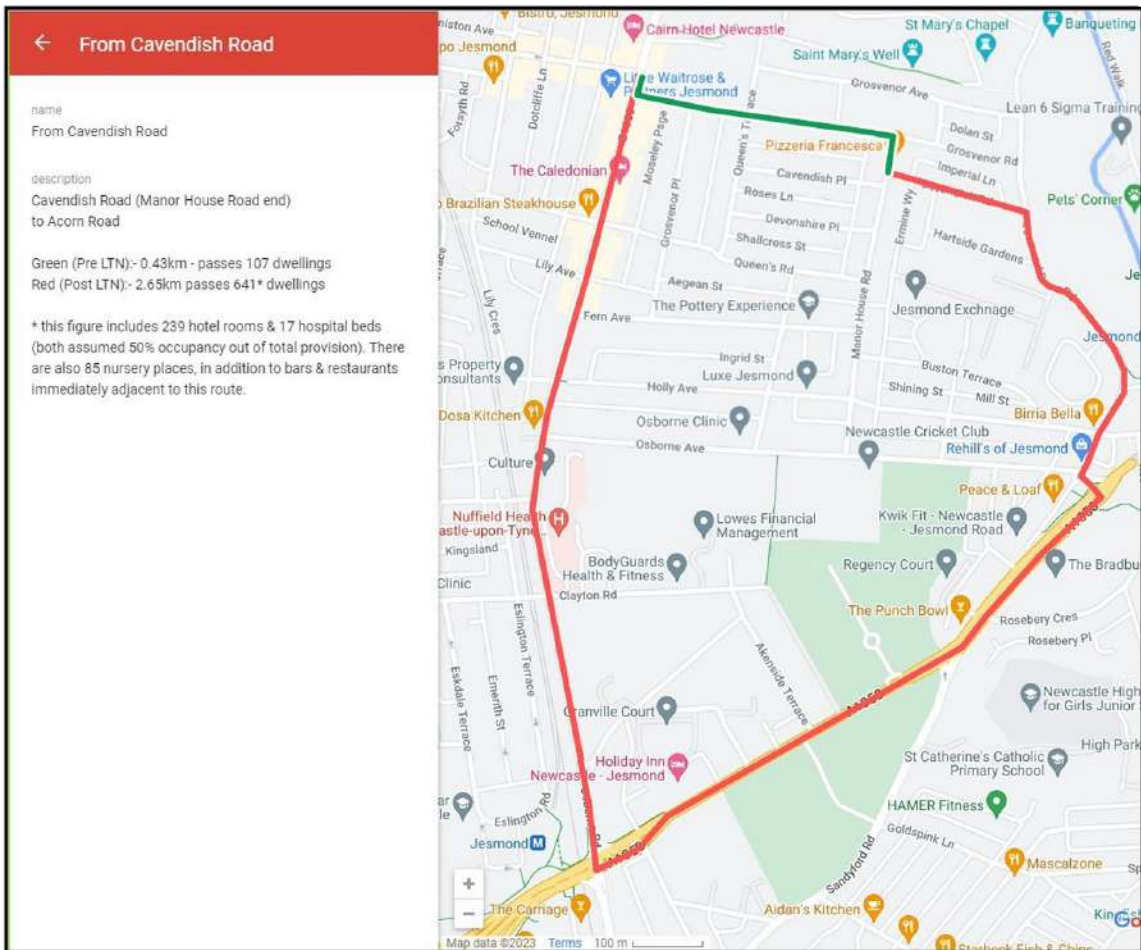


Journey time and distance analysis Route 1							
<b>Shortridge Terrace (Manor House Road end) to Acorn Road</b>							
<b>Pre LTN</b>							
travelling via		Manor House Road, Queens Road, Grosvenor Place, Grosvenor Road, Osborne Road					
<b>Pre LTN journey distance (metres)</b>		<b>740</b>					
<b>Post LTN</b>							
travelling via		Shortridge Terrace, Jesmond Road, Osborne Road					
<b>Post LTN journey distance (metres)</b>		<b>2370</b>					
	<b>Average journey speed (mph)</b>	<b>Driving time</b>	<b>Delay time</b>	<b>Post LTN journey time</b>	<b>Pre LTN journey time</b>	<b>Increase</b>	
14	Max	3.9	2.0	6	1	430%	
15	20	4.4	2.0	6	1	465%	
16	18	4.9	2.0	7	2	451%	
17	16	5.5	2.0	8	2	436%	
18	14	6.3	2.0	8	2	422%	
19	12	7.4	2.0	9	2	407%	
20	10	8.8	2.0	11	3	393%	
21	8	11.0	2.0	13	3	378%	
22	6	14.7	2.0	17	5	364%	
23	4	22.1	2.0	24	7	349%	
24	2	44.2	2.0	46	14	335%	
25	1	88.4	2.0	90	28	328%	

- Notes:
- IMPORTANT:** Acorn Road and the Cradlewell traffic lights have been used as end points as they are located at the extremes of the two boundary roads. These are NOT destinations but points through which a much longer journey might reasonably be expected to pass.
  - All times shown are in minutes
  - 'Max' is the maximum legal speed at which the journey can be made. The 30mph speed limit is only available on Jesmond Road. All other roads are 20mph.
  - Delay time is that caused by the traffic lights and light controlled pedestrian crossings on each route. Traffic light sequences have been taken as being an average of 30 seconds per set. At peak times these timings may be significantly longer. It has been assumed that 50% of the lights will be at Green.

