



Student Assignment Working Group
Preliminary Scenarios

Newton Public Schools
February 12, 2018

SAWG II Puzzle

- Projected K-5 growth is shifting / slowing
- Capacity pressure less systemic and more localized
 - Due to progress on long-range facilities plan
- School condition issues
- Planning for renovation at 150 Jackson for Lincoln-Eliot
- Dense neighborhoods and network of road ways (including Mass Pike)
- Increasing pressure on bus routes

SAWG II Goals

- ① Adjust Horace Mann and Lincoln-Eliot district boundaries accounting for new locations at Carr Building (Sep-2019) and 150 Jackson Road (planned 2022/23)
- ② Utilize new Cabot capacity to ease crowding and balance enrollment at nearby schools (Sep-2019)
- ③ Complete the process one year ahead of September 2019 when two school move into new buildings

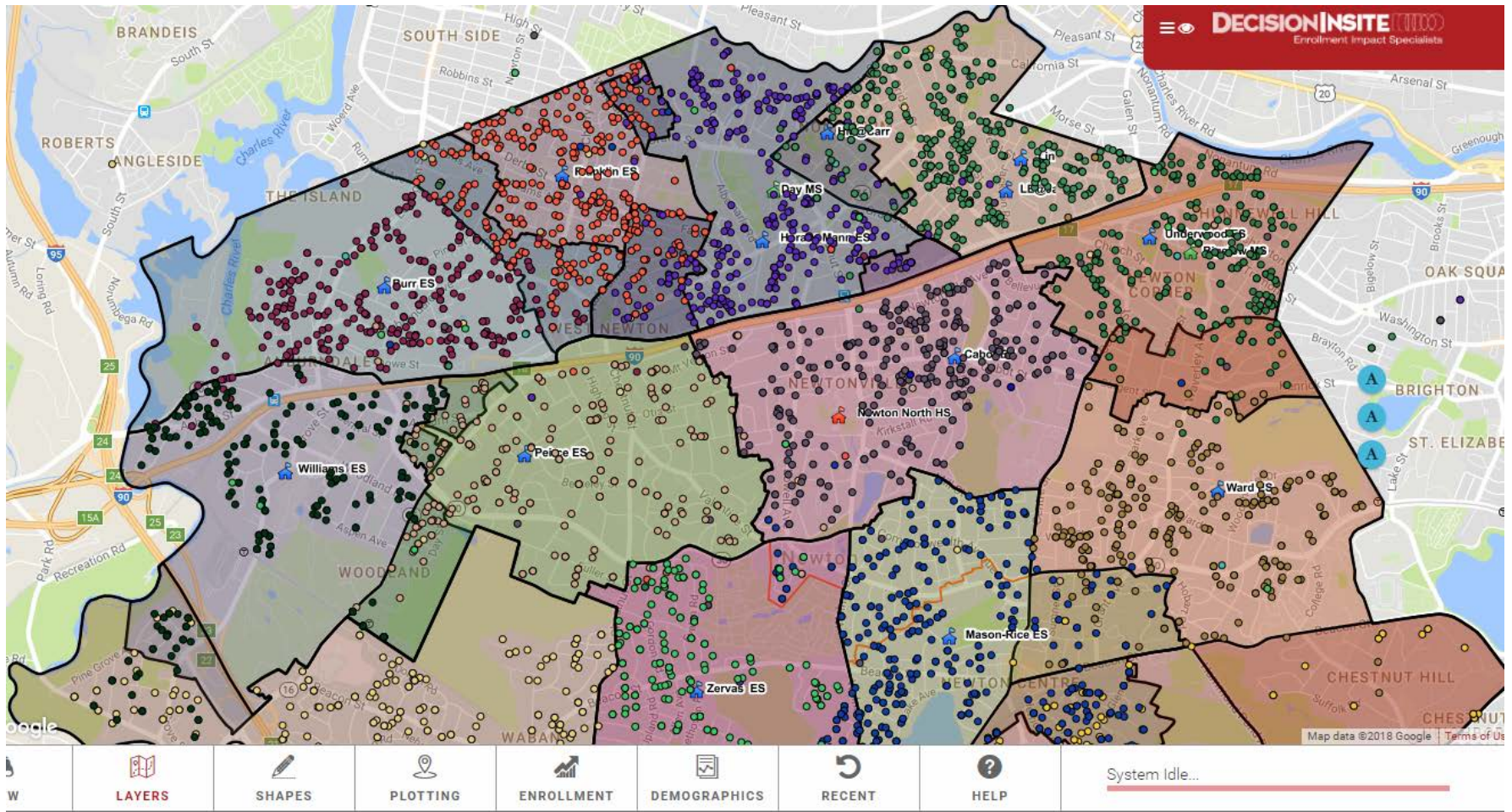
Today's presentation will:

- 1) Explain methods used
- 2) Walk through 3 Preliminary Scenarios
- 3) Share input received-to-date about preliminary scenarios
- 4) **Open a community dialogue that will lead SAWG to a recommendation in June with the most positives and the fewest negative impacts**

