

Business, Finance and Planning

TO: School Committee

FROM: Liam Hurley, Assistant Superintendent/Chief Financial & Administrative Officer

Julie Kirrane, Director of Business and Planning

DATE: June 11, 2018

RE: Student Assignment Working Group: Recommendation

The Student Assignment Working Group is presenting a recommended solution: Scenario H.4. This proposal combines the most favorable aspects of the preliminary scenarios and results in new enrollment projections that are balanced and equitable. New capacity projections are improved for six schools including Cabot, Burr Peirce, Franklin, Horace Mann and Lincoln-Eliot. The balanced capacity projections resulting from Scenario H.4 will serve the district well over the next five years, when enrollment trends may be shifting. Scenario H.4 represents a balanced and conservative approach to student reassignment.

Maintaining balanced enrollment, especially between Horace Mann and Lincoln-Eliot, is also important to minimize the impact on middle school enrollment. Bigelow and Day Middle School are projected to have fairly stable enrollment over the next five years and are operating at close to capacity. The working group chose to minimize changes that would shift students between Bigelow and Day.

Specific student assignment changes include the following and are illustrated on the attached map:

- North expansion of Cabot district across the Mass Turnpike to Turner and Central (between Crafts and Lowell)
- Cabot and Horace Mann buffer zone added at Central and Prescott
- Western Horace Mann district is assigned to Peirce (Cross/Eddy)
- Horace Mann district expanded from Nevada to Adams Street
- Conversion of Franklin buffer zone areas to Burr and Horace Mann district
- Conversion of small area of Franklin district north of #5 to Horace Mann
- Buffer zone added between Cabot and Underwood
- Horace Mann-Lincoln-Eliot buffer zone eliminated with students north of Watertown Street assigned to Horace Mann and students south of Watertown Street assigned to Lincoln-Eliot

Assumptions

Scenario H.4 assumes that Washington Place is occupied and builds future students into the projections from that new development. Students from other new developments have been included in the five-year enrollment projections since 2014 (Court Street) and 2015 (Austin Street) when those developments were permitted.

Scenario H.4 assumes an impact on the bus fleet and the addition of bus stops. With school boundaries crossing the Massachusetts turnpike, which earlier presentations demonstrated was necessary, this became inevitable.

Other Main Considerations

Walking distances to school are carefully considered in Scenario H.4. Distance to school is the main factor that leads the working group to recommend two buffer zones. There are only a few areas of the new Horace Mann district that are between 0.75 to 1.0 miles to school; all other areas are less than .75 miles from the Carr

building. Horace Mann has a history of being a walking school, and it is hoped that deployment of crossing guards will help promote walking from those limited furthest areas from school.

The section of the proposed Cabot district that is on the north side of the turnpike is between 0.5 and 0.8 miles walking distance to Cabot. It is hoped that the recently improved Harvard Street bridge crossing will be helpful in promoting walking to Cabot.

The district has considered the West Newton Square area for assignment to Peirce in the past due to crowding at Franklin. Previously, no changes have been enacted in this area due to potential bus impact and associated costs. Now that the new location of Horace Mann will be over one mile way, bussing likely would be required in this area regardless of school district. Reassigning students from the most western area of the Horace Mann district to Peirce will offset projected enrollment decline at Peirce. This change can be done with a good size cohort of students assigned to the new school each year. The Cross and Eddy Street area is dense and 9 students per year are projected to be assigned to Peirce.

Alternates Considered

An alternate solution was considered by the working group in which the West Newton area is reassigned to Cabot. This allowed the Central / Prescott area north of Court Street to remain as Horace Mann district with its desirable walking distances to the new Horace Mann. This alternate has several downsides, though, that include new projected capacities at Horace Mann of 99% and Cabot of 98%, and generally has less balanced enrollments among north-side schools.

The working group also looked carefully at the Adams to Bridge Street area which is 0.25 to 0.5 miles to the new Horace Mann location. There is no recommendation for change in this area in order to maintain balanced enrollments at Horace Mann and Lincoln-Eliot, and to avoid a significant impact on Bigelow and Day enrollment.

Future Considerations

The working group is aware that additional consideration of some student assignment areas likely will continue to be necessary in the near future, with annual review of buffer zones expected to continue. For example, Franklin is currently a heavily buffered school. Buffer zones were expanded for the 2016-17 school year in order to manage critical crowding. Also, Underwood and Ward are schools that are not adjusted in the current proposal, and Ward is enrolled close to capacity. In the short-term, the district will continue to manage enrollment at Ward using two existing buffer zones with Underwood and Mason-Rice.

