



**Conceptual Options - Facility Impact**

Options are based on the Enrollment Projections dated June 2007 and MI Dept. of Treasury standards for class size, utilization, and capacity.

**Option #1: Do Nothing (No Improvements to any Facilities)**

**Option #2: Retain 4 School Buildings**

**Option #2A: Maintain Current Grade Organization at Each Building**

**Primary: Grades K-3 (379 Students) plus Pre-School**  
No Change - No Facility Improvements are Required

**Intermediate: Grades 4-5 (183 Students)**  
Remodel as Required to Extend Useful Life of the Building

**Middle School: Grades 6-8 (270 Students)**  
Remodel as Required to Extend Useful Life of the Building

**High School: Grades 9-12 (380 Students)**  
No Change - No Facility Improvements are Required

**Option 2B: Use Intermediate for PK, K, Daycare & Central Administration**

**Intermediate: Kindergarten (102 Students) plus Pre-School, Daycare, & Cent. Admin.**  
13 CR's Available - Use: 5 Kind. @ 20 Students; 4 Pre-School / Daycare; 4 Cent. Admin./Board  
Remodel as Required to Extend Useful Life of the Building and to Convert Spaces to New Uses  
Playground Equipment for Pre-School and Kindergarten  
Note: Kindergarten assumed to be Full-day

**Primary: Grades 1-5 (460 Students)**  
Grades 1-2: 185 Students @ 20/CR = 9 CR's; Grades 3-5: 275 Students @ 25/CR = 11 CR's  
23 CR's Available (plus Music & PE) - Use: 18 Grades 1-5; 2 Spec. Ed; Art; Comp.; Title 1  
Need an Additional 2 CR's @ 3000 Sf Addition  
Playground Equipment for Grades 4-5 Sitework

**Middle School: Grades 6-8 (270 Students)**  
Remodel as Required to Extend Useful Life of the Building

**High School: Grades 9-12 (380 Students)**  
No Change - No Facility Improvements are Required



**Option #2C: Replace Intermediate School with New Building**

**Primary: Grades K-3 (379 Students) plus Pre-School**

No Change - No Facility Improvements are Required

**New Intermediate School: Grades 4-5 (183 Students)**

Construct New School for 180-200 Students of approximately 37,200 square feet (see program)

**Middle School: Grades 6-8 (270 Students)**

Remodel as Required to Extend Useful Life of the Building

**High School: Grades 9-12 (380 Students)**

No Change - No Facility Improvements are Required

**Intermediate (Existing): Removed from K-12 Service**

**Option #2D: K-3 at Primary; Grades 4-6 at Middle School; New Grades 7-8 Building**

**Primary: Grades K-3 (379 Students) plus Pre-School**

No Change - No Facility Improvements are Required

**Middle School: Grades 4-6 (282 Students)**

Grades 4-6: 282 Students at 25/CR = 11 CR's

17 CR's Available (plus Music & PE); Use: 11 CR; Science; Computer; Special Ed; Art; 2 "Open"

Remodel as Required for New Grades and to Extend Useful Life of the Building

**New Grades 7-8 School**

D.1 Construct New Building for 180-200 Students; approximately 45,000 square feet (see program)

D.2 Construct New Grades 7-8 Wing on HS for 180-200 Students; approx. 35,700 square feet (see program)