3 Preliminary Scenarios

- A. Balance Horace Mann with Lincoln-Eliot accounting for new locations at Carr Building and 150 Jackson Road**
- B. Include entire Washington Street corridor in Cabot district
- C. Cabot and Schools with shared boundaries**
- D. Include Mason-Rice in 'mile-to-north' zone in Cabot district
- E. Include same Mason-Rice area as a buffer zone
- F. Skipped
- G. Utilize Cabot capacity and balance Franklin and Peirce**

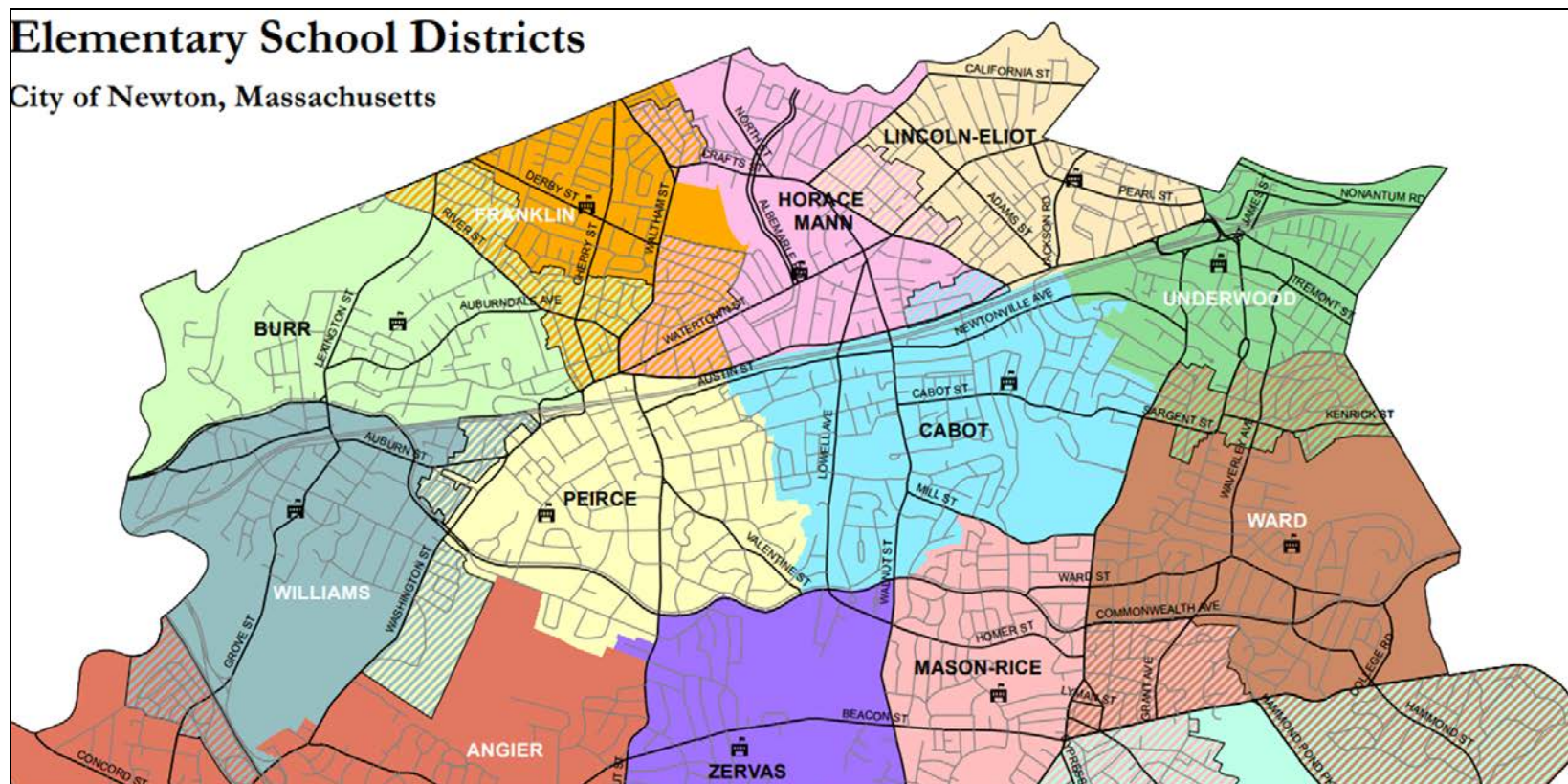
Boundary Analysis Mapping Tool



- City of Newton GIS has uploaded Newton's data to the DI tool.

School Districts and Buffer Zones

- Newton uses both district boundaries and buffer zones in its student assignment policies
- [Official City of Newton Map Library](#) – Newton GIS



Boundary Change Forecast Spreadsheet

SAMPLE SCENARIO – Based on November 2017 Enrollment Projections

Cabot

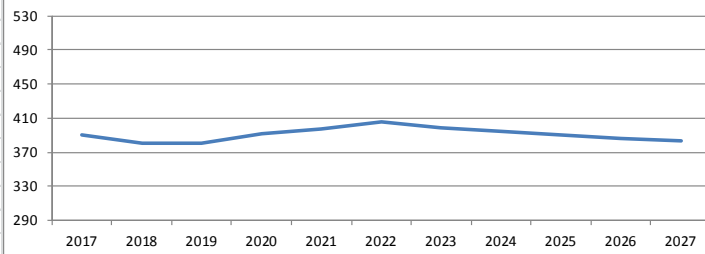
Current Projection

Grade	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
K	57	55	55	58	58	58	56	55	56	56	56
1	57	63	62	66	66	65	62	61	61	61	62
2	64	62	66	69	69	70	68	66	65	65	65
3	68	66	63	69	70	70	71	70	67	66	66
4	65	68	66	62	70	70	70	70	69	67	66
5	80	67	69	68	64	72	72	72	72	71	69
Total	391	381	381	392	397	405	399	394	390	386	384

