



Facility Planning Process



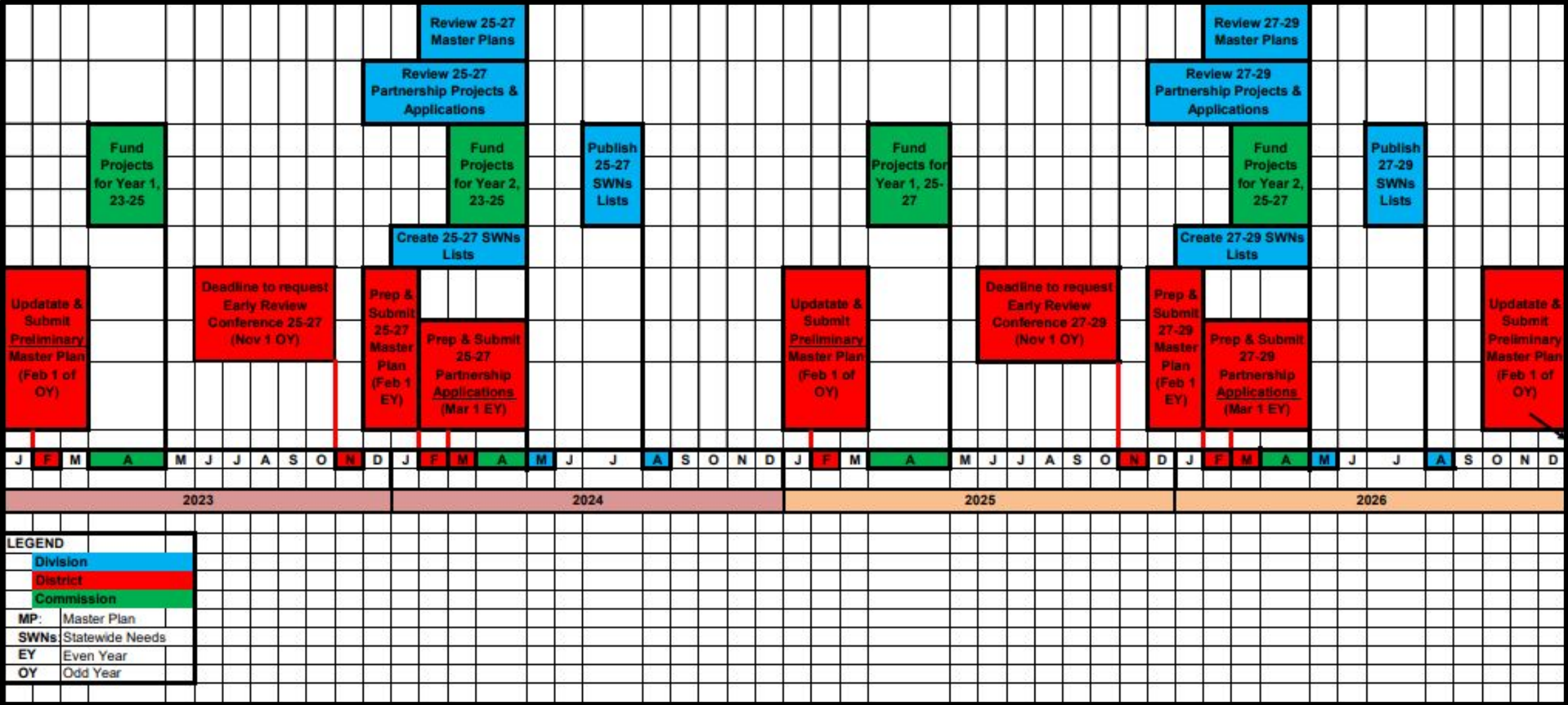
mahg
architecture

Master Plan

6 – year plan developed by school district:

- **Maintenance**
- **Repairs**
- **Renovations**
- **New Construction**

Current Timeline for the Master Plans, Partnership Applications, Statewide Needs List, & Partnership Funding





What is a Statewide Needs List?

A list of statewide needs from the greatest need to the least need



What is the Purpose?

