.80	\$ 1,704	\$ 19,312
	Window Treatment		0%	0%	86%	14%	Window Treatment	-	/LF	42.60	\$ -	\$ 5,495
	Doors		0%	13%	30%	57%	Door (\$/ Leaf)	3	EA	2,556.00	\$ 7,668	\$ 51,120
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	22	EA	710.00	\$ 15,620	\$ -
<b>CLASSROOMS</b>											<b>\$ 263,275</b>	<b>\$ 316,780</b>

SUMMARY NOTES



# Art Rooms

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
<b>ART ROOMS</b>												
	Floor/base Type A	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 4,469
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 4,469
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	100%	0%	0%	Casework - Base/Wall	86	/LF	781.00	\$ 67,166	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	100%	0%	0%	Door (\$/ Leaf)	4	EA	2,556.00	\$ 10,224	\$ -
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>ART ROOMS</b>											<b>\$ 78,100</b>	<b>\$ 8,938</b>

**SUMMARY NOTES**



# Music Rooms

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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**MUSIC ROOMS**

Floor/base Type A	VCT		0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 7,342
Floor/base Type B	CPT		0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
Ceiling Type A	ACT		0%	100%	0%	0%	Acoust. Ceiling & Grid	1,288	/SF	5.70	\$ 7,342	\$ -
Ceiling Type B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 1,136
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	100%	0%	0%	Door (\$/ Leaf)	4	EA	2,556.00	\$ 10,224	\$ -
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	-	EA	710.00	\$ -	\$ -
<b>MUSIC ROOMS</b>											<b>\$ 17,566</b>	<b>\$ 8,478</b>

**SUMMARY NOTES**

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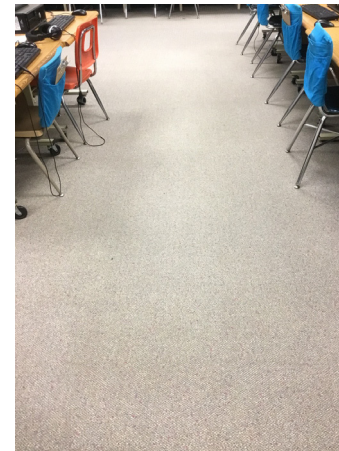
# Computer Labs

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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COMPUTER LABS												
	Floor/base Type A	CPT	0%	100%	0%	0%	Carpet	784	/SF	7.10	\$ 5,566	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	100%	0%	0%	Acoust. Ceiling & Grid	784	/SF	5.70	\$ 4,469	\$ -
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 23,430
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 682
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 5,112
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	-	EA	710.00	\$ -	\$ -
<b>COMPUTER LABS</b>											<b>\$ 10,035</b>	<b>\$ 29,224</b>

SUMMARY NOTES



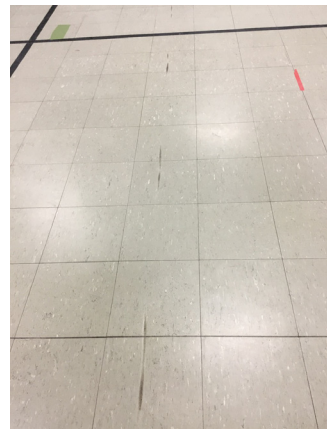
# Gymnasiums

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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GYMNASIUMS												
	Floor/base Type A	VCT	0%	100%	0%	0%	Vinyl Tile	2,304	/SF	5.70	\$ 13,133	\$ -
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	EXP	0%	0%	0%	100%	Exposed	-	/SF	2.20	\$ -	\$ 5,069
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Gym Equipment		0%	0%	0%	0%	Gym Equipment	-	EA	3,550.00	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>GYMNASIUMS</b>											<b>\$ 13,843</b>	<b>\$ 7,625</b>

SUMMARY NOTES



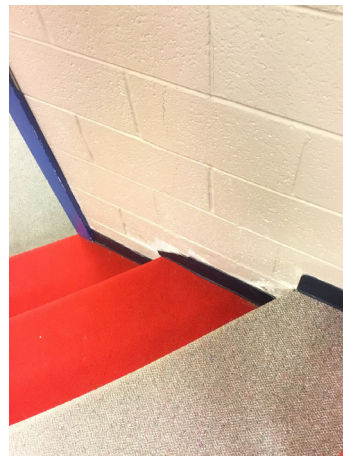
# Media Center

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MEDIA CENTER												
	Floor/base Type A	CPT	0%	100%	0%	0%	Carpet	852	/SF	7.10	\$ 6,049	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	100%	0%	0%	Acoust. Ceiling & Grid	852	/SF	5.70	\$ 4,856	\$ -
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 7,668
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>MEDIA CENTER</b>											<b>\$ 11,616</b>	<b>\$ 7,668</b>

SUMMARY NOTES



# Kitchen / Servery

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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KITCHEN / SERVERY												
Floor/base Type A	CT		0%	0%	0%	100%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 6,369
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 1,704
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ -
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	-	EA	710.00	\$ -	\$ -
<b>KITCHEN / SERVERY</b>											<b>\$ -</b>	<b>\$ 8,073</b>

SUMMARY NOTES



# Offices

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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OFFICES												
	Floor/base Type A	CPT	0%	33%	33%	33%	Carpet	386	/SF	7.10	\$ 2,741	\$ 5,481
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	44%	0%	0%	CMU	1,500	/SF	15.70	\$ 23,557	\$ -
	CeilingType A	ACT	0%	56%	44%	0%	Acoust. Ceiling & Grid	643	/SF	5.70	\$ 3,667	\$ 2,934
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 639
	Doors		0%	11%	56%	33%	Door (\$/ Leaf)	1	EA	2,556.00	\$ 2,556	\$ 20,448
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	8	EA	710.00	\$ 5,680	\$ -
<b>OFFICES</b>											<b>\$ 38,201</b>	<b>\$ 29,502</b>

SUMMARY NOTES





# Staff Spaces

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## STAFF SPACES

Floor/base Type A	CPT		0%	60%	20%	20%	Carpet	1,006	/SF	7.10	\$ 7,140	\$ 4,760
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	20%	0%	0%	CMU	566	/SF	15.70	\$ 8,892	\$ -
CeilingType A	ACT		0%	40%	60%	0%	Acoust. Ceiling & Grid	670	/SF	5.70	\$ 3,821	\$ 5,732
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 46,860
Display Board			0%	0%	100%	0%	Display Board	-	/LF	56.80	\$ -	\$ 341
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 256
Doors			0%	0%	20%	80%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 12,780
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	4	EA	710.00	\$ 2,840	\$ -
<b>STAFF SPACES</b>											<b>\$ 22,694</b>	<b>\$ 70,728</b>

## SUMMARY NOTES

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# Mechanical Electrical and Storage Rooms

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS												
Floor/base Type A	VCT		0%	67%	33%	0%	Vinyl Tile	831	/SF	5.70	\$ 4,739	\$ 2,369
Floor/base Type B	CONC		0%	0%	0%	0%	Conc	-	/SF	15.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	10%	10%	CMU	-	/SF	15.70	\$ -	\$ 10,808
CeilingType A	ACT		0%	67%	33%	0%	Acoust. Ceiling & Grid	693	/SF	5.70	\$ 3,948	\$ 1,974
CeilingType B	EXP		0%	0%	0%	0%	Exposed	-	/SF	2.20	\$ -	\$ -
Casework			0%	100%	0%	0%	Casework - Base/Wall	52	/LF	781.00	\$ 40,612	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	9%	18%	73%	Door (\$/ Leaf)	1	EA	2,556.00	\$ 2,556	\$ 25,560
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	10	EA	710.00	\$ 7,100	\$ -
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$ 58,955</b>	<b>\$ 40,711</b>

SUMMARY NOTES



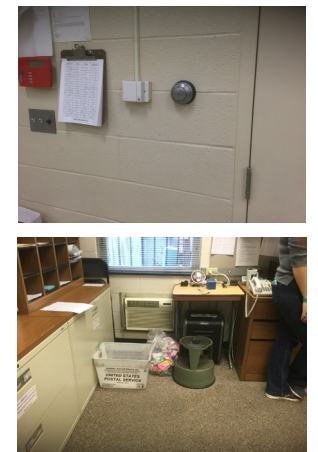
# Mechanical

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL												
	Controls System				X		Replace with fully functioning DDC with BACNet/BMS capabilities	46,465	SF	\$ 2.82	\$ -	\$ 131,031
	Temperature Controls Upgrade				X		Needs upgrading from Pnumatic to DDC	46,465	SF	\$ 2.82	\$ -	\$ 131,031
	Classroom HVAC Systems		X				System needs updating w/ Cooling option. 1994 Unit Vents.	25	EA	\$ 17,625.00	\$ 440,625	\$ -
	Gym HVAC				X		Make Up Air Units - Fair Condition	2	EA	\$ 120,132.00	\$ -	\$ 240,264
	Classroom Multizone Systems				X		Multizone units - Reaching End-of-Life	1	EA	\$ 129,015.00	\$ 129,015	\$ 129,015
	Kitchen & Media Center HVAC					X	RTU Type	5	EA	\$ 100,110.00	\$ -	\$ 500,550
	Boilers - Total Capacity						N/A		EA	\$ -	\$ -	\$ -
	Boiler Pumps, VFDs, Tanks, Accessories						N/A		EA	\$ -	\$ -	\$ -
	Boiler/HVAC Piping-Total						N/A		EA	\$ -	\$ -	\$ -
	Water Treatment						N/A			\$ -	\$ -	\$ -
	Kitchen Hood/Exhaust						Installed in mid 2010's	1	EA	\$ 14,523.00	\$ -	\$ -
	Restroom Exhaust					X	Functional	6	EA	\$ 4,935.00	\$ -	\$ 29,610
<b>MECHANICAL</b>											<b>\$ 569,640</b>	<b>\$ 1,161,502</b>

**SUMMARY NOTES**  
 Heating and cooling are the number one concern for staff and maintenance alike. Classrooms have unit vents with heating only. Existing unit vents, hot water piping, etc. need replacement with a system that includes cooling. Current VUV's are old and getting parts to fix issues is difficult as they are considered obsolete. The back "500" hallway has some cooling, but it works poorly. HVAC controls are outdated and do not communicate with any BMS system and need upgrading to DDC to be readable with the JCI Tridium system.



# Electrical

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ELECTRICAL												
	Site Lighting/ Pole-type Lighting			X			Replace with LED	7	EA	\$ 1,692.00	\$ 11,844	\$ -
	Exterior building Lighting			X			Replace with LED	17	EA	\$ 493.50	\$ 8,390	\$ -
	Exterior Lighting Controls			X			Replace with photocell	17	EA	\$ 70.50	\$ 1,199	\$ -
	Interior Lighting			X			Replace with LED	46,465	SF	\$ 8.46	\$ 393,094	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	46,465	SF	\$ 2.82	\$ 131,031	\$ -
	Classrooms/Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Public Address System			X			Needs to be Replaced/Upgraded	46,465	SF	\$ 3.53	\$ 163,789	\$ -
	Electrical Distribution		X				At capacity	46,465	SF	\$ 6.20	\$ 288,269	\$ -
	Distribution Panels and Panelboards				X		Replace old panels	3	EA	\$ 3,525.00	\$ -	\$ 10,575
	Fire Alarm System							46,465	SF	\$ 4.23	\$ -	\$ -
<b>ELECTRICAL</b>											<b>\$ 997,615</b>	<b>\$ 10,575</b>

**SUMMARY NOTES**  
*All lighting (interior & Exterior) should be changed to LED and proper controls added to maximize energy efficiency. The FA system is relatively new, but the exterior FA devices could be updated. Main electrical service to the building is in fair, working order (800 Amp service) but would require an upgrade if AC or another large system were added to the building's current load.*



# Plumbing

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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PLUMBING												
	Fire Suppression	N/A					N/A		EA	\$ 1.41	\$ -	\$ -
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)				X		Old but functional	56	EA	\$ 2,115.00	\$ -	\$ 118,440
	Roof Drains					X	No operational issues	18	EA	\$ 1,551.00	\$ -	\$ 27,918
	Water Fountains		X				At end of useful life.	6	EA	\$ 4,864.50	\$ 29,187	\$ -
	Floor Drains				X		Old but functional - occasional back-ups.	21	EA	\$ 1,311.30	\$ -	\$ 27,537
	Kitchen Grease Trap						No operational issues		EA	\$ 35,250.00	\$ -	\$ -
	Kitchen Water Heater						Newly replaced		EA	\$ 41,454.00	\$ -	\$ -
	Mop Sinks		X				Need replacement	1	EA	\$ 4,935.00	\$ 4,935	\$ -
	Water Softener								EA	\$ 32,289.00	\$ -	\$ -
	Water Heaters - Building		X				Need replacing	1	EA	\$ 43,851.00	\$ 43,851	\$ -
	Domestic HW/CW Piping		X				Need replacing	1	EA	\$ 452,610.00	\$ 452,610	\$ -
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,249
	Gas Piping - Total				X		Need replacing soon	1	EA	\$ 31,584.00	\$ -	\$ 31,584
	Recirculation Pump		X				Need replacing	1	EA	\$ 4,935.00	\$ 4,935	\$ -
<b>PLUMBING</b>											<b>\$ 535,518</b>	<b>\$ 213,728</b>

**SUMMARY NOTES**  
 There is zero fire suppression in the building. In any future addition, note will have to be taken to see if any fire suppression will be required. Much of the plumbing piping system is original and is a mix of copper and galvanized piping prone to leaking issues. Much of the original piping is under the slab and cannot be accessed for service or to check for issues. Much of the existing equipment is operational, but is either at or near its useful life.



# Technology

Wilcox Elementary School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TECHNOLOGY												
	Building Technology					100%		46,465	SF	\$ 1.41	\$ -	\$ 65,516
	Classroom Technology				100%		Ceiling Projectors & Smartboards	26	EA	\$ 3,243.00	\$ -	\$ 84,318
	Kids Chromebooks				100%		Chromebooks	8	EA	\$ 493.50	\$ -	\$ 3,948
	Teacher Laptops				100%		MS based laptops w/ ROM drives	26	EA	\$ 564.00	\$ -	\$ 14,664
	Safety & Security				100%		Main Entrance Door Buzzer System	7	EA	\$ 5,865.60	\$ -	\$ 41,059
	Video Surveillance					100%	One camera at the front entrance	5	EA	\$ 6,556.50	\$ -	\$ 32,783
<b>TECHNOLOGY</b>											<b>\$ -</b>	<b>\$ 242,287</b>

**SUMMARY NOTES**  
*The building's server seems to be in good order and no issues were noted in the pre-walk meeting. Classroom technology is mostly smartboards that are in good/fair condition but may be on the side of being outdated. Teachers have requested Windows-based laptops with ROM for each teacher and a 1:1 ratio of Chromebooks to students. Building security system seems to be in good order as well, but there are no FOB's for secure entrance and there is only a single security lock system at the main entrance which requires someone in the main office to buzz people in. The building does have one (1) video surveillance camera at the main entrance but could use additional for safety & Security. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Hope Middle School Supporting Detail

2020 Park Lane  
Holt, MI 48842

130,300 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1926  
*Year Built*

## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Hope Middle School according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.



# Site

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SITE												
	Fencing			100%			Fencing	1,400	/LF	14.20	\$ 19,880	\$ -
	Signage			100%			Signage	6	/EA	142.00	\$ 852	\$ -
	Grading/Lawn/Landscaping			100%			Lawn/Landscaping	1.00	/LS	30,672.00	\$ 30,672	\$ -
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Storm Sewer Piping/Structures/Detention	Assumed no improvements					Storm Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$ -	\$ -
	Concrete Curbs			100%			Concrete Curbs	830	/LF	35.50	\$ 29,465	\$ -
	HD Asphalt			100%			HD Asphalt	16,000	/SF	10.70	\$ 171,200	\$ -
	LD Asphalt			100%			LD Asphalt	36,000	/SF	7.10	\$ 255,600	\$ -
	Walks			50%		50%	Concrete Walks	3,600	/SF	12.80	\$ 46,080	\$ 46,080
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	1,800	/SF	28.40	\$ 51,120	\$ -
	Play Areas/Pathway	N/A					LD Asphalt	-	/SF	7.10	\$ -	\$ -
	Comp. Athletic Field	N/A					Comp. Athletic Field	-	/EA	-	\$ -	\$ -
	Practice Athletic Field			100%			Practice Athletic Field	1	/EA	46,008.00	\$ 46,008	\$ -
	Play Surface	N/A					Play Surface	-	/SY	28.40	\$ -	\$ -
<b>SITE</b>											<b>\$ 650,877</b>	<b>\$ 46,080</b>

**SUMMARY NOTES:**  
 See Appendix A for comments and additional images.



# Building Exterior Zone A

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## BUILDING EXTERIOR Zone A

Roof A:			0%	0%	100%	0%	EPDM	-	/SF	18.50	\$ -	\$ 1,022,310
Roof B:			0%	0%	31%	0%	Metal	-	/SF	25.60	\$ -	\$ 33,280
Roof C:			0%	0%	0%	0%	Metal	-	/SF	25.60	\$ -	\$ -
Roof Edge:			0%	0%	0%	102%	Metal Coping:	-	/LF	24.20	\$ -	\$ 31,034
Window A:			0%	67%	33%	0%	Aluminum Windows	64	/SF	92.30	\$ 5,907	\$ 2,954
Window B:			0%	0%	100%	0%	Curtain Wall	-	/SF	142.00	\$ -	\$ 40,896
Window C:			0%	0%	14%	86%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 75,594
Entry Doors:			0%	0%	2%	2%	Entry doors:	1	/EA	4,260.00	\$ 4,260	\$ 51,120
Service Door:			0%	9%	0%	91%	Service Doors:	1	/EA	5,680.00	\$ 5,680	\$ 56,800
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
Walls:			0%	2%	0%	0%	Wall Rebuild:	300	/SF	28.40	\$ 8,520	\$ -
Soffits:			0%	0%	51%	49%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ 2,804
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -

**BUILDING EXTERIOR Zone A \$ 24,367 \$ 1,316,792**

## SUMMARY NOTES

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# Building Exterior Zone B

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone B												
	Roof A:		0%	0%	100%	0%	EPDM	-	/SF	18.50	\$ -	\$ 943,500
	Roof B:		0%	0%	0%	0%	Metal	-	/SF	25.60	\$ -	\$ -
	Roof C:		0%	0%	0%	0%	Metal	-	/SF	25.60	\$ -	\$ -
	Roof Edge:		0%	0%	0%	100%	Metal Coping:	-	/LF	24.20	\$ -	\$ 24,442
	Window A:		0%	0%	100%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 25,844
	Window B:		0%	0%	100%	0%	Curtain Wall	-	/SF	142.00	\$ -	\$ 33,228
	Window C:		0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
	Entry Doors:		0%	31%	31%	38%	Entry doors:	4	/EA	4,260.00	\$ 17,040	\$ 38,340
	Service Door:		0%	0%	50%	50%	Service Doors:	-	/EA	5,680.00	\$ -	\$ 11,360
	O H Door:		0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
	Walls:		0%	1%	0%	0%	Wall Rebuild:	200	/SF	28.40	\$ 5,680	\$ -
	Soffits:		0%	0%	16%	84%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ 9,234
	Canopies:		0%	0%	0%	0%	Canopies	-			\$ -	\$ -
<b>BUILDING EXTERIOR Zone B</b>											<b>\$ 22,720</b>	<b>\$ 1,085,948</b>

SUMMARY NOTES												



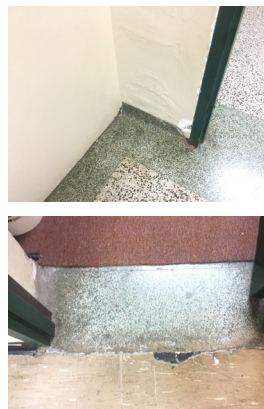
# Lobbies and Vestibules

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES												
	Floor/base Type A	TZ	0%	0%	0%	0%	Terrazzo	-	/SF	42.60	\$ -	\$ -
	Floor/base Type B	VCT	0%	100%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 1,505
	CeilingType B	GB	0%	0%	100%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 1,562
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	100%	0%	0%	Door (\$/ Leaf)	6	EA	2,556.00	\$ 15,336	\$ -
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Secure Entry						Create Secure Entry	1	Allow	35,500.00	\$ 35,500	\$ -
<b>LOBBIES AND VESTIBULES</b>											<b>\$ 50,836</b>	<b>\$ 3,067</b>

SUMMARY NOTES



# Corridors Stairs and Elevators

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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**CORRIDORS STAIRS AND ELEVATORS**

Floor/base Type A	VCT		0%	82%	18%	0%	Vinyl Tile	9,428	/SF	5.70	\$ 53,739	\$ 11,942
Floor/base Type B	TZ		0%	0%	0%	0%	Terrazzo	-	/SF	42.60	\$ -	\$ -
Walls / paint	GYP		0%	6%	19%	0%	Gyp. Bd.	1,649	/SF	12.80	\$ 21,107	\$ 63,322
CeilingType A	ACT		0%	33%	67%	0%	Acoust. Ceiling & Grid	6,280	/SF	5.70	\$ 35,796	\$ 71,592
CeilingType B	GB		0%	0%	100%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 852
Casework			0%	0%	55%	45%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 214,775
Display Board			0%	4%	38%	59%	Display Board	12	/LF	56.80	\$ 682	\$ 18,630
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	24%	76%	0%	Door (\$/ Leaf)	5	EA	2,556.00	\$ 12,780	\$ 40,896
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
<b>CORRIDORS STAIRS AND ELEVATORS</b>											<b>\$ 124,104</b>	<b>\$ 422,009</b>

SUMMARY NOTES												

# Toilet Rooms

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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**TOILET ROOMS**

Floor/base Type A	CT		0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$ -	\$ -
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	GB		0%	38%	19%	44%	Gyp Bd.	748	/SF	14.20	\$ 10,623	\$ 17,706
CeilingType B	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 479
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Toilet Partitions			0%	46%	54%	0%	Toilet Partitions	65	/LF	177.50	\$ 11,538	\$ 13,668
Toilet Accessories			0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ -
Doors			0%	13%	27%	60%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ 33,228
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	2	EA	4,260.00	\$ 8,520	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	3	EA	710.00	\$ 2,130	\$ -
<b>TOILET ROOMS</b>											<b>\$ 37,923</b>	<b>\$ 65,080</b>

**SUMMARY NOTES**

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# Classrooms

Hope Middle School

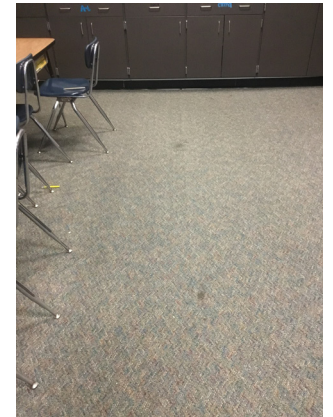
ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## CLASSROOMS

