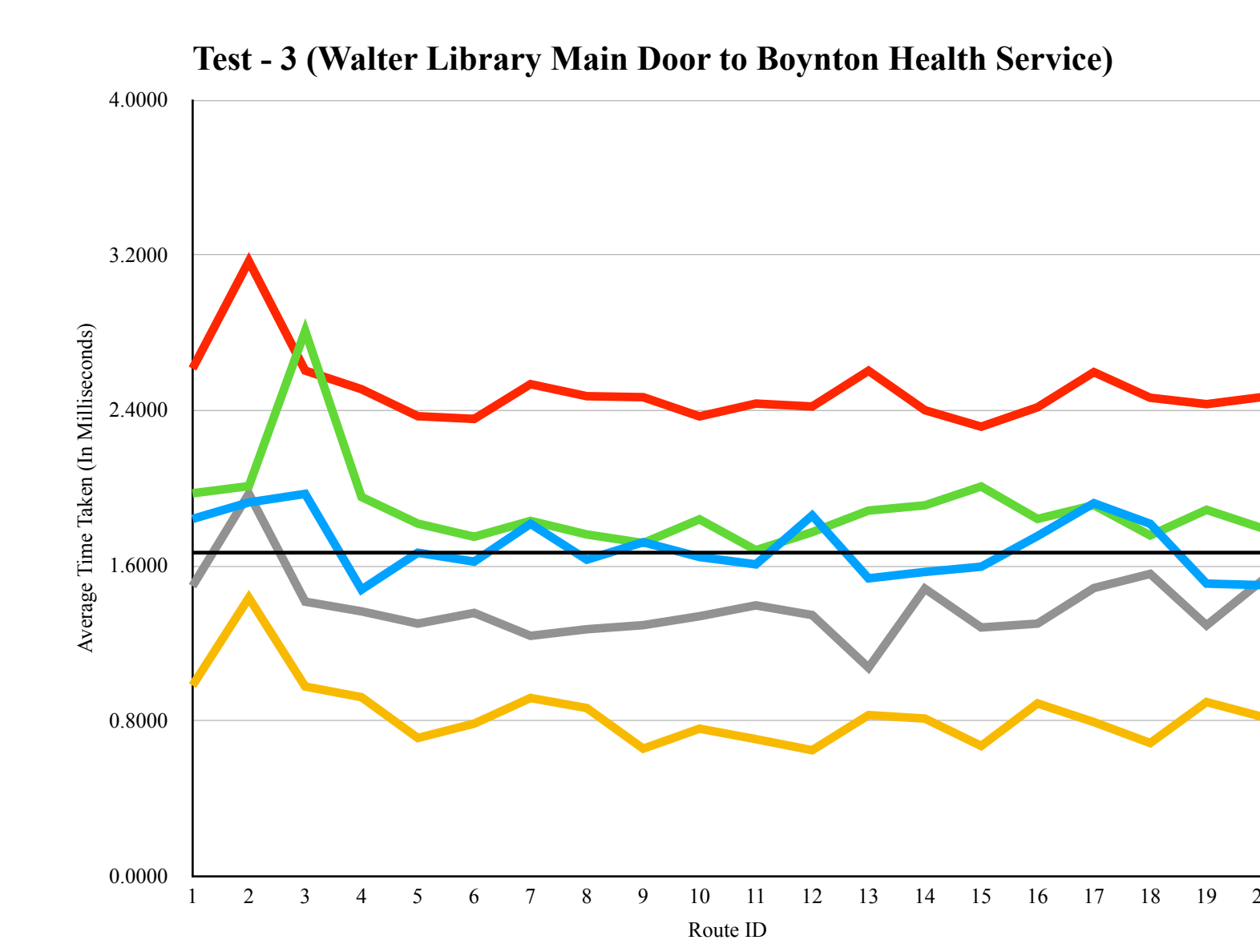
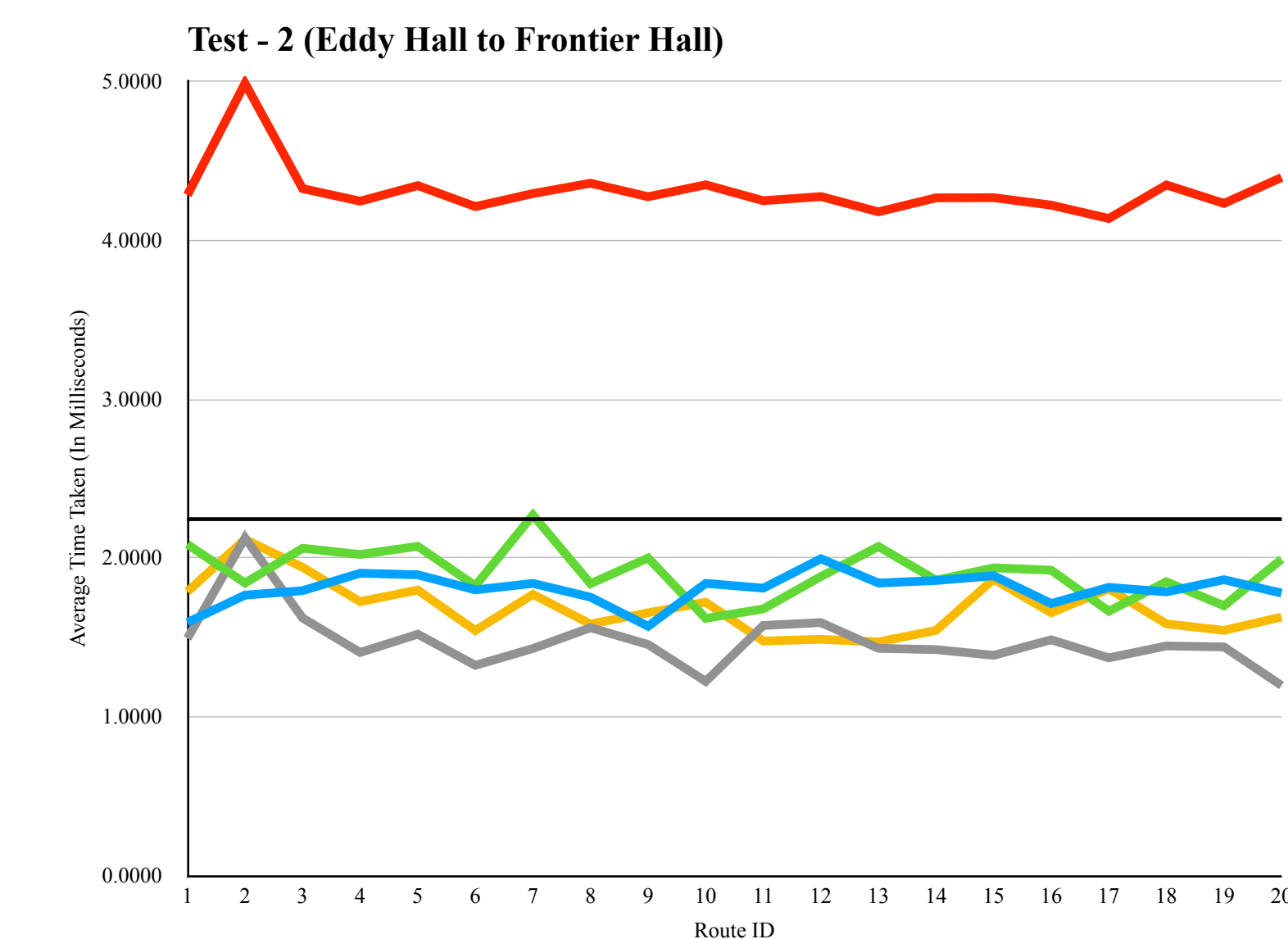