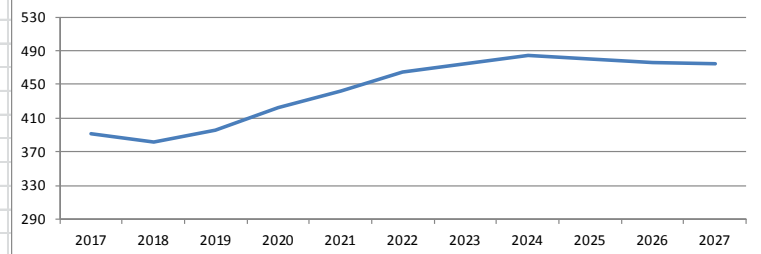
New Projection

Grade	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
K	57	55	70	73	73	73	71	70	71	71	71
1	57	63	62	81	81	80	77	76	76	76	77
2	64	62	66	69	84	85	83	81	80	80	80
3	68	66	63	69	70	85	86	85	82	81	81
4	65	68	66	62	70	70	85	85	84	82	81
5	80	67	69	68	64	72	72	87	87	86	84
Total	391	381	396	422	442	465	474	484	480	476	474
Diff	0	0	15	30	45	60	75	90	90	90	90

Total Enrollment: Current Projection



Total Enrollment: New Projection



Capacity Projection

Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Capacity	528	528	480	480	480	480	480	480	480	480	480
% Used	74%	72%	79%	82%	83%	84%	83%	82%	81%	80%	80%

Capacity Projection

Year	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Capacity	528	528	480	480	480	480	480	480	480	480	480
% Used	74%	72%	83%	88%	92%	97%	99%	101%	100%	99%	99%

Percent Capacity

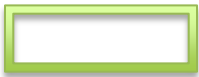
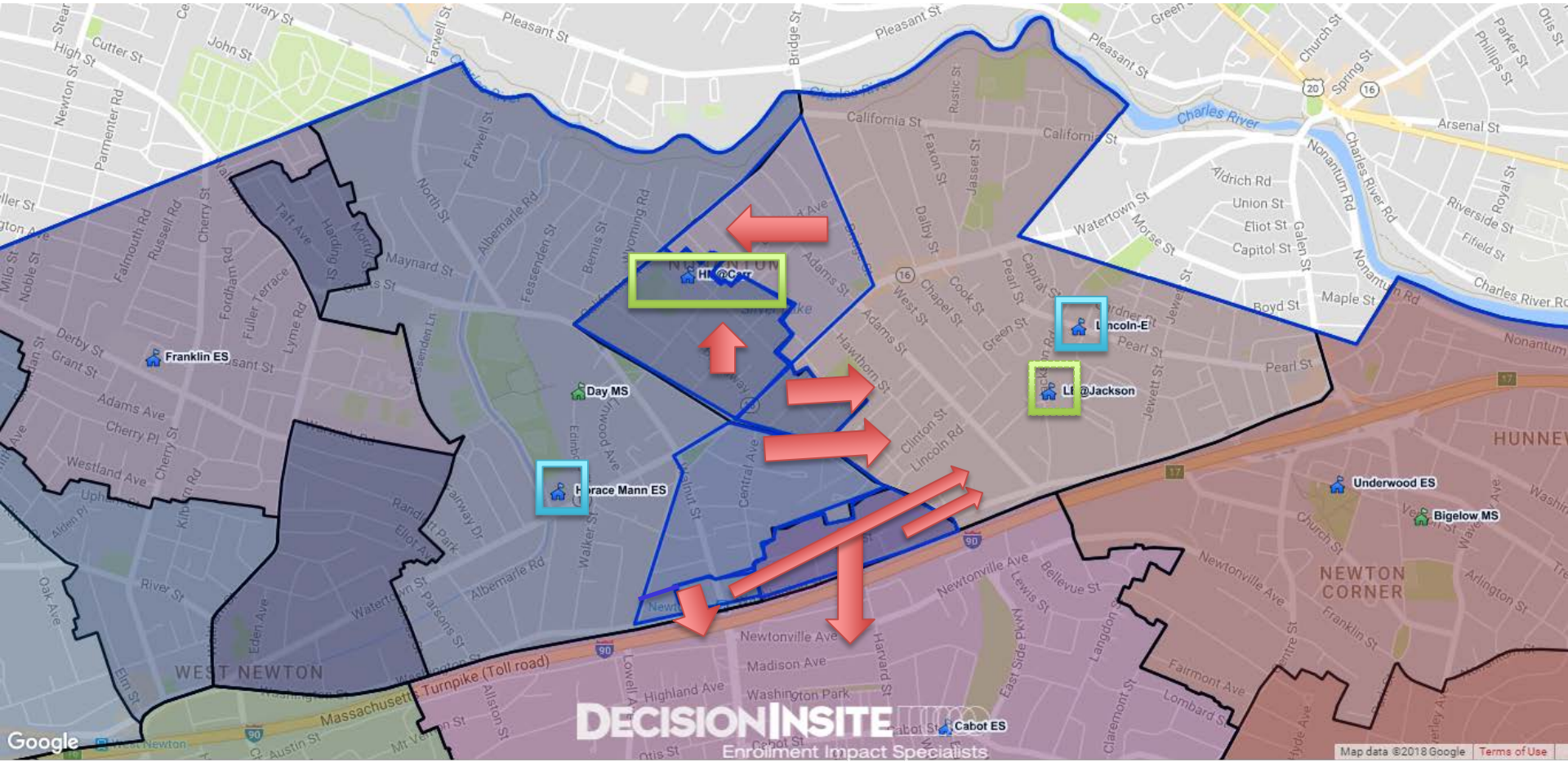
- Average of 90% is a useful reference - variation is normal
- Above 100% and below 80% is less optimal