Floor/base Type A	CPT		0%	36%	60%	4%	Carpet	7,124	/SF	7.10	\$ 50,583	\$ 89,926
Floor/base Type B	VCT		50%	25%	25%	0%	Vinyl Tile	1,922	/SF	5.70	\$ 10,957	\$ 3,652
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	7%	93%	0%	Acoust. Ceiling & Grid	1,542	/SF	5.70	\$ 8,787	\$ 118,625
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			3%	20%	67%	10%	Casework - Base/Wall	308	/LF	781.00	\$ 240,548	\$ 781,781
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 45,554
Window Treatment			0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ 6,134
Doors			0%	2%	83%	15%	Door (\$/ Leaf)	1	EA	2,556.00	\$ 2,556	\$ 102,240
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	27	EA	710.00	\$ 19,170	\$ -
<b>CLASSROOMS</b>											<b>\$ 332,601</b>	<b>\$ 1,147,912</b>

## SUMMARY NOTES

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# Art Rooms

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## ART ROOMS

Floor/base Type A	VCT		0%	100%	0%	0%	Vinyl Tile	1,120	/SF	5.70	\$ 6,384	\$ -
Floor/base Type B	CPT		0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 6,384
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	100%	0%	0%	Casework - Base/Wall	100	/LF	781.00	\$ 78,100	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 5,112
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>ART ROOMS</b>											<b>\$ 85,194</b>	<b>\$ 11,496</b>

## SUMMARY NOTES

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# Music Rooms

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MUSIC ROOMS														
	Floor/base Type A	CPT	0%	0%	100%	0%	Carpet	-	/SF	7.10	\$	-	\$ 20,370	
	Floor/base Type B	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 365	
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$ -	
	CeilingType A	ACT	0%	0%	67%	33%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 16,718	
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 2,158	
	Window Treatment		0%	100%	0%	0%	Window Treatment	10	/LF	42.60	\$	426	\$ -	
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 17,892	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$	1,420	\$ -	
<b>MUSIC ROOMS</b>											<b>\$</b>	<b>1,846</b>	<b>\$</b>	<b>57,503</b>

SUMMARY NOTES												



# Computer Labs

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## COMPUTER LABS

Floor/base Type A	CPT		0%	0%	100%	0%	Carpet	-	/SF	7.10	\$ -	\$ 5,112
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 4,104
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 284
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	100%	0%	0%	Door (\$/ Leaf)	3	EA	2,556.00	\$ 7,668	\$ -
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>COMPUTER LABS</b>											<b>\$ 8,378</b>	<b>\$ 9,500</b>

## SUMMARY NOTES

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# Gymnasiums

Hope Middle School

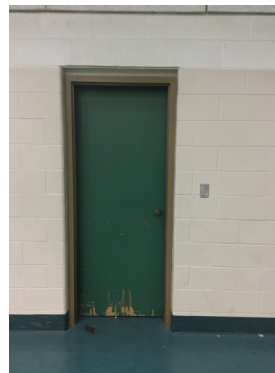
ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## GYMNASIUMS

Floor/base Type A	WDG		0%	100%	0%	0%	Wood Gym Floor	10,117	/SF	18.50	\$ 187,165	\$ -
Floor/base Type B	SV		0%	0%	100%	0%	Sheet Vinyl(Linoleum/Sheet Rubber)	-	/SF	15.70	\$ -	\$ 85,016
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	EXP		0%	0%	0%	0%	Exposed	-	/SF	2.20	\$ -	\$ -
CeilingType B	ACT		0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
Lockers			0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
Display Board			0%	100%	0%	0%	Display Board	6	/LF	56.80	\$ 341	\$ -
Gym Equipment			0%	0%	100%	0%	Gym Equipment	-	EA	3,550.00	\$ -	\$ 21,300
Doors			0%	14%	43%	43%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ 30,672
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	1	EA	4,260.00	\$ 4,260	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	3	EA	710.00	\$ 2,130	\$ -
<b>GYMNASIUMS</b>											<b>\$ 199,007</b>	<b>\$ 136,988</b>

## SUMMARY NOTES

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# Locker Rooms

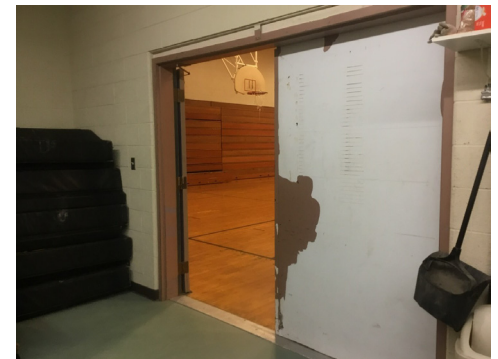
Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## LOCKER ROOMS

Floor/base Type A	CT		0%	50%	0%	0%	Ceramic Tile	1,309	/SF	21.30	\$ 27,882	\$ -
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	GB		0%	50%	50%	0%	Gyp Bd.	1,309	/SF	14.20	\$ 18,588	\$ 18,588
CeilingType B	ACT		0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
Lockers			0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Toilet Accessories			0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ -
Doors			0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 10,224
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	4	EA	710.00	\$ 2,840	\$ -
<b>LOCKER ROOMS</b>											<b>\$ 49,310</b>	<b>\$ 28,812</b>

## SUMMARY NOTES



# Media Center

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MEDIA CENTER														
	Floor/base Type A	CPT	0%	0%	100%	0%	Carpet	-	/SF	7.10	\$	\$ 29,969		
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	\$ -		
	Walls / paint	GYP	0%	0%	0%	100%	Gyp. Bd.	-	/SF	12.80	\$	\$ 26,624		
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	\$ 24,060		
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	\$ -		
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	\$ -		
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	\$ -		
	Window Treatment		0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$	\$ 511		
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	\$ 5,112		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	\$ -		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	\$ -		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	\$ -		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	\$ 710		
<b>MEDIA CENTER</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>86,276</b>

SUMMARY NOTES												



# Auditorium

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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AUDITORIUM												
	Floor/base Type A	WDG	0%	0%	0%	100%	Wood Gym Floor	-	/SF	18.50	\$ -	\$ 9,158
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	GYP	0%	100%	0%	0%	Gyp. Bd.	2,112	/SF	12.80	\$ 27,034	\$ -
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 2,822
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	100%	0%	0%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ -
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>AUDITORIUM</b>											<b>\$ 32,856</b>	<b>\$ 11,979</b>

SUMMARY NOTES												



# Cafeteria

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CAFETERIA												
	Floor/base Type A	SV	0%	0%	100%	0%	Sheet Vinyl(Linoleum/Sheet Rubber)	-	/SF	15.70	\$ -	\$ 34,289
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 12,449
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ 1,874
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 10,224
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>CAFETERIA</b>											<b>\$ 710</b>	<b>\$ 58,836</b>

SUMMARY NOTES												

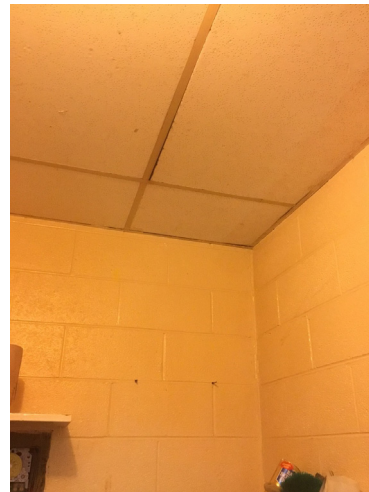
# Kitchen / Servery

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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KITCHEN / SERVERY												
	Floor/base Type A	SV	0%	0%	50%	0%	Sheet Vinyl(Linoleum/Sheet Rubber)	-	/SF	15.70	\$ -	\$ 2,120
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	50%	50%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 2,120
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 7,668
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>KITCHEN / SERVERY</b>											<b>\$ 710</b>	<b>\$ 11,908</b>

SUMMARY NOTES												





# Offices

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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**OFFICES**

Floor/base Type A	CPT		0%	8%	92%	0%	Carpet	234	/SF	7.10	\$ 1,659	\$ 18,249
Floor/base Type B	CT		0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$ -	\$ -
Walls / paint	GYP		0%	14%	21%	0%	Gyp. Bd.	919	/SF	12.80	\$ 11,761	\$ 17,642
CeilingType A	ACT		0%	58%	42%	0%	Acoust. Ceiling & Grid	1,636	/SF	5.70	\$ 9,323	\$ 6,660
CeilingType B	GB		0%	50%	50%	0%	Gyp Bd.	154	/SF	14.20	\$ 2,187	\$ 2,187
Casework			0%	8%	92%	0%	Casework - Base/Wall	20	/LF	781.00	\$ 15,620	\$ 169,477
Display Board			0%	0%	24%	76%	Display Board	-	/LF	56.80	\$ -	\$ 1,931
Window Treatment			0%	80%	20%	0%	Window Treatment	12	/LF	42.60	\$ 511	\$ 128
Doors			0%	31%	31%	38%	Door (\$/ Leaf)	5	EA	2,556.00	\$ 12,780	\$ 28,116
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	9	EA	710.00	\$ 6,390	\$ -
<b>OFFICES</b>											<b>\$ 60,232</b>	<b>\$ 244,390</b>

**SUMMARY NOTES**

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# Staff Spaces

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## STAFF SPACES

Floor/base Type A	CPT		0%	40%	60%	0%	Vinyl Tile	617	/SF	5.70	\$ 3,516	\$ 5,274
Floor/base Type B	VCT		0%	67%	33%	0%	Carpet	973	/SF	7.10	\$ 6,906	\$ 3,453
Walls / paint	CMU		0%	13%	0%	0%	CMU	600	/SF	15.70	\$ 9,420	\$ -
CeilingType A	ACT		0%	38%	50%	13%	Acoust. Ceiling & Grid	1,125	/SF	5.70	\$ 6,415	\$ 10,691
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	29%	38%	33%	Casework - Base/Wall	28	/LF	781.00	\$ 21,868	\$ 53,108
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 738
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	73%	27%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 28,116
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	4	EA	710.00	\$ 2,840	\$ -
<b>STAFF SPACES</b>											<b>\$ 50,964</b>	<b>\$ 101,380</b>

## SUMMARY NOTES



# Mechanical Electrical and Storage Rooms

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS												
Floor/base Type A	VCT		0%	33%	56%	11%	Vinyl Tile	884	/SF	5.70	\$ 5,037	\$ 10,074
Floor/base Type B	CONC		0%	0%	0%	0%	Conc	-	/SF	15.70	\$ -	\$ -
Walls / paint	CMU		0%	27%	7%	0%	CMU	2,377	/SF	15.70	\$ 37,312	\$ 9,328
CeilingType A	ACT		15%	31%	31%	0%	Acoust. Ceiling & Grid	1,698	/SF	5.70	\$ 9,681	\$ 6,454
CeilingType B	GB		0%	100%	0%	0%	Gyp Bd.	195	/SF	14.20	\$ 2,769	\$ -
Casework			0%	29%	71%	0%	Casework - Base/Wall	12	/LF	781.00	\$ 9,372	\$ 23,430
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 341
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			5%	21%	63%	11%	Door (\$/ Leaf)	5	EA	2,556.00	\$ 12,780	\$ 35,784
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	13	EA	710.00	\$ 9,230	\$ -
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$ 86,181</b>	<b>\$ 85,411</b>

SUMMARY NOTES												



# Flex Spaces

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## FLEX SPACES

Floor/base Type A	CPT	0%	0%	67%	33%	Carpet	-	/SF	7.10	\$	-	\$ 20,810		
Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ -		
Walls / paint	CMU	0%	0%	100%	0%	CMU	-	/SF	15.70	\$	-	\$ 64,056		
CeilingType A	ACT	0%	50%	50%	0%	Acoust. Ceiling & Grid	1,466	/SF	5.70	\$	8,353	\$ 8,353		
CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -		
Casework		0%	0%	87%	13%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 48,422		
Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 5,112		
Window Treatment		0%	10%	80%	10%	Window Treatment	4	/LF	42.60	\$	170	\$ 1,534		
Doors		0%	14%	86%	0%	Door (\$/ Leaf)	1	EA	2,556.00	\$	2,556	\$ 15,336		
Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -		
Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -		
Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -		
Corridor Doors Not Lockable from the Inside						Secure corridor doors	6	EA	710.00	\$	4,260	\$ -		
<b>FLEX SPACES</b>											<b>\$</b>	<b>15,340</b>	<b>\$</b>	<b>163,623</b>

## SUMMARY NOTES

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# Custodial

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CUSTODIAL												
	Floor/base Type A	CONC	0%	100%	0%	0%	Conc	475	/SF	15.70	\$ 7,458	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	GYP	0%	33%	0%	0%	Gyp. Bd.	480	/SF	12.80	\$ 6,144	\$ -
	CeilingType A	ACT	0%	33%	67%	0%	Acoust. Ceiling & Grid	235	/SF	5.70	\$ 1,340	\$ 2,679
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Lockers		0%	100%	0%	0%	Lockers	20	EA	177.50	\$ 3,550	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	100%	0%	0%	Door (\$/ Leaf)	3	EA	2,556.00	\$ 7,668	\$ -
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	3	EA	710.00	\$ 2,130	\$ -
<b>CUSTODIAL</b>											<b>\$ 28,289</b>	<b>\$ 2,679</b>

SUMMARY NOTES												

# Mechanical

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL												
	Controls System			X			Needs upgrade to JCI Tridium.	130,300	SF	\$ 2.82	\$ 367,446	\$ -
	Temperature Controls Upgrade			X			Needs some upgrading from Pneumatic to DDC	130,300	SF	\$ 2.82	\$ 367,446	\$ -
	Classroom HVAC Systems-VAV Coils			X			System needs updating w/ Cooling option.	23	EA	\$ 32,148.00	\$ 739,404	\$ -
	Gym HVAC					X		1	EA	\$ 120,132.00	\$ -	\$ 120,132
	Computer Lab HVAC					X	Functional - no issues.	1	EA	\$ 32,148.00	\$ -	\$ 32,148
	Media Center HVAC					X	Functional - no issues.	1	EA	\$ 100,110.00	\$ -	\$ 100,110
	Boilers - Total Capacity					X	Good working order	1	EA	\$ 142,861.20	\$ -	\$ 142,861
	Boiler Pumps, VFDs, Tanks, Accessories					X	Good working order	1	EA	\$ 73,531.50	\$ -	\$ 73,532
	Boiler/HVAC Piping-Total			X		X	Good working order	1	EA	\$ 454,584.00	\$ 454,584	\$ 454,584
	Chiller			X			Needs upgrading	1		\$ -	\$ -	\$ -
	Water Treatment					X		1	EA	\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust			X			More ventilation is needed.	1	EA	\$ 14,523.00	\$ 14,523	\$ -
	Restroom Exhaust					X	Nearing end of life.	10	EA	\$ 4,935.00	\$ -	\$ 49,350
<b>MECHANICAL</b>											<b>\$ 1,943,403</b>	<b>\$ 1,000,353</b>

**SUMMARY NOTES**  
*The existing system is old and outdated. Heating and cooling are the number one concern for staff and maintenance alike. It has been stated by many staffers that it is either hot or cold with no affective controllability. Current HVAC system is original and nearly impossible to get parts for. Currently only the Media Center/Library & Office. There are six (6) AC wall units (of which 4 work) in the old childcare section of the building, but all other classrooms have unit vents with heating only. Existing unit vents, hot water piping, etc. are in need of replacement with a system that includes cooling. Boilers are well maintained. HVAC controls are outdated and mostly pneumatic. They do not communicate with any BMS system and need upgrading to DDC. Kitchen HVAC equipment needs to be upgraded for proper ventilation. Bathroom EF's are nearing End-of-Life.*



# Electrical

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ELECTRICAL												
	Site Lighting Pole Lights - Parking Lot & Building			X			Replace with LED	0	EA	\$1,692.00	\$ -	\$ -
	Exterior building Lighting & Soffit			X			Replace with LED	20	EA	\$493.50	\$ 9,870	\$ -
	Exterior Lighting Controls			X			Replace with photocell	20	EA	\$70.50	\$ 1,410	\$ -
	Interior Lighting			X			Replace with LED	130,300	SF	\$8.46	\$ 1,102,338	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	130,300	SF	\$2.82	\$ 367,446	\$ -
	Classrooms/Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Public Address System			X			Needs to be Replaced/Upgraded	130,300	SF	\$3.53	\$ 459,308	\$ -
	Electrical Distribution		X				At capacity and needs upgrading	130,300	SF	\$6.20	\$ 808,381	\$ -
	Distribution Panels and Panelboards			X			Replace old panels	3	EA	\$3,525.00	\$ 10,575	\$ -
	Fire Alarm System		X				There is an old Honeywell system with a newer Siemens system tied in.	130,300	SF	\$4.23	\$ 551,169	\$ -
<b>ELECTRICAL</b>											<b>\$ 3,310,497</b>	<b>\$ -</b>

**SUMMARY NOTES**  
*All lighting (interior & Exterior) should be changed to LED and proper controls added to maximize energy efficiency. The FA system is a combination of very old technology and newer and needs be replaced completely. Main electrical service to the building not sufficient to effectively feed the building and there are two (2) incoming points of service. Electrical service to the building requires upgrading ASAP. There is no back-up generator system for the building.*



# Plumbing

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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PLUMBING												
	Fire Suppression	N/A					N/A		EA	\$1.41	\$ -	\$ -
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)		X				Old fixtures - Mixing valves get plugged easily	28	EA	\$2,115.00	\$ 59,220	\$ -
	Roof Drains					X	Functional	16	EA	\$1,551.00	\$ -	\$ 24,816
	Water Fountains				X		Functional - nearing end of life	8	EA	\$4,864.50	\$ -	\$ 38,916
	Floor Drains					X	Functional	10	EA	\$1,311.30	\$ -	\$ 13,113
	Kitchen Grease Trap						Recently repaired	1	EA	\$35,250.00	\$ -	\$ -
	Kitchen Water Heater					X	Functional	1	EA	\$41,454.00	\$ -	\$ 41,454
	Well Pump					X	No operational issues	1	EA	\$4,935.00	\$ -	\$ 4,935
	Water Softener	N/A					N/A	1	EA	\$32,289.00	\$ -	\$ -
	Water Heaters - Building				X		Functional - End of life	2	EA	\$43,851.00	\$ -	\$ 87,702
	Domestic HW/CW Piping				X		No galvanized piping. Mixing valves	1	EA	\$452,610.00	\$ -	\$ 452,610
	Gas Meter & Regulator					X	No operational issues	1	EA	\$8,248.50	\$ -	\$ 8,249
	Gas Piping - Total					X	No operational issues	1	EA	\$31,584.00	\$ -	\$ 31,584
	Recirculation Pump				X		Functional - End of life	2	EA	\$4,935.00	\$ -	\$ 9,870
<b>PLUMBING</b>											\$ 59,220	\$ 713,249

**SUMMARY NOTES**  
*There is no fire suppression in the building. In any future addition, note will have to be taken to see if any fire suppression will be required per code. There are no galvanized pipes to anyone's knowledge. Much of the original piping is under the slab and cannot be accessed for service or to check for issues. Much of the existing equipment is operational but is nearing its useful life. There is a complaint of lack of hot water most of the time at the sinks.*



# Technology

Hope Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## TECHNOLOGY

	Building Technology				100%		Add WAP's for better connectivity throughout the building	130,300	SF	\$0.71	\$ -	\$ 91,862
	Classroom Technology				100%		Ceiling Projectors & Smartboards	27	EA	\$3,243.00	\$ -	\$ 87,561
	Kids Chromebooks						Chromebooks		EA	\$2,300.00	\$ -	\$ -
	Teacher Laptops						MS based laptops w/ ROM drives		EA	\$564.00	\$ -	\$ -
	Safety & Security				100%		Main Entrance Door Buzzer System	8	EA	\$5,865.60	\$ -	\$ 46,925
	Video Surveillance				100%		Cameras in the halls and cafeteria.	14	Ls	\$6,556.50	\$ -	\$ 91,791
<b>TECHNOLOGY</b>											<b>\$ -</b>	<b>\$ 318,138</b>

## SUMMARY NOTES

*The building's server(s) seems to be in good order and no issues were noted in the pre-walk meeting. Classroom technology is in good condition but may be on the side of being outdated. Replacement bulbs for current projectors are \$200 ea. Teachers have requested Windows-based laptops with ROM for each teacher and a 1:1 ratio of Chromebooks to students. Building security seems to be in good order, but there are no FOB's for secure entrance at all exterior doors instead of the single security lock system at the main entrance which requires someone in the main office to buzz people in. The building does have video surveillance cameras in the halls and cafeteria but could use additional for blind-spot areas. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Washington Woods Middle School Supporting Detail

2055 Washington Road  
Holt, MI 48842

73,000 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1993  
*Year Built*

## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Washington Woods Middle School according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SITE												
	Fencing	Assumed no improvements					Fencing	-	/LF	14.20	\$ -	\$ -
	Signage			100%			Signage	6	/EA	142.00	\$ 852	\$ -
	Grading/Lawn/Landscaping			100%			Lawn/Landscaping	1.00	/LS	71,000.00	\$ 71,000	\$ -
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Storm Sewer Piping/Structures/Detention			100%			Storm Sewer Piping/Structures	1	/LS	100,820.00	\$ 100,820	\$ -
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$ -	\$ -
	Concrete Curbs			100%			Concrete Curbs	600	/LF	35.50	\$ 21,300	\$ -
	HD Asphalt			100%			HD Asphalt	44,500	/SF	10.70	\$ 476,150	\$ -
	LD Asphalt			100%			LD Asphalt	80,100	/SF	7.10	\$ 568,710	\$ -
	Walks			100%			Concrete Walks	5,700	/SF	12.80	\$ 72,960	\$ -
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	1,500	/SF	28.40	\$ 42,600	\$ -
	Play Areas/Pathway	N/A					LD Asphalt	-	/SF	7.10	\$ -	\$ -
	Comp. Athletic Field	N/A					Comp. Athletic Field	-	/EA	-	\$ -	\$ -
	Practice Athletic Field	Assumed no improvements					Practice Athletic Field	-	/EA	-	\$ -	\$ -
	Play Surface			100%			Play Surface	450	/SY	28.40	\$ 12,780	\$ -
<b>SITE</b>											<b>\$ 1,367,172</b>	<b>\$ -</b>