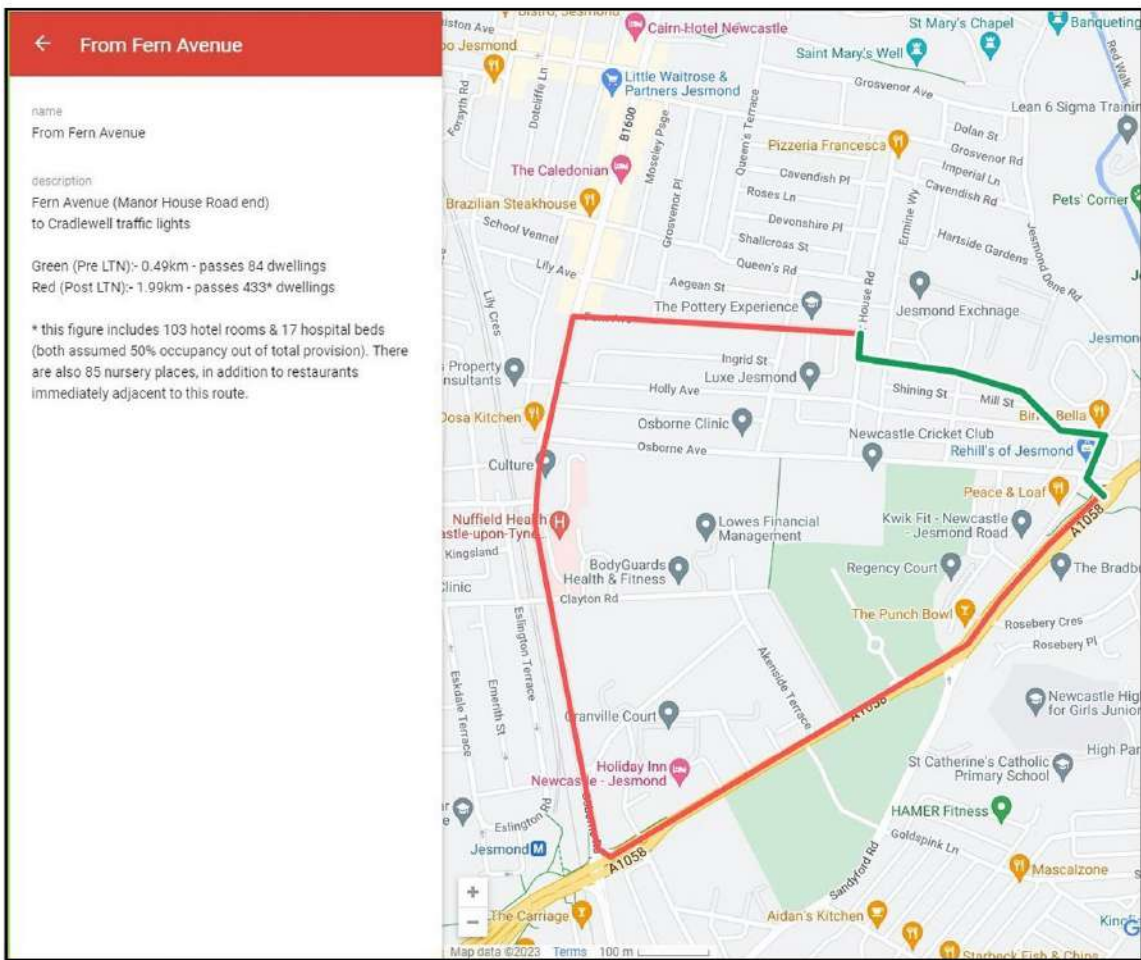


Journey time and distance analysis Route 2							
Cavendish Road (Manor House Road end) to Acorn Road							
Pre LTN							
travelling via		Manor House Road, Grosvenor Road, Osborne Road					
Pre LTN journey distance (metres)		430					
Post LTN							
travelling via		Cavendish Road, Jesmond Dene Road, Jesmond Road, Osborne Road					
Post LTN journey distance (metres)		2650					
Average journey speed (mph)	Driving time	Delay time	Post LTN journey time	Pre LTN journey time	Increase		
Max	4.5	2.0	6	1	805%		
20	4.9	2.0	7	1	866%		
18	5.5	2.0	7	1	841%		
16	6.2	2.0	8	1	816%		
14	7.1	2.0	9	1	791%		
12	8.2	2.0	10	1	766%		
10	9.9	2.0	12	2	741%		
8	12.3	2.0	14	2	716%		
6	16.5	2.0	18	3	691%		
4	24.7	2.0	27	4	666%		
2	49.4	2.0	51	8	641%		
1	98.8	2.0	101	16	629%		

Speed (mph)	Journey time (minutes)
MAX	6
20	7
18	7
16	8
14	9
12	10
10	12
8	14
6	18
4	27
2	51
1	101

- Notes:
- 1) **IMPORTANT:** Acorn Road and the Cradlewell traffic lights have been used as end points as they are located at the extremes of the two boundary roads. These are NOT destinations but points through which a much longer journey might reasonably be expected to pass.
  - 2) All times shown are in minutes
  - 3) 'Max' is the maximum legal speed at which the journey can be made. The 30mph speed limit is only available on Jesmond Road. All other roads are 20mph.
  - 4) Delay time is that caused by the traffic lights and light controlled pedestrian crossings on each route. Traffic light sequences have been taken as being an average of 30 seconds per set. At peak times these timings may be significantly longer. It has been assumed that 50% of the lights will be at Green.