- A planning tool for the next Partnership cycle
- One of the ranking criteria for projects in the current Partnership cycle



Two Statewide Needs Lists

- Space
- Warm, Safe, and Dry
- Recommended by Advisory Committee



Criteria for Space Statewide Needs List

- 5-Year Projected Growth Ranking, high to low 25%
- 5-Year Projected Growth % Ranking, high to low 25%
- Suitability Ranking, high to low 25%
- Suitability % Ranking, high to low 25%



Criteria for Warm, Safe, and Dry Statewide Needs List

- Building Value Ranking, low to high 50%
- Facility Condition Index (FCI) Ranking, high to low 50%

Fort Smith Public Schools

Student Populations Projections Summary

YEAR	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total	Growth
Last five years of enrollment															
2008-09	1,154	1,140	1,078	1,131	1,040	1,038	1,003	1,068	1,020	1,077	1,048	1,040	909	13,746	
2009-10	1,086	1,111	1,117	1,067	1,112	1,040	987	1,107	1,058	1,061	1,053	983	1,000	13,782	0.26%
2010-11	1,127	1,059	1,103	1,084	1,039	1,100	993	1,094	1,125	1,107	1,064	1,011	944	13,850	0.49%
2011-12	1,105	1,097	1,021	1,069	1,053	1,015	1,109	1,077	1,103	1,160	1,110	1,036	937	13,892	0.30%
2012-13	1,243	1,044	1,061	1,006	1,045	1,049	1,009	1,199	1,084	1,109	1,168	1,064	966	14,047	1.12%
2013-14	1,224	1,204	1,040	1,034	1,006	1,030	1,043	1,113	1,200	1,103	1,147	1,162	1,007	14,313	1.89%
Future Projections															
2014-15	1,241	1,181	1,180	1,017	1,015	996	1,010	1,143	1,118	1,234	1,108	1,107	1,099	14,448	0.94%
2015-16	1,284	1,198	1,158	1,151	997	1,002	982	1,105	1,152	1,147	1,246	1,076	1,043	14,541	0.64%
2016-17	1,329	1,237	1,171	1,130	1,130	985	995	1,072	1,112	1,176	1,160	1,212	1,010	14,720	1.23%
2017-18	1,376	1,278	1,213	1,145	1,113	1,118	974	1,087	1,077	1,133	1,193	1,128	1,141	14,977	1.74%
2018-19	1,424	1,327	1,256	1,184	1,129	1,099	1,106	1,068	1,092	1,102	1,150	1,163	1,064	15,164	1.25%
2019-20	1,474	1,373	1,301	1,227	1,164	1,115	1,085	1,210	1,073	1,118	1,114	1,117	1,095	15,467	2.00%
2020-21	1,525	1,420	1,345	1,270	1,206	1,150	1,103	1,187	1,217	1,098	1,132	1,083	1,052	15,790	2.08%
2021-22	1,579	1,470	1,392	1,314	1,250	1,192	1,138	1,207	1,194	1,243	1,112	1,101	1,019	16,210	2.66%
2022-23	1,634	1,521	1,441	1,360	1,293	1,235	1,179	1,245	1,213	1,220	1,260	1,081	1,037	16,719	3.14%
2023-24	1,691	1,575	1,492	1,408	1,338	1,278	1,221	1,290	1,252	1,240	1,236	1,225	1,018	17,264	3.26%
2024-25	1,750	1,630	1,544	1,457	1,384	1,322	1,263	1,336	1,297	1,280	1,256	1,201	1,154	17,875	3.54%
2025-26	1,812	1,687	1,598	1,508	1,433	1,368	1,308	1,382	1,343	1,326	1,296	1,221	1,131	18,413	3.01%
2026-27	1,875	1,746	1,654	1,561	1,484	1,416	1,353	1,431	1,389	1,373	1,343	1,260	1,150	19,035	3.38%
2027-28	1,941	1,807	1,712	1,616	1,535	1,466	1,401	1,480	1,438	1,421	1,391	1,306	1,187	19,700	3.49%