**SUMMARY NOTES**  
 See Appendix A for comments and additional images.



# Building Exterior Zone A

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone A												
Roof A:			0%	0%	0%	100%	PVC	-	/SF	22.80	\$ -	\$ 535,800
Roof B:			0%	0%	0%	0%	Metal	-	/SF	25.60	\$ -	\$ -
Roof C:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
Roof Edge:			0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
Window A:			3%	0%	37%	60%	Aluminum Windows	32	/SF	92.30	\$ 2,954	\$ 100,422
Window B:			0%	0%	0%	0%	Curtain Wall	-	/SF	142.00	\$ -	\$ -
Window C:			0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
Entry Doors:			0%	0%	0%	100%	Entry doors:	-	/EA	4,260.00	\$ -	\$ 89,460
Service Door:			0%	0%	0%	100%	Service Doors:	-	/EA	5,680.00	\$ -	\$ 45,440
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
Walls:			0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$ -	\$ -
Soffits:			0%	0%	0%	100%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ 1,368
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ 2,954</b>	<b>\$ 772,490</b>

SUMMARY NOTES



# Building Exterior Zone B

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone B													
Roof A:			0%	0%	0%	100%	PVC	-	/SF	22.80	\$	\$ 487,920	
Roof B:			0%	0%	0%	0%	Metal	-	/SF	25.60	\$	-	
Roof C:			0%	0%	0%	0%	Metal	-	/SF	25.60	\$	-	
Roof Edge:			0%	0%	0%	69%	Metal Coping:	-	/LF	24.20	\$	\$ 21,780	
Window A:			0%	0%	0%	100%	Aluminum Windows	-	/SF	92.30	\$	\$ 118,144	
Window B:			0%	0%	0%	0%	Curtain Wall	-	/SF	142.00	\$	-	
Window C:			0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$	-	
Entry Doors:			0%	0%	0%	100%	Entry doors:	-	/EA	4,260.00	\$	\$ 25,560	
Service Door:			0%	0%	0%	0%	Service Doors:	-	/EA	5,680.00	\$	-	
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$	-	
Walls:			0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$	-	
Soffits:			0%	0%	0%	100%	Plaster/EIFS Soffits	-	/SF	17.10	\$	\$ 4,104	
Canopies:			0%	0%	0%	0%	Canopies	-			\$	\$ -	
<b>BUILDING EXTERIOR Zone B</b>											<b>\$</b>	<b>-</b>	<b>\$ 657,508</b>

SUMMARY NOTES



# Lobbies and Vestibules

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES												
Floor/base Type A	CPT		0%	0%	100%	0%	Carpet	-	/SF	7.10	\$	- \$ 27,079
Floor/base Type B	CT		0%	0%	0%	75%	Ceramic Tile	-	/SF	21.30	\$	- \$ 37,142
Walls / paint	PCMU		0%	0%	0%	11%	Prefaced CMU	-	/SF	22.80	\$	- \$ 17,105
CeilingType A	ACT		0%	0%	25%	75%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	- \$ 29,332
CeilingType B	GB		0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$	- \$ 14,101
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	- \$ -
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	- \$ 909
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	- \$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	- \$ 51,120
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	- \$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	- \$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	- \$ -
Secure Entry							Create Secure Entry	1	Allow	207,000.00	\$	207,000 \$ -
<b>LOBBIES AND VESTIBULES</b>											<b>\$ 207,000</b>	<b>\$ 176,788</b>

SUMMARY NOTES



# Corridors Stairs and Elevators

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CORRIDORS STAIRS AND ELEVATORS												
Floor/base Type A	CPT		0%	0%	9%	91%	Carpet	-	/SF	7.10	\$	\$ 76,339
Floor/base Type B	VCT		0%	0%	0%	100%	Vinyl Tile	-	/SF	5.70	\$	\$ 1,026
Walls / paint	PCMU		0%	0%	0%	25%	Prefaced CMU	-	/SF	22.80	\$	\$ 81,715
CeilingType A	ACT		0%	13%	75%	13%	Acoust. Ceiling & Grid	790	/SF	5.70	\$ 4,501	\$ 31,506
CeilingType B	GB		0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$	\$ 62,977
Casework			0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$	\$ 50,765
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	\$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	\$ 7,668
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	\$ -
<b>CORRIDORS STAIRS AND ELEVATORS</b>											<b>\$ 4,501</b>	<b>\$ 311,996</b>

SUMMARY NOTES





# Toilet Rooms

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TOILET ROOMS												
	Floor/base Type A	CT	0%	0%	0%	69%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 32,589
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	PCMU	0%	0%	0%	8%	Prefaced CMU	-	/SF	22.80	\$ -	\$ 9,373
	CeilingType A	GB	0%	8%	15%	77%	Gyp Bd.	170	/SF	14.20	\$ 2,414	\$ 28,968
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 93,720
	Toilet Partitions		0%	0%	0%	0%	Toilet Partitions	-	/LF	177.50	\$ -	\$ -
	Toilet Accessories		0%	0%	0%	100%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ 9,656
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 25,560
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	4	EA	710.00	\$ 2,840	\$ -
<b>TOILET ROOMS</b>											<b>\$ 5,254</b>	<b>\$ 199,866</b>

SUMMARY NOTES												



# Classrooms

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CLASSROOMS												
	Floor/base Type A	CPT	0%	50%	40%	10%	Carpet	5,367	/SF	7.10	\$ 38,106	\$ 38,106
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 61,184
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 217,899
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 14,086
	Window Treatment		0%	0%	13%	87%	Window Treatment	-	/LF	42.60	\$ -	\$ 3,791
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 25,560
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	10	EA	710.00	\$ 7,100	\$ -
<b>CLASSROOMS</b>											<b>\$ 45,206</b>	<b>\$ 360,626</b>

SUMMARY NOTES



# Art Rooms

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ART ROOMS														
	Floor/base Type A	VCT	0%	0%	50%	50%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 10,596	
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	-	\$ -	
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$ -	
	CeilingType A	EXP	0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	-	\$ -	
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ -	
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 37,488	
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 454	
	Window Treatment		0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ 682	
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 5,112	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$	1,420	\$ -	
<b>ART ROOMS</b>											<b>\$</b>	<b>1,420</b>	<b>\$</b>	<b>54,332</b>

SUMMARY NOTES



# Music Rooms

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MUSIC ROOMS												
Floor/base Type A	CPT		14%	14%	71%	0%	Carpet	1,163	/SF	7.10	\$ 8,258	\$ 20,646
Floor/base Type B	VCT		0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 16,125
Walls / paint	PCMU		0%	0%	0%	100%	Gyp. Bd.	-	/SF	12.80	\$ -	\$ 78,643
CeilingType A	ACT		0%	50%	50%	0%	Acoust. Ceiling & Grid	3,450	/SF	5.70	\$ 19,665	\$ 19,665
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 24,992
Display Board			0%	0%	100%	0%	Display Board	-	/LF	56.80	\$ -	\$ 454
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 1,022
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 43,452
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	7	EA	710.00	\$ 4,970	\$ -
<b>MUSIC ROOMS</b>											<b>\$ 32,893</b>	<b>\$ 205,000</b>

SUMMARY NOTES



# Science Labs

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SCIENCE LABS														
Floor/base Type A	VCT		0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 64,450	
Floor/base Type B	CPT		0%	100%	0%	0%	Carpet	1,156	/SF	7.10	\$	8,208	\$ -	
Walls / paint	PCMU		30%	0%	0%	0%	Prefaced CMU	3,341	/SF	22.80	\$	76,170	\$ -	
CeilingType A	EXP		0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	-	\$ -	
CeilingType B	ACT		0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 6,589	
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 248,358	
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 15,677	
Window Treatment			0%	0%	87%	13%	Window Treatment	-	/LF	42.60	\$	-	\$ 4,388	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 25,560	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	10	EA	710.00	\$	7,100	\$ -	
<b>SCIENCE LABS</b>											<b>\$</b>	<b>91,478</b>	<b>\$</b>	<b>365,022</b>

SUMMARY NOTES												



# Computer Labs

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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COMPUTER LABS														
	Floor/base Type A	CPT	0%	0%	100%	0%	Carpet	-	/SF	7.10	\$	8,201		
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-		
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-		
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	6,584		
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-		
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	46,860		
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	1,136		
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-		
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	5,112		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710		
<b>COMPUTER LABS</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>67,892</b>

SUMMARY NOTES



# Gymnasiums

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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GYMNASIUMS														
	Floor/base Type A	WDG	0%	0%	0%	100%	Wood Gym Floor	-	/SF	18.50	\$	- \$ 233,100		
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	- \$ -		
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	- \$ -		
	CeilingType A	EXP	0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	- \$ -		
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	- \$ -		
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$	- \$ -		
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	- \$ -		
	Gym Equipment		0%	0%	0%	0%	Gym Equipment	-	EA	3,550.00	\$	- \$ -		
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	- \$ 46,008		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	- \$ -		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	- \$ -		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	- \$ -		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710 \$ -		
<b>GYMNASIUMS</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>279,108</b>

SUMMARY NOTES



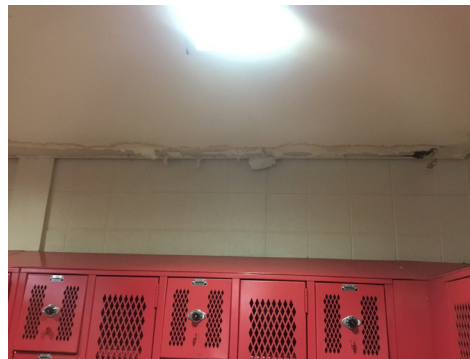
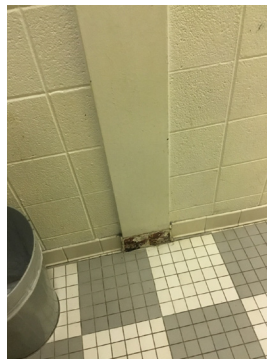
# Locker Rooms

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOCKER ROOMS													
Floor/base Type A	CT		0%	0%	50%	0%	Ceramic Tile	-	/SF	21.30	\$	- \$ 31,833	
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	- \$ -	
Walls / paint	PCMU		0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	- \$ -	
CeilingType A	GB		0%	0%	100%	0%	Gyp Bd.	-	/SF	14.20	\$	- \$ 42,444	
CeilingType B	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	- \$ -	
Lockers			0%	0%	0%	0%	Lockers	-	EA	177.50	\$	- \$ -	
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	- \$ 1,136	
Toilet Accessories			0%	0%	0%	100%	Toilet Accessories	-	EA	2,414.00	\$	- \$ 9,656	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	- \$ 15,336	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	- \$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	- \$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	- \$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	-	EA	710.00	\$	- \$ -	
<b>LOCKER ROOMS</b>											<b>\$</b>	<b>- \$</b>	<b>100,405</b>

SUMMARY NOTES





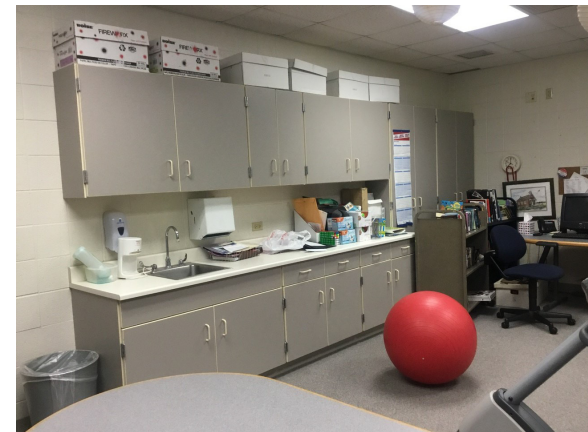
# Media Center

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MEDIA CENTER													
	Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	-	\$ 19,944
	Floor/base Type B	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 958
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$ -
	CeilingType A	ACT	0%	0%	50%	50%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 16,969
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710	\$ -
<b>MEDIA CENTER</b>											<b>\$ 710</b>	<b>\$</b>	<b>40,426</b>

SUMMARY NOTES



# Cafeteria

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CAFETERIA													
	Floor/base Type A	CT	0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$	-	\$ -
	Floor/base Type B	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 5,130
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$ -
	CeilingType A	ACT	0%	0%	50%	50%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 31,806
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 1,193
	Doors		0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ -
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	-	EA	710.00	\$	-	\$ -
<b>CAFETERIA</b>											\$	-	\$ <b>38,129</b>

SUMMARY NOTES



# Kitchen / Servery

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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KITCHEN / SERVERY														
	Floor/base Type A	CT	0%	0%	50%	50%	Ceramic Tile	-	/SF	21.30	\$	-	\$ 24,154	
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ -	
	Walls / paint	CT	0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$	-	\$ -	
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 6,464	
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 2,556	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710	\$ -	
<b>KITCHEN / SERVERY</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>33,174</b>

SUMMARY NOTES



# Offices

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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OFFICES												
	Floor/base Type A	CPT	0%	9%	73%	9%	Carpet	244	/SF	7.10	\$ 1,733	\$ 15,597
	Floor/base Type B	VCT	0%	100%	0%	0%	Vinyl Tile	126	/SF	5.70	\$ 718	\$ -
	Walls / paint	PCMU	0%	0%	0%	33%	Prefaced CMU	-	/SF	22.80	\$ -	\$ 43,776
	CeilingType A	ACT	0%	8%	75%	17%	Acoust. Ceiling & Grid	234	/SF	5.70	\$ 1,335	\$ 14,687
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	26%	74%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 42,174
	Display Board		0%	0%	36%	64%	Display Board	-	/LF	56.80	\$ -	\$ 1,250
	Window Treatment		22%	11%	44%	22%	Window Treatment	12	/LF	42.60	\$ 511	\$ 1,022
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 33,228
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	8	EA	710.00	\$ 5,680	\$ -
<b>OFFICES</b>											<b>\$ 9,978</b>	<b>\$ 151,735</b>

SUMMARY NOTES



# Staff Spaces

Washington Woods Middle School

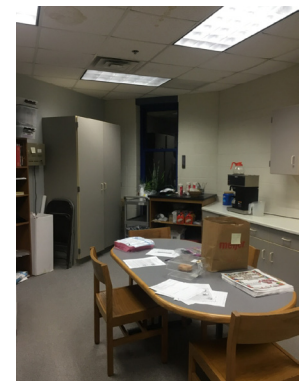
ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## STAFF SPACES

Floor/base Type A	CPT	0%	0%	83%	17%	Carpet	-	/SF	7.10	\$	-	\$ 21,705
Floor/base Type B	VCT	0%	0%	0%	100%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 3,420
Walls / paint	PCMU	0%	0%	0%	14%	Prefaced CMU	-	/SF	22.80	\$	-	\$ 16,572
CeilingType A	ACT	0%	14%	86%	0%	Acoust. Ceiling & Grid	522	/SF	5.70	\$	2,978	\$ 17,867
CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -
Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 62,480
Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 2,158
Window Treatment		0%	0%	33%	67%	Window Treatment	-	/LF	42.60	\$	-	\$ 767
Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 17,892
Space Lacks 2nd Means of egress						2nd means of egress	1	EA	7,100.00	\$	7,100	\$ -
Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -
Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -
Corridor Doors Not Lockable from the Inside						Secure corridor doors	5	EA	710.00	\$	3,550	\$ -
<b>STAFF SPACES</b>											<b>\$ 13,628</b>	<b>\$ 142,861</b>

## SUMMARY NOTES

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# Mechanical Electrical and Storage Rooms

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS														
	Floor/base Type A	CONC	0%	0%	50%	0%	Conc	-	/SF	15.70	\$	-	\$ 15,362	
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ -	
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$ -	
	CeilingType A	EXP	0%	0%	50%	0%	Exposed	-	/SF	2.20	\$	-	\$ 2,153	
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ -	
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 14,058	
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 12,780	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	3	EA	710.00	\$	2,130	\$ -	
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$</b>	<b>2,130</b>	<b>\$</b>	<b>44,353</b>

SUMMARY NOTES												



# Flex Spaces

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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FLEX SPACES														
Floor/base Type A	CPT		0%	0%	100%	0%	Carpet	-	/SF	7.10	\$	8,435		
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-		
Walls / paint	PCMU		0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-		
CeilingType A	ACT		0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	6,772		
CeilingType B	ACT		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-		
Casework			0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$	29,678		
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	1,136		
Window Treatment			0%	0%	100%	0%	Window Treatment	-	/LF	42.60	\$	511		
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	2,556		
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-		
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-		
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-		
Corridor Doors Not Lockable from the Inside							Secure corridor doors	1	EA	710.00	\$	710		
<b>FLEX SPACES</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>49,088</b>

SUMMARY NOTES



# Mechanical

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL												
	Controls System					X	Needs upgrade for the JCI Tridium.	73,000	SF	\$ 2.82	\$ -	\$ 205,860
	Temperature Controls Upgrade				X		Needs upgrading from Pneumatic to DDC.	73,000	SF	\$ 2.82	\$ -	\$ 205,860
	Classroom HVAC Systems				X		VAV w/ Reheat Coils	3	EA	\$ 32,148.00	\$ -	\$ 96,444
	Gym HVAC					X	(2) Gym, (2) Locker Room Units	4	EA	\$ 105,750.00	\$ -	\$ 423,000
	Computer Lab HVAC					X	Functional - no issues.	2	EA	\$ 32,148.00	\$ -	\$ 64,296
	Media Center HVAC					X	Functional - no issues.	2	EA	\$ 100,110.00	\$ -	\$ 200,220
	Chiller/Pumps/VFD						5 years old -good condition.	1	EA	\$ 169,200.00	\$ -	\$ -
	Boilers - Total Capacity					X	Good working order	2	EA	\$ 142,861.20	\$ -	\$ 285,722
	Boiler Pumps, VFDs, Tanks, Accessories					X	Good working order	2	EA	\$ 73,531.50	\$ -	\$ 147,063
	Boiler/HVAC Piping-Total					X	Good working order	1	EA	\$ 454,584.00	\$ -	\$ 454,584
	Water Treatment					X	Good working order	1	EA	\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust					X	Good working order	1	EA	\$ 14,523.00	\$ -	\$ 14,523
	Restroom Exhaust			X			Noisy. Needs replacing	5	EA	\$ 4,935.00	\$ 24,675	\$ -
<b>MECHANICAL</b>											<b>\$ 24,675</b>	<b>\$ 2,125,208</b>

**SUMMARY NOTES**  
*The existing system is original (1993) and in good working order except for a few leaking coils. Controls need to be upgraded to DDC and need to talk to the JCI Tridium system the district uses. Bathroom EF's are noisy and need replacing.*



# Electrical

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ELECTRICAL												
	Site Lighting Pole Lights			X			Replace with LED	38	EA	\$1,692.00	\$ 64,296	\$ -
	Exterior building Lighting			X			Replace with LED	41	EA	\$493.50	\$ 20,234	\$ -
	Exterior Lighting Controls			X			Replace with photocell	41	EA	\$70.50	\$ 2,891	\$ -
	Interior Lighting			X			Replace with LED	73,000	SF	\$8.46	\$ 617,580	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	73,000	SF	\$2.82	\$ 205,860	\$ -
	Classrooms/Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Public Address System					X	Functional	73,000	SF	\$3.53	\$ -	\$ 257,325
	Electrical Distribution						Functional	73,000	SF	\$6.20	\$ -	\$ -
	Distribution Panels and Panelboards					X	Replace old panels	3	EA	\$3,525.00	\$ -	\$ 10,575
	Fire Alarm System					X	There is an old Honeywell system with a newer Siemens system tied in.	73,000	SF	\$4.23	\$ -	\$ 308,790
<b>ELECTRICAL</b>											\$ 910,860	\$ 576,690

SUMMARY NOTES												
<p><i>All lighting (interior &amp; Exterior) should be changed to LED and proper controls added to maximize energy efficiency. The FA system is in good working order. Main electrical service to the building seems to be in good working order. The building's clocks are all individual and are battery operated. There was talk about the bell system having issues at times.</i></p>												

# Plumbing

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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PLUMBING												
	Fire Suppression						Fully sprinkled - no issues.		EA	\$ 1.41	\$ -	\$ -
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)					X	Functional - nearing end of life	55	EA	\$ 2,115.00	\$ -	\$ 116,325.00
	Roof Drains				X		Overflow issues due to new insulation.	28	EA	\$ 1,551.00	\$ -	\$ 43,428.00
	Water Fountains				X		Functional - nearing end of life	12	EA	\$ 4,864.50	\$ -	\$ 58,374.00
	Floor Drains					X	Functional	18	EA	\$ 1,311.30	\$ -	\$ 23,603.40
	Kitchen Grease Trap						Functional	1	EA	\$ 35,250.00	\$ -	\$ -
	Kitchen Water Heater					X	Functional	1	EA	\$ 41,454.00	\$ -	\$ 41,454.00
	Well Pump					X	No operational issues	1	EA	\$ 4,935.00	\$ -	\$ 4,935.00
	Water Softener	N/A					N/A	1	EA	\$ 32,289.00	\$ -	\$ -
	Water Heaters - Building					X	Functional - No capacity issues	1	EA	\$ 43,851.00	\$ -	\$ 43,851.00
	Domestic HW/CW Piping					X	No galvanized piping.	1	EA	\$ 452,610.00	\$ -	\$ 452,610.00
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,248.50
	Gas Piping - Total					X	No operational issues	1	EA	\$ 31,584.00	\$ -	\$ 31,584.00
	Recirculation Pump					X		2	EA	\$ 4,935.00	\$ -	\$ 9,870.00
	Outside Hose Bibbs							4	EA	\$ 4,935.00	\$ -	\$ -
<b>PLUMBING</b>											\$ -	\$ <b>834,283</b>

**SUMMARY NOTES**  
*The shower room is no longer used for this purpose and is currently used for storage. The overall plumbing system is in functional working order with little issues. Flooding at the main entrance is a huge issue and needs to be addressed ASAP.*

# Technology

Washington Woods Middle School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TECHNOLOGY												
	Building Technology							73,000	SF	\$ -	\$ -	\$ -
	Classroom Technology				100%		Ceiling Projectors & Smartboards	25	EA	\$ 3,243.00	\$ -	\$ 81,075
	Kids Chromebooks						Chromebooks		EA	\$ 493.50	\$ -	\$ -
	Teacher Laptops						MS based laptops w/ ROM drives		EA	\$ 564.00	\$ -	\$ -
	Safety & Security				100%		Main Entrance Door Buzzer System	10	EA	\$ 5,865.60	\$ -	\$ 58,656
	Video Surveillance		100%				One camera at the front entrance	8	EA	\$ 6,556.50	\$ 52,452	\$ -
<b>TECHNOLOGY</b>											<b>\$ 52,452</b>	<b>\$ 139,731</b>

