















- A. Introduction and Summary
- B. Capacity Analysis Data







#### **Executive Summary**

The goal of this Capacity Study is to provide a roadmap for long-term planning which allows the district to adapt to enrollment and usage changes at the District's four actively utilized schools. The study measures how effectively a school's available space is being used in relation to its designed capacity. Our process involves assessing the existing facilities' square footage and usage and then comparing these data points to recommended guidelines provided in the Guide for Planning School Construction Projects in Minnesota, a de facto national school planning standard. From this we derive an optimal functionial capacity for each school which is then assessed against future enrollment projections. These findings allow for decisions to be made on how to optimize current space usage and plan for future adjustments to accommodate shifts in student enrollment.

GreenAssociates would like to thank the District and the School Board for the opportunity to support the district in their mission: To educate students to be self-directed learners, collaborative workers, complex thinkers, quality producers and community contributors.







## **Capacity Analysis Overview**

School Name	Current Enrollment	Peak Projected Enrollment Through 2029	Functional Capacity*
Highland Elementary School	382	382	403
Monroe Center Grade School	320	342	433
Meridian Junior High School	331	342	486
Stillman Valley High School	443	448	705

<sup>\*</sup>Based on area and class size recommendations from the 2018 Guide for Planning School Construction Projects in Minnesota, and at 80% gross utilization of teaching stations.

# **Enrollment Projections\***

	EI		lighl entar		chool				enter hool	Jun				Stillman Vall High School			-		
Year	PK	K	1	2	School Subtotal	3	4	5	School Subtotal	6	7	8	School Subtotal	9	10	11	12	School Subtotal	District Total
FY 25	62	107	99	114	382	106	122	92	320	95	123	113	331	104	102	129	113	448	1481
FY 26	62	110	107	99	378	114	106	122	342	92	95	123	310	113	104	102	129	448	1478
FY 27	62	105	108	99	374	99	114	106	319	122	92	95	309	123	113	104	102	442	1444
FY 28	62	106	106	106	380	106	99	114	319	106	122	92	320	95	123	113	104	435	1454
FY 29	62	106	106	106	380	106	106	99	311	114	106	122	342	92	95	123	113	423	1456

<sup>\*</sup>Provided by Meridian CUSD 223





### MERIDIAN COMMUNITY UNIT SCHOOL DISTRICT #223 CAPACITY ANALYSIS - TEACHING STATIONS HIGHLAND ELEMENTARY SCHOOL



				Exis	ting	Recommended Capacity				
Department	Room Number	Team/ Grade	Room/ Type	SF	Avg Class Size	Rec. SF	Avg Class Size	SF Per Student	Existing Capacity	
GENERAL ED	02	KINDERGARTEN	CLASSROOM	863	21	1200	22	50	17	
	03	KINDERGARTEN	CLASSROOM	863	20	1200	22	SF Per Student	17	
	04	KINDERGARTEN	CLASSROOM	862	20	1200	22	50	17	
	05	KINDERGARTEN	CLASSROOM	863	19	1200	22	50	17	
	06	1ST GRADE	CLASSROOM	862	19	1000	26	38	22	
	07	KINDERGARTEN	CLASSROOM	869	19	1200	22	50	17	
	08	KINDERGARTEN	CLASSROOM	848	20	1200	22	50	16	
	09	KINDERGARTEN	CLASSROOM	1084	21	1200	22	50	21	
	10	1ST GRADE	CLASSROOM	882	20	1000	26	38	23	
	11	1ST GRADE	CLASSROOM	876	19	1000	26	38	23	
	12	1ST GRADE	CLASSROOM	878	20	1000	26	38	23	
	14	2ND GRADE	CLASSROOM	880	21	900	26	35	25	
	15	1ST GRADE	CLASSROOM	875	20	1000	26	38	23	
	16	2ND GRADE	CLASSROOM	877	21	900	26	35	25	
	17	2ND GRADE	CLASSROOM	874	20	900	26	35	24	
	18	2ND GRADE	CLASSROOM	857	21	900	26	35	24	
	19	2ND GRADE	CLASSROOM	858	21	900	26	35	24	
	21	2ND GRADE	CLASSROOM	858	21	900	26	35	24	
	30	PRE-K	CLASSROOM	1047	30	1200	26	55	19	
	31	PRE-K	CLASSROOM	1065	30	1200	26	55	19	
ENERAL ED Total				17942					420	
SPECIAL ED	13	SPED	CLASSROOM	873	13	1000	13	77	11	
PECIAL ED Total				873					11	
ENCORE	20	ART/MUSIC	ART/MUSIC	914	22	1250	26	48	19	
ENCORE Total				914					19	
PE/MPR		PE	GYMNASIUM	2503	30	7000	52	100	25	
		MPR	MULTI-PURPOSE & LUNCHROOM	2911	30	3500	26	100	29	
PE/MPR Total				5415					54	
Grand Total				25143					504	
unctional Capacity Using 80%	Utilization Fac	tor							403	