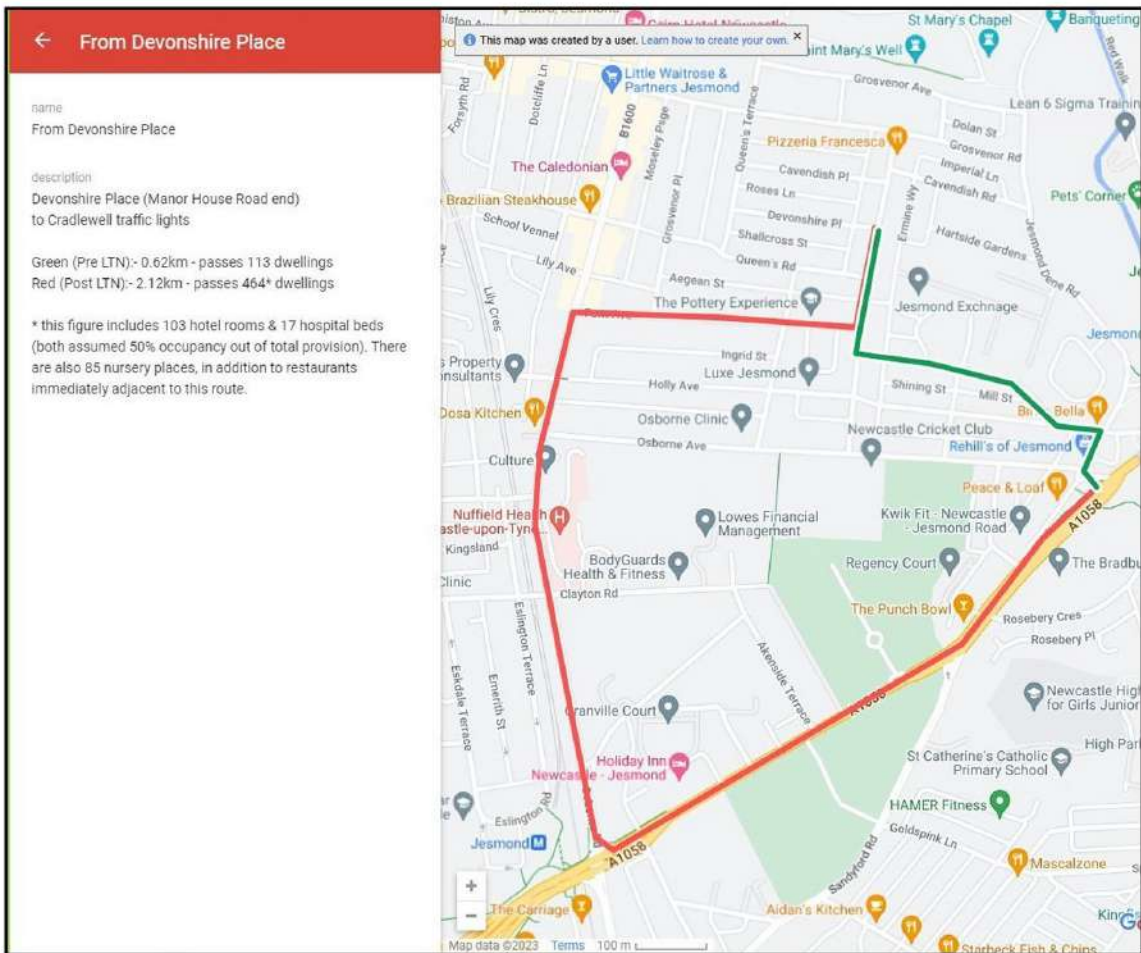


Journey time and distance analysis Route 3							
Fern Avenue (Manor House Road end) to Cradlewell traffic lights							
Pre LTN							
travelling via		Manor House Road, Buston Terrace, Shortridge Terrace, Jesmond Road					
Pre LTN journey distance (metres)		490					
Post LTN							
travelling via		Fern Avenue, Osborne Road, Jesmond Road					
Post LTN journey distance (metres)		1990					
Average journey speed (mph)	Driving time	Delay time	Post LTN journey time	Pre LTN journey time	Increase		
Max	3.2	1.8	5	1	545%		
20	3.7	1.8	6	1	598%		
18	4.1	1.8	6	1	579%		
16	4.6	1.8	6	1	559%		
14	5.3	1.8	7	1	540%		
12	6.2	1.8	8	2	521%		
10	7.4	1.8	9	2	502%		
8	9.3	1.8	11	2	483%		
6	12.4	1.8	14	3	464%		
4	18.5	1.8	20	5	444%		
2	37.1	1.8	39	9	425%		
1	74.2	1.8	76	18	416%		

**Post LTN journey times**

- Notes:
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  - 2) All times shown are in minutes
  - 3) 'Max' is the maximum legal speed at which the journey can be made. The 30mph speed limit is only available on Jesmond Road. All other roads are 20mph.
  - 4) Delay time is that caused by the traffic lights and light controlled pedestrian crossings on each route. Traffic light sequences have been taken as being an average of 30 seconds per set. At peak times these timings may be significantly longer. It has been assumed that 50% of the lights will be at Green.