Capacity Projection - Percents						
Year	2017	2018	2019	2020	2021	2022
North Feeding						
Burr	97%	96%	91%	87%	83%	85%
Cabot	98%	95%	79%	82%	83%	84%
Franklin	104%	106%	105%	103%	105%	103%
Horace Mann	122%	122%	98%	99%	97%	96%
Lincoln-Eliot	94%	96%	94%	96%	97%	96%
Peirce	84%	82%	82%	78%	78%	78%
Underwood	86%	85%	84%	80%	81%	81%
Ward	104%	100%	98%	96%	96%	94%
Subtotal	99%	98%	91%	90%	90%	90%

* Capacity measure is explained in the Jan. 2018 Enrollment Planning and Class Size Report

Scenario A

Balance Horace Mann and Lincoln-Eliot (A.1)



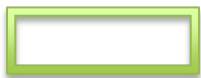
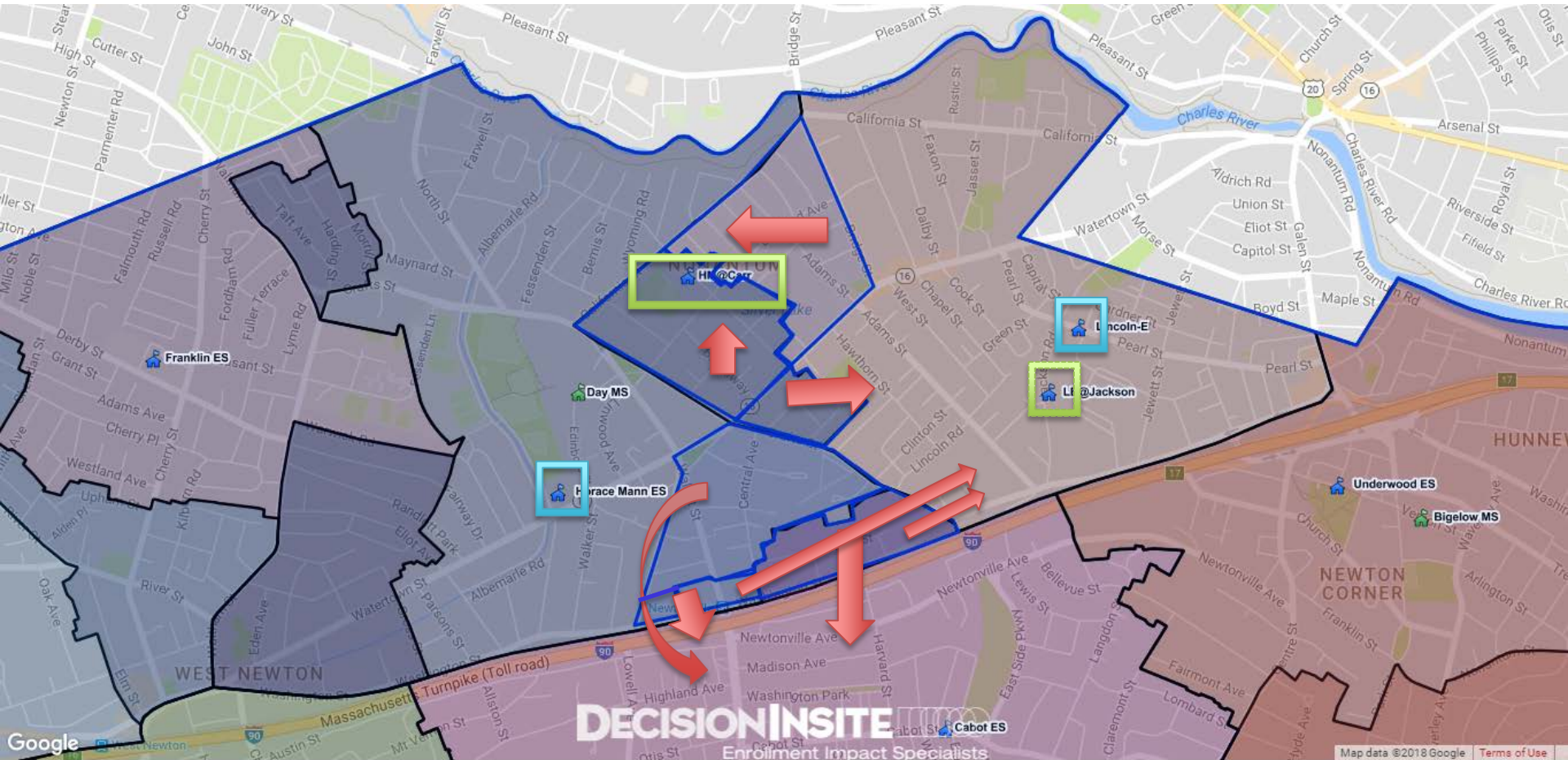
New School Locations



