

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	3.3	0.1	1.5
Total Del/Veh (s)	1.6	2.8	3.6	2.6	2.9
Stop Del/Veh (s)	0.0	0.1	0.1	0.3	0.1
Stop/Veh	0.00	0.75	0.71	0.11	0.49
Avg Speed (kph)	24	24	30	34	30
HC Emissions (g)	0	0	0	0	1
CO Emissions (g)	3	4	13	2	24
NOx Emissions (g)	0	1	1	0	3

2: Performance by approach

Approach	NB	SB	SE	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.1
Total Del/Veh (s)	0.4	0.7	4.3	0.8
Stop Del/Veh (s)	0.0	0.0	4.3	0.3
Stop/Veh	0.00	0.00	0.57	0.04
Avg Speed (kph)	46	46	9	44
HC Emissions (g)	5	4	0	9
CO Emissions (g)	131	79	2	212
NOx Emissions (g)	14	12	0	26

12: Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.1
Total Del/Veh (s)	1.1	0.3	0.0	0.7
Stop Del/Veh (s)	0.0	0.0	0.0	0.0
Stop/Veh	0.00	0.00	0.00	0.00
Avg Speed (kph)	47	46	52	47
HC Emissions (g)	9	3	0	13
CO Emissions (g)	172	114	0	287
NOx Emissions (g)	26	10	0	36

Total Network Performance

Denied Del/Veh (s)	0.4
Total Del/Veh (s)	3.1
Stop Del/Veh (s)	0.3
Stop/Veh	0.10
Avg Speed (kph)	45
HC Emissions (g)	61
CO Emissions (g)	1535
NOx Emissions (g)	179

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 1 - an 2025

Intersection: 1:

Movement	SB	SE	NW
Directions Served	>	>	LT
Maximum Queue (m)	12.1	6.6	8.1
Average Queue (m)	6.4	6.6	1.6
95th Queue (m)	12.8	6.6	6.9
Link Distance (m)			111.7
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (m)	1.0	1.0	
Storage Blk Time (%)			0
Queuing Penalty (veh)			0

Intersection: 2:

Movement	SE
Directions Served	R
Maximum Queue (m)	13.3
Average Queue (m)	9.3
95th Queue (m)	14.6
Link Distance (m)	7.6
Upstream Blk Time (%)	19
Queuing Penalty (veh)	21
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 12:

Movement
Directions Served
Maximum Queue (m)
Average Queue (m)
95th Queue (m)
Link Distance (m)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (m)
Storage Blk Time (%)
Queuing Penalty (veh)

Network Summary

Network wide Queuing Penalty: 21