**SUMMARY NOTES**  
*The building's server(s) seems to be in good order and no issues were noted in the pre-walk meeting. Classroom technology is in good condition but may be on the side of being outdated. Replacement bulbs for current projectors are \$200 each. Teachers have requested Windows-based laptops with ROM for each teacher and a 1:1 ratio of Chromebooks to students. Building security seems to be in good order, but there are no FOB's for secure entrance at all exterior doors instead of the single security lock system at the main entrance which requires someone in the main office to buzz people in. The building does have video surveillance camera in the main door only, but could use additional for blind-spot areas. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Holt Junior High School Supporting Detail

1784 North Aurelius Road  
Holt, MI 48842

160,285 Square Feet  
*Building Area*

2 Floors  
*Number of Floors*

1958  
*Year Built*

## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Holt Junior High School according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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SITE												
	Fencing			10%		90%	Fencing	660	/LF	14.20	\$ 9,372	\$ 84,348
	Signage			100%			Signage	20	/EA	142.00	\$ 2,840	\$ -
	Grading/Lawn/Landscaping			50%	50%		Lawn/Landscaping	0.50	/LS	284,000.00	\$ 142,000	\$ 142,000
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Storm Sewer Piping/Structures/Detention	Does not include \$413K in HRC report 10/20/17					Storm Sewer Piping/Structures	-	/LS	234,300.00	\$ -	\$ -
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$ -	\$ -
	Concrete Curbs			100%			Concrete Curbs	2,180	/LF	35.50	\$ 77,390	\$ -
	HD Asphalt			100%			HD Asphalt	50,900	/SF	10.70	\$ 544,630	\$ -
	LD Asphalt			100%			LD Asphalt	226,700	/SF	7.10	\$ 1,609,570	\$ -
	Walks			100%			Concrete Walks	9,400	/SF	12.80	\$ 120,320	\$ -
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	1,600	/SF	28.40	\$ 45,440	\$ -
	Play Areas/Pathway			100%			LD Asphalt	15,600	/SF	7.10	\$ 110,760	\$ -
	Comp. Athletic Field	Assumed no improvements					Comp. Athletic Field	-	/EA	-	\$ -	\$ -
	Practice Athletic Field	Assumed no improvements					Practice Athletic Field	-	/EA	-	\$ -	\$ -
	Play Surface	N/A					Play Surface	-	/SY	28.40	\$ -	\$ -
<b>SITE</b>											<b>\$ 2,662,322</b>	<b>\$ 226,348</b>

**SUMMARY NOTES**  
 See Appendix A for comments and additional images.



# Building Exterior Zone A

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone A												
Roof A:			0%	58%	0%	42%	PVC	46,800	/SF	22.80	\$ 1,067,040	\$ 766,080
Roof B:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
Roof C:			0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
Roof Edge:			0%	59%	0%	41%	Metal Coping:	1,000	/LF	24.20	\$ 24,200	\$ 16,964
Window A:			0%	35%	30%	35%	Aluminum Windows	192	/SF	92.30	\$ 17,722	\$ 33,228
Window B:			0%	0%	0%	100%	Curtain Wall	-	/SF	142.00	\$ -	\$ 6,816
Window C:			0%	50%	0%	50%	Aluminum Windows	288	/SF	92.30	\$ 26,582	\$ 26,582
Entry Doors:			0%	20%	33%	40%	Entry doors:	6	/EA	4,260.00	\$ 25,560	\$ 93,720
Service Door:			0%	71%	14%	14%	Service Doors:	5	/EA	5,680.00	\$ 28,400	\$ 11,360
O H Door:			0%	0%	100%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ 8,520
Walls:			8%	0%	0%	0%	Wall Rebuild:	1,500	/SF	28.40	\$ 42,600	\$ -
Soffits:			0%	0%	83%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ 5,130
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ 1,232,104</b>	<b>\$ 968,401</b>

SUMMARY NOTES



# Building Exterior Zone B

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone B												
Roof A:			0%	22%	0%	78%	PVC	14,000	/SF	22.80	\$ 319,200	\$ 1,121,760
Roof B:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
Roof C:			0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
Roof Edge:			0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
Window A:			0%	15%	0%	85%	Aluminum Windows	64	/SF	92.30	\$ 5,907	\$ 33,966
Window B:			0%	0%	0%	18%	Curtain Wall	-	/SF	142.00	\$ -	\$ 13,916
Window C:			0%	57%	14%	14%	Aluminum Windows	1,152	/SF	92.30	\$ 106,330	\$ 53,165
Entry Doors:			0%	0%	0%	100%	Entry doors:	-	/EA	4,260.00	\$ -	\$ 89,460
Service Door:			0%	50%	0%	50%	Service Doors:	3	/EA	5,680.00	\$ 17,040	\$ 17,040
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
Walls:			12%	0%	0%	0%	Wall Rebuild:	2,500	/SF	28.40	\$ 71,000	\$ -
Soffits:			0%	13%	25%	42%	Plaster/EIFS Soffits	120	/SF	17.10	\$ 2,052	\$ 10,944
Canopies:			0%	0%	0%	0%	Canopies	-			\$ -	\$ -
<b>BUILDING EXTERIOR Zone B</b>											<b>\$ 521,529</b>	<b>\$ 1,340,251</b>

SUMMARY NOTES





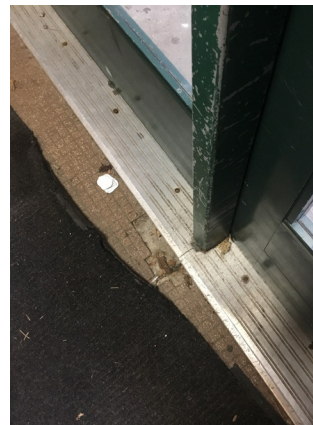
# Lobbies and Vestibules

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES												
	Floor/base Type A	CPT	0%	8%	8%	25%	Carpet	433	/SF	7.10	\$ 3,076	\$ 12,304
	Floor/base Type B	CT	0%	29%	57%	14%	Ceramic Tile	405	/SF	21.30	\$ 8,623	\$ 21,559
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	Ceiling Type A	ACT	0%	0%	13%	88%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 31,589
	Ceiling Type B	GB	0%	18%	36%	36%	Gyp Bd.	238	/SF	14.20	\$ 3,380	\$ 13,518
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	19%	48%	33%	Door (\$/ Leaf)	11	EA	2,556.00	\$ 28,116	\$ 120,132
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	3	EA	4,260.00	\$ 12,780	\$ -
	Secure Entry						Create Secure Entry	1	Allow	35,500.00	\$ 35,500	\$ -
<b>LOBBIES AND VESTIBULES</b>											<b>\$ 91,475</b>	<b>\$ 199,103</b>

SUMMARY NOTES



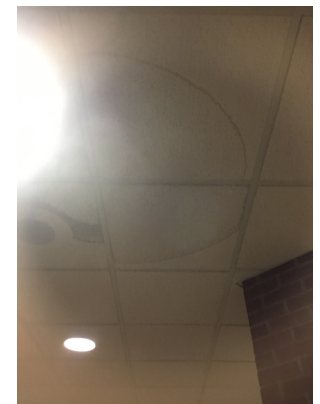
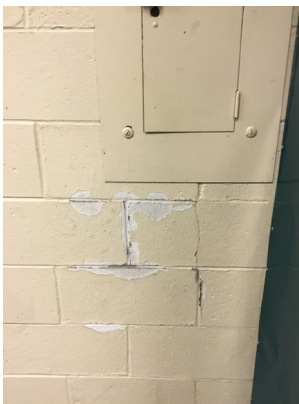
# Corridors Stairs and Elevators

Holt Junior High School School

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CORRIDORS STAIRS AND ELEVATORS													
	Floor/base Type A	CPT	0%	0%	42%	37%	Carpet	-	/SF	7.10	\$	-	\$ 103,653
	Floor/base Type B	VCT	0%	80%	0%	0%	Vinyl Tile	1,406	/SF	5.70	\$	8,016	\$ -
	Walls / paint	PCMU	0%	4%	4%	8%	Prefaced CMU	1,274	/SF	22.80	\$	29,047	\$ 87,142
	CeilingType A	ACT	0%	6%	61%	28%	Acoust. Ceiling & Grid	919	/SF	5.70	\$	5,240	\$ 83,833
	CeilingType B	GB	0%	0%	14%	71%	Gyp Bd.	-	/SF	14.20	\$	-	\$ 43,525
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 19,525
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -
	Doors		0%	0%	54%	46%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 38,340
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -
<b>CORRIDORS STAIRS AND ELEVATORS</b>											<b>\$ 42,303</b>	<b>\$ 376,017</b>	

SUMMARY NOTES



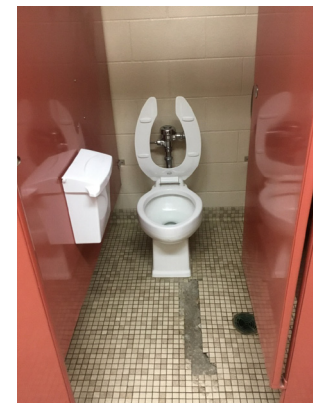
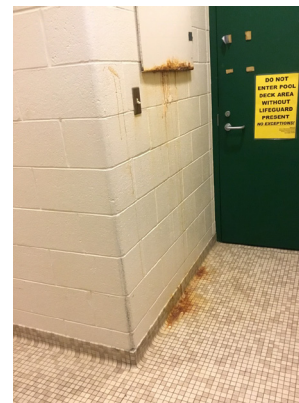
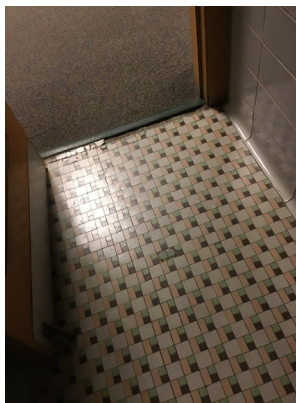
# Toilet Rooms

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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TOILET ROOMS												
	Floor/base Type A	CT	4%	8%	0%	17%	Ceramic Tile	347	/SF	21.30	\$ 7,391	\$ 9,855
	Floor/base Type B	VCT	0%	100%	0%	0%	Vinyl Tile	471	/SF	5.70	\$ 2,685	\$ -
	Walls / paint	PCMU	0%	0%	0%	7%	Prefaced CMU	-	/SF	22.80	\$ -	\$ 15,269
	Ceiling Type A	ACT	0%	10%	70%	20%	Acoust. Ceiling & Grid	204	/SF	5.70	\$ 1,161	\$ 10,450
	Ceiling Type B	GB	0%	32%	21%	47%	Gyp Bd.	372	/SF	14.20	\$ 5,278	\$ 11,435
	Casework		0%	100%	0%	0%	Casework - Base/Wall	13	/LF	781.00	\$ 10,153	\$ -
	Toilet Partitions		0%	0%	100%	0%	Toilet Partitions	-	/LF	177.50	\$ -	\$ 13,313
	Toilet Accessories		0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ -
	Doors		0%	11%	47%	42%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ 43,452
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	6	EA	4,260.00	\$ 25,560	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	23	EA	710.00	\$ 16,330	\$ -
<b>TOILET ROOMS</b>											<b>\$ 73,670</b>	<b>\$ 103,774</b>

SUMMARY NOTES												



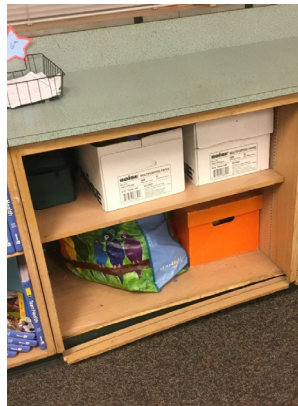
# Classrooms

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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CLASSROOMS												
	Floor/base Type A	CPT	0%	14%	42%	44%	Carpet	4,208	/SF	7.10	\$ 29,874	\$ 185,217
	Floor/base Type B	VCT	17%	0%	33%	33%	Vinyl Tile	752	/SF	5.70	\$ 4,288	\$ 17,151
	Walls / paint	PCMU	0%	0%	3%	3%	Prefaced CMU	-	/SF	22.80	\$ -	\$ 43,458
	CeilingType A	ACT	0%	0%	61%	39%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 173,078
	CeilingType B	GB	0%	50%	0%	17%	Gyp Bd.	1,662	/SF	14.20	\$ 23,597	\$ 7,866
	Casework		0%	21%	38%	41%	Casework - Base/Wall	204	/LF	781.00	\$ 159,324	\$ 584,188
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 39,419
	Window Treatment		0%	33%	60%	7%	Window Treatment	128	/LF	42.60	\$ 5,453	\$ 11,246
	Doors		0%	20%	38%	43%	Door (\$/ Leaf)	9	EA	2,556.00	\$ 24,026	\$ 96,106
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	39	EA	710.00	\$ 27,690	\$ -
<b>CLASSROOMS</b>											<b>\$ 274,252</b>	<b>\$ 1,157,729</b>

SUMMARY NOTES



# Art Rooms

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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ART ROOMS												
	Floor/base Type A	VCT	0%	33%	33%	33%	Vinyl Tile	863	/SF	5.70	\$ 4,917	\$ 9,834
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	Ceiling Type A	EXP	0%	0%	0%	100%	Exposed	-	/SF	2.20	\$ -	\$ 5,218
	Ceiling Type B	GB	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Casework		0%	39%	61%	0%	Casework - Base/Wall	28	/LF	781.00	\$ 21,868	\$ 34,364
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	100%	0%	0%	Window Treatment	21	/LF	42.60	\$ 895	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 15,336
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	3	EA	710.00	\$ 2,130	\$ -
<b>ART ROOMS</b>											<b>\$ 29,810</b>	<b>\$ 64,753</b>

SUMMARY NOTES												



# Music Rooms

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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MUSIC ROOMS														
Floor/base Type A	VCT		0%	0%	0%	100%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 24,293	
Floor/base Type B	CPT		0%	0%	100%	0%	Carpet	-	/SF	7.10	\$	-	\$ 2,279	
Walls / paint	PCMU		0%	0%	43%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$ 45,965	
CeilingType A	ACT		0%	14%	43%	43%	Acoust. Ceiling & Grid	655	/SF	5.70	\$	3,732	\$ 22,391	
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 909	
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 35,784	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	7	EA	710.00	\$	4,970	\$ -	
<b>MUSIC ROOMS</b>											<b>\$</b>	<b>8,702</b>	<b>\$</b>	<b>131,621</b>

SUMMARY NOTES												



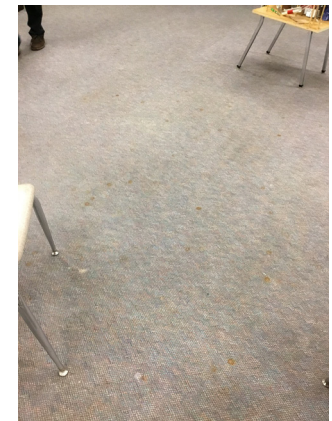
# Science Labs

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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SCIENCE LABS												
	Floor/base Type A	VCT	0%	38%	63%	0%	Vinyl Tile	2,237	/SF	5.70	\$ 12,750	\$ 21,250
	Floor/base Type B	CPT	0%	0%	33%	67%	Carpet	-	/SF	7.10	\$ -	\$ 25,219
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	Ceiling Type A	ACT	0%	0%	50%	50%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 50,183
	Ceiling Type B	GB	0%	0%	100%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 10,125
	Casework		0%	58%	30%	13%	Casework - Base/Wall	256	/LF	781.00	\$ 199,936	\$ 146,828
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 3,408
	Window Treatment		0%	49%	51%	0%	Window Treatment	33	/LF	42.60	\$ 1,406	\$ 1,448
	Doors		0%	6%	63%	31%	Door (\$/ Leaf)	1	EA	2,556.00	\$ 2,556	\$ 38,340
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	8	EA	710.00	\$ 5,680	\$ -
<b>SCIENCE LABS</b>											<b>\$ 222,328</b>	<b>\$ 296,801</b>

SUMMARY NOTES												



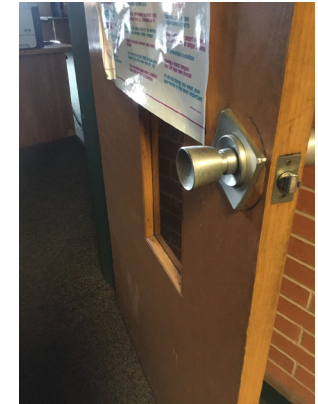
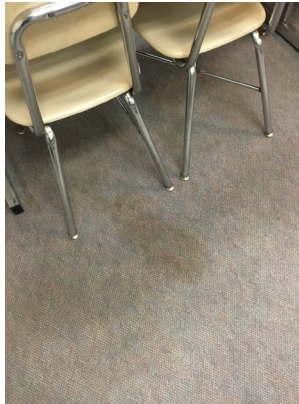
# Computer Labs

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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COMPUTER LABS														
	Floor/base Type A	CPT	0%	0%	33%	67%	Carpet	-	/SF	7.10	\$	26,014		
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-		
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-		
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	20,885		
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-		
	Casework		0%	81%	19%	0%	Casework - Base/Wall	44	/LF	781.00	\$	34,364		
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	4,090		
	Window Treatment		0%	100%	0%	0%	Window Treatment	32	/LF	42.60	\$	1,363		
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	12,780		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	3	EA	710.00	\$	2,130		
<b>COMPUTER LABS</b>											<b>\$</b>	<b>37,857</b>	<b>\$</b>	<b>71,579</b>

SUMMARY NOTES





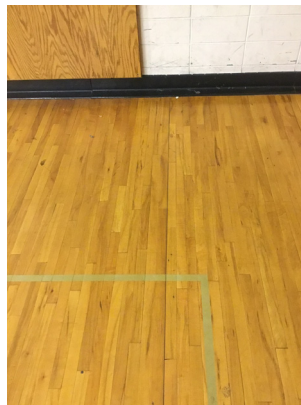
# Gymnasiums

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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GYMNASIUMS												
	Floor/base Type A	WDG	0%	0%	100%	0%	Wood Gym Floor	-	/SF	18.50	\$	\$ 168,165
	Floor/base Type B	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$	\$ 14,592
	Walls / paint	GYP	0%	50%	0%	0%	Prefaced CMU	4,545	/SF	22.80	\$	\$ 103,626
	Ceiling Type A	EXP	0%	0%	0%	50%	Exposed	-	/SF	2.20	\$	\$ 12,815
	Ceiling Type B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	\$ -
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	\$ -
	Gym Equipment		0%	0%	0%	0%	Gym Equipment	-	EA	3,550.00	\$	\$ -
	Doors		0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	\$ -
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$	\$ 1,420
<b>GYMNASIUMS</b>											<b>\$ 105,046</b>	<b>\$ 195,572</b>

SUMMARY NOTES



# Natatoriums

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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NATATORIUMS														
	Floor/base Type A	CT	0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$	-	\$	-
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$	-
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$	-
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$	22,965
	CeilingType B	EXP	0%	0%	0%	100%	Exposed	-	/SF	2.20	\$	-	\$	8,516
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$	-	\$	-
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$	-
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$	-
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$	10,224
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$	-
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$	-
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$	-
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710	\$	-
<b>NATATORIUMS</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>41,706</b>

SUMMARY NOTES



# Locker Rooms

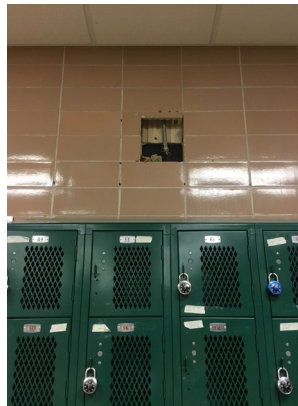
Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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## LOCKER ROOMS

Floor/base Type A	CT		0%	0%	25%	25%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 69,268
Floor/base Type B	CONC		0%	0%	100%	0%	Conc	-	/SF	15.70	\$ -	\$ 6,374
Walls / paint	PCMU		0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
Ceiling Type A	ACT		0%	14%	29%	57%	Acoust. Ceiling & Grid	836	/SF	5.70	\$ 4,764	\$ 28,586
Ceiling Type B	GB		0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 10,778
Lockers			0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Toilet Accessories			0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ -
Doors			0%	14%	71%	14%	Door (\$/ Leaf)	1	EA	2,556.00	\$ 2,556	\$ 15,336
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	8	EA	710.00	\$ 5,680	\$ -
<b>LOCKER ROOMS</b>											<b>\$ 13,000</b>	<b>\$ 130,342</b>

## SUMMARY NOTES



# Media Center

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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MEDIA CENTER												
	Floor/base Type A	CPT	0%	50%	0%	50%	Carpet	5,762	/SF	7.10	\$ 40,910	\$ 40,910
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	GYP	0%	0%	50%	50%	Prefaced CMU	-	/SF	22.80	\$ -	\$ 111,629
	CeilingType A	ACT	0%	50%	50%	0%	Acoust. Ceiling & Grid	5,762	/SF	5.70	\$ 32,843	\$ 32,843
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 2,272
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	50%	50%	0%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ 5,112
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>MEDIA CENTER</b>											<b>\$ 79,576</b>	<b>\$ 192,766</b>

SUMMARY NOTES



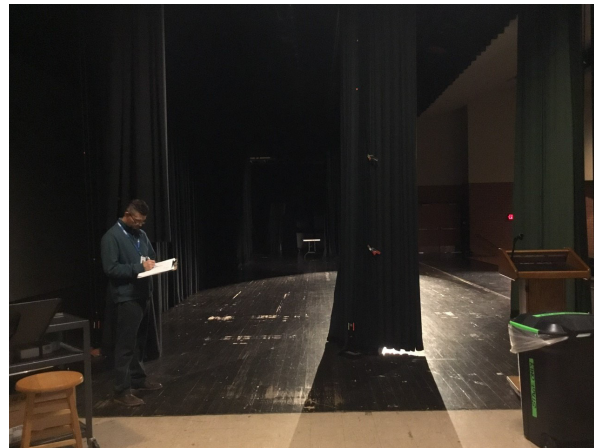
# Auditorium

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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AUDITORIUM												
	Floor/base Type A	CPT	0%	100%	0%	0%	Carpet	7,199	/SF	7.10	\$ 51,109	\$ -
	Floor/base Type B	WDG	0%	33%	0%	67%	Wood Gym Floor	695	/SF	18.50	\$ 12,861	\$ 25,721
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	Ceiling Type A	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 70,432
	Ceiling Type B	EXP	0%	0%	0%	0%	Exposed	-	/SF	2.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 28,116
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	3	EA	710.00	\$ 2,130	\$ -
<b>AUDITORIUM</b>											<b>\$ 66,100</b>	<b>\$ 124,269</b>