**High School: Grades 9-12 (380 Students)**

No Change - No Facility Improvements are Required

**Intermediate: Removed from K-12 Service**



**New Intermediate School - Program (Option #2C)**

Grades 4-5; 180-200 Students

180 Students @ 25 Students/CR = 7 CR's

200 Students @ 25 Students/CR = 8 CR's

Fourth Grade CR's	4 @	900 sf =	3,600 sf
Fifth Grade CR's	4 @	900 sf =	3,600 sf
Special Ed CR's	1 @	900 sf =	900 sf
Title 1 or Reading	1 @	600 sf =	600 sf
Art	1 @	1,200 sf =	1,200 sf
Music	1 @	1,200 sf =	1,200 sf
Computer Lab	1 @	1,000 sf =	1,000 sf
Gym (Comb. w/Caf. For Full Gym)	1 @	4,500 sf =	4,500 sf
Cafeteria	1 @	3,000 sf =	3,000 sf
Kitchen & Storage	1 @	1,000 sf =	1,000 sf
Admin. & Specialist Offices	1 @	1,800 sf =	1,800 sf
Media Center	1 @	2,000 sf =	2,200 sf
Toilets	4 @	200 sf =	800 sf
Receiving/Storage/Janitorial	1 @	1,000 sf =	1,000 sf
Mech./Elec.	1 @	1,500 sf =	1,500 sf
		Subtotal	27,900 sf
Corridors, Walls			9,300 sf
		Total	37,200 sf
		<b>Gross Square Feet New Building</b>	<b>37,200 sf</b>



**New Grades 7-8 Building (Option #2D.1)**

Grades 7-8: 180-200 Students      TS - Teaching Station (Instructional Space)

180 Students @ 25 Students/TS @ 90% Utilization = 8 TS

200 Students @ 25 Students/TS @ 90% Utilization = 9 TS

General CR's	6 @	900 sf =	5,400 sf	6 TS
Special Ed CR's	1 @	900 sf =	900 sf	
Science & Storage	2 @	1,800 sf =	3,600 sf	2 TS
Art & Storage	1 @	1,800 sf =	1,800 sf	1 TS
Music & Storage	1 @	1,800 sf =	1,800 sf	1 TS
Life Skills/Tech Ed	1 @	1,800 sf =	1,800 sf	1 TS
Computer Lab	1 @	1,000 sf =	1,000 sf	1 TS
Gym & Storage	1 @	7,500 sf =	7,500 sf	1 TS
Cafeteria	1 @	1,500 sf =	1,500 sf	
Kitchen & Storage	1 @	1,000 sf =	1,000 sf	
Admin. & Guidance Offices	1 @	1,800 sf =	1,800 sf	
Media Center	1 @	2,000 sf =	2,200 sf	
Toilets	4 @	200 sf =	800 sf	
Receiving/Storage/Janitorial	1 @	1,000 sf =	1,000 sf	
Mech./Elec.	1 @	1,500 sf =	1,500 sf	
	Subtotal		33,600 sf	
Corridors, Walls			11,200 sf	
	Total		44,800 sf	
	<b>Gross Square Feet New Building</b>		<b>45,000 sf</b>	<b>13 TS</b>

**Capacity**

12 TS x 25 Students x .9 Utilization = 270 Students Capacity

**Utilization**

200 Students Projected Enrollment / 270 Students Capacity = 74.07%

Note: MI Dept. of Treasury Utilization Requirement is minimum of 85% for New Buildings; District will need justification & Dept. of Treasury acceptance with this option.



**New Grades 7-8 Wing on High School (Option #2D.2)**

Grades 7-8: 180-200 Students (Grades 9-12: 380 Students; Total: 560 Students)

180 Students @ 25 Students/CR @ 90% Utilization = 8 CR's

200 Students @ 25 Students/CR @ 90% Utilization = 9 CR's

**Minimum MS Spaces Needed:**

General CR's	6 @	900 sf =	5,400 sf	6 TS
Special Ed CR's	1 @	900 sf =	900 sf	
Science & Storage	2 @	1,800 sf =	3,600 sf	2 TS
	Subtotal		9,900 sf	
Corridors, Walls, Toilets			4,243 sf	
	Total		14,143 sf	
	<b>Gross Square Feet of Addition</b>		<b>14,100 sf</b>	

