

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	2.2	1.5	1.0
Total Del/Veh (s)	2.6	2.1	3.3	3.5	3.0
Stop Del/Veh (s)	0.2	0.2	0.0	0.1	0.1
Stop/Veh	0.80	0.28	0.00	0.29	0.36
Avg Speed (kph)	21	23	39	37	35
HC Emissions (g)	0	0	0	3	3
CO Emissions (g)	2	4	2	79	88
NOx Emissions (g)	0	1	0	8	9

2: Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.1
Total Del/Veh (s)	0.6	1.2	3.1	1.1
Stop Del/Veh (s)	0.0	0.0	2.8	0.2
Stop/Veh	0.00	0.00	0.48	0.04
Avg Speed (kph)	47	47	14	46
HC Emissions (g)	5	4	0	10
CO Emissions (g)	147	84	2	232
NOx Emissions (g)	16	13	0	29

3: Performance by approach

Approach	NB	SB	NW	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.1
Total Del/Veh (s)	0.9	0.8	2.2	0.9
Stop Del/Veh (s)	0.0	0.0	1.7	0.1
Stop/Veh	0.00	0.00	0.37	0.02
Avg Speed (kph)	46	47	17	46
HC Emissions (g)	5	6	0	12
CO Emissions (g)	90	160	3	253
NOx Emissions (g)	16	19	0	35

Total Network Performance

Denied Del/Veh (s)	0.4
Total Del/Veh (s)	4.3
Stop Del/Veh (s)	0.3
Stop/Veh	0.12
Avg Speed (kph)	45
HC Emissions (g)	67
CO Emissions (g)	1782
NOx Emissions (g)	203

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 19 - an 2025

Intersection: 1:

Movement	NB	SB	SB	NW	NW
Directions Served	>	L	>	LT	>
Maximum Queue (m)	7.1	9.0	6.9	8.8	12.6
Average Queue (m)	6.9	1.8	4.1	1.8	7.8
95th Queue (m)	7.1	7.7	9.6	7.6	11.8
Link Distance (m)		24.7		196.8	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (m)	1.0		1.0		1.0
Storage Blk Time (%)		0		0	
Queuing Penalty (veh)		0		0	

Intersection: 2:

Movement	SB
Directions Served	R
Maximum Queue (m)	14.8
Average Queue (m)	11.9
95th Queue (m)	17.1
Link Distance (m)	16.8
Upstream Blk Time (%)	1
Queuing Penalty (veh)	2
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 19 - an 2025

Intersection: 3:

Movement	NW
Directions Served	R
Maximum Queue (m)	14.3
Average Queue (m)	9.5
95th Queue (m)	13.5
Link Distance (m)	22.5
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 2
