

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	1.3	0.4	0.6
Total Del/Veh (s)	4.7	2.0	4.2	9.5	4.7
Stop Del/Veh (s)	2.8	0.3	0.2	5.1	1.5
Stop/Veh	0.55	0.17	0.23	0.51	0.32
Avg Speed (kph)	16	21	27	28	25
HC Emissions (g)	0	0	3	3	6
CO Emissions (g)	7	10	77	69	164
NOx Emissions (g)	1	2	10	8	22

2: Performance by approach

Approach	SB	NE	SW	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.1
Total Del/Veh (s)	5.1	0.9	0.9	1.1
Stop Del/Veh (s)	5.0	0.0	0.0	0.3
Stop/Veh	0.64	0.00	0.00	0.04
Avg Speed (kph)	10	43	47	44
HC Emissions (g)	0	4	6	10
CO Emissions (g)	7	144	112	264
NOx Emissions (g)	1	13	18	32

3: Performance by approach

Approach	NB	NE	SW	All
Denied Del/Veh (s)	0.0	0.0	0.3	0.2
Total Del/Veh (s)	4.2	1.3	1.2	1.7
Stop Del/Veh (s)	3.8	0.0	0.1	0.6
Stop/Veh	0.42	0.00	0.03	0.07
Avg Speed (kph)	12	46	40	40
HC Emissions (g)	0	4	5	9
CO Emissions (g)	6	88	159	253
NOx Emissions (g)	1	13	15	29

Total Network Performance

Denied Del/Veh (s)	0.5
Total Del/Veh (s)	5.6
Stop Del/Veh (s)	1.3
Stop/Veh	0.21
Avg Speed (kph)	41
HC Emissions (g)	95
CO Emissions (g)	2824
NOx Emissions (g)	304

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 13 - an 2025

Intersection: 1:

Movement	NB	NB	SB	SB	SE	SE	NW
Directions Served	L	>	L	>	LT	>	LT
Maximum Queue (m)	28.2	8.5	12.5	8.8	16.8	12.7	26.0
Average Queue (m)	13.6	7.5	5.0	6.2	3.4	9.4	14.3
95th Queue (m)	25.9	8.8	15.1	11.5	14.4	13.7	29.5
Link Distance (m)	20.4		9.5		83.2		172.2
Upstream Blk Time (%)	1		0	2			
Queuing Penalty (veh)	3		1	0			
Storage Bay Dist (m)		1.0		1.0		1.0	
Storage Blk Time (%)	9	0		1	1	0	12
Queuing Penalty (veh)	6	0		0	1	1	0

Intersection: 2:

Movement	SB
Directions Served	R
Maximum Queue (m)	19.5
Average Queue (m)	12.9
95th Queue (m)	22.3
Link Distance (m)	14.3
Upstream Blk Time (%)	6
Queuing Penalty (veh)	15
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca

Anexa 1 - Nod 13 - an 2025

Intersection: 3:

Movement	NB
Directions Served	R
Maximum Queue (m)	26.6
Average Queue (m)	14.5
95th Queue (m)	27.3
Link Distance (m)	18.5
Upstream Blk Time (%)	7
Queuing Penalty (veh)	25
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 53