#### **LEGEND**

General Education Classroom	Between 90% and 100% of Recommended SF	Less than 90% of Recommended SF
Science/Encore Classroom	Between 80% and 100% of Recommended SF	Less than 80% of Recommended SF

### MERIDIAN COMMUNITY UNIT SCHOOL DISTRICT #223 CAPACITY ANALYSIS - TEACHING STATIONS MONROE CENTER GRADE SCHOOL



				Exis	ting	ı	Recomme	ended Capa	city
Department	Room Number	Team/ Grade	Room/ Type	SF	Avg Class Size	Rec. SF	Avg Class Size	SF Per Student	Existing Capacity
GENERAL ED	06	3RD GRADE	CLASSROOM	880	22	900	26	35	25
	07	3RD GRADE	CLASSROOM	852	19	900	26	35	24
	08	3RD GRADE	CLASSROOM	878	20	900	26	35	25
	09	3RD GRADE	CLASSROOM	858	20	900	26	35	24
	10	3RD GRADE	CLASSROOM	860	21	900	26	35	24
	16	3RD GRADE	CLASSROOM	884	18	900	26	35	25
	17	4TH GRADE	CLASSROOM	887	18	900	26	35	25
	18	4TH GRADE	CLASSROOM	885	17	900	26	35	25
	19	4TH GRADE	CLASSROOM	889	19	900	26	35	25
	20	5TH GRADE	CLASSROOM	887	18	900	26	35	25
	21	4TH GRADE	CLASSROOM	887	22	900	26	35	25
	22	5TH GRADE	CLASSROOM	886	21	900	26	35	25
	23	5TH GRADE	CLASSROOM	887	18	900	26	35	25
	24	5TH GRADE	CLASSROOM	887	18	900	26	35	25
	25	5TH GRADE	CLASSROOM	888	20	900	26	35	25
	26	5TH GRADE	CLASSROOM	898	18	900	26	35	25
GENERAL ED Total				14092					397
SPECIAL ED	03	SPECIAL ED	CLASSROOM	873	13	120	13	92	9
	13	SPECIAL ED	CLASSROOM	849	13	120	13	92	9
	15	SPECIAL ED	CLASSROOM	877	13	120	13	92	9
SPECIAL ED Total				2598					27
ENCORE	05	ART	ART	848	21	1250	26	48	17
	14	MUSIC	MUSIC	887	21	1250	26	48	18
ENCORE Total				1735					35
PE/MPR		PE	GYMNASIUM	2310	30	3500	24	100	23
	100	MPR	MULTI-PURPOSE ROOM	5982	60	7000	50	100	59
PE/MPR Total				8292					82
Grand Total				26718					541

Functional Capacity Using 8	80% Utilization Factor	433

#### **LEGEND**

General Education Classroom	Between 90% and 100% of Recommended SF	Less than 90% of Recommended SF
Science/Encore Classroom	Between 80% and 100% of Recommended SF	Less than 80% of Recommended SF

### MERIDIAN COMMUNITY UNIT SCHOOL DISTRICT #223 CAPACITY ANALYSIS - TEACHING STATIONS MERIDIAN JUNIOR HIGH SCHOOL



				Exis	ting	F	ecomm	ended Capa	city
Department	Room Number	Team/ Grade	Room/ Type	SF	Avg Class Size	Rec. SF	Avg Class Size	SF Per Student	Existing Capacity
GENERAL ED	120	8TH GRADE SCIENCE	CLASSROOM	927	20	1350	26	52	17
	121	7TH GRADE	CLASSROOM	865	19	900	26	35	24
	122	7TH GRADE	CLASSROOM	868	20	900	26	35	24
	123	7TH GRADE SCIENCE	CLASSROOM	865	18	1350	26	52	16
	127	7TH GRADE	CLASSROOM	863	18	900	26	35	24
	128	7TH GRADE	CLASSROOM	865	17	900	26	35	24
	201	8TH GRADE	CLASSROOM	790	16	900	26	35	22
	202	8TH GRADE	CLASSROOM	800	20	900	26	35	22
	203	8TH GRADE	CLASSROOM	815	17	900	26	35	23
	204	8TH GRADE	CLASSROOM	808	16	900	26	35	23
	214	6TH GRADE	CLASSROOM	868	19	900	26	35	24
	216	6TH GRADE	CLASSROOM	872	19	900	26	35	24
	217	6TH GRADE SCIENCE	CLASSROOM	867	20	1350	26	52	16
	218	6TH GRADE	CLASSROOM	872	19	900	26	35	24
	220	6TH GRADE	CLASSROOM	864	17	900	26	35	24
GENERAL ED TOTAL				12809					331
SPECIAL ED	102	SPED	CLASSROOM	811	9	1000	13	77	10
	125	SELF- CONTAINED	CLASSROOM	866	13	1000	13	77	11
	126	SPED	CLASSROOM	869	13	1000	13	77	11
	221	SPED	CLASSROOM	863	23	1000	13	77	11
SPECIAL ED TOTAL				3409					43
ENCORE	103	HEALTH/PE	CLASSROOM	938	22	900	26	35	26
	124	ART	ART	868	21	1250	26	48	18
	212	MUSIC	BAND AND CHORUS	1816	20	2000	52	38	47
	215	COMPUTERS	CLASSROOM	864	26	900	26	35	24
ENCORE TOTAL				4486					115
PE/MPR	104	PE	GYMNASIUM	8998	60	7000	52	110	81
	108	MPR	CAFETERIA/MULTI PURPOSE ROOM	4156	30	3500	26	110	37
PE/MPR TOTAL				13154					118
Grand Total				33858					607
Functional Capacity Using 80% Utiliza	ation Factor								486