Journey time and distance analysis Route 4							
<b>Devonshire Place (Manor House Road end) to Cradlewell traffic lights</b>							
<b>Pre LTN</b>							
travelling via		Manor House Road, Buston Terrace, Shortridge Terrace, Jesmond Road					
<b>Pre LTN journey distance (metres)</b>		<b>630</b>					
<b>Post LTN</b>							
travelling via		Manor House Road, Fern Avenue, Osborne Road, Jesmond Road					
<b>Post LTN journey distance (metres)</b>		<b>2120</b>					
	<b>Average journey speed (mph)</b>	<b>Driving time</b>	<b>Delay time</b>	<b>Post LTN journey time</b>	<b>Pre LTN journey time</b>	<b>Increase</b>	
14	Max	3.5	1.8	5	1	444%	
15	20	4.0	1.8	6	1	486%	
16	18	4.4	1.8	6	1	471%	
17	16	4.9	1.8	7	1	456%	
18	14	5.6	1.8	7	2	441%	
19	12	6.6	1.8	8	2	426%	
20	10	7.9	1.8	10	2	411%	
21	8	9.9	1.8	12	3	396%	
22	6	13.2	1.8	15	4	381%	
23	4	19.8	1.8	22	6	366%	
24	2	39.5	1.8	41	12	351%	
25	1	79.0	1.8	81	23	344%	