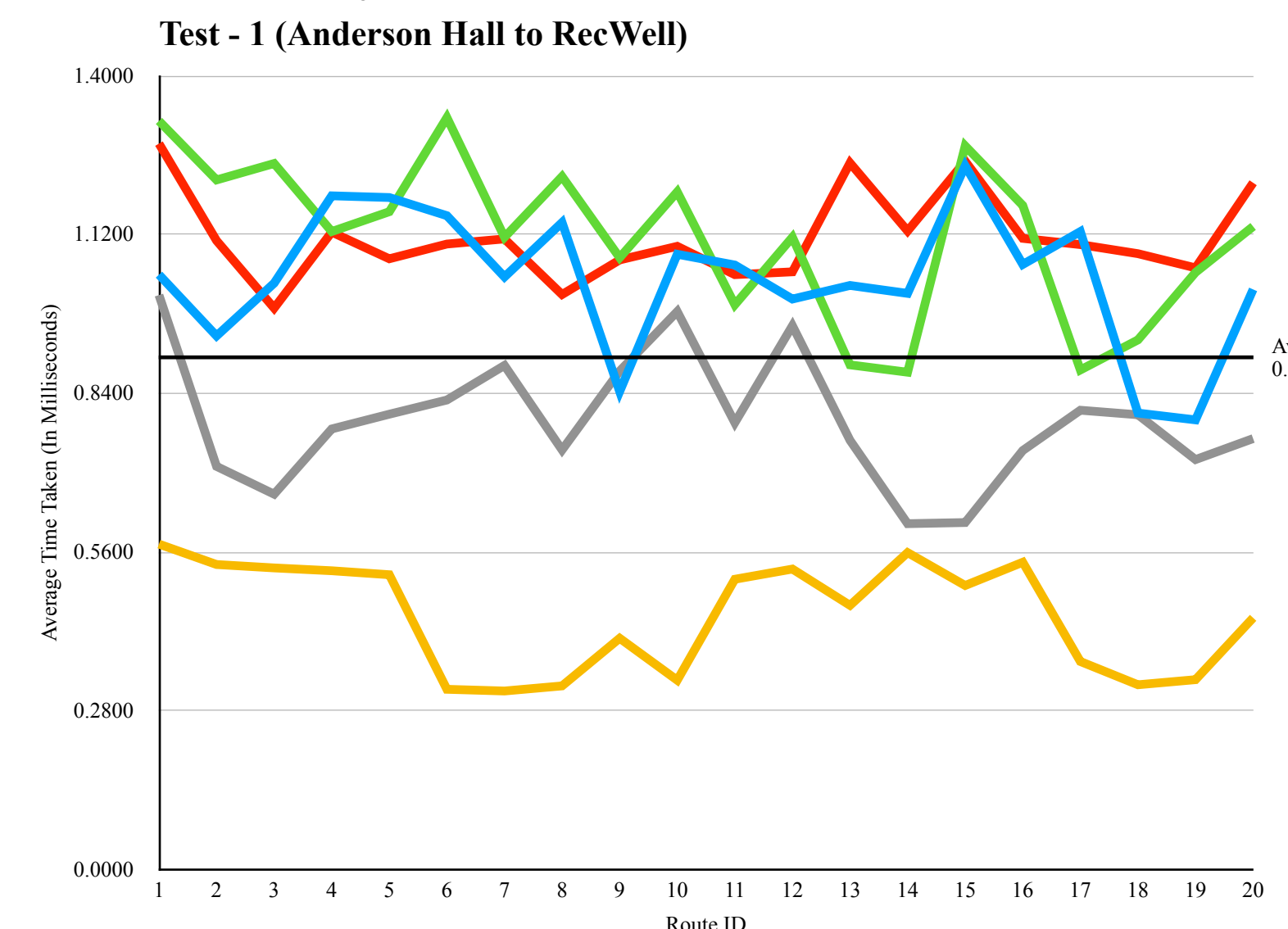


