

**Newgate Lane VISSIM Comparison
Delay Results**

AM Peak					Base		Future Base		Future Base + Development (75 Units)		Option 3 (75 Units)		Future Base + Development (115 Units)		Option 3 (115 Units)		Future Base + Development (190 Units)		Option 3 (190 Units)	
Movement	Link	Node	Link		Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)
NBL	5	1	12	5_1_12	22	2.506	23	2.691	26	2.826	26	2.722	27	2.927	27	2.844	31	2.979	31	3.049
NBT	5	1	5	5_1_5	1,605	3.571	1,640	4.122	1,642	4.121	1,642	4.152	1,639	4.266	1,639	4.258	1,640	4.422	1,640	4.326
SBT	10	1	10	10_1_10	884	1.480	675	1.296	675	1.346	676	1.199	675	1.391	675	1.204	675	1.507	675	1.219
SBR	11	1	12	11_1_12	35	36.239	21	37.815	29	43.508	29	44.546	33	49.157	33	49.511	41	58.412	41	57.250
EBR	13	1	10	13_1_10	24	51.250	26	48.931	48	69.464	48	68.476	61	98.045	61	83.649	85	160.538	85	136.983
EBL	13	1	5	13_1_5	33	27.873	25	31.325	35	40.598	35	41.153	40	56.433	40	48.021	49	112.317	49	91.855
Overall		1		_1_	2,602	4.022	2,410	4.385	2,455	5.602	2,455	5.570	2,475	7.236	2,475	6.698	2,520	11.942	2,521	10.632

PM Peak					Base		Future Base		Future Base + Development (75 Units)		Option 3 (75 Units)		Future Base + Development (115 Units)		Option 3 (115 Units)		Future Base + Development (190 Units)		Option 3 (190 Units)	
Movement	Link	Node	Link		Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)	Vehicles	Avg Delay (s)
NBL	5	1	12	5_1_12	15	1.421	23	1.508	43	1.634	43	1.639	53	1.751	53	1.750	70	1.958	70	1.956
NBT	5	1	5	5_1_5	940	1.825	930	1.916	929	2.132	929	2.136	926	2.271	926	2.272	926	2.482	926	2.484
SBT	10	1	10	10_1_10	1,628	3.211	976	1.567	975	1.588	975	1.354	975	1.580	975	1.366	975	1.689	976	1.378
SBR	11	1	12	11_1_12	30	6.932	20	4.848	33	5.403	33	5.216	39	6.097	39	6.029	49	6.952	49	7.059
EBR	13	1	10	13_1_10	22	23.902	28	8.332	34	9.138	34	8.816	39	9.530	39	9.275	46	11.262	45	10.618
EBL	13	1	5	13_1_5	27	3.205	32	3.591	43	3.950	43	3.850	49	4.161	49	4.075	60	4.581	60	4.456
Overall		1		_1_	2,661	2.922	2,010	1.889	2,056	2.071	2,056	1.952	2,082	2.186	2,081	2.078	2,128	2.450	2,128	2.294

Average Delay per Approach, AM Peak

Movement	Base	Future Base	Future Base + 75 Units	Option 3 (75 Units)	Future Base + 115 Units	Option 3 (115 Units)	Future Base + 190 Units	Future Base + 190 Units
NBL	3.557	4.102	4.101	4.129	4.245	4.235	4.396	4.302
NBT								
SBT	2.804	2.398	3.083	2.982	3.618	3.456	4.766	4.428
SBR								
EBR	37.716	40.301	57.291	56.955	81.565	69.539	142.905	120.481
EBL								
Overall	4.022	4.385	5.602	5.570	7.236	6.698	11.942	10.632
Average Delay per Approach, PM Peak								
Movement	Base	Future Base	Future Base + 75 Units	Option 3 (75 Units)	Future Base + 115 Units	Option 3 (115 Units)	Future Base + 190 Units	Future Base + 190 Units
NBL	1.819	1.907	2.109	2.114	2.243	2.244	2.445	2.447
NBT								
SBT	3.278	1.633	1.713	1.481	1.754	1.545	1.941	1.649
SBR								
EBR	12.497	5.804	6.241	6.043	6.541	6.380	7.480	7.097
EBL								
Overall	2.922	1.889	2.071	1.952	2.186	2.078	2.450	2.294