Future Enrollment Movement

Scenario A

Balance Horace Mann and Lincoln-Eliot (A.2)



New School Locations



Future Enrollment Movement

Results / Input for Scenario A:

Balance Horace Mann and Lincoln-Eliot

	Scenario A.1		Scenario A.2
+	Horace Mann from 122% to 100% capacity	+	Horace Mann from 122% to 100% capacity
+	Lincoln-Eliot at 96% to 92% capacity	+	Lincoln-Eliot from 96% to 84% capacity
-	New Cabot at 78% capacity	+	New Cabot at 88% capacity
-	Cabot would require second bus	-	Cabot would require second bus
+	More walkable to Lincoln-Eliot	+	Less walkable to Cabot
-	Horace Mann may require a bus	-	Horace Mann may required a bus
-	Students very close to Day attend Lincoln-Eliot, Bigelow	+	Student very close to Day attend Day

Middle School Impact

Scenario A.1

Bigelow from 95% to 93%

Day from 93% to 94%

Nevada to Bridge: Bigelow district to Day district

Central Ave. / Prescott area: Day district to Bigelow district

Scenario A.2

Bigelow from 95% to 91%

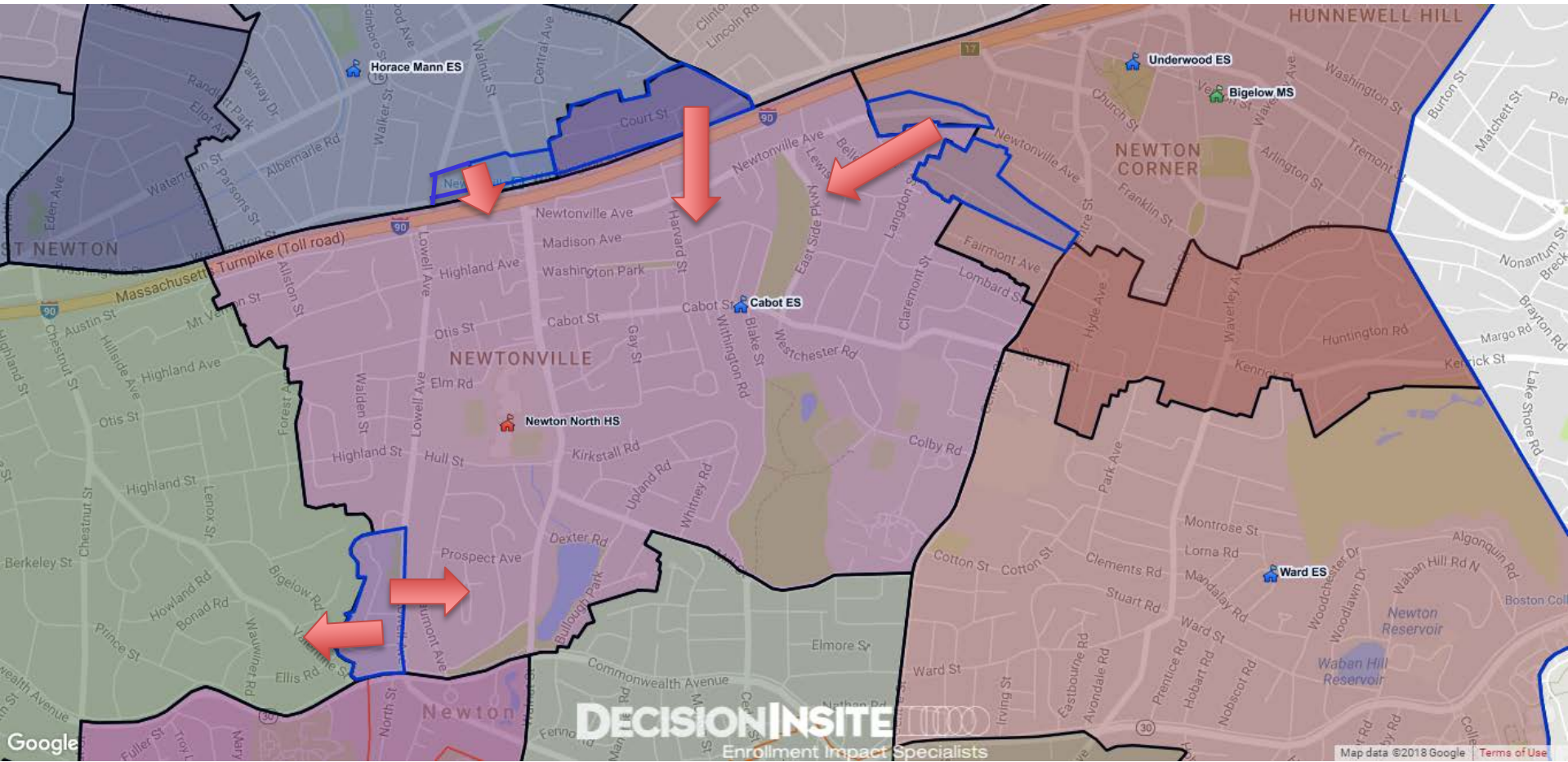
Day from 93% to 95%

Nevada to Bridge: Bigelow district to Day district

Central Ave. / Prescott area: No change (stay Day)

Scenario C

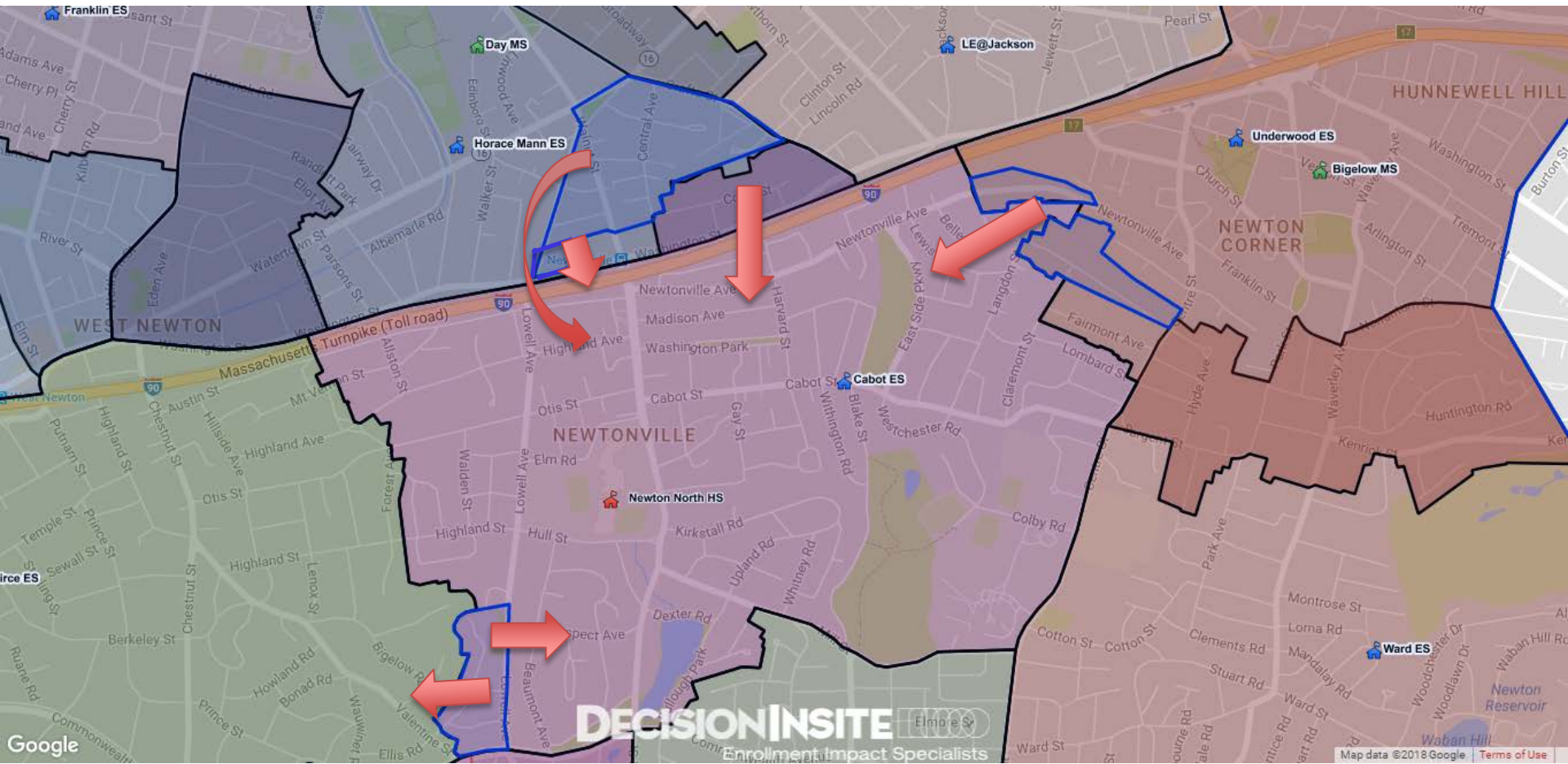
Cabot and Schools with Shared Boundaries(C.1)



Future Enrollment Movement

Scenario C

Cabot and Schools with Shared Boundaries(C.2)



