

1: Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.5	0.2	0.0	0.0	0.2
Total Del/Veh (s)	6.7	15.5	5.3	14.9	10.0
Stop Del/Veh (s)	2.3	11.7	2.5	12.1	6.5
Stop/Veh	0.40	0.73	0.54	0.73	0.58
Avg Speed (kph)	30	23	17	11	22
HC Emissions (g)	3	5	2	0	10
CO Emissions (g)	144	192	43	16	395
NOx Emissions (g)	12	16	6	2	36

2: Performance by approach

Approach	NB	SB	NW	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	0.4	0.8	0.8	0.7
Stop Del/Veh (s)	0.0	0.0	0.5	0.1
Stop/Veh	0.00	0.00	0.12	0.02
Avg Speed (kph)	48	34	17	37
HC Emissions (g)	1	1	0	2
CO Emissions (g)	12	16	5	33
NOx Emissions (g)	2	2	1	5

3: Performance by approach

Approach	NB	SB	SE	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	1.5	0.5	1.0	1.2
Stop Del/Veh (s)	0.0	0.0	0.6	0.2
Stop/Veh	0.00	0.00	0.14	0.04
Avg Speed (kph)	28	49	16	34
HC Emissions (g)	2	2	0	4
CO Emissions (g)	32	51	4	88
NOx Emissions (g)	4	8	1	12

Total Network Performance

Denied Del/Veh (s)	0.3
Total Del/Veh (s)	11.6
Stop Del/Veh (s)	4.9
Stop/Veh	0.44
Avg Speed (kph)	37
HC Emissions (g)	121
CO Emissions (g)	4103
NOx Emissions (g)	405

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - Nod 7 - an 2045

Intersection: 1:

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	LT	>	LT	>	L	L	>	L	L	>
Maximum Queue (m)	16.9	22.4	60.8	23.9	46.2	34.2	9.1	34.2	23.7	7.6
Average Queue (m)	13.6	17.6	35.8	17.1	19.1	23.8	6.7	21.6	15.8	3.0
95th Queue (m)	19.5	23.1	60.2	31.8	42.0	35.1	12.5	32.9	23.6	9.2
Link Distance (m)	156.4	156.4	201.8	201.8	28.1	28.1		49.0	49.0	
Upstream Blk Time (%)					2	1				
Queuing Penalty (veh)					6	4				
Storage Bay Dist (m)							1.0			1.0
Storage Blk Time (%)						5	2		9	0
Queuing Penalty (veh)						3	6		1	0

Intersection: 2:

Movement	NW
Directions Served	R
Maximum Queue (m)	23.0
Average Queue (m)	11.6
95th Queue (m)	27.9
Link Distance (m)	8.2
Upstream Blk Time (%)	4
Queuing Penalty (veh)	17
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Queuing and Blocking Report

Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - Nod 7 - an 2045

Intersection: 3:

Movement	SE	B17
Directions Served	R	T
Maximum Queue (m)	22.8	8.4
Average Queue (m)	12.0	1.7
95th Queue (m)	26.7	7.2
Link Distance (m)	8.3	176.3
Upstream Blk Time (%)	6	
Queuing Penalty (veh)	40	
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 78