Provided by MAHG Architecture, 2013

Partnership Funding

School	Enrollment	Batesville	Camden	Fayetteville	Fort Smith	Harrison
K-5	200	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
K-5	350	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
K-5	550	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
K-5	750	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
K-5	950	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
6-8	200	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
6-8	350	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
6-8	550	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
6-8	750	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
6-8	950	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
9-12	250	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
9-12	500	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
9-12	1000	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
9-12	1500	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
9-12	2000	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
9-12	2500	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
K-12	650	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
K-8	690	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
6-12	700	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00

Direct and Indirect Cost of NEW FACILITY (Prices Escalated to July 1, 2024)

District Wealth Index

LEA #	County	District	High Growth	6/15/22 2021 Total Valuations	2021 Value of 1 Mill	Value of 1 Mill per Highest 10- year ADM	Household Median Income (U.S. Census-ACS 2021)	Relative Median Income	District Share of Wealth Index	State Share of Wealth Index
6201	ST FRANCIS	FORREST CITY		221,395,965.00	221,395.97	74.95	34,771	0.3561	0.187831162657188	0.8121688373428120
6601	SEBASTIAN	FORT SMITH		1,643,551,362.00	1,643,551.36	115.17	46,264	0.4738	0.384020845955501	0.6159791540444990
4603	MILLER	FOUKE		83,108,851.00	83,108.85	76.85	58,018	0.5942	0.321336712491159	0.6786632875088410

Program of Requirements

SCHOOL DISTRICT		FSPS													
SCHOOL NAME		Cook Elementary				USER DOCUMENTATION -									
PROJECT NAME		Cook Elementary				RUN BY:		MAHG							
PROJECT NUMBER						DATE:		12.4.2013							
1. NUMBER OF STUDENTS Enter maximum projected number of students during next ten years															
Kindergarten	60	Grade 7		2. KITCHEN School may have warming kitchen or full service kitchen											
Grade 1	82	Grade 8		Select from menu below YES or NO if school will have warming kitchen											
Grade 2	82	Grade 9		Warming Kitchen NO											
Grade 3	82	Grade 10		Full Service Kitchen YES											
Grade 4	82	Grade 11													
Grade 5	81	Grade 12		3. MULTI-STORY SCHOOL											
Grade 6	81	TOTAL	550	Select from menu if school is multi-story NO - Single Story											
				4. TOTAL SPACE EXISTING CAMPUS 68,274 Gross Square Feet											
TOTAL REQUIRED SPACES				55,878	Square Feet										
SUPPORT SPACE ALLOWANCE				6,036	Square Feet										
TOTAL REQUIRED + SUPPORT SPACE ALLOWANCE				61,914	Square Feet		TOTAL SPACES (sum)		0	Square Feet					
10% CONSTRUCTION FACTOR				0.10			NEW SPACES (sum)		0	Square Feet					
TOTAL REQUIRED/FUNDED SQUARE FOOTAGE				68,105	Square Feet										
REQUIRED SPACES		STANDARD	REQUIRED SPACES		NEW SPACES		EXISTING SPACES (in their final configuration)		TOTAL SPACES (NEW + EXISTING)		REQUIRED SPACES CHECK				
Space	SF	Qty	AREA	Qty	AREA	Qty	AREA	Qty	AREA	Qty	AREA	Qty	AREA		
ACADEMIC CORE															
E-AC-3	Kindergarten Classroom	1000	3	3,000						0	0	-3	-3000		
E-AC-4	Kindergarten Restroom	50	3	150						0	0	-3	-150		
E-AC-5a	Elem Classroom Grades 1-3	850	12	10,200						0	0	-12	-10200		
E-AC-5b	Elem Classroom Grades 4-5	850	6	5,100						0	0	-6	-5100		
M-AC-1a	MS Classroom Grade 6	850	3	2,550						0	0	-3	-2550		
M-AC-1b	MS Classroom Grades 7-8	850	0	0						0	0	0	0		
M-WD-1	Workforce Development	1,300	0	0						0	0	0	0		
H-AC-1	HS Classroom	850	0	0						0	0	0	0		
H-AC-2	Science Clrm/Lab-Gen/Physics	1,440	0	0						0	0	0	0		
H-AC-3	Science Clrm/Lab-Chemistry	1,440	0	0						0	0	0	0		
H-AC-4	Science Clrm/Lab-Biol/Life Sci	1,440	0	0						0	0	0	0		
H-AC-5	Science Prep	300	0	0						0	0	0	0		
H-AC-11	Chemical Storage	150	0	0						0	0	0	0		
H-AC-12	Multi-Use Room	1,500	0	0						0	0	0	0		
H-AC-13	Instructional Multi-Purpose Rm	850	0	0						0	0	0	0		
H-AC-8	Project Lab/Classroom	1,100	0	0						0	0	0	0		
E-MC-1	Reading Room/Circulation	1642	1	1,642						0	0	-1	-1642		