A* w Manhattan					
Result ID	Start	Destination	Average Time Taken (in milliseconds)	Average Memory Used (in Bytes)	Distance Traveled (in Kilometers)
1	Anderson Hall	University Recreation and Wellness Center	1.8490	570720.838709678	1.1913
2			0.94100	557917.232529412	
3			1.8140	553285.462640657	
4			1.1890	580122.231840501	
5			1.1850	557255.432835821	
6			1.1530	557994.298507463	
7			1.0450	557423	
8			1.1410	557307.852941177	
9			0.84300	557664.671184291	
10			1.0450	558233.208682353	
11			1.0660	558472.865671642	
12			1.0600	557872.333333333	
13			1.0300	556801.552218006	
14			1.0160	558089.732529413	
15			1.2410	581795.626060606	
16			1.0620	558176.83528096	
17			1.1250	557931.848484849	
18			0.83000	558666.964705882	
19			0.79300	558125.46265591	
20			1.8230	558261.893471021	
Total			20.4564	11172521.3907321	
Average			1.0418	558616.069786605	

A* w Manhattan-1					
Result ID	Start	Destination	Average Time Taken (in milliseconds)	Average Memory Used (in Bytes)	Distance Traveled (in Kilometers)
1	Eddy Hall	Frontier Hall	1.2950	1038476.57471264	1.6195
2			1.7070	1007962.63636364	
3			1.7900	1014382.99770115	
4			1.8600	1016056.88665517	
5			1.0950	1013138.25287356	
6			1.8430	1004575.72349909	
7			1.7540	1012996.66666667	
8			1.5710	1014451.47136457	
9			1.8390	898485.170717107	
10			1.8410	1014579.72415795	
11			1.8110	1014620.96551724	
12			1.9960	974655.761904762	
13			1.8430	977904.137931034	
14			1.8390	976359.754283965	
15			1.8890	1015662.2627946	
16			1.7140	1015586.70054545	
17			1.8140	1014639.72727273	
18			1.7870	1014796.25	
19			1.8640	1014107.31818382	
20			1.7800	1013622.88507747	
Total			36.2236	20104263.9289399	
Average			1.8062	1008413.126247	

