

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)	4.9	5.8	8.6	6.4	6.1
Stop Del/Veh (s)	1.0	1.6	6.4	3.8	2.6
Stop/Veh	0.35	0.47	0.69	0.59	0.50
Avg Speed (kph)	29	25	13	17	23
HC Emissions (g)	2	2	0	1	5
CO Emissions (g)	52	52	12	20	136
NOx Emissions (g)	7	7	1	2	17

5: Performance by approach

Approach	SB	NE	SW	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	6.0	1.1	0.8	1.8
Stop Del/Veh (s)	5.9	0.0	0.0	0.9
Stop/Veh	0.50	0.00	0.00	0.08
Avg Speed (kph)	8	38	45	35
HC Emissions (g)	0	2	2	4
CO Emissions (g)	9	51	50	110
NOx Emissions (g)	1	6	6	14

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)	0.8	1.5	1.0	1.2
Stop Del/Veh (s)	0.0	0.1	0.0	0.0
Stop/Veh	0.00	0.02	0.03	0.01
Avg Speed (kph)	47	35	22	41
HC Emissions (g)	5	2	0	7
CO Emissions (g)	87	43	4	135
NOx Emissions (g)	15	5	1	21

Total Network Performance

Denied Del/Veh (s)	0.5
Total Del/Veh (s)	8.2
Stop Del/Veh (s)	2.3
Stop/Veh	0.37
Avg Speed (kph)	38
HC Emissions (g)	128
CO Emissions (g)	4127
NOx Emissions (g)	418

Queuing and Blocking Report

Baseline

Centura metropolitana Cluj - Napoca

Anexa 1 - Nod 10 - an 2025

Intersection: 1:

Movement	NB	NB	SB	SB	SB	NE	NE	SW	SW
Directions Served	L	>	L	T	>	L	>	L	>
Maximum Queue (m)	16.8	9.2	21.3	23.4	14.6	21.3	23.6	26.3	22.7
Average Queue (m)	14.4	7.9	14.1	11.7	9.5	16.5	14.5	18.0	16.1
95th Queue (m)	19.1	9.3	22.0	24.9	13.9	20.5	23.1	27.4	25.0
Link Distance (m)	92.2		74.3	74.3		32.3	32.3	35.9	35.9
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (m)		1.0			1.0				
Storage Blk Time (%)		1		4	1				
Queuing Penalty (veh)		3		7	3				

Intersection: 5:

Movement	SB	B15
Directions Served	R	T
Maximum Queue (m)	25.1	9.5
Average Queue (m)	23.8	4.3
95th Queue (m)	27.6	11.1
Link Distance (m)	1.0	105.7
Upstream Blk Time (%)	28	
Queuing Penalty (veh)	119	
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 10 - an 2025

Intersection: 8:

Movement	WB	NE
Directions Served	TR	R
Maximum Queue (m)	20.8	9.3
Average Queue (m)	4.2	3.7
95th Queue (m)	17.9	11.2
Link Distance (m)	70.3	18.9
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 132