**Other Potential New Spaces Needed (could be shared w/HS):**

Art & Storage	1 @	1,800 sf =	1,800 sf	1 TS
Storage Only for Music	1 @	300 sf =	300 sf	1 TS
Computer Lab	1 @	1,000 sf =	1,000 sf	1 TS
MS/Aux. Gym & Storage	1 @	7,500 sf =	7,500 sf	
Cafeteria	1 @	3,000 sf =	3,000 sf	
Office	1 @	200 sf =	200 sf	
Toilets	2 @	200 sf =	400 sf	
Mech./Elec.	1 @	900 sf =	900 sf	
	Subtotal		15,100 sf	
Corridors, Walls			6,471 sf	
	Total		21,571 sf	
	<b>Gross Square Feet of Addition</b>		<b>21,600 sf</b>	

**Total Potential Gross Square Feet of Additions 35,700 sf**

**Existing HS Spaces Shared by Middle School and High School:**

Life Skills	1 TS
Tech Ed/Shop	1 TS
Music	1 TS
Cafeteria /Kitchen	
Admin. & Guidance	
Media Center	

**Other HS Instructional Spaces**

General CR's	14 TS
Science	3 TS
PE	1 TS
Art	1 TS
Drafting	1 TS

**Capacity**

8 MS TS x 25 Students/TS x .9 Utiliz. (180 Students) + 26 HS TS x 25 Students/TS x .85 Utiliz. (552.5 Students) =  
 733 Students Total

**Utilization**

560 Students Projected Enrollment 7-12 / 733 Students Capacity = 76.39%



**Option #3: Shift from 4 Buildings to 3 Buildings**

**Option #3A: Move Grades 4-5 to the Primary**

**Primary: Grades K-5 (562 Students) plus Pre-School**

Grades K-2: 287 Students @ 20/CR = 14 CR's; Grades 3-5: 275 Students @ 25/CR = 11 CR's

25 Total General CR's Needed plus Pre-School

23 CR's Available (plus Music & PE) - Use: 16 Grades K-5; 2 Spec. Ed; Art; Comp.; Title 1; 2 Pre-K

Need an Additional 8-9 CR 's	@	10,000 sf	Addition
Additional Toilets for Grades 4-5	@	600 sf	Addition
Additional Computer Lab	@	1,300 sf	Addition
Expand Media Center	@	900 sf	Addition
Expand Cafeteria - convert Stage to Dining	@	1,000 sf	Remodeling
Provide Storage & Portable Stage			
Playground Equipment for Grades 4-5			Sitework

Note: Kindergarten assumed to be Full-Day

**Middle School: Grades 6-8 (270 Students)**

Remodel as Required to Extend Useful Life of the Building

**High School: Grades 9-12 (380 Students)**

No Change - No Facility Improvements are Required

**Intermediate: Removed from K-12 Service**

**Option #3B: Move 4th Grade to Primary & 5th to MS**

**Primary: Grades K-4 (471 Students) plus Pre-School**

Grades K-2: 287 Students @ 20/CR = 14 CR's; Grades 3-4: 184 Students @ 25/CR = 7 CR's

21 Total General CR's Needed plus Pre-School

23 CR's Available (plus Music & PE) - Use: 16 Grades K-4; 2 Spec. Ed; Art; Comp.; Title 1; 2 Pre-K

Need an Additional 4-5 CR 's	@	6000 sf	Addition
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**Middle School: Grades 5-8 (361 Students)**

Grades 5-8: 361 Students @ 25/TS @ 90% Utilization = 16 TS plus 1 Spec. Ed.

19 Teaching Stations Available, including Gym - Use 17 Grades 5-8; Gym; 5th Gr. Music Room

No Additions Required

Remodel as Required for 5th Grade and to Extend Useful Life of the Building

**High School: Grades 9-12 (380 Students)**

No Change - No Facility Improvements are Required

**Intermediate: Removed from K-12 Service**



**Option #3C: Move Grades 4-5 to MS & Grade 8 to HS**

**Primary: Grades K-3 (379 Students) plus Pre-School**

No Change - No Facility Improvements are Required

**Middle School: Grades 4-7 (356 Students)**

Grades 4-5: 183 Students @ 25/CR = 7 CR's

Grades 6-7: 173 Students @ 25 Students/TS @ 90% Utilization = 8 TS

Need 15 Total Teaching Stations plus 2 Special Ed

19 TS Avail. incl. Gym - Use 8 Grades 4-5 (7 CR's + Comp Lab); Use 8 Grades 6-7; Share: Art, Music, PE

Remodel Art/Tech Wing to accommodate additional grade & provide 2 additional rooms req'd for Special Ed