A* w Manhattan-2					
Result ID	Start	Destination	Average Time Taken (in milliseconds)	Average Memory Used (in Bytes)	Distance Traveled (in Kilometers)
1	Walter Library (main door)	Boynton Health Service	1.8410	839520.15625	0.50003
2			1.9260	993616.490090909	
3			1.9700	958226.763957447	
4			1.4770	1014846.99666667	
5			1.4670	1015596.36636364	
6			1.6210	1014344.43977012	
7			1.8160	1015179.27272727	
8			1.6310	1014603.54545455	
9			1.7210	1015526.72415795	
10			1.6450	1015625.31818182	
11			1.6070	1014975.25	
12			1.4390	1015871.79103454	
13			1.5250	1015566.76545455	
14			1.5680	1015762.84909090	
15			1.3950	1014052.2288306	
16			1.7530	1017229.95402299	
17			1.9220	813248.666666667	
18			1.8160	1014970.025	
19			1.5880	1016784.31818382	
20			1.5000	1016292.04597701	
Total			33.9780	19872940.7728919	
Average			1.6989	993647.038644935	

— A* w Manhattan
— A* w Haversine
— Breadth-First Search
— Bidirectional Search
— Dijkstra



A* w Haversine					
Result ID	Start	Destination	Average Time Taken (in milliseconds)	Average Memory Used (in Bytes)	Distance Traveled (in Kilometers)
1	Anderson Hall	University Recreation and Wellness Center	1.2300	8618613.891384348	1.1913
2			1.2140	625172.328767123	
3			1.2450	583455.265882353	
4			1.2320	626328.635280906	
5			1.1600	582120.466464647	
6			1.3260	587750.25	
7			1.1150	590347.694642566	
8			1.2220	590800.521739151	
9			1.0790	590964.408602151	
10			1.1950	591458.258064516	
11			0.96600	589666.009595622	
12			1.1150	592012.23650914	
13			0.89600	591106.752280645	
14			0.87700	591031.741935484	
15			1.2760	589473.010752688	
16			1.1710	588989.913043478	
17			0.81000	587350.635294118	
18			0.93400	592493.032250605	
19			1.0600	591304.62605914	
20			1.1340	591277.97526087	
Total			22.3300	1189119.6174263	
Average			1.1165	594555.908073115	

A* w Haversine-1					
Result ID	Start	Destination	Average Time Taken (in milliseconds)	Average Memory Used (in Bytes)	Distance Traveled (in Kilometers)
1	Eddy Hall	Frontier Hall	2.0870	1054962.82759621	1.6195
2			1.8430	965867.59009091	
3			2.0620	95626.102564103	
4			2.0250	995049.794871795	
5			2.0740	1014796.36666667	
6			1.8390	1014052.87272723	
7			2.2710	967120.86231579	
8			1.8390	898485.170717107	
9			2.0010	1015473.78666667	
10			1.6210	1015395.6991954	
11			1.6800	1013622.8876962	
12			1.8840	1015129.0149425	
13			2.0730	1014549.49542587	
14			1.8610	1008177	
15			1.9390	986469.94287143	
16			1.9240	992438.79779779	
17			1.6600	1015145.89333333	
18			1.8510	1017307.84909090	
19			1.7000	1012140.417931	
20			1.9930	1014862.71264368	
Total			38.2180	2007329.2889158	
Average			1.9109	1017566.46348579	