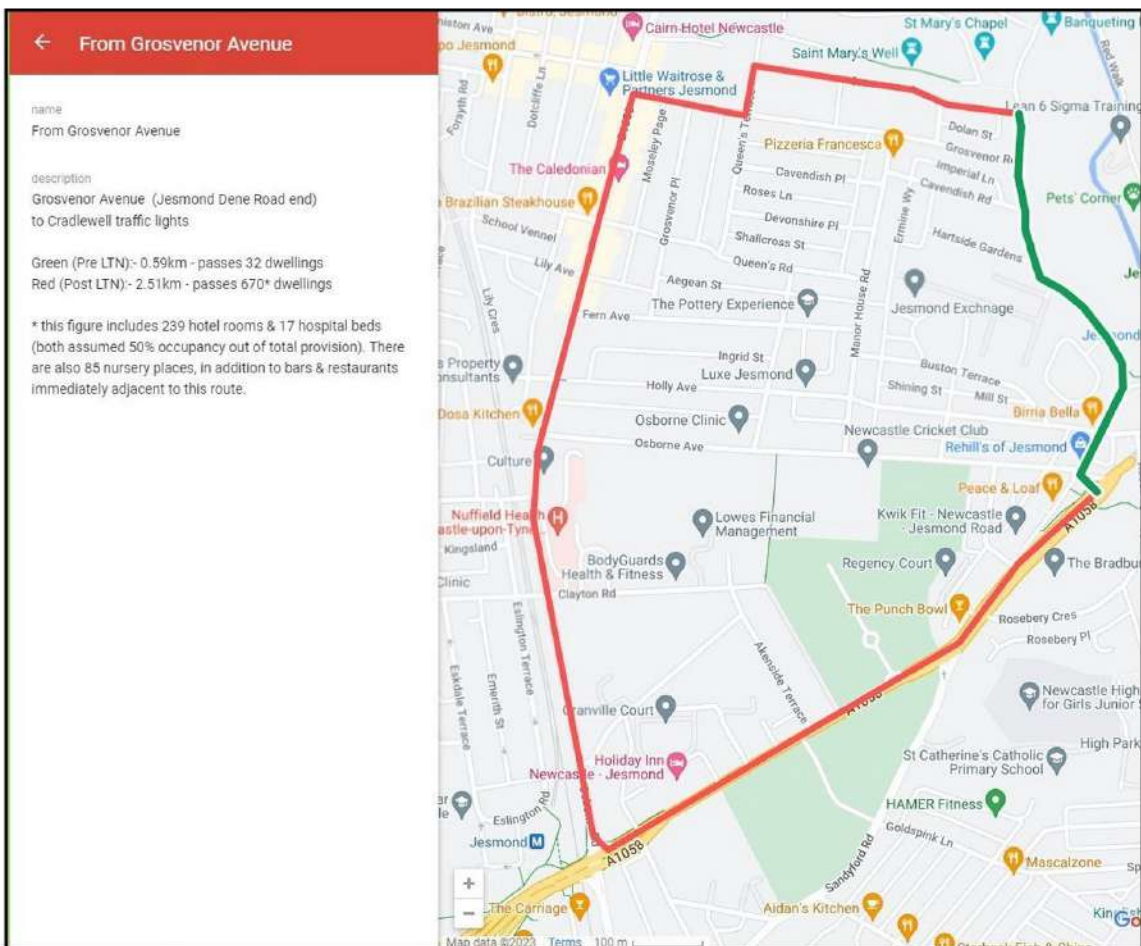
  

### Post LTN journey times

Speed (mph)	Journey Time (minutes)
MAX	5
20	6
18	6
16	7
14	7
12	8
