

1: Performance by approach

Approach	NB	SB	NE	SW	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	7.6	6.0	6.7	8.0	7.1
Stop Del/Veh (s)	3.5	1.9	4.3	5.4	3.5
Stop/Veh	0.57	0.34	0.60	0.70	0.53
Avg Speed (kph)	24	25	16	15	22
HC Emissions (g)	2	1	0	1	5
CO Emissions (g)	59	51	10	29	150
NOx Emissions (g)	7	7	1	4	19

2: Performance by approach

Approach	SB	NE	SW	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	6.5	1.1	0.8	2.0
Stop Del/Veh (s)	5.4	0.0	0.0	0.9
Stop/Veh	0.38	0.00	0.00	0.07
Avg Speed (kph)	13	36	45	34
HC Emissions (g)	0	2	3	5
CO Emissions (g)	8	43	76	128
NOx Emissions (g)	1	6	8	15

8: Performance by approach

Approach	EB	WB	NE	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	1.5	2.7	11.2	3.7
Stop Del/Veh (s)	0.0	0.8	10.4	2.1
Stop/Veh	0.00	0.13	0.39	0.13
Avg Speed (kph)	46	28	9	33
HC Emissions (g)	7	2	0	9
CO Emissions (g)	148	49	10	207
NOx Emissions (g)	21	6	1	28

Total Network Performance

Denied Del/Veh (s)	0.5
Total Del/Veh (s)	11.4
Stop Del/Veh (s)	4.0
Stop/Veh	0.45
Avg Speed (kph)	36
HC Emissions (g)	146
CO Emissions (g)	4805
NOx Emissions (g)	493

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - Nod 10 - an 2045

Intersection: 1:

Movement	NB	NB	NB	SB	SB	SB	NE	NE	SW	SW
Directions Served	L	T	>	L	T	>	L	>	L	>
Maximum Queue (m)	35.1	16.2	9.1	16.4	16.8	9.0	15.6	29.3	21.3	24.6
Average Queue (m)	24.9	7.3	8.4	14.5	9.8	7.4	12.4	16.4	12.3	21.6
95th Queue (m)	42.2	17.9	9.7	19.1	23.1	10.2	17.0	27.5	24.4	26.9
Link Distance (m)	92.2	92.2		74.3	74.3		32.3	32.3	35.9	35.9
Upstream Blk Time (%)								0		
Queuing Penalty (veh)								1		
Storage Bay Dist (m)			1.0			1.0				
Storage Blk Time (%)		1	2		1	2				
Queuing Penalty (veh)		2	10		1	10				

Intersection: 2:

Movement	SB
Directions Served	R
Maximum Queue (m)	47.2
Average Queue (m)	27.7
95th Queue (m)	55.4
Link Distance (m)	26.2
Upstream Blk Time (%)	13
Queuing Penalty (veh)	65
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Queuing and Blocking Report

Baseline

Centura metropolitana Cluj - Napoca

Anexa 2 - Nod 10 - an 2045

Intersection: 8:

Movement	WB	WB	NE	B17
Directions Served	T	TR	R	T
Maximum Queue (m)	22.2	49.6	46.1	28.2
Average Queue (m)	4.4	17.4	32.6	5.6
95th Queue (m)	19.1	45.5	52.3	24.2
Link Distance (m)	52.4	52.4	21.9	261.0
Upstream Blk Time (%)		0	27	
Queuing Penalty (veh)		0	147	
Storage Bay Dist (m)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 9: Bend

Movement	EB
Directions Served	T
Maximum Queue (m)	5.7
Average Queue (m)	1.1
95th Queue (m)	4.9
Link Distance (m)	52.4
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 236