SUMMARY NOTES												



# Cafeteria

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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CAFETERIA														
	Floor/base Type A	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 23,712	
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	-	\$ -	
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$ -	
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 47,424	
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
	Doors		0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ -	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710	\$ -	
<b>CAFETERIA</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>71,136</b>

SUMMARY NOTES



# Kitchen / Servery

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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KITCHEN / SERVERY												
	Floor/base Type A	CT	0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$ -	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	Ceiling Type A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 16,393
	Ceiling Type B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 10,224
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	6	EA	710.00	\$ 4,260	\$ -
<b>KITCHEN / SERVERY</b>											<b>\$ 4,260</b>	<b>\$ 26,617</b>

SUMMARY NOTES												

# Offices

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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OFFICES												
	Floor/base Type A	CPT	0%	7%	76%	17%	Carpet	325	/SF	7.10	\$ 2,305	\$ 31,115
	Floor/base Type B	VCT	0%	25%	50%	0%	Vinyl Tile	160	/SF	5.70	\$ 913	\$ 1,827
	Walls / paint	GYP	0%	30%	0%	30%	Gyp. Bd.	4,376	/SF	12.80	\$ 56,010	\$ 56,010
	CeilingType A	ACT	0%	16%	61%	19%	Acoust. Ceiling & Grid	844	/SF	5.70	\$ 4,813	\$ 24,066
	CeilingType B	GB	0%	0%	50%	25%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 2,955
	Casework		0%	0%	95%	5%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 105,435
	Display Board		0%	0%	86%	14%	Display Board	-	/LF	56.80	\$ -	\$ 1,590
	Window Treatment		0%	0%	52%	48%	Window Treatment	-	/LF	42.60	\$ -	\$ 1,406
	Doors		0%	3%	36%	61%	Door (\$/ Leaf)	1	EA	2,556.00	\$ 2,556	\$ 81,792
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	31	EA	710.00	\$ 22,010	\$ -
<b>OFFICES</b>											<b>\$ 88,607</b>	<b>\$ 306,196</b>

SUMMARY NOTES





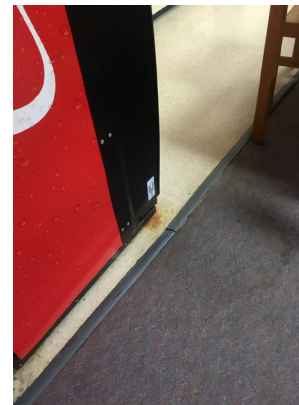
# Staff Spaces

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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STAFF SPACES												
	Floor/base Type A	CPT	0%	15%	62%	23%	Carpet	538	/SF	7.10	\$ 3,818	\$ 20,997
	Floor/base Type B	VCT	0%	75%	25%	0%	Vinyl Tile	450	/SF	5.70	\$ 2,565	\$ 855
	Walls / paint	GYP	0%	6%	29%	29%	Gyp. Bd.	480	/SF	12.80	\$ 6,144	\$ 61,440
	Ceiling Type A	ACT	0%	29%	35%	35%	Acoust. Ceiling & Grid	983	/SF	5.70	\$ 5,603	\$ 13,447
	Ceiling Type B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	13%	87%	0%	Casework - Base/Wall	28	/LF	781.00	\$ 21,868	\$ 149,952
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 454
	Window Treatment		0%	56%	44%	0%	Window Treatment	28	/LF	42.60	\$ 1,193	\$ 937
	Doors		0%	0%	50%	50%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 51,120
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	16	EA	710.00	\$ 11,360	\$ -
<b>STAFF SPACES</b>											<b>\$ 52,550</b>	<b>\$ 299,202</b>

SUMMARY NOTES												



# Mechanical Electrical and Storage Rooms

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS												
Floor/base Type A	VCT		0%	44%	44%	0%	Vinyl Tile	1,237	/SF	5.70	\$ 7,050	\$ 7,050
Floor/base Type B	CONC		0%	0%	9%	45%	Conc	-	/SF	15.70	\$ -	\$ 20,727
Walls / paint	PCMU		0%	0%	7%	7%	Prefaced CMU	-	/SF	22.80	\$ -	\$ 43,695
CeilingType A	ACT		0%	0%	50%	33%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 19,209
CeilingType B	GB		0%	22%	22%	56%	Gyp Bd.	245	/SF	14.20	\$ 3,481	\$ 12,182
Casework			0%	57%	43%	0%	Casework - Base/Wall	24	/LF	781.00	\$ 18,744	\$ 14,058
Display Board			0%	0%	100%	0%	Display Board	-	/LF	56.80	\$ -	\$ 568
Window Treatment			0%	100%	0%	0%	Window Treatment	6	/LF	42.60	\$ 256	\$ -
Doors			0%	8%	27%	65%	Door (\$/ Leaf)	3	EA	2,556.00	\$ 7,668	\$ 86,904
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	22	EA	710.00	\$ 15,620	\$ -
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$ 52,818</b>	<b>\$ 204,393</b>

SUMMARY NOTES												



# Custodial

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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CUSTODIAL														
Floor/base Type A	CONC		0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	-	\$	-
Floor/base Type B	VCT		0%	0%	0%	0%	Conc	-	/SF	15.70	\$	-	\$	-
Walls / paint	PCMU		0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$	-
CeilingType A	EXP		0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$	-
CeilingType B	ACT		0%	0%	0%	0%	Plaster	-	/SF	-	\$	-	\$	-
Lockers			0%	0%	0%	0%	Lockers	-	EA	177.50	\$	-	\$	-
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$	-
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$	-
Doors			0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$	2,556
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$	-
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$	-
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$	-
Corridor Doors Not Lockable from the Inside							Secure corridor doors	1	EA	710.00	\$	710	\$	-
<b>CUSTODIAL</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>2,556</b>

SUMMARY NOTES												

# Mechanical

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL												
	Controls System			X			Tridium /JCI system	160,285	SF	\$ 2.82	\$ 452,004	\$ -
	Temperature Controls Upgrade				X		Needs some upgrading from Pneumatic to DDC	160,285	SF	\$ 2.82	\$ -	\$ 452,004
	Classroom HVAC Systems			X			D Wing - UV/ACCu on Roof	14	EA	\$ 17,625.00	\$ 246,750	\$ -
	Gym HVAC			X			(2) Make-up Air Units - Gass Fired Reznor	2	EA	\$ 90,240.00	\$ 180,480	\$ -
	Computer Lab HVAC					X	New ACCu on roof.	1	EA	\$ 17,625.00	\$ -	\$ 17,625
	Media Center HVAC				X		System needs updating Compressor recently changed.	1	EA	\$ 100,110.00	\$ -	\$ 100,110
	Auditorium HVAC					X	(3) AHUs - Functional, no issues.	3	EA	\$ 100,110.00	\$ -	\$ 300,330
	Pool HVAC			X			(1) Dectron Heating Unit	1	EA	\$ 117,735.00	\$ 117,735	\$ -
	Boilers - Total Capacity			X			Needs replacing	1	EA	\$ 142,861.20	\$ 142,861	\$ -
	Boiler Pumps, VFDs, Tanks, Accessories					X	Good working order	1	EA	\$ 73,531.50	\$ -	\$ 73,532
	Boiler/HVAC Piping-Total				X		Good working order	1	EA	\$ 454,584.00	\$ -	\$ 454,584
	Water Treatment					X		1	EA	\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust					X	Good working order	1	EA	\$ 14,523.00	\$ -	\$ 14,523
	Restroom Exhaust			X			end of life. Needs replacing.	5	EA	\$ 4,935.00	\$ 24,675	\$ -
	Pool Pump Room		X				Non-existent	1	EA	\$ 6,345.00	\$ 6,345	\$ -
<b>MECHANICAL</b>											<b>\$ 1,170,850</b>	<b>\$ 1,440,343</b>

**SUMMARY NOTES**

*The boilers were converted from steam to hot water some time ago but are in working order. Though in working order, the boilers are over 50 years old and need replacing. The building is a hodge-podge of heating and cooling systems and are not streamlined. The controls are sporadic as well and not all systems will communicate with the JCI Tridium system. The pool area, below, has a makeshift venting system and there is massive corrosion on all metal in the pool pump room. This area needs a ventilation system ASAP. Locker rooms have a heating only MAU. The equipment used to cool the library area is 20+ years old and there is a bad compressor that needs replacing. There is no AC in Area B and Area C has in-wall AC units. The gym has two MAU units for heating, but only one works. Area A has some unit vents and Area D has DX cooling, but not 100%.*



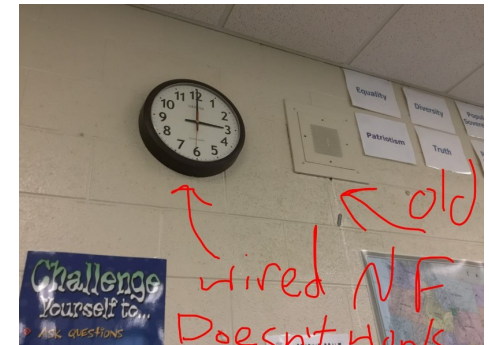
# Electrical

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
<b>ELECTRICAL</b>												
	Site Lighting Pole Lights/Pole Type Lights			X			Replace with LED	20	EA	\$1,692.00	\$ 33,840	\$ -
	Exterior building Lighting			X			Replace with LED	34	EA	\$493.50	\$ 16,779	\$ -
	Exterior Lighting Controls			X			Replace with photocell	34	EA	\$70.50	\$ 2,397	\$ -
	Interior Lighting			X			Replace with LED	160,285	SF	\$8.46	\$ 1,356,011	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	160,285	SF	\$2.82	\$ 452,004	\$ -
	Classrooms/Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Public Address System			X			Needs to be Replaced/Upgraded	160,285	SF	\$3.53	\$ 565,005	\$ -
	Electrical Distribution			X			Needs upgrading	160,285	SF	\$6.20	\$ 994,408	\$ -
	Distribution Panels and Panelboards				X		Replace old panels	7	EA	\$3,525.00	\$ -	\$ 24,675
	Fire Alarm System						There is an old Honeywell system with a newer Siemens system tied in.	160,285	SF	\$4.23	\$ -	\$ -
<b>ELECTRICAL</b>											<b>\$ 3,420,444</b>	<b>\$ 24,675</b>

**SUMMARY NOTES**

*There is a large parking lot south of the building that has light poles in various states of disrepair. At the very least, the heads should be changed to LED with poles and bases replaced as need be. All lighting (interior & Exterior) should be changed to LED and proper controls added to maximize energy efficiency. The FA system is in good order. Main electrical service to the building is at capacity and needs to be upgraded. There is a generator but is solely used for the kitchen equipment as it was purchased by the Food Service department.*



# Plumbing

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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PLUMBING												
	Fire Suppression					X	Functional	160,285	SF	\$ 1.41	\$ -	\$ 226,001.85
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)		X				Sinks/lavatories plug regularly. High maintenance.	117	EA	\$ 2,115.00	\$ 247,455	\$ -
	Roof Drains					X	Functional	30	EA	\$ 1,551.00	\$ -	\$ 46,530.00
	Water Fountains				X		Functional nearing end of life	18	EA	\$ 4,864.50	\$ -	\$ 87,561.00
	Floor Drains					X	Functional	51	EA	\$ 1,311.30	\$ -	\$ 66,876.30
	Kitchen Grease Trap						No operational issues	1	EA	\$ 35,250.00	\$ -	\$ -
	Kitchen Water Heater					X	Functional	1	EA	\$ 41,454.00	\$ -	\$ 41,454.00
	Sump Pump		X				Tunnel sumps need constant checking.	2	EA	\$ 5,287.50	\$ 10,575	\$ -
	Water Softener						No operational issues	1	EA	\$ 32,289.00	\$ -	\$ -
	Water Heaters - Building						Functional - No capacity issues	2	EA	\$ 43,851.00	\$ -	\$ -
	Domestic HW/CW Piping						No galvanized piping.	1	EA	\$ 452,610.00	\$ -	\$ -
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,248.50
	Gas Piping - Total					X	No operational issues	1	EA	\$ 31,584.00	\$ -	\$ 31,584.00
	Recirculation Pump							2	EA	\$ 4,935.00	\$ -	\$ -
	Outside Hose Bibbs							5	EA	\$ 4,230.00	\$ 21,150	\$ -
<b>PLUMBING</b>											<b>\$ 279,180</b>	<b>\$ 508,256</b>

SUMMARY NOTES												



# Technology

Holt Junior High School School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Spend within 3 yrs)	COST (Replace in 4-9 years)
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TECHNOLOGY												
	Building Technology							160,285	SF	\$ 1.41	-	\$ -
	Classroom Technology				100%		Ceiling Projectors & screens	49	EA	\$ 3,243.00	-	\$ 158,907
	Kids Chromebooks						Chromebooks		EA	\$ 493.50	-	\$ -
	Teacher Laptops						MS based laptops w/ ROM drives		EA	\$ 564.00	-	\$ -
	Safety & Security				100%		Main Entrance Door Buzzer System	22	EA	\$ 5,865.60	-	\$ 129,043
	Video Surveillance		100%				Two cameras at the front entrance	17	EA	\$ 6,556.50	111,461	\$ -
<b>TECHNOLOGY</b>											<b>\$ 111,461</b>	<b>\$ 287,950</b>

**SUMMARY NOTES**  
*The building's server seems to be in good order and no issues were noted in the pre-walk meeting. Classroom technology is mostly whiteboards and only the math classes have smartboards nearing end of life. Teachers have requested Windows-based laptops with ROM for each teacher and a 1:1 ratio of Chromebooks to students. Building security system seems to be in good order as well, but there are no FOB's for secure entrance and there is only a single security lock system at the main entrance which requires someone in the main office to buzz people in. The building does have video surveillance cameras but could use additional for safety & Security. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Grade 12 - North Campus Supporting Detail

5780 West Holt Road  
Holt, MI 48842

111,285 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1975  
*Year Built*



## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the North Campus according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SITE													
	Fencing	N/A					Fencing	-	/LF	14.20	\$	-	\$
	Signage			100%			Signage	6	/EA	142.00	\$	852	\$
	Grading/Lawn/Landscaping			100%			Lawn/Landscaping	1.00	/LS	71,000.00	\$	71,000	\$
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	-	\$	-	\$
	Storm Sewer Piping/Structures/Detention			100%			Storm Sewer Piping/Structures	1	/LS	46,860.00	\$	46,860	\$
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$	-	\$
	Concrete Curbs			100%			Concrete Curbs	1,250	/LF	35.50	\$	44,375	\$
	HD Asphalt			100%			HD Asphalt	31,950	/SF	10.70	\$	341,865	\$
	LD Asphalt						LD Asphalt	-	/SF	7.10	\$	-	\$
	Walks			100%			Concrete Walks	6,700	/SF	12.80	\$	85,760	\$
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	1,900	/SF	28.40	\$	53,960	\$
	Play Areas/Pathway			100%			LD Asphalt	-	/SF	7.10	\$	-	\$
	Comp. Athletic Field	N/A					Comp. Athletic Field	-	/EA	-	\$	-	\$
	Practice Athletic Field	Assumed no improvements					Practice Athletic Field	-	/EA	-	\$	-	\$
	Play Surface	N/A					Play Surface	-	/SY	28.40	\$	-	\$
<b>SITE</b>											<b>\$</b>	<b>644,672</b>	<b>\$</b>

**SUMMARY NOTES**  
 See Appendix A for comments and additional images.



# Building Exterior Zone A

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone A												
	Roof A:		0%	0%	100%	0%	PVC	-	/SF	22.80	\$ -	\$ 1,326,960
	Roof B:		0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
	Roof C:		0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
	Roof Edge:		0%	0%	46%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ 20,570
	Window A:		0%	0%	6%	94%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 19,383
	Window B:		0%	0%	0%	100%	Curtain Wall	-	/SF	142.00	\$ -	\$ 4,260
	Window C:		0%	0%	0%	100%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 11,076
	Entry Doors:		0%	0%	25%	33%	Entry doors:	-	/EA	4,260.00	\$ -	\$ 29,820
	Service Door:		0%	0%	50%	17%	Service Doors:	-	/EA	5,680.00	\$ -	\$ 22,720
	O H Door:		0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
	Walls:		0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$ -	\$ -
	Soffits:		0%	0%	0%	100%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ 13,338
	Canopies:		0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ -</b>	<b>\$ 1,448,127</b>

SUMMARY NOTES



# Building Exterior Zone B

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone B												
Roof A:			0%	23%	0%	0%	PVC	9,800	/SF	22.80	\$ 223,440	\$ -
Roof B:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
Roof C:			0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
Roof Edge:			0%	27%	0%	0%	Metal Coping:	327	/LF	24.20	\$ 7,920	\$ -
Window A:			0%	0%	0%	100%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 19,383
Window B:			0%	0%	0%	100%	Curtain Wall	-	/SF	142.00	\$ -	\$ 34,080
Window C:			0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
Entry Doors:			0%	11%	16%	74%	Entry doors:	2	/EA	4,260.00	\$ 8,520	\$ 72,420
Service Door:			0%	31%	15%	54%	Service Doors:	4	/EA	5,680.00	\$ 22,720	\$ 51,120
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
Walls:			0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$ -	\$ -
Soffits:			0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
Canopies:			0%	0%	0%	0%	Canopies	-			\$ -	\$ -
<b>BUILDING EXTERIOR Zone B</b>											<b>\$ 262,600</b>	<b>\$ 177,003</b>

SUMMARY NOTES



# Lobbies and Vestibules

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES														
	Floor/base Type A	TZ	0%	0%	0%	0%	Terrazzo	-	/SF	42.60	\$	-	\$	-
	Floor/base Type B	CT	0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$	-	\$	-
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$	-
	Ceiling Type A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$	3,420
	Ceiling Type B	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$	-	\$	8,179
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$	-
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$	-
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$	-
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$	23,004
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$	-
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$	-
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$	-
	Secure Entry						Create Secure Entry	1	Allow	207,000.00	\$	207,000	\$	-
<b>LOBBIES AND VESTIBULES</b>											<b>\$</b>	<b>207,000</b>	<b>\$</b>	<b>34,603</b>

**SUMMARY NOTES**



# Corridors Stairs and Elevators

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CORRIDORS STAIRS AND ELEVATORS													
	Floor/base Type A	TZ	0%	0%	0%	100%	Terrazzo	-	/SF	42.60	\$	-	\$ 298,370
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	-	\$ -
	Walls / paint	GYP	0%	0%	0%	31%	Gyp. Bd.	-	/SF	12.80	\$	-	\$ 72,531
	Ceiling Type A	ACT	0%	0%	8%	92%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 55,655
	Ceiling Type B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -
	Casework		0%	0%	89%	11%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 70,290
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 40,896
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -
<b>CORRIDORS STAIRS AND ELEVATORS</b>											<b>\$</b>	<b>-</b>	<b>\$ 537,742</b>

SUMMARY NOTES



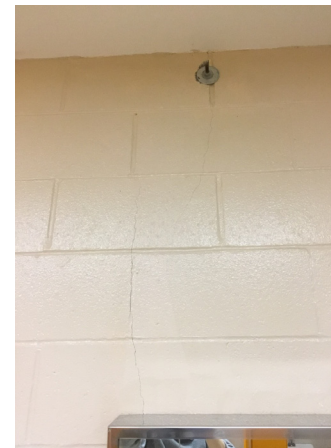
# Toilet Rooms

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TOILET ROOMS												
	Floor/base Type A	CT	0%	8%	0%	8%	Ceramic Tile	149	/SF	21.30	\$ 3,174	\$ 3,174
	Floor/base Type B	VCT	0%	50%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
	Walls / paint	GYP	0%	21%	0%	21%	Gyp. Bd.	1,035	/SF	12.80	\$ 13,253	\$ 13,253
	CeilingType A	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 20,363
	CeilingType B	ACT	0%	0%	0%	78%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 1,569
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 39,050
	Toilet Partitions		0%	0%	0%	0%	Toilet Partitions	-	/LF	177.50	\$ -	\$ -
	Toilet Accessories		0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ -
	Doors		0%	0%	22%	78%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 23,004
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	11	EA	710.00	\$ 7,810	\$ -
<b>TOILET ROOMS</b>											<b>\$ 24,237</b>	<b>\$ 100,413</b>

SUMMARY NOTES												



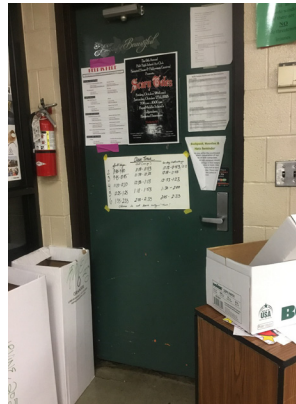
# Classrooms

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CLASSROOMS												
	Floor/base Type A	CPT	0%	9%	0%	91%	Carpet	1,046	/SF	7.10	\$ 7,426	\$ 74,256
	Floor/base Type B	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 1,560
	Walls / paint	GYP	0%	0%	0%	36%	Gyp. Bd.	-	/SF	12.80	\$ -	\$ 52,503
	Ceiling Type A	ACT	0%	0%	9%	91%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 67,135
	Ceiling Type B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	15%	41%	44%	Casework - Base/Wall	40	/LF	781.00	\$ 31,240	\$ 176,506
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 11,360
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 2,300
	Doors		0%	0%	11%	89%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 48,564
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	11	EA	710.00	\$ 7,810	\$ -
<b>CLASSROOMS</b>											<b>\$ 46,476</b>	<b>\$ 434,183</b>

SUMMARY NOTES





# Art Rooms

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ART ROOMS														
	Floor/base Type A	CONC	0%	0%	0%	0%	Conc	-	/SF	15.70	\$	-	\$	-
	Floor/base Type B	CPT	0%	100%	0%	0%	Carpet	110	/SF	7.10	\$	782	\$	-
	Walls / paint	GYP	0%	0%	50%	0%	Gyp. Bd.	-	/SF	12.80	\$	-	\$	8,602
	Ceiling Type A	ACT	0%	0%	50%	50%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$	6,692
	Ceiling Type B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$	-
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$	57,794
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$	-
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$	-
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$	12,780
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$	-
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$	-
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$	-
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$	1,420	\$	-
<b>ART ROOMS</b>											<b>\$</b>	<b>2,202</b>	<b>\$</b>	<b>85,867</b>

SUMMARY NOTES



# Music Rooms

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MUSIC ROOMS														
	Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	- \$ 10,089		
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	- \$ -		
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	- \$ -		
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	- \$ 8,100		
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	- \$ -		
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	- \$ -		
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	- \$ 1,590		
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	- \$ -		
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	- \$ 7,668		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	- \$ -		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	- \$ -		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	- \$ -		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710 \$ -		
<b>MUSIC ROOMS</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>27,447</b>