Program of Requirements

[illegible]

Program of Requirements

		STANDARD	REQUIRED SPACES		NEW SPACES		EXISTING SPACES (in their final configuration)		TOTAL SPACES (NEW + EXISTING)		REQUIRED SPACES CHECK	
	STUDENT DINING											
E/M/H-SD-1	Student Dining	4125	1	4,125					0	0	-1	-4125
	FOOD SERVICE											
E/M/H-FS-1	Warming Kitchen	1100	0	0					0	0	0	0
E/M/H-FS-2	Kitchen (total)	1927	1	1,927								
E/M/H-FS-2a	Preparation Area	693	1	693					0	0	-1	-693
E/M/H-FS-2b	Serving Area	655	1	655					0	0	-1	-655
E/M/H-FS-2c	Dry Food Storage	212	1	212					0	0	-1	-212
E/M/H-FS-2d	Cooler/Freezer	193	1	193					0	0	-1	-193
E/M/H-FS-2e	Ware Washing	174	1	174					0	0	-1	-174
	BUILDING SERVICES											
E/M/H-CU-1	Workroom	275	1	275					0	0	-1	-275
E/M/H-MultiSt	Vertical Circulation	0	0	0					0	0	0	0
E/M/H-BS-1	Large Group Restrooms	1288		1,288					0	0		-1288
E/M/H-BS-2	Custodial Closet	50	1	50					0	0	-1	-50
E/M/H-BS-3	Electrical Closet	50	1	50					0	0	-1	-50
E/M/H-BS-4	Telecommunications Room	64	1	64					0	0	-1	-64
E/M/H-BS-5	Corridors/Circulation	8586		8,586					0	0		-8586
E/M/H-BS-6	Mech/Elect Space/Decks	2362		2,362					0	0		-2362
E/M/H-BS-7	Storage Area	150	1	150					0	0	-1	-150
E/M/H-BS-8	Central Storage Area	150	1	150					0	0	-1	-150
E/M/H-BS-9	Loading/Receiving Area	100	1	100					0	0	-1	-100
E/M/H-BS-10	Main Cross-connect	150	1	150					0	0	-1	-150
<p>●</p> <p>NOTES: PLEASE DESCRIBE 1) ANY CONVERSIONS OF SPACE. FOR EXAMPLE, EXISTING 3,000 SF STUDENT DINING CONVERTED TO THREE 4TH GRADE CLASSROOMS.</p> <p>2) ANY SHARED SPACES WITH OTHER SCHOOLS.</p>												

Suitability Analysis

SUITABILITY ANALYSIS			
BY:	MAHG		
DATE:	02.11.14		
(CHOOSE CORRECT PROJECT TYPE)			
FOR ADDITION PROJECT	YES		
FOR NEW SCHOOL IN DISTRICT	NO		
SCHOOL DISTRICT	FSPS		
SCHOOL NAME	Cook Elementary		
PROJECT NAME	Cook Elementary		
PROJECT NUMBER	0		
	Existing Size (GROSS SF)	POR Allowance (SF)	Difference
TOTAL SCHOOL/CAMPUS	76,945	68,105	-8,840
SINGLE-PURPOSE AREAS			
Physical Education	6,823	5,500	1,323
Media Center	2,795	2,866	0
Student Dining	4,914	4,125	789
Performing Arts	2,073	0	2,073
TOTAL SUITABILITY NEED (GROSS SF)			0
FOR STATE FINANCIAL PARTICIPATION			
NOTES		District Inputs	
		From POR Summary Sheet	
		Suitability Analysis Computes	
		State Participation Area or Excess Area in Gross SF	

If the POR indicates deficient space components, the district must satisfy these components in the following order:

- **Academic Core Areas**
- **Special Education**
- **Student Dining**
- **Administrative**

The state will not participate in addition projects concerning gymnasiums, media centers, or auditoriums if the district is in need of Academic Core Areas, Special Education, or Student Dining Areas.