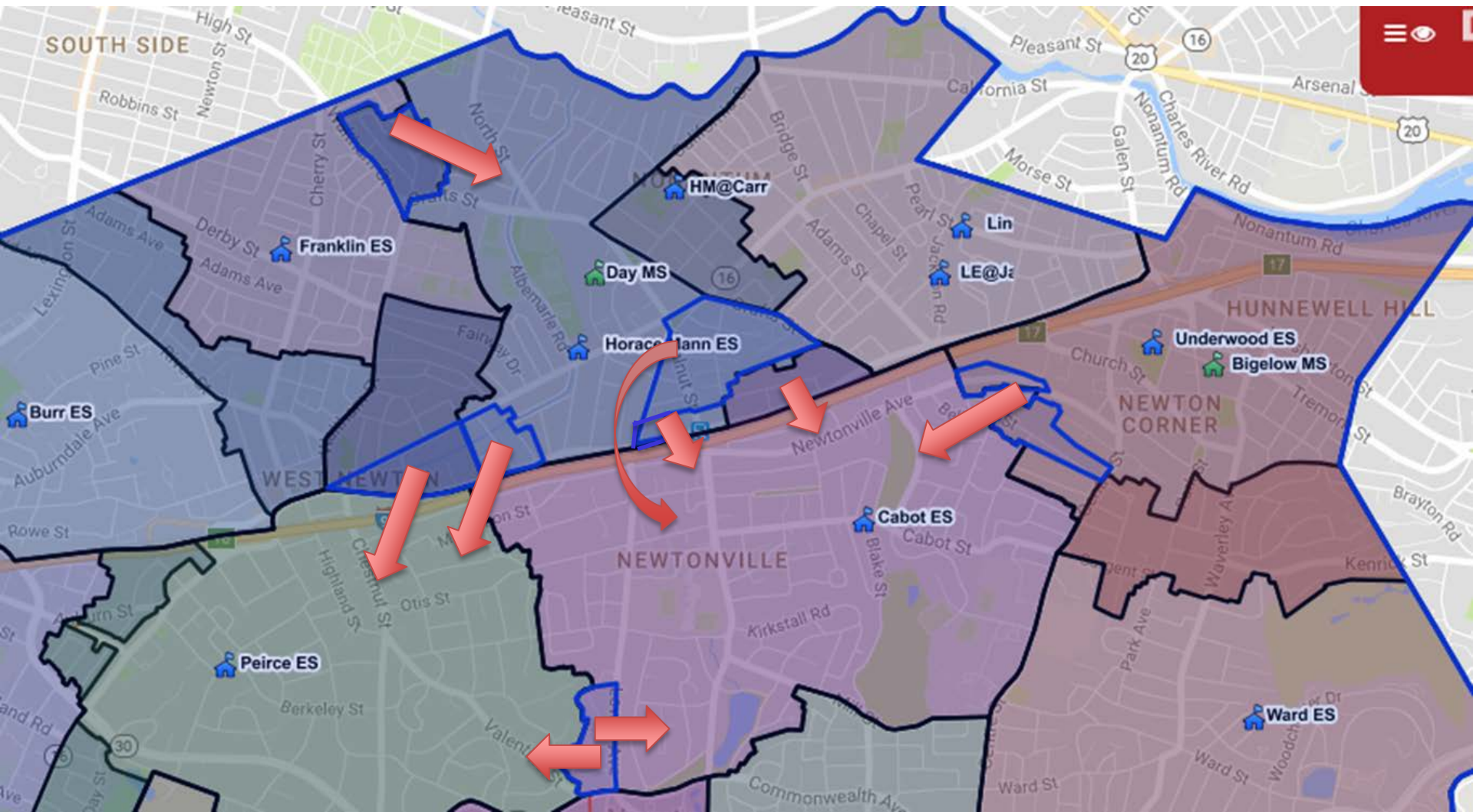
Future Enrollment Movement

Results / Input for Scenario C: Cabot and Schools with Shared Boundaries

	Scenario C.1		Scenario C.2
+	New Cabot at 88% capacity	+	New Cabot at 90% capacity
-	Underwood capacity from 81% to 74%	-	Underwood capacity from 81% to 74%
-	Peirce stays at 78% capacity	-	Peirce stays at 78% capacity
+	Horace Mann from 122% to 96%	+	Horace Mann from 122% to 96%
+	Mason-Rice from 116% to 95%	+	Mason-Rice from 116% to 95%
-	Cabot would require second bus	-	Cabot would require second bus