SUMMARY NOTES												

# Science Labs

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SCIENCE LABS														
	Floor/base Type A	VCT	0%	0%	0%	100%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 15,869	
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	-	\$ -	
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$ -	
	Ceiling Type A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 15,869	
	Ceiling Type B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
	Casework		0%	0%	66%	34%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 181,192	
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 2,499	
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 1,491	
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 15,336	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$	1,420	\$ -	
<b>SCIENCE LABS</b>											<b>\$</b>	<b>1,420</b>	<b>\$</b>	<b>232,256</b>

SUMMARY NOTES												



# Computer Labs

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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COMPUTER LABS														
	Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	- \$ 11,133		
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	- \$ -		
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	- \$ -		
	Ceiling Type A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	- \$ 8,938		
	Ceiling Type B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	- \$ -		
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	- \$ 4,686		
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	- \$ 2,272		
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	- \$ 383		
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	- \$ 5,112		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	- \$ -		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	- \$ -		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	- \$ -		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710 \$ -		
<b>COMPUTER LABS</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>32,524</b>

SUMMARY NOTES



# Gymnasiums

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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GYMNASIUMS														
	Floor/base Type A	WDG	0%	0%	100%	0%	Wood Gym Floor	-	/SF	18.50	\$	\$ 322,455		
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-		
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-		
	Ceiling Type A	EXP	0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	-		
	Ceiling Type B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-		
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$	-		
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-		
	Gym Equipment		0%	0%	0%	0%	Gym Equipment	-	EA	3,550.00	\$	-		
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	\$ 40,896		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$	\$ 1,420		
<b>GYMNASIUMS</b>											<b>\$</b>	<b>1,420</b>	<b>\$</b>	<b>363,351</b>

SUMMARY NOTES



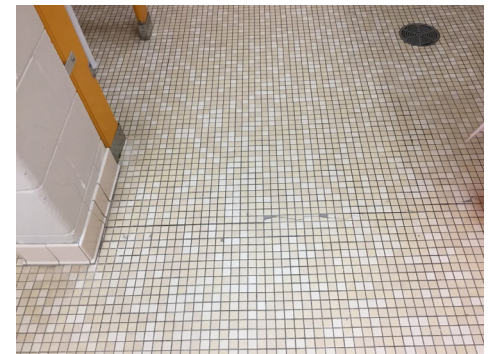
# Locker Rooms

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOCKER ROOMS												
	Floor/base Type A	CT	0%	100%	0%	0%	Ceramic Tile	3,256	/SF	21.30	\$ 69,353	\$ -
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$ -	\$ -
	Ceiling Type A	GB	0%	0%	100%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 46,235
	Ceiling Type B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
	Lockers		0%	100%	0%	0%	Lockers	324	EA	177.50	\$ 57,510	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Toilet Accessories		0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$ -	\$ -
	Doors		0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ -
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$ 1,420	\$ -
<b>LOCKER ROOMS</b>											<b>\$ 128,283</b>	<b>\$ 46,235</b>

SUMMARY NOTES												



# Media Center

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MEDIA CENTER														
	Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	- \$ 22,890		
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	- \$ -		
	Walls / paint	GYP	0%	0%	0%	0%	Gyp. Bd.	-	/SF	12.80	\$	- \$ -		
	Ceiling Type A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	- \$ 18,377		
	Ceiling Type B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	- \$ -		
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	- \$ -		
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	- \$ -		
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	- \$ -		
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	- \$ 2,556		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	- \$ -		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	- \$ -		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	- \$ -		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710 \$ -		
<b>MEDIA CENTER</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>43,823</b>

SUMMARY NOTES



# Cafeteria

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CAFETERIA														
	Floor/base Type A	CPT	0%	0%	0%	50%	Carpet	-	/SF	7.10	\$	- \$ 1,396		
	Floor/base Type B	CONC	0%	0%	0%	100%	Conc	-	/SF	15.70	\$	- \$ 3,972		
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	- \$ -		
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	- \$ 12,651		
	CeilingType B	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$	- \$ 27,924		
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	- \$ -		
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	- \$ -		
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	- \$ -		
	Doors		0%	0%	100%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	- \$ 23,004		
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	- \$ -		
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	- \$ -		
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	- \$ -		
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$	1,420 \$ -		
<b>CAFETERIA</b>											<b>\$</b>	<b>1,420</b>	<b>\$</b>	<b>68,948</b>

SUMMARY NOTES												





# Kitchen / Servery

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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KITCHEN / SERVERY														
	Floor/base Type A	CT	0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$	-	\$	-
	Floor/base Type B	CONC	0%	0%	0%	0%	Conc	-	/SF	15.70	\$	-	\$	-
	Walls / paint	PCMU	0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	-	\$	-
	Ceiling Type A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$	4,646
	Ceiling Type B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$	-
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$	-
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$	-
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$	-
	Doors		0%	0%	33%	67%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$	15,336
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$	-
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$	-
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$	-
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	3	EA	710.00	\$	2,130	\$	-
<b>KITCHEN / SERVERY</b>											<b>\$</b>	<b>2,130</b>	<b>\$</b>	<b>19,982</b>

SUMMARY NOTES



# Offices

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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OFFICES												
	Floor/base Type A	CPT	0%	0%	3%	97%	Carpet	-	/SF	7.10	\$ -	\$ 68,618
	Floor/base Type B	VCT	0%	13%	38%	50%	Vinyl Tile	154	/SF	5.70	\$ 876	\$ 6,132
	Walls / paint	GYP	0%	0%	0%	48%	Gyp. Bd.	-	/SF	12.80	\$ -	\$ 133,227
	Ceiling Type A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 57,960
	Ceiling Type B	GB	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 10,302
	Casework		0%	6%	0%	94%	Casework - Base/Wall	8	/LF	781.00	\$ 6,248	\$ 100,749
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 6,589
	Window Treatment		0%	0%	8%	92%	Window Treatment	-	/LF	42.60	\$ -	\$ 4,175
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 138,024
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	43	EA	710.00	\$ 30,530	\$ -
<b>OFFICES</b>											<b>\$ 37,654</b>	<b>\$ 525,776</b>

SUMMARY NOTES												



# Staff Spaces

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## STAFF SPACES

Floor/base Type A	CPT	0%	0%	0%	86%	Carpet	-	/SF	7.10	\$	-	\$ 13,802
Floor/base Type B	VCT	0%	0%	50%	25%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 6,908
Walls / paint	PCMU	0%	0%	9%	9%	Prefaced CMU	-	/SF	22.80	\$	-	\$ 28,919
Ceiling Type A	ACT	0%	0%	11%	89%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 19,585
Ceiling Type B	GB	0%	0%	100%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ 6,362
Casework		0%	37%	11%	51%	Casework - Base/Wall	30	/LF	781.00	\$	23,207	\$ 39,273
Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 1,363
Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 682
Doors		0%	0%	25%	75%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 40,896
Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -
Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -
Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -
Corridor Doors Not Lockable from the Inside						Secure corridor doors	10	EA	710.00	\$	7,100	\$ -
<b>STAFF SPACES</b>											<b>\$ 30,307</b>	<b>\$ 157,790</b>

## SUMMARY NOTES



# Mechanical Electrical and Storage Rooms

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS												
	Floor/base Type A	CPT	0%	0%	30%	70%	Carpet	-	/SF	7.10	\$ -	\$ 10,529
	Floor/base Type B	VCT	0%	0%	0%	67%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 5,624
	Walls / paint	GYP	0%	0%	9%	27%	Gyp. Bd.	-	/SF	12.80	\$ -	\$ 37,385
	CeilingType A	ACT	0%	0%	13%	87%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 10,157
	CeilingType B	EXP	0%	0%	100%	0%	Exposed	-	/SF	2.20	\$ -	\$ 2,473
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 37,488
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 85
	Doors		0%	10%	50%	40%	Door (\$/ Leaf)	2	EA	2,556.00	\$ 5,112	\$ 46,008
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	21	EA	710.00	\$ 14,910	\$ -
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$ 20,022</b>	<b>\$ 149,750</b>

SUMMARY NOTES



# Flex Spaces

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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FLEX SPACES														
Floor/base Type A	CPT		0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	\$ 7,604		
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	\$ -		
Walls / paint	PCMU		0%	0%	0%	0%	Prefaced CMU	-	/SF	22.80	\$	\$ -		
Ceiling Type A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	\$ 6,105		
Ceiling Type B	EXP		0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	\$ -		
Casework			0%	0%	30%	70%	Casework - Base/Wall	-	/LF	781.00	\$	\$ 35,926		
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	\$ -		
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	\$ 596		
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	\$ 10,224		
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	\$ -		
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	\$ -		
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	\$ -		
Corridor Doors Not Lockable from the Inside							Secure corridor doors	2	EA	710.00	\$	\$ 1,420		
<b>FLEX SPACES</b>											<b>\$</b>	<b>1,420</b>	<b>\$</b>	<b>60,455</b>

SUMMARY NOTES												



# Custodial

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CUSTODIAL														
	Floor/base Type A	CONC	0%	0%	0%	0%	Conc	-	/SF	15.70	\$	-	\$	-
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$	-
	Walls / paint	GYP	0%	0%	0%	0%	Gyp. Bd.	-	/SF	12.80	\$	-	\$	-
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$	479
	CeilingType B	EXP	0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	-	\$	-
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$	-	\$	-
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$	-
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$	-
	Doors		0%	0%	50%	50%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$	5,112
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$	-
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$	-
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$	-
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$	1,420	\$	-
<b>CUSTODIAL</b>											<b>\$</b>	<b>1,420</b>	<b>\$</b>	<b>5,591</b>

SUMMARY NOTES												



# Mechanical

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL												
	Controls System				X		Tridium /JCI system	111,285	SF	\$ 2.82	\$ -	\$ 313,824
	Temperature Controls Upgrade				X		Needs some upgrading from Pnumatic to DDC in 400 Wing	111,285	SF	\$ 2.82	\$ -	\$ 313,824
	Classroom HVAC Systems		X				Multizone AHU at end of life	1	EA	\$ 32,148.00	\$ 32,148	\$ -
	Gym HVAC			X			(4) Heating Units - Gas Fired	4	EA	\$ 120,132.00	\$ -	\$ 480,528
	Locker Room HVAC			X			(1) Aeon Unit	1	EA	\$ 91,650.00	\$ -	\$ 91,650
	Media Center HVAC			X			System needs updating .	1	EA	\$ 100,110.00	\$ -	\$ 100,110
	Boilers - Total Capacity					X	Good working order	1	EA	\$ 142,861.20	\$ -	\$ 142,861
	Boiler Pumps, VFDs, Tanks, Accessories					X	Good working order	1	EA	\$ 73,531.50	\$ -	\$ 73,532
	Boiler/HVAC Piping-Total					X	Good working order	1	EA	\$ 454,584.00	\$ -	\$ 454,584
	Water Treatment					X		1	EA	\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust		X				Needs maintenance and/r replacement	1	EA	\$ 14,523.00	\$ 14,523	\$ -
	Restroom Exhaust		X				End of life, needs replacing.	14	EA	\$ 4,935.00	\$ 69,090	\$ -
<b>MECHANICAL</b>											<b>\$ 115,761</b>	<b>\$ 1,998,548</b>

**SUMMARY NOTES**  
*The existing system is old and outdated. Currently there are only two (2) areas where there is heating and cooling functions and that is in the computer lab and media center. Existing unit vents, hot water piping, etc. are in need of replacement with a system that includes cooling. Boilers are well maintained, but are at or near End-of-Life. HVAC controls are outdated and mostly pnumatic. They do not communicate with any BMS system and need upgrading to DDC. Kitchen HVAC equipment is newer and in good, functioning condition. Bathroom EF's are older, but seem to be functioning well for their age.*

# Electrical

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ELECTRICAL												
	Site Lighting Pole Lights			X			Replace with LED	15	EA	\$1,692.00	\$ 25,380	\$ -
	Site Lighting Pole Lights (Add in Rear Lot)			X			Add with LED	2	EA	\$7,050.00	\$ 14,100	\$ -
	Site Lighting Pole Lights (Add East Walkway to Holt Rd.)			X			Add with LED	5	EA	\$4,935.00	\$ 24,675	\$ -
	Exterior building Lighting			X			Replace with LED	18	EA	\$4,935.00	\$ 88,830	\$ -
	Exterior Lighting Controls			X			Replace with photocell	18	EA	\$493.50	\$ 8,883	\$ -
	Interior Lighting			X			Replace with LED	111,285	SF	\$8.46	\$ 941,471	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	111,285	SF	\$2.82	\$ 313,824	\$ -
	Classrooms/Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Public Address System			X			Needs to be Replaced/Upgraded	1	EA	\$1.76	\$ 2	\$ -
	Electrical Distribution			X			Will need to be upgraded if AC is added	111,285	SF	\$6.20	\$ 690,412	\$ -
	Distribution Panels and Panelboards				X		Replace old panels	7	EA	\$3,525.00	\$ -	\$ 24,675
	Fire Alarm System						N/A	111,285	SF	\$4.23	\$ -	\$ -
<b>ELECTRICAL</b>											<b>\$ 2,107,577</b>	<b>\$ 24,675</b>

**SUMMARY NOTES**  
*All lighting (interior & Exterior) should be changed to LED and proper controls added to maximize energy efficiency. There is a need to add more pole lighting from the East corner of the building along the walkway up to Holt Rd. The FA system is relatively new and in good working order. Main electrical service to the building is poor with multiple issues and needs to be upgraded ASAP including changing of the switchgear.*



# Plumbing

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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PLUMBING												
	Fire Suppression	N/A					N/A	111,285	SF	\$ 1.41	\$ -	\$ 156,911.85
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)					X	Fair condition-Functional	71	EA	\$ 2,115.00	\$ -	\$ 150,165.00
	Roof Drains					X	Functional	32	EA	\$ 1,551.00	\$ -	\$ 49,632.00
	Water Fountains				X		Functional nearing end of life	12	EA	\$ 4,864.50	\$ -	\$ 58,374.00
	Floor Drains				X		Functional	18	EA	\$ 1,311.30	\$ -	\$ 23,603.40
	Kitchen Grease Trap						No operational issues	1	EA	\$ 35,250.00	\$ -	\$ -
	Kitchen Water Heater				X		Functional - Nearing end of life	1	EA	\$ 41,454.00	\$ -	\$ 41,454.00
	Water Softener					X	No operational issues	1	EA	\$ 32,289.00	\$ -	\$ 32,289.00
	Water Heaters - Building					X	Functional - No capacity issues	2	EA	\$ 43,851.00	\$ -	\$ 87,702.00
	Domestic HW/CW Piping					X	No galvanized piping.	1	EA	\$ 452,610.00	\$ -	\$ 452,610.00
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,248.50
	Gas Piping - Total					X	No operational issues	1	EA	\$ 31,584.00	\$ -	\$ 31,584.00
	Recirculation Pump					X		2	EA	\$ 4,935.00	\$ -	\$ 9,870.00
<b>PLUMBING</b>											\$ -	\$ <b>1,102,444</b>

**SUMMARY NOTES**  
*There is zero fire suppression in the building. In any future addition, note will have to be taken to see if any fire suppression will be required. Much of the plumbing piping system is original and is a mix of copper and galvanized piping prone to leaking issues. Much of the original piping is under the slab and cannot be accessed for service or to check for issues. Much of the existing equipment is operational, but is either at or near its useful life.*

# Technology

Grade 12- North Campus

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TECHNOLOGY												
Building Technology								111,285	SF	\$ 1.41	-	\$ -
Classroom Technology					100%		Ceiling Projectors & Smartboards	6	EA	\$ 3,243.00	-	\$ 19,458
Building Visual Display Boards			100%				30" Visual Monitors	3	EA	\$ 3,525.00	10,575	\$ -
Kids Chromebooks							Chromebooks		EA	\$ 493.50	-	\$ -
Teacher Laptops							MS based laptops w/ ROM drives		EA	\$ 564.00	-	\$ -
Safety & Security					100%		Main Entrance Door Buzzer System	13	EA	\$ 5,865.60	-	\$ 76,253
Video Surveillance			100%				One camera at the front entrance	12	EA	\$ 6,556.50	78,678	
<b>TECHNOLOGY</b>											<b>\$ 89,253</b>	<b>\$ 95,711</b>

**SUMMARY NOTES**  
*The building's server seems to be in good order and no issues were noted in the pre-walk meeting. Classroom technology is in good condition but may be on the side of being outdated. Only the math classes have smartboards and are the only ones needing replacement. Teachers have requested Windows-based laptops with ROM for each teacher and a 1:1 ratio of Chromebooks to students. Building security seems to be in good order as well, but there is one FOB for secure entrance to the school with two more at the admin entrances. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Holt High School Supporting Detail

5885 West Holt Road  
Holt, MI 48842

340,000 Square Feet  
*Building Area*

3 Floors  
*Number of Floors*

2003  
*Year Built*

## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Holt High School according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SITE														
	Fencing	N/A					Fencing	-	/LF	14.20	\$	-	\$	-
	Signage			100%			Signage	20	/EA	142.00	\$	2,840	\$	-
	Grading/Lawn/Landscaping	Softball field has standing water	100%				Lawn/Landscaping	1.00	/LS	21,300.00	\$	21,300	\$	-
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	-	\$	-	\$	-
	Storm Sewer Piping/Structures/Detention	Assumed no improvements					Storm Sewer Piping/Structures	-	/LS	-	\$	-	\$	-
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$	-	\$	-
	Concrete Curbs			100%			Concrete Curbs	2,650	/LF	35.50	\$	94,075	\$	-
	HD Asphalt			10%	40%	50%	HD Asphalt	15,688	/SF	10.70	\$	167,862	\$	1,510,754
	LD Asphalt			10%	30%	60%	LD Asphalt	42,131	/SF	7.10	\$	299,130	\$	2,692,171
	Walks			100%			Concrete Walks	10,000	/SF	12.80	\$	128,000	\$	-
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	6,600	/SF	28.40	\$	187,440	\$	-
	Play Areas/Pathway	N/A					LD Asphalt	-	/SF	7.10	\$	-	\$	-
	Comp. Athletic Field	See Item e. above					Comp. Athletic Field	-	/EA	-	\$	-	\$	-
	Practice Athletic Field	Assumed no improvements					Practice Athletic Field	-	/EA	-	\$	-	\$	-
	Resurface Running Track		100%				Resurface Running Track	1	LS	525,000.00	\$	525,000	\$	-
<b>SITE</b>											<b>\$</b>	<b>1,425,647</b>	<b>\$</b>	<b>4,202,925</b>

SUMMARY NOTES	
See Appendix A for comments and additional images.	



# Building Exterior Zone A

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone A												
Roof A:			0%	0%	0%	100%	PVC	-	/SF	22.80	\$ -	\$ 3,239,880
Roof B:			0%	0%	0%	100%	PVC	-	/SF	22.80	\$ -	\$ 307,800
Roof C:			0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
Roof Edge:			0%	0%	0%	100%	Metal Coping:	-	/LF	24.20	\$ -	\$ 29,040
Window A:			0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
Window B:			0%	0%	0%	0%	Curtain Wall	-	/SF	142.00	\$ -	\$ -
Window C:			0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
Entry Doors:			0%	0%	0%	0%	Entry doors:	-	/EA	4,260.00	\$ -	\$ -
Service Door:			0%	0%	0%	0%	Service Doors:	-	/EA	5,680.00	\$ -	\$ -
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
Walls:			2%	0%	0%	0%	Wall Rebuild:	500	/SF	28.40	\$ 14,200	\$ -
Soffits:			0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ 14,200</b>	<b>\$ 3,576,720</b>

SUMMARY NOTES



# Lobbies and Vestibules

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES														
Floor/base Type A	VCT		0%	0%	0%	50%	Carpet	-	/SF	7.10	\$	-	\$ 36,672	
Floor/base Type B	CPT		0%	0%	0%	50%	Carpet	-	/SF	7.10	\$	-	\$ 3,685	
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$ -	
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 64,342	
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 74,124	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Secure Entry							Create Secure Entry	1	Allow	35,500.00	\$	35,500	\$ -	
<b>LOBBIES AND VESTIBULES</b>											<b>\$</b>	<b>35,500</b>	<b>\$</b>	<b>178,822</b>

SUMMARY NOTES												



# Corridors Stairs and Elevators

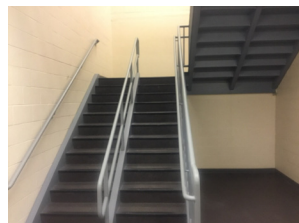
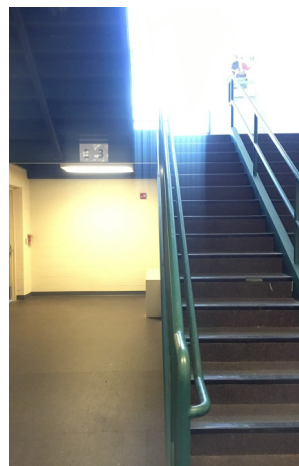
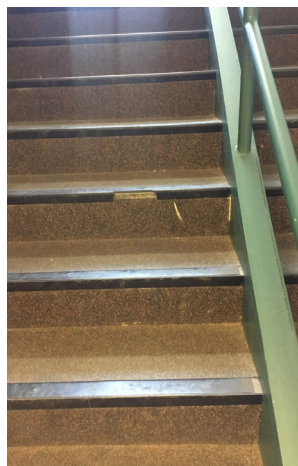
Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## CORRIDORS STAIRS AND ELEVATORS

Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	-	\$ 125,741	
Floor/base Type B	SV	0%	0%	0%	33%	Sheet Vinyl(Linoleum/Sheet Rubber)	-	/SF	15.70	\$	-	\$ 45,410	
Walls / paint	CMU	0%	0%	0%	8%	CMU	-	/SF	15.70	\$	-	\$ 61,434	
CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 158,192	
CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 709,929	
Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 127,800	
Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
<b>CORRIDORS STAIRS AND ELEVATORS</b>											\$	-	\$ <b>1,228,506</b>

## SUMMARY NOTES





# Toilet Rooms

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TOILET ROOMS														
Floor/base Type A	CT		0%	0%	0%	4%	Ceramic Tile	-	/SF	21.30	\$	-	\$ 2,745	
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ -	
Walls / paint	CMU		0%	0%	0%	9%	Prefaced CMU	-	/SF	22.80	\$	-	\$ 16,939	
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 16,638	
CeilingType B	GB		0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$	-	\$ 639	
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
Toilet Partitions			0%	0%	0%	100%	Toilet Partitions	-	/LF	177.50	\$	-	\$ 15,620	
Toilet Accessories			0%	0%	0%	100%	Toilet Accessories	-	EA	2,414.00	\$	-	\$ 210,018	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 48,564	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	23	EA	710.00	\$	16,330	\$ -	
<b>TOILET ROOMS</b>											<b>\$</b>	<b>16,330</b>	<b>\$</b>	<b>311,164</b>