A* w Haversine-2					
Result ID	Start	Destination	Average Time Taken (in milliseconds)	Average Memory Used (in Bytes)	Distance Traveled (in Kilometers)
1	Walter Library (main door)	Boynton Health Service	1.9730	1058496.52873565	0.50003
2			2.0100	1024688.09195402	
3			2.8090	791207.418181818	
4			1.9540	1025506.22941176	
5			1.8170	1021596.48197771	
6			1.7460	1021693.46909091	
7			1.8310	1020366.75	
8			1.7610	1021987.36363636	
9			1.7170	1021537.54545455	
10			1.8390	1020416.56818182	
11			1.6800	1023330.31818182	
12			1.7730	1018789.3	
13			1.8640	1021555.05747126	
14			1.9110	1019172.5	
15			2.0680	1020271.37931634	
16			1.8410	1020552.2288306	
17			1.9120	1021787.65747126	
18			1.7360	1021662.20454545	
19			1.5800	1021236.5	
20			1.7520	1019570	
Total			37.9050	2037225.433498	
Average			1.8953	1011881.27167199	

Breadth-First Search					
Result ID	Start	Destination	Average Time Taken (in milliseconds)	Average Memory Used (in Bytes)	Distance Traveled (in Kilometers)
1	Anderson Hall	University Recreation and Wellness Center	1.0130	295950.409757526	1.1910
2			0.71100	296379.587828866	
3			0.64200	295542.977019688	
4			0.77700	295999.917525773	
5			0.80300	289420	
6			0.82800	289783.58974359	
7			0.88900	289103.428571429	
8			0.74000	292222	
9			0.79000	295625.741935484	
10			0.98400	295236.395746681	
11			0.78000	294766.541666667	
12			0.69900	294683.866679793	
13			0.75700	294396.375	
14			0.61000	295030	
15			0.61200	294488.708333333	
16			0.73900	295241.208333333	
17			0.81000	294606.791666667	
18			0.80200	295481.6875	
19			0.72900	295279.56145299	
20			0.76000	294947.307962938	
Total			15.846	5879579.79062048	
Average			0.7923	293976.889513024	

Breadth-First Search-1					
Result ID	Start	Destination	Average Time Taken (in milliseconds)	Average Memory Used (in Bytes)	Distance Traveled (in Kilometers)
1	Eddy Hall	Frontier Hall	1.4950	567465.52688172	1.6189
2			2.1280	531333.111111111	
3			1.6230	346587.068493151	
4			1.4060	353103.170212766	
5			1.5210	333770.16632979	
6			1.5250	353358.763977467	
7			1.4510	352364.159578946	
8			1.5850	354958.708333333	
9			1.4560	354482.791666667	
10			1.7220	355050.821052652	
11			1.4780	356184.5	
12			1.4890	354448.833333333	
13			1.4720	356217.389473884	
14			1.5450	355938.125	
15			1.8680	357577.25	
16			1.6500	357199.3261579	
17			1.8070	357062.25	
18			1.3860	356729.726315789	
19			1.5450	356514.291666667	
20			1.6290	357109.3261579	
Total			32.7280	7094979.27910033	
Average			1.6664	357478.663959507	

Breadth-First Search-2					
Result ID	Start	Destination	Average Time Taken (in milliseconds)	Average Memory Used (in Bytes)	Distance Traveled (in Kilometers)
1	Walter Library (main door)	Boynton Health Service	1.4950	596547.804147826	0.5006
2			1.0710	567918.894758842	
3			0.9610	567917.72727273	
4			1.3400	566908.709672149	
5			1.3620	578653.919667742	
6			1.3170	669017.25022581	
7			1.2390	570524.10537634	
8			1.2730	570779.468892473	
9			1.2940	573217.28401075	
10			1.3490	576052.23609194	
11			1.3960	576190.19345387	
12			1.3460	571305.225808452	
13			1.0750	576117.806461663	
14			1.4820	571227.02253605	
15			1.2620	569560.167086774	
16			1.3020	571791.52683172	
17			1.4850	584804.45714286	
18			1.5580	558699.07692307	
19			1.2910	567465.13935484	
20			1.5270	570737.46711428	
Total			27.7070	11329097.6255991	
Average			1.3899	566044.851278855	