10	10
8	12
6	15
4	22
2	41
1	81

**Notes:**

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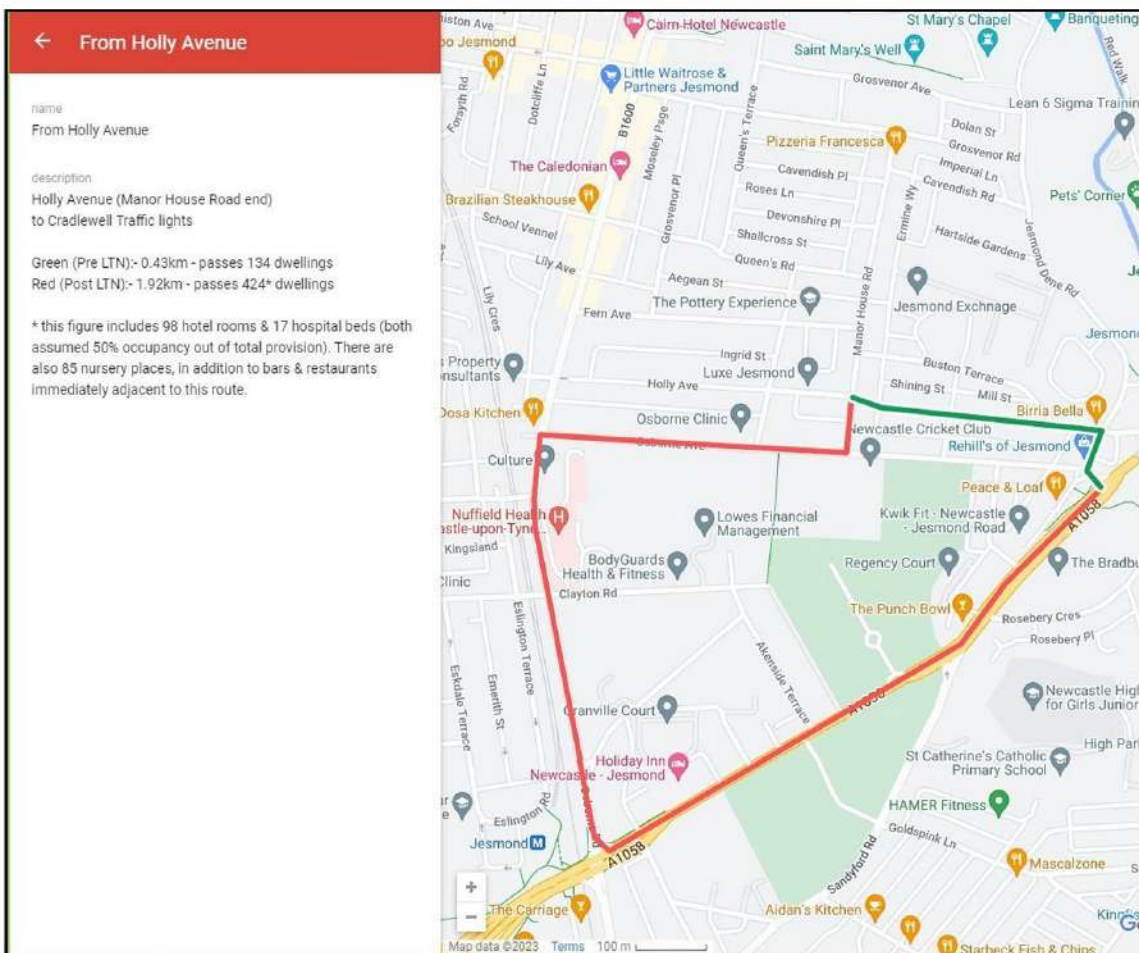