SUMMARY NOTES												



# Classrooms

Holt High School

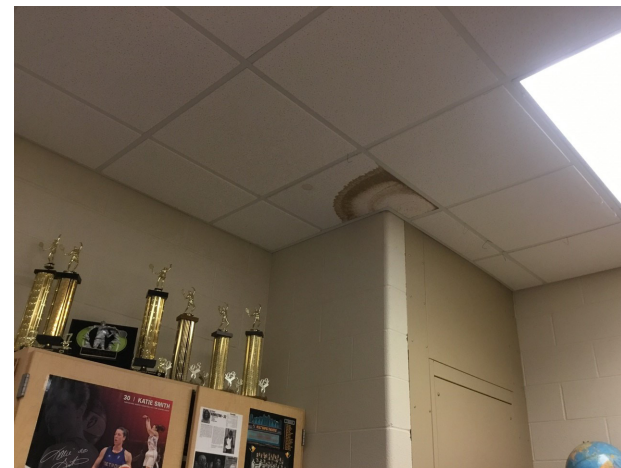
ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## CLASSROOMS

Floor/base Type A	CPT		0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	-	\$ 310,107	
Floor/base Type B	VCT		0%	0%	0%	83%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 49,362	
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$ -	
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 294,719	
CeilingType B	EXP		0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	-	\$ -	
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 1,360,502	
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 85,370	
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 24,623	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 153,360	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	54	EA	710.00	\$	38,340	\$ -	
<b>CLASSROOMS</b>											<b>\$</b>	<b>38,340</b>	<b>\$</b>	<b>2,278,042</b>

## SUMMARY NOTES

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# Art Rooms

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ART ROOMS														
Floor/base Type A	VCT		0%	0%	33%	67%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 66,485	
Floor/base Type B	CPT		0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	-	\$ -	
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$ -	
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 66,485	
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 234,300	
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 10,224	
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 3,195	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 38,340	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	9	EA	710.00	\$	6,390	\$ -	
<b>ART ROOMS</b>											<b>\$</b>	<b>6,390</b>	<b>\$</b>	<b>419,029</b>

SUMMARY NOTES												



# Music Rooms

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MUSIC ROOMS														
	Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	-	\$ 19,312	
	Floor/base Type B	VCT	0%	0%	0%	100%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 12,038	
	Walls / paint	GYP	0%	0%	0%	43%	Gyp. Bd.	-	/SF	12.80	\$	-	\$ 54,385	
	Ceiling Type A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 17,510	
	Ceiling Type B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 59,356	
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 25,560	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	6	EA	710.00	\$	4,260	\$ -	
<b>MUSIC ROOMS</b>											<b>\$</b>	<b>4,260</b>	<b>\$</b>	<b>188,162</b>

SUMMARY NOTES												

# Science Labs

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SCIENCE LABS														
Floor/base Type A	CPT		0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	-	\$ 97,430	
Floor/base Type B	VCT		0%	0%	0%	100%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 27,255	
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$ -	
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 105,473	
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 588,874	
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 21,584	
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 9,116	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 48,564	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	19	EA	710.00	\$	13,490	\$ -	
<b>SCIENCE LABS</b>											<b>\$</b>	<b>13,490</b>	<b>\$</b>	<b>898,296</b>

SUMMARY NOTES												



# Computer Labs

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## COMPUTER LABS

Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	-	\$ 43,914		
Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ -		
Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$ -		
CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 25,673		
CeilingType B	EXP	0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	-	\$ -		
Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 120,274		
Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 7,043		
Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 1,619		
Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 12,780		
Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -		
Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -		
Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -		
Corridor Doors Not Lockable from the Inside						Secure corridor doors	4	EA	710.00	\$	2,840	\$ -		
<b>COMPUTER LABS</b>											<b>\$</b>	<b>2,840</b>	<b>\$</b>	<b>211,302</b>

## SUMMARY NOTES



# Gymnasiums

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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GYMNASIUMS														
Floor/base Type A	WDG		0%	0%	0%	0%	Wood Gym Floor	-	/SF	18.50	\$	-	\$	-
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$	-
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$	-
CeilingType A	EXP		0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	-	\$	-
CeilingType B	ACT		0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$	-
Lockers			0%	0%	0%	0%	Lockers	-	EA	177.50	\$	-	\$	-
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$	-
Gym Equipment			0%	0%	0%	0%	Gym Equipment	-	EA	3,550.00	\$	-	\$	-
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$	40,896
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$	-
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$	-
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$	-
Corridor Doors Not Lockable from the Inside							Secure corridor doors	2	EA	710.00	\$	1,420	\$	-
<b>GYMNASIUMS</b>											<b>\$</b>	<b>1,420</b>	<b>\$</b>	<b>40,896</b>

SUMMARY NOTES												



# Natatoriums

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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NATATORIUMS												
Floor/base Type A	CT		0%	0%	0%	100%	Ceramic Tile	-	/SF	21.30	\$ -	\$ 295,814
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	EXP		0%	0%	0%	0%	Exposed	-	/SF	2.20	\$ -	\$ -
CeilingType B	ACT		0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ -
Lockers			0%	0%	0%	0%	Lockers	-	EA	177.50	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 10,224
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>NATATORIUMS</b>											<b>\$ 710</b>	<b>\$ 306,038</b>

SUMMARY NOTES												



# Locker Rooms

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOCKER ROOMS														
Floor/base Type A	CT		0%	0%	0%	27%	Ceramic Tile	-	/SF	21.30	\$	-	\$ 16,248	
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ -	
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$ -	
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 24,624	
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Lockers			0%	0%	0%	100%	Lockers	-	EA	177.50	\$	-	\$ 50,588	
Display Board			0%	0%	0%	39%	Display Board	-	/LF	56.80	\$	-	\$ 1,874	
Toilet Accessories			0%	0%	0%	0%	Toilet Accessories	-	EA	2,414.00	\$	-	\$ -	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 56,232	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	11	EA	710.00	\$	7,810	\$ -	
<b>LOCKER ROOMS</b>											<b>\$</b>	<b>7,810</b>	<b>\$</b>	<b>149,566</b>

SUMMARY NOTES												



# Fitness Rooms

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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FITNESS ROOMS														
	Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	-	\$ 18,460	
	Floor/base Type B	SV	0%	0%	0%	0%	Sheet Vinyl(Linoleum/Sheet Rubber)	-	/SF	15.70	\$	-	\$ -	
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$ -	
	CeilingType A	EXP	0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	-	\$ -	
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ -	
	Lockers		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
	Gym Equipment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
	Doors		0%	0%	0%	45%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 12,780	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$ -	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$ -	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	2	EA	710.00	\$	1,420	\$ -	
<b>FITNESS ROOMS</b>											<b>\$</b>	<b>1,420</b>	<b>\$</b>	<b>31,240</b>

SUMMARY NOTES												

# Media Center

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MEDIA CENTER														
Floor/base Type A	CPT		0%	0%	100%	0%	Carpet	-	/SF	7.10	\$	-	\$ 51,688	
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ -	
Walls / paint	GYP		0%	0%	0%	100%	CMU	-	/SF	15.70	\$	-	\$ 42,955	
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 41,496	
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ -	
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 2,556	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	1	EA	710.00	\$	710	\$ -	
<b>MEDIA CENTER</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>138,695</b>

SUMMARY NOTES



# Auditorium

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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AUDITORIUM												
	Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$ -	\$ 72,399
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 29,061
	CeilingType B	ACT	0%	0%	0%	100%	Gyp Bd.	-	/SF	14.20	\$ -	\$ 72,399
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$ 710	\$ -
<b>AUDITORIUM</b>											<b>\$ 710</b>	<b>\$ 176,415</b>

SUMMARY NOTES												

# Kitchen / Servery

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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## KITCHEN / SERVERY

Floor/base Type A	CT		0%	0%	0%	0%	Ceramic Tile	-	/SF	21.30	\$ -	\$ -
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 9,348
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 7,668
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	3	EA	710.00	\$ 2,130	\$ -
<b>KITCHEN / SERVERY</b>											<b>\$ 2,130</b>	<b>\$ 17,016</b>

## SUMMARY NOTES

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# Offices

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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OFFICES														
Floor/base Type A	CPT		0%	0%	0%	100%	Carpet	-	/SF	7.10	\$	-	\$ 50,218	
Floor/base Type B	VCT		0%	0%	0%	56%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 6,552	
Walls / paint	GYP		0%	0%	0%	54%	Gyp. Bd.	-	/SF	12.80	\$	-	\$ 128,609	
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 53,306	
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 149,952	
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 2,442	
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 2,812	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 102,240	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	36	EA	710.00	\$	25,560	\$ -	
<b>OFFICES</b>											<b>\$</b>	<b>25,560</b>	<b>\$</b>	<b>496,131</b>

SUMMARY NOTES



# Staff Spaces

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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STAFF SPACES														
Floor/base Type A	CPT		0%	0%	14%	86%	Carpet	-	/SF	7.10	\$	-	\$ 15,798	
Floor/base Type B	VCT		0%	0%	0%	60%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 7,120	
Walls / paint	CMU		0%	0%	0%	33%	CMU	-	/SF	15.70	\$	-	\$ 36,089	
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 24,550	
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework			0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$ 78,100	
Display Board			0%	0%	0%	100%	Display Board	-	/LF	56.80	\$	-	\$ 2,726	
Window Treatment			0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$	-	\$ 426	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 38,340	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	12	EA	710.00	\$	8,520	\$ -	
<b>STAFF SPACES</b>											<b>\$</b>	<b>8,520</b>	<b>\$</b>	<b>203,149</b>

SUMMARY NOTES



# Mechanical Electrical and Storage Rooms

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS														
Floor/base Type A	CT		0%	0%	14%	86%	Ceramic Tile	-	/SF	21.30	\$	-	\$ 66,797	
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	-	
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	-	
CeilingType A	EXP		0%	0%	0%	100%	Exposed	-	/SF	2.20	\$	-	\$ 6,794	
CeilingType B	ACT		0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	-	
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	-	
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	-	
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	-	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 38,340	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	-	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	-	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	-	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	11	EA	710.00	\$	7,810	-	
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$</b>	<b>7,810</b>	<b>\$</b>	<b>111,930</b>

SUMMARY NOTES





# Flex Spaces

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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FLEX SPACES												
	Floor/base Type A	CPT	0%	0%	0%	100%	Carpet	-	/SF	7.10	\$ -	\$ 16,280
	Floor/base Type B	VCT	0%	0%	0%	50%	Vinyl Tile	-	/SF	5.70	\$ -	\$ 2,884
	Walls / paint	CMU	0%	0%	0%	25%	CMU	-	/SF	15.70	\$ -	\$ 14,193
	CeilingType A	ACT	0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 14,951
	CeilingType B	EXP	0%	0%	0%	100%	Exposed	-	/SF	2.20	\$ -	\$ 1,500
	Casework		0%	0%	0%	100%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ 56,232
	Display Board		0%	0%	0%	100%	Display Board	-	/LF	56.80	\$ -	\$ 5,055
	Window Treatment		0%	0%	0%	100%	Window Treatment	-	/LF	42.60	\$ -	\$ 511
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 12,780
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	4	EA	710.00	\$ 2,840	\$ -
<b>FLEX SPACES</b>											<b>\$ 2,840</b>	<b>\$ 124,387</b>

SUMMARY NOTES



# Custodial

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CUSTODIAL														
Floor/base Type A	VCT		0%	0%	0%	100%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 1,357	
Floor/base Type B	CONC		0%	0%	0%	0%	Conc	-	/SF	15.70	\$	-	\$ -	
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$ -	
CeilingType A	ACT		0%	0%	0%	100%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 1,357	
CeilingType B	EXP		0%	0%	0%	0%	Exposed	-	/SF	2.20	\$	-	\$ -	
Lockers			0%	0%	0%	0%	Lockers	-	EA	177.50	\$	-	\$ -	
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$ -	
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$ -	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 5,112	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	2	EA	710.00	\$	1,420	\$ -	
<b>CUSTODIAL</b>											<b>\$</b>	<b>1,420</b>	<b>\$</b>	<b>7,825</b>

SUMMARY NOTES												

# Mechanical

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL												
	Controls System			X			Tridium /JCI system	340,000	SF	\$ 2.82	\$ 958,800	\$ -
	Temperature Controls Upgrade			X			Needs some upgrading. Sensors are not reliable.	340,000	SF	\$ 2.82	\$ 958,800	\$ -
	Classroom HVAC Systems			X			(78) Unit Vents control valves - JCI.	78	EA	\$ 4,935.00	\$ 384,930	\$ -
	Gym HVAC					X	Make up Air Heating Units - Gas Fired	4	EA	\$ 120,132.00	\$ -	\$ 480,528
	Locker Room HVAC				X		(2) heating only units.	2	EA	\$ 91,650.00	\$ -	\$ 183,300
	Media Center HVAC				X		System needs updating .	1	EA	\$ 100,110.00	\$ -	\$ 100,110
	Commons HVAC				X		(13) RTUs - Htg/Clg	13	EA	\$ 100,110.00	\$ -	\$ 1,301,430
	Chillers				X		(2) McQuays - Air Cooled	2	EA	\$ 169,200.00	\$ -	\$ 338,400
	Boilers - Total Capacity					X	Functional	3	EA	\$ 142,861.20	\$ -	\$ 428,584
	Boiler Pumps, VFDs, Tanks, Accessories				X		Pumps go out occasionally	3	LS	\$ 73,531.50	\$ -	\$ 220,595
	Boiler/HVAC Piping-Total					X	Functional	1	EA	\$ 454,584.00	\$ -	\$ 454,584
	Water Treatment				X			1	EA	\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust					X	Good working order	1	EA	\$ 14,523.00	\$ -	\$ 14,523
	Restroom Exhaust			X			end of life. Needs replacing.	20	EA	\$ 4,935.00	\$ 98,700	\$ -
<b>MECHANICAL</b>											<b>\$ 2,401,230</b>	<b>\$ 3,549,689</b>

**SUMMARY NOTES**  
*The existing system is original (1993) and in good working order except for a few leaking coils. Controls need to be upgraded to DDC and need to talk to the JCI Tridium system the district uses. Bathroom EF's are noisy and need replacing.*



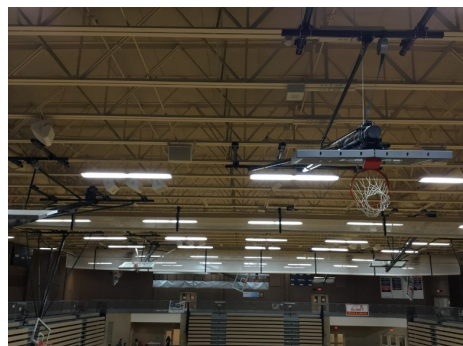
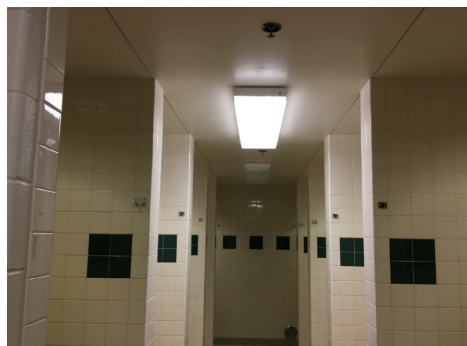
# Electrical

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ELECTRICAL												
	Site Lighting Pole Lights			X			Replace with LED	57	EA	\$1,692.00	\$ 96,444	\$ -
	Site Lighting Pole Lights - Added on path towards North Entrance			X			Replace with LED	2	EA	\$7,050.00	\$ 14,100	\$ -
	Exterior building Lighting			X			Replace with LED	52	EA	\$493.50	\$ 25,662	\$ -
	Exterior building Lighting/ Lighted Bollards			X			Replace with LED	10	EA	\$493.50	\$ 4,935	\$ -
	Exterior Lighting Controls			X			Replace with photocell	62	EA	\$70.50	\$ 4,371	\$ -
	Interior Lighting			X			Replace with LED	340,000	SF	\$8.46	\$ 2,876,400	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	340,000	SF	\$2.82	\$ 958,800	\$ -
	Classrooms/Misc. occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Gymnasium Lighting				X		Replace with LED and controls	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Emergency and Exit Lighting				X		Replace with LED emergency and exit lights	Cost covered in Lighting cost by SF		\$ -	\$ -	\$ -
	Electrical Distribution			X			Needs upgrading	340,000	SF	\$6.20	\$ 2,109,360	\$ -
	Public Address System			X			Needs to be Upgraded	340,000	SF	\$1.06	\$ 359,550	\$ -
	Public Address System - Gym			X			Needs to be Upgraded	1	EA	\$16,920.00	\$ 16,920	\$ -
	Distribution Panels and Panelboards				X		Replace old panels	3	EA	\$3,525.00	\$ -	\$ 10,575
	Fire Alarm System						NA	340,000	SF	\$4.23	\$ -	\$ -
	Elevator Refurbishment			X				1	EA	\$197,400.00	\$ 197,400	\$ -
<b>ELECTRICAL</b>											<b>\$ 6,663,942</b>	<b>\$ 10,575</b>

**SUMMARY NOTES**  
 All lighting (interior & Exterior) should be changed to LED and proper controls added to maximize energy efficiency. The FA system is in good working order. Main electrical service to the building seems to be in good working order. The building's clocks are all individual and are battery operated. There was talk about the bell system having issues at times.



# Plumbing

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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PLUMBING												
	Fire Suppression						Functional - no issues	340,000	SF	\$ 1.41	\$ -	\$ -
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)		X				Bradley sinks. Mixing valves get clogged continuously. Replacements requested by owner.	135	EA	\$ 2,115.00	\$ 285,525	\$ -
	Roof Drains					X	Functional	43	EA	\$ 1,551.00	\$ -	\$ 66,693.00
	Water Fountains		X				A number of them are beat up.	22	EA	\$ 4,864.50	\$ 107,019	\$ -
	Floor Drains				X		Functional	65	EA	\$ 1,311.30	\$ -	\$ 85,234.50
	Kitchen Grease Trap						No operational issues	2	EA	\$ 35,250.00	\$ -	\$ -
	Kitchen Water Heater				X		Functional - Nearing end of life	3	EA	\$ 41,454.00	\$ -	\$ 124,362.00
	Water Softener					X	No operational issues	1	EA	\$ 32,289.00	\$ -	\$ 32,289.00
	Water Heaters - Building		X				(3) Water heaters are at end of life.	3	EA	\$ 43,851.00	\$ 131,553	\$ -
	Domestic HW/CW Piping					X	No galvanized piping.	1	LS	\$ 452,610.00	\$ -	\$ 452,610.00
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,248.50
	Gas Piping - Total					X	No operational issues	1	LS	\$ 31,584.00	\$ -	\$ 31,584.00
	Recirculation Pump				X			3	EA	\$ 4,935.00	\$ -	\$ 14,805.00
	Outside Hose Bibs							12	EA	\$ 4,230.00	\$ -	\$ -
<b>PLUMBING</b>											<b>\$ 524,097</b>	<b>\$ 815,826</b>

SUMMARY NOTES												

# Technology

Holt High School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TECHNOLOGY														
Building Technology							N/A	340,000	SF	\$ 0.71	-	\$ -		
Classroom Technology					100%		Ceiling Projectors & Smartboards	30	EA	\$ 3,243.00	-	\$ 97,290		
Kids Chromebooks							Chromebooks		EA	\$ 493.50	-	\$ -		
Teacher Laptops							MS based laptops w/ ROM drives		EA	\$ 564.00	-	\$ -		
Safety & Security					100%		Change to a FOB system	25	EA	\$ 5,865.60	-	\$ 146,640		
Video Surveillance			100%				Need additional for blind spots	34	EA	\$ 6,556.50	222,921	\$ -		
Video Surveillance - Software Upgrade			100%					1	EA	\$ 21,150.00	21,150	\$ -		
<b>TECHNOLOGY</b>											<b>\$</b>	<b>244,071</b>	<b>\$</b>	<b>243,930</b>

**SUMMARY NOTES**  
*The building's server(s) seems to be in good order and no issues were noted in the pre-walk meeting. Classroom technology is in good condition but may be on the side of being outdated. Replacement bulbs for current projectors are \$200 EA. Teachers have requested Windows-based laptops with ROM for Each teacher and a 1:1 ratio of Chromebooks to students. Building security seems to be in good order, but there are no FOB's for secure entrance at all exterior doors instead of the single security lock system at the main entrance which requires someone in the main office to buzz people in. The building does have video surveillance camera in at the main door only, but could use additional for blind-spot areas. Quantity of video surveillance cameras shown is based on 1 additional camera per 10,000 sf.*



## Gunn School Supporting Detail

2009 South Washington  
Holt, MI 48842

450 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1886  
*Year Built*

## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Gunn School according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.



