

Greenwich Public Schools - Bell Time Changes  
Transportation Impact Analysis - Summary of Options

<i>Daily Runs per Bus:</i>	<b>Baseline (Opt. 8)</b>		<b>Option 1</b>		<b>Option 2</b>		<b>Option 3</b>		<b>Option 4</b>		<b>Option 5</b>		<b>Option 6</b>		<b>Option 7</b>		<b>Option 9</b>		<b>Option 10</b>		<b>Option 11</b>	
1	2		18		0		0		9		11		3		6		0		5		2	
2	6		0		18		48		18		7		17		10		36		20		18	
3	13		6		4		6		13		37		11		16		13		25		27	
4	38		31		48		19		39		26		25		9		31		30		29	
5	5		16		1		10		0		0		14		26		1		0		1	
6	1		0		0		0		0		0		0		0		0		0		0	
<i>Average Runs per Bus</i>	3.64		3.38		3.43		2.89		3.04		2.96		3.43		3.58		2.96		3.00		3.17	
<i>Total Buses</i>	65		71		70		83		79		81		70		67		81		80		77	
<i>Bus Change %</i>			9.2%		7.7%		27.7%		21.5%		24.6%		7.7%		3.1%		24.6%		23.1%		18.5%	
<i>Cost Change Estimate</i>			540,000		450,000		1,620,000		1,260,000		1,440,000		450,000		180,000		1,440,000		1,350,000		1,080,000	
<i>Bell Times</i>																						
High School	7:30	2:15	8:15	3:00	8:45	3:30	8:00	2:45	8:00	2:45	8:30	3:15	8:30	3:15	8:45	3:30	8:15	3:00	8:30	3:15	8:30	3:15
Middle Schools	7:45	2:35	7:45	2:35	7:45	2:35	8:15	3:05	8:15	3:05	8:45	3:35	8:45	3:35	9:30	4:20	7:45	2:35	8:00	2:50	7:45	2:35
Early Elementary Schools	8:15	2:45	7:30	2:00	7:30	2:00	8:45	3:15	9:15	3:45	9:15	3:45	9:45	4:15	8:00	2:30	9:00	3:30	9:00	3:30	9:00	3:30
Late Elementary Schools	8:45	3:15																				
Independent Schools	<i>Unchanged</i>																					
<i>High School Change</i>			0:45		1:15		0:30		0:30		1:00		1:00		1:15		0:45		1:00		1:00	

Assumptions & Comments:

- 1 All existing bus runs remain intact in all scenarios.
- 2 Bus runs were linked into new bus routes based to eliminate run time conflicts and to utilize available deadhead/ layover slack time.
- 3 Special needs runs were deliberately left out of the analysis, assuming they will conform to any new bell schedule.
- 4 All private school bell times were left unchanged in all scenarios.
- 5 Private school shuttles have not been addressed in these scenarios.
- 6 Other key constraints include:
  - Avoid civil twilight violations; and
  - Keep all instructional day lengths intact.