As always, enrollment projections are subject to change, especially when external trends shift including broad demographic trends, economic trends, housing turnover, and residential development. Enrollment from the areas of change recommended in Scenario H.4 will need to be carefully monitored going forward.

Final Phase of Outreach through September 2018

There will be a final phase of active community engagement following the SAWG recommended solution of Scenario H.4. Information about the recommendation was distributed in advance of the June 11, 2018 School Committee meeting. There will be additional opportunities for public comment next fall when School Committee is asked to vote on this recommendation. The district will continue to work with Newton GIS to send notices with listings of changes to all homeowners in areas where student reassignment is recommended. This outreach is planned for June through September 2018.

Attachments

- 1) Summary Table of all elementary school current and new enrollment projections and capacities as projected under Scenario H.4
- 2) Individual school data tables and graphs for Cabot School and Horace Mann Elementary School
- 3) H.4 Scenario Elementary District Map and map section
- 4) Presentation for advance review

School: Total Elementary

SCENARIO H.4

Current Projection

School	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	School	2017	2018
North Feeding												North Feeding		
Burr	386	382	359	343	330	336	334	327	328	330	331	Burr	386	382
Cabot	391	381	381	392	397	405	399	394	390	386	384	Cabot	391	381
Franklin	434	443	439	430	439	429	438	436	436	435	435	Franklin	434	443
Horace Mann	404	401	392	395	387	383	384	383	385	385	388	Horace Mann	404	401
Lincoln-Eliot	374	380	374	381	385	381	376	379	379	380	381	Lincoln-Eliot	374	380
Peirce	276	269	272	256	258	259	258	258	258	257	256	Peirce	276	269
Underwood	284	280	278	263	267	267	274	269	271	268	268	Underwood	284	280
Ward	309	299	291	286	285	280	288	287	287	285	586	Ward	309	299
Subtotal	2,858	2,835	2,786	2,746	2,748	2,740	2,751	2,733	2,734	2,726	2,729	Subtotal	2,858	2,835
South Feeding												South Feeding		
Angier	467	480	490	489	488	470	476	474	473	474	476	Angier	467	480
Bowen	421	410	369	374	376	372	370	369	369	368	368	Bowen	421	410
Countryside	410	411	405	394	384	383	388	383	382	382	384	Countryside	410	411
Mason-Rice	512	497	472	437	417	418	424	414	412	413	414	Mason-Rice	512	497
Memorial-Spaulding	453	466	471	461	459	463	459	456	453	451	447	Memorial-Spaulding	453	466
Williams	296	285	293	299	290	295	295	295	292	293	291	Williams	296	285
Zervas	407	432	454	473	495	486	485	206	208	503	504	Zervas	407	432
Subtotal	2,966	2,981	2,954	2,927	2,909	2,887	2,897	2,897	2,889	2,884	2,884	Subtotal	2,966	2,981
Total Elem	5,824	5,816	5,740	5,673	2,657	5,627	5,648	5,630	5,623	5,610	5,613	Total Elem	5,824	5,816
												Diff	0	0

New Projection

027	School	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	North Feeding											
131	Burr	386	382	361	347	336	344	344	339	340	342	343
84	Cabot	391	381	388	408	422	439	442	446	444	440	438
35	Franklin	434	443	431	414	415	397	398	388	388	387	387
88	Horace Mann	404	401	389	389	378	371	369	365	367	367	370
181	Lincoln-Eliot	374	380	368	369	367	357	346	343	343	344	345
95:	Peirce	276	569	281	274	285	295	303	312	312	311	310
89:	Underwood	284	280	277	261	264	263	569	263	265	262	262
98:	Ward	309	299	291	286	285	280	288	287	287	285	286
729	Subtotal	2,858	2,835	2,786	2,748	2,752	2,746	2,759	2,743	2,746	2,738	2,741
	South Feeding											
92:	Angier	467	480	490	489	488	470	476	474	473	474	476
89	Bowen	421	410	369	374	376	372	370	369	369	368	368
84	Countryside	410	411	405	394	384	383	388	383	382	382	384
114	Mason-Rice	512	497	472	437	417	418	424	414	412	413	414
147	Memorial-Spaulding	453	466	471	461	459	463	459	456	453	451	447
16:	Williams	296	285	293	299	290	295	295	295	292	293	291
40	Zervas	407	432	454	473	495	486	485	909	508	503	504
884	Subtotal	2,966	2,981	2,954	2,927	2,909	2,887	2,897	2,897	2,889	2,884	2,884
613	Total Elem	5,824	5,816	5,740	2,675	2,661	2,633	959'5	5,640	5,635	5,622	5,625
	Diff	0	0	0	7	4	9	8	10	12	12	12
1												