Scenario G.1

Use Cabot Capacity and balance Franklin and Peirce



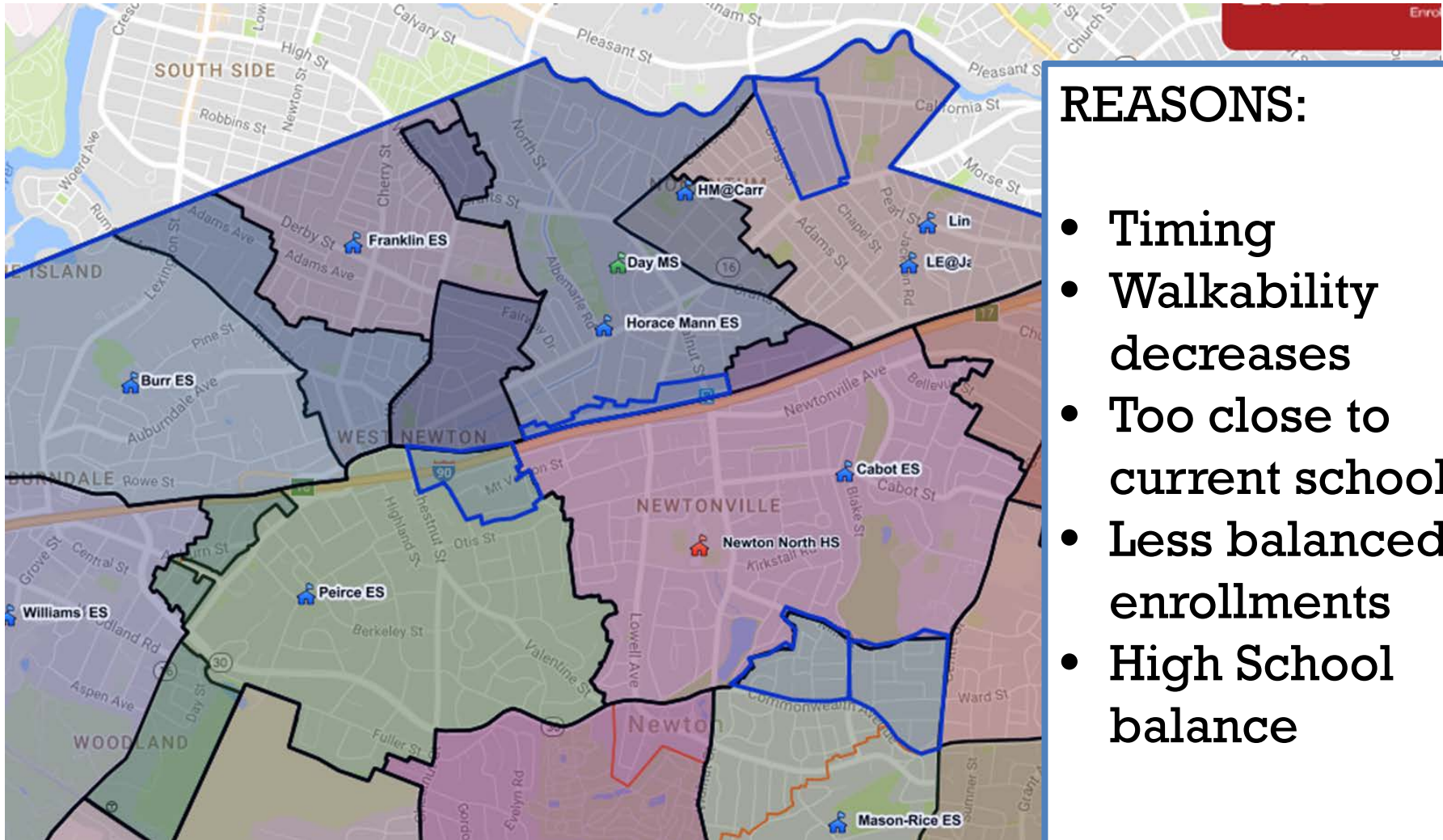
Future Enrollment Movement

Results / Input for Scenario G:

Use Cabot Capacity and balance Franklin and Peirce

	Scenario G.1
+	New Cabot at 93% capacity
-	Underwood capacity from 81% to 74%
+	Peirce at 90% capacity
+	Franklin at from 104% to 97% capacity
-	Cabot would require second bus
-	Peirce district would require additional bus stops
+	Horace Mann at 85% Capacity / Works with Scenario A

Explored and 'Parked'



REASONS:

- Timing
- Walkability decreases
- Too close to current school
- Less balanced enrollments
- High School balance

Continuing Exploration

- A version of Scenario A that impacts fewer students
- A version of Scenario C that adds western Horace Mann district to Cabot
- Other combined scenarios...
- Underwood / Ward balance
- Burr / Franklin balance
- Middle School Districts and Feeding Patterns

Summary

- ① Preliminary scenarios offer promising options

- ② Great input has been forthcoming
 - Working Group
 - Extended Working Group
 - NPS Transportation

Community Engagement

- Superintendent January letter to potentially impacted schools
 - Horace Mann, Lincoln-Eliot, Underwood, Ward, Mason-Rice, Peirce, Franklin, Burr
- 55 people responded to invitation for email updates prior to all meetings
- SAWG [web site](#) updated regularly

[Our District/District Initiatives/Expanding Capacity/Student Assignment]

Please Stay Informed

Public sign up for updates:

SAWG@newton.k12.ma.us

Contact:

Margaret_Albright@newton.k12.ma.us

Diana_FisherGomberg@newton.k12.ma.us

2017-18 Timeline

2017-18 Activities	Timing
Review and test scenarios	Sep 2017 – Feb 2018
Stakeholder input	January – June 2018
Initial scenarios & Public Comment	February 2018
Refine scenarios	Feb – May 2018
Final scenarios & Public Comment	May 2018
Recommendation & Public Comment	June 2018
Outreach to residents	Summer/Fall 2018
Final discussion and vote	Sept - October 2018
Full implementation	September 2019

Next Scheduled Updates

School Committee on March 5, 2018

School Committee on April 25, 2018

School Committee on June 18, 2018