#### **LEGEND**

General Education Classroom	Between 90% and 100% of Recommended SF	Less than 90% of Recommended SF
Science/Encore Classroom	Between 80% and 100% of Recommended SF	Less than 80% of Recommended SF

### MERIDIAN COMMUNITY UNIT SCHOOL DISTRICT #223 CAPACITY ANALYSIS - TEACHING STATIONS STILLMAN VALLEY HIGH SCHOOL



				Exi	sting		Recomm	ended Capa	acity
Department	Room Number	Team/ Grade	Room/ Type	SF	Avg Class Size	Rec. SF	Avg Class Size	SF Per Student	Existing Capacity
GENERAL ED	101	MATH	CLASSROOM	886	20	900	26	35	25
	107	MATH	CLASSROOM	598	17	900	26	35	17
	108	MATH	CLASSROOM	571	20	900	26	35	16
	110	MATH	CLASSROOM	949	20	900	26	35	27
	115	ENGLISH	CLASSROOM	888	17	900	26	35	25
	116	ENGLISH	CLASSROOM	871	20	900	26	35	24
	118	ENGLISH	CLASSROOM	686	21	900	26	35	19
	119	ENGLISH	CLASSROOM	728	18	900	26	35	20
	120	SCIENCE	CLASSROOM	881	17	1350	26	52	16
	121	HISTORY	CLASSROOM	684	20	900	26	35	19
	122	HISTORY	CLASSROOM	686	20	900	26	35	19
	123	SCIENCE	CLASSROOM	965	26	1350	26	52	18
	124	SCIENCE	CLASSROOM	969	24	1350	26	52	18
	125	HISTORY	CLASSROOM	681	21	900	26	35	19
	127	SCIENCE	CLASSROOM	966	20	1350	26	52	18
GENERAL ED Total				12009					300
SPECIAL ED	117	SPED	CLASSROOM	687	9	1000	13	77	8
	129	SPED	CLASSROOM	953	13	1000	13	77	12
SPECIAL ED Total				1640					20
ENCORE	102	DRIVERS ED	DRIVERS ED	738	22	900	26	35	21
	103	BUISNESS	BUSINESS	1122	20	900	26	35	32
	104	CCC	CCC	596	5	900	26	35	17
	105	GRAPHICS	GRAPHICS	814	21	900	26	35	23
	106	TECH	TECH LAB	1258	20	1250	26	48	26
	109	SPANISH	SPANISH	570	20	900	26	35	16
	111	ART	ART	1474	22	1250	26	48	30
	112	SPANISH	SPANISH	532	20	900	26	35	15
	125	AGRICULTURE	l l	912	24	900	26	35	26
	131	WOOD SHOP	WOOD SHOP	1975	18	2100	26	80	24
	132	AGRICULTURE	AGRICULTURE	884	18	900	26	35	25
	133	METAL SHOP	METAL SHOP	2310	18	2100	26	80	28
	135	MUSIC	BAND AND CHORUS	1697	24	2100	52	40	42
	137	DRAFTING	DRAFTING	726	11	900	26	35	20
ENCORE Total				15608					345
PE/MPR	G-1	PE-MPR	MPR/WEIGHT/WRESTLE		60	7500	26	125	130
	G-2	PE	GYMNASIUM	10872	60	12000	52	125	86
PE/MPR Total		. =		27246					216
Grand Total				56503					881
Functional Capacity Using 80% Utiliz	zation Facto	r		00000					705
		D-4 000/				1 0	000/	- f D -	
General Education Classroom		Between 90%	and 100% of Recomme	ended SF		Less th	an 90% (	of Recomm	ended SF