Existing Capacity Analysis

Class size determination:

- Kindergarten – 20 students per teacher (22 with aide)
- Grades 1-3 – 23 students per teacher average / 25 max in any classroom
- Grades 4-6 – 25 students per teacher average / 28 max in any classroom

Student Dining:

- Capacity figured at ½ capacity times (15 SF per student)

LEGEND	
GRADE	COLOR
Pre-K	Cyan
K	Purple
1	Blue
2	Yellow
3	Orange
4	Red
5	Green
Extra Classes	Pink



 **FLOOR PLAN**
1/16" = 1'-0"

FAIRVIEW ELEMENTARY

<u>Room Number</u>	<u>Room Name</u>	<u>Grade Level</u>	<u>Area</u>	<u>Meets Standards</u>	<u>Ava Students per Teacher</u>	<u>Max Students per Teacher</u>
401	Classroom	K	827	No	20	22
402	Classroom	K	820	No	20	22
403	Classroom	K	825	No	20	22
404	Classroom	PK	825	No	20	22
301	Classroom	1	901	Yes	23	25
302	Classroom	1	942	Yes	23	25
303	Classroom	1	901	Yes	23	25
304	Classroom	1	901	Yes	23	25
305	Classroom	1	901	Yes	23	25
306	Classroom	1	901	Yes	23	25
201	Classroom	2	800	No	23	25
202	Classroom	2	809	No	23	25
203	Classroom	2	804	No	23	25
204	Classroom	2	809	No	23	25
205	Classroom	2	804	No	23	25
206	Classroom	2	823	No	23	25
101	Classroom	3	819	No	23	25
102	Classroom	3	819	No	23	25
207	Classroom	3	804	No	23	25
208	Classroom	3	823	No	23	25
209	Classroom	3	823	No	23	25
211	Classroom	3	823	No	23	25
103	Classroom	4	821	No	25	28
104	Classroom	4	821	No	25	28
105	Classroom	4	821	No	25	28
106	Classroom	4	821	No	25	28
107	Classroom	4	821	No	25	28
108	Classroom	4	821	No	25	28
109	Classroom	5	821	No	25	28
110	Classroom	5	821	No	25	28
111	Classroom	5	826	No	25	28
112	Classroom	5	696	No	25	28
113	Classroom	5	824	No	25	28
114	Classroom	5	824	No	25	28
					794	874
Cafetorium (actual)			3,456		5,955	6,555
1/2 Capacity x 15sf/student (Required)						

District Summary

Elementary Schools Capacity Evaluation

<u>School Facility</u>	<u>No. of Classrooms</u>	<u>No. of Classrooms Meet Standard</u>	<u>Average Capacity</u>	<u>Max Capacity</u>	<u>Dining Meet Standard</u>
Ballman	21	2	472	518	No
Barling	25	17	541	596	No
Beard	17	16	389	427	No
Bonneville	16	4	367	403	No
Carnall	16	5	318	342	No
Cavanaugh	19	17	427	467	No
Cook	33	17	676	744	Yes
Euper Lane	26	25	510	554	No
Fairview	34	6	794	874	No
Howard	18	2	397	437	No
Morrison	20	20	380	418	No
Orr	22	10	505	555	No
Park	24	13	551	605	No
Spradling	20	11	460	506	No
Sunnymede	29	21	675	743	No
Sutton	29	6	637	701	No
Tilles	24	10	546	599	No
Trusty	12	1	288	318	No
Woods	27	24	606	668	Yes
TOTAL	432	227	9539	10475	