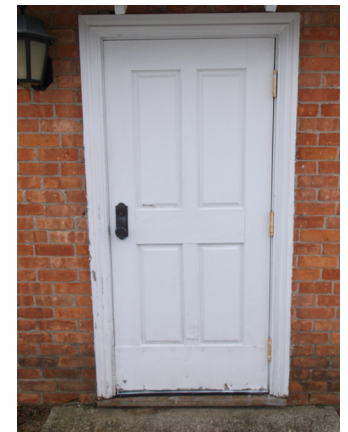
# Building Exterior Zone A

Gunn School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone A												
Roof A:			0%	100%	0%	0%	PVC	1,600	/SF	22.80	\$ 36,480	\$ -
Roof B:			0%	0%	0%	0%	EPDM	-	/SF	18.50	\$ -	\$ -
Roof C:			0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
Roof Edge:			0%	0%	0%	0%	Metal Coping:	-	/LF	24.20	\$ -	\$ -
Window A:			0%	100%	0%	0%	Aluminum Windows	144	/SF	92.30	\$ 13,291	\$ -
Window B:			0%	100%	0%	0%	Aluminum Windows	24	/SF	92.30	\$ 2,215	\$ -
Window C:			0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
Entry Doors:			0%	100%	0%	0%	Entry doors:	2	/EA	4,260.00	\$ 8,520	\$ -
Service Door:			0%	0%	0%	0%	Service Doors:	-	/EA	5,680.00	\$ -	\$ -
O H Door:			0%	0%	0%	0%	Overhead Doors:	-	/EA	8,520.00	\$ -	\$ -
Walls:			0%	50%	0%	22%	Wall Rebuild:	1,400	/SF	28.40	\$ 39,760	\$ 17,040
Soffits:			0%	0%	0%	100%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ 2,736
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ 100,266</b>	<b>\$ 19,776</b>

SUMMARY NOTES												



# Lobbies and Vestibules

Gunn School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES														
Floor/base Type A	WDG		0%	0%	0%	0%	Wood Gym Floor	-	/SF	18.50	\$	-	\$	-
Floor/base Type B	VCT		0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$	-
Walls / paint	GYP		0%	0%	0%	100%	Gyp. Bd.	-	/SF	12.80	\$	-	\$	9,907
CeilingType A	PL		0%	0%	0%	100%	Plaster	-	/SF	-	\$	-	\$	-
CeilingType B	ACT		0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$	-
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$	-
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$	-
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$	-
Doors			0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$	-
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$	-
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$	-
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$	-
Secure Entry							Create Secure Entry	1	Allow	35,500.00	\$	35,500	\$	-
<b>LOBBIES AND VESTIBULES</b>											<b>\$</b>	<b>35,500</b>	<b>\$</b>	<b>9,907</b>

SUMMARY NOTES



# Toilet Rooms

Gunn School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TOILET ROOMS														
	Floor/base Type A	WDG	0%	0%	0%	0%	Wood Gym Floor	-	/SF	18.50	\$	-	\$	
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$	
	Walls / paint	GYP	0%	0%	0%	100%	Gyp. Bd.	-	/SF	12.80	\$	-	\$	
	CeilingType A	PL	0%	0%	0%	100%	Plaster	-	/SF	-	\$	-	\$	
	CeilingType B	ACT	0%	0%	0%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$	
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$	
	Toilet Partitions		0%	0%	0%	0%	Toilet Partitions	-	/LF	177.50	\$	-	\$	
	Toilet Accessories		0%	0%	0%	100%	Toilet Accessories	-	EA	2,414.00	\$	-	\$	
	Doors		0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$	
	Space Lacks Barrier Free Access						Barrier free access	1	EA	4,260.00	\$	4,260	\$	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	-	EA	710.00	\$	-	\$	
<b>TOILET ROOMS</b>											<b>\$</b>	<b>4,260</b>	<b>\$</b>	<b>8,054</b>

SUMMARY NOTES												



# Classrooms

Gunn School

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CLASSROOMS														
	Floor/base Type A	WDG	0%	0%	0%	0%	Wood Gym Floor	-	/SF	18.50	\$	-	\$	
	Floor/base Type B	VCT	0%	0%	0%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$	
	Walls / paint	GYP	0%	0%	0%	100%	Gyp. Bd.	-	/SF	12.80	\$	-	\$	
	CeilingType A	PL	0%	0%	0%	100%	Plaster	-	/SF	-	\$	-	\$	
	CeilingType B	ACT	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$	
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$	-	\$	
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	\$	
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	\$	
	Doors		0%	0%	0%	0%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	\$	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	\$	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	\$	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	1	EA	710.00	\$	710	\$	
<b>CLASSROOMS</b>											<b>\$</b>	<b>710</b>	<b>\$</b>	<b>8,525</b>

SUMMARY NOTES





## Ed Trek Supporting Detail

4610 Spahr Avenue  
Holt, MI 48842

14,000 Square Feet  
*Building Area*

1944  
*Year Built*

## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Ed Trek according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Floor Plan

# Site Plan



# Building Exterior Zone A

# Lobbies and Vestibules

# Toilet Rooms

# Classrooms



## Transportation Building Supporting Detail

2125 Delhi Stree  
Holt, MI 48842

10,000 Square Feet  
*Building Area*

1 Floor  
*Number of Floors*

1984  
*Year Built*

## Surveying: Quantifying and Grading

The Physical Assessment looks at the condition of the building and its components and evaluates where a component is in its anticipated life-cycle. The team anticipated the cost of similar, in-kind replacements for the various building systems. The results describe what it would cost to bring the building back an ideal condition with ideal maintenance over the years. Building additions or other improvements to anticipate changes in building program are part of a future study.

The team of architects and engineers surveyed the Transportation Building according to the following rating system:

<b>Immediate</b>	Immediate need. Prioritize this item in a 1-3 year replacement plan.
<b>1-3 Years</b>	Include this item in a 1-3 year replacement plan.
<b>4-6 Years</b>	Include this item within a 4-6 year replacement plan.
<b>7-9 Years</b>	Include this item within a 7-9 year replacement plan.

Unit prices provide a 2018 budget value for each component. Components are grouped together in each category and summed in 4 buckets by budget horizon. The above categories consider only the building's physical condition without regard to its use. Additional categories identify upgrades to meet program objectives, upgrades to comply with current codes and classroom furniture for the building specific to its use as a K-12 facility. Additional updates will be identified with the school administration during a future conceptual design stage.

Unit prices include Michigan 2018 trade costs plus allowances for General Conditions, Design and Project Contingencies, Testing, Permits, A/E and CM Fees and General Liability Coverage. Soft costs amount to a 38% mark-up on trade costs.

# Site

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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SITE												
	Fencing			100%			Fencing	1,900	/LF	14.20	\$ 26,980	\$ -
	Signage			100%			Signage	2	/EA	142.00	\$ 284	\$ -
	Grading/Lawn/Landscaping	Assumed no improvements					Lawn/Landscaping	-	/LS	-	\$ -	\$ -
	Sanitary Sewer Piping/Structures	Assumed no improvements					Sanitary Sewer Piping/Structures	-	/LS	31,240.00	\$ -	\$ -
	Storm Sewer Piping/Structures/Detention	Assumed no improvements					Storm Sewer Piping/Structures	-	/LS	-	\$ -	\$ -
	Water Piping/Valves/Hydrants	Assumed no improvements					Water Piping/Valves/Hydrants	-	/LS	-	\$ -	\$ -
	Concrete Curbs			100%			Concrete Curbs	550	/LF	35.50	\$ 19,525	\$ -
	HD Asphalt			100%			HD Asphalt	124,740	/SF	10.70	\$ 1,334,718	\$ -
	LD Asphalt	N/A					LD Asphalt	-	/SF	7.10	\$ -	\$ -
	Walks			100%			Concrete Walks	3,900	/SF	12.80	\$ 49,920	\$ -
	Concrete Steps/Ramps			100%			Concrete Steps/Ramps	160	/SF	28.40	\$ 4,544	\$ -
	Play Areas/Pathway	N/A					LD Asphalt	-	/SF	7.10	\$ -	\$ -
	Comp. Athletic Field	N/A					Comp. Athletic Field	-	/EA	-	\$ -	\$ -
	Practice Athletic Field	N/A					Practice Athletic Field	-	/EA	-	\$ -	\$ -
	Play Surface	N/A					Play Surface	-	/SY	28.40	\$ -	\$ -
<b>SITE</b>											<b>\$ 1,435,971</b>	<b>\$ -</b>

**SUMMARY NOTES**  
 See Appendix A for comments and additional images.



# Building Exterior Zone A

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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BUILDING EXTERIOR Zone A												
Roof A:			0%	0%	100%	0%	Metal	-	/SF	25.60	\$ -	\$ 278,989
Roof B:			0%	0%	0%	100%	EPDM	-	/SF	18.50	\$ -	\$ 26,585
Roof C:			0%	0%	0%	0%	Skylight	-	/SF	213.00	\$ -	\$ -
Roof Edge:			0%	0%	80%	20%	Metal Coping:	-	/LF	24.20	\$ -	\$ 13,068
Window A:			0%	0%	0%	100%	Aluminum Windows	-	/SF	92.30	\$ -	\$ 4,430
Window B:			0%	0%	0%	0%	Curtain Wall	-	/SF	142.00	\$ -	\$ -
Window C:			0%	0%	0%	0%	Aluminum Windows	-	/SF	92.30	\$ -	\$ -
Entry Doors:			0%	0%	0%	0%	Entry doors:	-	/EA	4,260.00	\$ -	\$ -
Service Door:			0%	75%	0%	25%	Service Doors:	6	/EA	5,680.00	\$ 34,080	\$ 11,360
O H Door:			0%	100%	0%	0%	Overhead Doors:	6	/EA	8,520.00	\$ 51,120	\$ -
Walls:			0%	0%	0%	0%	Wall Rebuild:	-	/SF	28.40	\$ -	\$ -
Soffits:			0%	0%	0%	0%	Plaster/EIFS Soffits	-	/SF	17.10	\$ -	\$ -
Canopies:			0%	0%	0%	0%	Canopies	-	/SF	49.70	\$ -	\$ -
<b>BUILDING EXTERIOR Zone A</b>											<b>\$ 85,200</b>	<b>\$ 334,432</b>

**SUMMARY NOTES**





# Lobbies and Vestibules

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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LOBBIES AND VESTIBULES												
Floor/base Type A	VCT		0%	100%	0%	0%	Vinyl Tile	42	/SF	5.70	\$ 239	\$ -
Floor/base Type B	CPT		0%	0%	0%	0%	Carpet	-	/SF	7.10	\$ -	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 239
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 2,556
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Secure Entry							Create Secure Entry	-	Allow	35,500.00	\$ -	\$ -
<b>LOBBIES AND VESTIBULES</b>											<b>\$ 239</b>	<b>\$ 2,795</b>

SUMMARY NOTES



# Corridors Stairs and Elevators

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CORRIDORS STAIRS AND ELEVATORS												
Floor/base Type A	CONC		0%	0%	0%	0%	Conc	-	/SF	15.70	\$ -	\$ -
Floor/base Type B	VCT		0%	100%	0%	0%	Vinyl Tile	161	/SF	5.70	\$ 918	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	ACT		0%	0%	50%	50%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 1,237
CeilingType B	EXP		0%	0%	0%	0%	Exposed	-	/SF	2.20	\$ -	\$ -
Casework			0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	0%	50%	50%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 10,224
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
<b>CORRIDORS STAIRS AND ELEVATORS</b>											<b>\$ 918</b>	<b>\$ 11,461</b>

SUMMARY NOTES



# Toilet Rooms

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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TOILET ROOMS														
Floor/base Type A	VCT		0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$	-	\$ 2,474	
Floor/base Type B	CPT		0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	-	\$ -	
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	\$ -	
CeilingType A	ACT		0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	-	\$ 2,474	
CeilingType B	GB		0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	\$ -	
Casework			0%	100%	0%	0%	Casework - Base/Wall	8	/LF	781.00	\$	6,248	\$ -	
Toilet Partitions			0%	0%	100%	0%	Toilet Partitions	-	/LF	177.50	\$	-	\$ 6,213	
Toilet Accessories			10%	0%	0%	0%	Toilet Accessories	1	EA	2,414.00	\$	2,414	\$ -	
Doors			0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	-	\$ 5,112	
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$	-	\$ -	
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$	-	\$ -	
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$	-	\$ -	
Corridor Doors Not Lockable from the Inside							Secure corridor doors	-	EA	710.00	\$	-	\$ -	
<b>TOILET ROOMS</b>											<b>\$</b>	<b>8,662</b>	<b>\$</b>	<b>16,272</b>

SUMMARY NOTES												



# Offices

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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OFFICES												
	Floor/base Type A	CPT	0%	50%	50%	0%	Carpet	376	/SF	7.10	\$ 2,667	\$ 2,667
	Floor/base Type B	VCT	0%	100%	0%	0%	Vinyl Tile	120	/SF	5.70	\$ 682	\$ -
	Walls / paint	CMU	0%	0%	0%	20%	CMU	-	/SF	15.70	\$ -	\$ 6,531
	CeilingType A	ACT	0%	0%	80%	20%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 4,965
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$ -	\$ -
	Casework		0%	0%	0%	0%	Casework - Base/Wall	-	/LF	781.00	\$ -	\$ -
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
	Doors		0%	0%	80%	20%	Door (\$/ Leaf)	-	EA	2,556.00	\$ -	\$ 12,780
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$ -	\$ -
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$ -	\$ -
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$ -	\$ -
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	4	EA	710.00	\$ 2,840	\$ -
<b>OFFICES</b>											<b>\$ 6,189</b>	<b>\$ 26,943</b>

SUMMARY NOTES



# Staff Spaces

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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STAFF SPACES													
	Floor/base Type A	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$	\$ 3,591	
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	-	
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-	
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	\$ 3,591	
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-	
	Casework		0%	0%	100%	0%	Casework - Base/Wall	-	/LF	781.00	\$	\$ 17,182	
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-	
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-	
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	\$ 5,112	
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-	
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-	
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-	
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	-	EA	710.00	\$	-	
<b>STAFF SPACES</b>											<b>\$</b>	<b>-</b>	<b>\$ 29,476</b>

SUMMARY NOTES



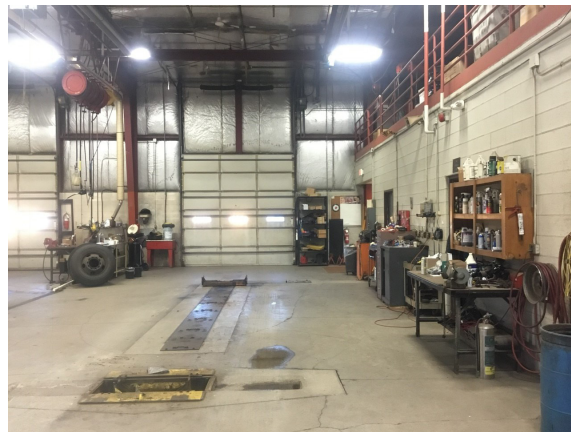
# Mechanical Electrical and Storage Rooms

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL ELECTRICAL AND STORAGE ROOMS												
Floor/base Type A	CONC		0%	0%	8%	0%	Conc	-	/SF	15.70	\$ -	\$ 11,381
Floor/base Type B	CPT		0%	100%	0%	0%	Carpet	90	/SF	7.10	\$ 639	\$ -
Walls / paint	CMU		0%	0%	0%	0%	CMU	-	/SF	15.70	\$ -	\$ -
CeilingType A	EXP		0%	0%	0%	0%	Exposed	-	/SF	2.20	\$ -	\$ -
CeilingType B	ACT		0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$ -	\$ 513
Casework			0%	100%	0%	0%	Casework - Base/Wall	12	/LF	781.00	\$ 9,372	\$ -
Display Board			0%	0%	0%	0%	Display Board	-	/LF	56.80	\$ -	\$ -
Window Treatment			0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$ -	\$ -
Doors			0%	16%	53%	32%	Door (\$/ Leaf)	3	EA	2,556.00	\$ 7,668	\$ 40,896
Space Lacks 2nd Means of egress							2nd means of egress	-	EA	7,100.00	\$ -	\$ -
Space Lacks Corridor Separations							Corridor separation	-	EA	4,970.00	\$ -	\$ -
Space Lacks Barrier Free Access							Barrier free access	-	EA	4,260.00	\$ -	\$ -
Corridor Doors Not Lockable from the Inside							Secure corridor doors	3	EA	710.00	\$ 2,130	\$ -
<b>MECHANICAL ELECTRICAL AND STORAGE ROOMS</b>											<b>\$ 19,809</b>	<b>\$ 52,790</b>

SUMMARY NOTES



# Custodial

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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CUSTODIAL												
	Floor/base Type A	VCT	0%	0%	100%	0%	Vinyl Tile	-	/SF	5.70	\$	855
	Floor/base Type B	CPT	0%	0%	0%	0%	Carpet	-	/SF	7.10	\$	-
	Walls / paint	CMU	0%	0%	0%	0%	CMU	-	/SF	15.70	\$	-
	CeilingType A	ACT	0%	0%	100%	0%	Acoust. Ceiling & Grid	-	/SF	5.70	\$	855
	CeilingType B	GB	0%	0%	0%	0%	Gyp Bd.	-	/SF	14.20	\$	-
	Lockers		0%	0%	0%	0%	Lockers	-	EA	177.50	\$	-
	Display Board		0%	0%	0%	0%	Display Board	-	/LF	56.80	\$	-
	Window Treatment		0%	0%	0%	0%	Window Treatment	-	/LF	42.60	\$	-
	Doors		0%	0%	0%	100%	Door (\$/ Leaf)	-	EA	2,556.00	\$	2,556
	Space Lacks 2nd Means of egress						2nd means of egress	-	EA	7,100.00	\$	-
	Space Lacks Corridor Separations						Corridor separation	-	EA	4,970.00	\$	-
	Space Lacks Barrier Free Access						Barrier free access	-	EA	4,260.00	\$	-
	Corridor Doors Not Lockable from the Inside						Secure corridor doors	-	EA	710.00	\$	-
<b>CUSTODIAL</b>											\$	<b>4,266</b>

SUMMARY NOTES												

# Mechanical

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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MECHANICAL												
	Controls System				X		No issues reported.	10,200	SF	\$ 2.82	\$ -	\$ 28,764
	Temperature Controls Upgrade				X		Needs some upgrading from Pnumatic to DDC	10,200	SF	\$ 2.82	\$ -	\$ 28,764
	Classroom HVAC Systems						N/A	1	EA	\$ 32,148.00	\$ -	\$ -
	Shop HVAC					X	25 years old - functional	1	EA	\$ 120,132.00	\$ -	\$ 120,132
	Office HVAC					X	RTU H/C - Functional	1	EA	\$ 32,148.00	\$ -	\$ 32,148
	Forman's Office HVAC					X	System needs updating w/ Cooling option	1	EA	\$ 100,110.00	\$ -	\$ 100,110
	Garage Heating				X		Gas Radiant Heat	1	EA	\$ 91,650.00	\$ -	\$ 91,650
	Boilers - Total Capacity						N/A	1	EA	\$ 142,861.20	\$ -	\$ -
	Boiler Pumps, VFDs, Tanks, Accessories						N/A	1	EA	\$ 73,531.50	\$ -	\$ -
	Boiler/HVAC Piping-Total						N/A	1	EA	\$ 454,584.00	\$ -	\$ -
	Water Treatment				X			1	EA	\$ 27,636.00	\$ -	\$ 27,636
	Kitchen Hood/Exhaust						Installed in mid 2010's	1	EA	\$ 14,523.00	\$ -	\$ -
	Restroom Exhaust			X			Some fans do not operate. Poor ventilation	6	EA	\$ 4,935.00	\$ 29,610	\$ -
<b>MECHANICAL</b>											<b>\$ 29,610</b>	<b>\$ 429,204</b>

**SUMMARY NOTES**  
*The existing system is old and outdated. Currently there are only two (2) areas where there is heating and cooling functions and that is in the computer lab and media center. Existing unit vents, hot water piping, etc. are in need of replacement with a system that includes cooling. Boilers are well maintained, but are at or near End-of-Life. HVAC controls are outdated and mostly pneumatic. They do not communicate with any BMS system and need upgrading to DDC. Kitchen HVAC equipment is newer and in good, functioning condition. Bathroom EF's are older, but seem to be functioning well for their age.*



# Electrical

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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ELECTRICAL												
	Site Lighting Pole Lights/Pole Like Lighting			X			Replace with LED	7	EA	\$1,692.00	\$ 11,844	\$ -
	Exterior building Lighting			X			Replace with LED	7	EA	\$493.50	\$ 3,455	\$ -
	Exterior Lighting Controls			X			Replace with photocell	7	EA	\$70.50	\$ 494	\$ -
	Interior Lighting			X			Replace with LED	10,200	SF	\$2.82	\$ 28,764	\$ -
	Interior Lighting Controls			X			Replace with dimming & light harvesting controls	10,200	SF	\$0.71	\$ 7,191	\$ -
	Misc occupancy sensors		X				Need to be added	Cost covered in Lighting cost by SF			\$ -	\$ -
	Corridor Occupancy Sensors		X				Need to be added	Cost covered in Lighting cost by SF			\$ -	\$ -
	Gymnasium Lighting						N/A		EA	\$0.00	\$ -	\$ -
	Emergency and Exit Lighting						N/A		EA	\$0.00	\$ -	\$ -
	Public Address System						N/A		EA	\$3.53	\$ -	\$ -
	Electrical Distribution								EA	\$6.20	\$ -	\$ -
	Distribution Panels and Panelboards						Replace old panels	1	EA	\$2,115.00	\$ -	\$ -
	Fire Alarm System							10,200	SF	\$4.23	\$ -	\$ -
<b>ELECTRICAL</b>											<b>\$ 51,747</b>	<b>\$ -</b>

SUMMARY NOTES												

# Plumbing

Transportation Building

ITEM NO.	CATEGORY / COMPONENT	ITEM NOTE	Past Useful Life Replace Immediately	Replace in 1-3 years	Replace in 4-6 years	Replace in 7-9 years	MATERIAL	QUANTITY (Replace within 3 yrs)	UNIT	UNIT COST	COST (Replace within 3 yrs)	COST (Replace in 4-9 years)
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PLUMBING												
	Fire Suppression	N/A					N/A		SF	\$ 1.41	\$ -	\$ -
	Plumbing Fixtures (Sinks/Faucets/Toilets/etc.)				X		Old but functional	11	EA	\$ 2,115.00	\$ -	\$ 23,265
	Roof Drains				X		Old but functional	8	EA	\$ 1,551.00	\$ -	\$ 12,408
	Roof Drain Piping		X				Poorly maintained	1	LS	\$ 49,350.00	\$ 49,350	\$ -
	Water Fountains				X		Old but functional	2	EA	\$ 4,864.50	\$ -	\$ 9,729
	Floor Drains					X	Old but functional	8	EA	\$ 1,311.30	\$ -	\$ 10,490
	Kitchen Grease Trap						N/A	1	EA	\$ 35,250.00	\$ -	\$ -
	Kitchen Water Heater				X		Functional - Nearing end of life	1	EA	\$ 41,454.00	\$ -	\$ 41,454
	Well Pump						No operational issues	1	EA	\$ 4,935.00	\$ -	\$ -
	Water Softener						No operational issues	1	EA	\$ 32,289.00	\$ -	\$ -
	Water Heaters - Building					X	Functional - over 15 years old	1	EA	\$ 43,851.00	\$ -	\$ 43,851
	Domestic HW/CW Piping					X	No operational issues	1	LS	\$ 452,610.00	\$ -	\$ 452,610
	Gas Meter & Regulator					X	No operational issues	1	EA	\$ 8,248.50	\$ -	\$ 8,249
	Gas Piping - Total					X	No operational issues	1	LS	\$ 31,584.00	\$ -	\$ 31,584
	Recirculation Pump				X		Nearing end of life	2	EA	\$ 4,935.00	\$ -	\$ 9,870
	Outside Hose Bibbs							4	EA	\$ 4,230.00	\$ -	\$ -
<b>PLUMBING</b>											<b>\$ 49,350</b>	<b>\$ 643,510</b>

SUMMARY NOTES												



# HOLT

PUBLIC SCHOOLS

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