Current Projection - Capacity Projection - Percents	n - Cap	acity Pr	ojectio	ın - Per	cents							New Proje
Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Year
North Feeding												North Feedin
Burr	%26	%96	91%	81%	83%	85%	84%	83%	83%	83%	84%	Burr
Cabot	94%	91%	%62	81%	82%	84%	82%	81%	81%	%08	%62	Cabot
Franklin	%66	101%	100%	%86	100%	%86	100%	%66	%66	%66	%66	Franklin
Horace Mann	122%	122%	%86	%66	%26	%96	%96	%96	%96	%96	%26	Horace Mann
Lincoln-Eliot	94%	%96	94%	%96	826	%96	82%	%96	%96	%96	%96	Lincoln-Eliot
Peirce	84%	82%	82%	78%	78%	78%	78%	78%	78%	78%	78%	Peirce
Underwood	%98	85%	84%	%08	81%	81%	83%	82%	82%	81%	81%	Underwood
Ward	100%	%26	94%	886	93%	91%	94%	93%	83%	886	83%	Ward
Subtotal	%26	%96	%06	%68	%68	%68	%68	%68	%68	88%	%88	Subtotal
South Feeding												South Feedin
Angier	95%	%56	%26	%26	%96	886	94%	94%	886	94%	94%	Angier
Bowen	81%	85%	%92	%//	78%	77%	%92	%92	%92	%92	%9/	Bowen
Countryside	93%	886	95%	%06	87%	81%	%88	87%	81%	81%	87%	Countryside
Mason-Rice	116%	113%	107%	%66	82%	%36	%96	94%	94%	94%	94%	Mason-Rice
Memorial-Spaulding	%06	95%	866	91%	91%	95%	91%	%06	%06	%68	%88	Memorial-Spa
Williams	103%	100%	102%	105%	101%	103%	103%	103%	102%	102%	102%	Williams
Zervas	%//	82%	%98	%06	94%	87%	95%	%96	%96	%56	%56	Zervas
Subtotal	83%	93%	93%	92%	91%	91%	91%	91%	91%	80%	%06	Subtotal
Total Elem	%56	%56	%16	%06	%06	%06	%06	%06	%06	%68	%68	Total Elem

v Projection - Capacity Projection - Percents

27	Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	North Feeding											
%	Burr	%26	%96	91%	88%	85%	87%	87%	%98	%98	%98	87%
%	Cabot	94%	91%	%08	84%	87%	91%	91%	95%	95%	91%	%06
%	Franklin	%66	101%	%86	94%	94%	%06	%06	%88	88%	88%	%88
%	Horace Mann	122%	122%	%26	%26	82%	93%	95%	91%	95%	95%	93%
%	Lincoln-Eliot	94%	%96	93%	93%	93%	%06	87%	87%	87%	87%	87%
%	Peirce	84%	82%	85%	83%	%98	%68	95%	95%	95%	94%	94%
%	Underwood	%98	85%	84%	%62	80%	%08	82%	80%	%08	%62	%62
%	Ward	100%	%26	94%	93%	93%	91%	94%	93%	93%	93%	93%
%	Subtotal	%26	%96	%06	%68	%68	%68	%68	%68	%68	%68	%68
	South Feeding											
%	Angier	95%	%26	826	%26	%96	886	94%	94%	886	94%	94%
%	Bowen	87%	85%	%92	77%	78%	77%	%92	%92	%92	%92	%9/
%	Countryside	886	83%	95%	%06	81%	87%	%88	87%	87%	87%	87%
%	Mason-Rice	116%	113%	107%	%66	82%	95%	%96	94%	94%	94%	94%
%	Memorial-Spaulding	%06	95%	93%	91%	91%	95%	91%	%06	%06	%68	%88
5%	Williams	103%	100%	102%	105%	101%	103%	103%	103%	102%	102%	102%
%	Zervas	77%	82%	%98	%06	94%	95%	95%	%96	%96	826	826
%	Subtotal	93%	93%	93%	95%	91%	91%	91%	91%	91%	%06	%06
%	Total Elem	%56	%56	91%	%06	%06	%06	%06	%06	%06	%06	%06