Journey time and distance analysis Route 5						
Grosvenor Avenue (Jesmond Dene Road end) to Cradlewell traffic lights						
Pre LTN						
travelling via		Jesmond Dene Road, Jesmond Road				
Pre LTN journey distance (metres)		590				
Post LTN						
travelling via		Grosvenor Avenue, Queens Terrace, Grosvenor Road, Osborne Road, Jesmond Road				
Post LTN journey distance (metres)		2518				
Average journey speed (mph)	Driving time	Delay time	Post LTN journey time	Pre LTN journey time	Increase	
Max	4.2	2.0	6	1	563%	
20	4.7	2.0	7	1	607%	
18	5.2	2.0	7	1	589%	
16	5.8	2.0	8	1	571%	
14	6.7	2.0	9	2	553%	
12	7.8	2.0	10	2	535%	
10	9.4	2.0	11	2	516%	
8	11.7	2.0	14	3	498%	
6	15.6	2.0	18	4	480%	
4	23.4	2.0	25	5	462%	
2	46.8	2.0	49	11	444%	
1	93.6	2.0	96	22	435%	

**Post LTN journey times**

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  - 2) All times shown are in minutes
  - 3) 'Max' is the maximum legal speed at which the journey can be made. The 30mph speed limit is only available on Jesmond Road. All other roads are 20mph.
  - 4) Delay time is that caused by the traffic lights and light controlled pedestrian crossings on each route. Traffic light sequences have been taken as being an average of 30 seconds per set. At peak times these timings may be significantly longer. It has been assumed that 50% of the lights will be at Green.



Journey time and distance analysis Route 6							
Holly Avenue (Manor House Road end) to Cradlewell traffic lights							
Pre LTN		travelling via Shortridge Terrace, Jesmond Road					
Pre LTN journey distance (metres)		430					
Post LTN		travelling via Manor House Road, Osborne Avenue, Osborne Road, Jesmond Road					
Post LTN journey distance (metres)		1920					
Average journey speed (mph)	Driving time	Delay time	Post LTN journey time	Pre LTN journey time	Increase		
Max	3.1	1.5	5	1	573%		
20	3.6	1.5	5	1	634%		
18	4.0	1.5	5	1	615%		
16	4.5	1.5	6	1	596%		
14	5.1	1.5	7	1	578%		
12	6.0	1.5	7	1	559%		
10	7.2	1.5	9	2	540%		
8	8.9	1.5	10	2	521%		
6	11.9	1.5	13	3	503%		
4	17.9	1.5	19	4	484%		
2	35.8	1.5	37	8	465%		
1	71.6	1.5	73	16	456%		

**Post LTN journey times**

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  - 2) All times shown are in minutes
  - 3) 'Max' is the maximum legal speed at which the journey can be made. The 30mph speed limit is only available on Jesmond Road. All other roads are 20mph.
  - 4) Delay time is that caused by the traffic lights and light controlled pedestrian crossings on each route. Traffic light sequences have been taken as being an average of 30 seconds per set. At peak times these timings may be significantly longer. It has been assumed that 50% of the lights will be at Green.