No Additions Required

Remodel as Required for New Grades and to Extend Useful Life of the Building

Add Playground Grades 4-5

**High School: Grades 8-12 (477 Students)**

477 Students @ 25 Students/TS @ 85% Utilization = 22.5 T.S.

23 Teaching Stations Available

No Additions Required if 8th Grade is "Integrated" into the HS

If 8th Grade is "Segregated" from Grades 9-12, provide:

Need Additional 3 CR, Special Ed, & Science @ 8000 sf Addition

**Intermediate: Removed from K-12 Service**

**Option # 3D: K-6 at Primary and MS; 7-12 at HS**

K-6: 661 Students / 2 Buildings = 330 Students/Building

K-2: 287 Students = 14 CR's at 20 Students = 2-K; 2-1st; 2-2nd + Swing CR at each Building

Grades 3-6: 374 Students = 15 CR's at 25 Students = 2-3rd; 2-4th; 2-5th; 2-6th at each building (less 1 CR)

**Primary: Grades K-6 (330 Students)**

Need: 15 General CR's; 2 Special Ed; 1 Pre-K; Art, Music, Computer, Title 1 = 22 CR's

25 CR's Available including Music Room and Converted Locker Room for Pre-K

**Existing Middle School: Grades K-6 Elementary (330 Students)**

Need: 14 General CR's; 2 Special Ed; 1 Pre-K; Art, Music, Computer, Title 1 = 21 CR's

18 "CR's" Available (not including Gym)

Need to shift 3 CR's (1 section of 3 grades) from MS to Primary to balance Enroll. against Building Size

Remodel as Required for New Program and to Extend Useful Life of the Building

**New Grades 7-8 School (See Option 2D)**

D.1 Construct New Building for 180-200 Students; approximately 44,100 square feet (see program)

D.2 Construct New Grades 7-8 Wing on HS for 180-200 Students; approx. 30,400 square feet (see program)

**High School: Grades 9-12 (380 Students)**

No Change - No Facility Improvements are Required



**Option #3E: Move 4th Grade to Primary; 5th Grade to MS; and 8th Grade to HS**

**Primary: Grades K-4 (471 Students) plus Pre-School**

Grades K-2: 287 Students @ 20/CR = 14 CR's; Grades 3-4: 184 Students @ 25/CR = 7 CR's

21 Total General CR's Needed plus Pre-School

23 CR's Available (plus Music & PE) - Use: 16 Grades K-4; 2 Spec. Ed; Art; Comp.; Title 1; 2 Pre-K

Need an Additional 4-5 CR 's @ 6000 sf Addition

**Middle School: Grades 5-7 (264 Students)**

Grade 5: 91 Students @ 25/CR = 4 CR's

Grades 6-7: 173 Students @ 25/TS @ 90% Utilization = 8 TS plus 1 Spec. Ed.

19 TS Available, incl. Gym - Use 4 Grade 5; Use 8 Grades 6-7; Share: Gym, Art, Music, Comp; 3 Open

No Additions Required

Remodel as Required for New Grade and to Extend Useful Life of the Building

**High School: Grades 8-12 (477 Students)**

477 Students @ 25 Students/TS @ 85% Utilization = 22.5 T.S.

23 Teaching Stations Available

No Additions Required if 8th Grade is "Integrated" into the HS

If 8th Grade is "Segregated" from Grades 9-12, provide: 3 CR's, 1 Science, 1 Special Ed

**Intermediate: Removed from K-12 Service**