School: Cabot

New		28 58 56 55 56 56	65 62 61 61	9 9 99 20 69 69 69	70 70 71 70 67 66	62 70 70 70 69 67	68 64 72 72 72	700 000 000 100 100
	2020		_					
	2018	22	63	62	99	89	69 29	L
urrent Projection	Grade 2017	K 57	1 57	2 64	3 68	4 65	2 80	1-4-T

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_	Grade	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
_	¥	22	22	62	29	29	29	9	64	92	9	9
	1	57	63	62	73	75	74	71	70	70	70	71
	2	64	62	99	69	9/	79	77	75	74	74	74
	8	89	99	63	69	70	77	80	79	9/	75	75
	4	65	89	99	62	70	70	77	79	78	9/	75
	2	80	29	69	89	64	72	72	79	81	80	78
•	Total	391	381	388	408	422	439	442	446	444	440	438
_	Diff	0	0	7	16	25	34	43	52	54	54	24

Total Enrollment: Current Projection						2023 2024 2025 2026 2027
Currer						2022 2
ment						2021
inrolli						2020
otal E						2019
_						2018
						2017
	230	490	450	410	370	290

Total Enrollment: New Projection		2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027
	530 490 450 410 370 330	290

capacity in											
Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	207
Capacity	418	418	484	484	484	484	484	484	484	484	484
% Used	94%	91%	%62	81%	85%	84%	85%	81%	81%	%08	%62
ew Capacity	0	0	484	0	0	0	0	0	0	0	0

Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Capacity	418	418	484	484	484	484	484	484	484	484	484
% Used	94%	91%	%08	84%	%18	91%	91%	%76	%76	91%	%06
New Capacity	0	0	484	0	0	0	0	0	0	0	0
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2025 2026

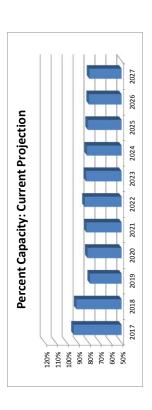
2023 2024

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2019 2020

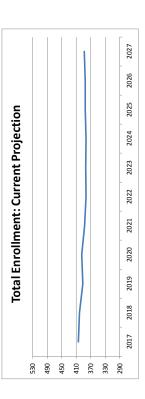
2017 2018



School: Horace Mann

Current Projection	jection											
Grade	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Grade
¥	09	09	28	59	28	29	59	29	09	09	59	×
1	29	64	64	64	63	63	64	63	64	65	99	1
2	89	99	63	63	63	62	62	63	62	63	64	2
3	64	70	29	9	64	64	64	63	65	63	64	e
4	74	89	73	71	89	89	89	89	29	89	29	4
2	71	73	29	73	71	29	29	29	29	99	89	2
Total	404	401	392	395	387	383	384	383	385	385	388	Tota

	Grade	2017	2018	2019	2020	2021	202	2023	202	2002	2026	2027
_	2000	1	0101	1010		1011	1101	1010		1010	1010	1
	¥	09	09	55	26	22	26	26	26	57	57	26
	1	29	64	64	61	9	09	61	9	61	62	63
	2	89	99	63	63	9	59	59	9	59	09	61
	8	64	70	29	65	64	61	61	9	62	09	61
	4	74	89	73	71	89	89	65	65	64	9	64
	2	71	73	29	73	71	29	29	64	64	63	65
-	Total	404	401	389	389	378	371	369	365	367	298	370
-	Diff	0	0	-3	9-	6-	-12	-15	-18	-18	-18	-18



							2027
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w Pro							2023
ıt: Ne							2022
llmer							2021
Total Enrollment: New Projection							2020
Tota							2019
							2018
							2017
	530	490	450	410	370	330	290

Capacity Pro	Projection										
Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Capacity	330	330	400	400	400	400	400	400	400	400	400
% Used	122%	172%	%86	%66	%26	%96	%96	%96	%96	%96	%26
New Capacity	0	0	400	0	0	0	0	0	0	0	0

400 Capacity 330 330 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 400 40	4707	2022	2021	2019 2020	2018 20	2017	Year
% Used 122% 97% 97% 95% 93% 92% 91% New Capacity 0 400 0 0 0 0 0	400 400		400	400 400	330 4	330	Capacity
New Capacity 0 0						122%	% Used
	0 0	0 0	0	400 0	0 4	0	New Capacity

