

1: Performance by approach

Approach	NB	SB	NE	SW	All
Denied Del/Veh (s)	2.7	1.2	0.0	0.0	0.8
Total Del/Veh (s)	2.9	3.5	6.2	2.8	3.3
Stop Del/Veh (s)	0.0	0.2	3.6	0.0	0.3
Stop/Veh	0.06	0.06	0.70	0.02	0.08
Avg Speed (kph)	31	32	30	32	32
HC Emissions (g)	0	2	1	1	4
CO Emissions (g)	9	74	14	27	124
NOx Emissions (g)	1	9	2	3	15

2: Performance by approach

Approach	EB	WB	SW	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.1
Total Del/Veh (s)	0.3	0.6	1.6	0.5
Stop Del/Veh (s)	0.0	0.0	1.2	0.1
Stop/Veh	0.00	0.00	0.50	0.02
Avg Speed (kph)	47	47	37	47
HC Emissions (g)	3	5	1	9
CO Emissions (g)	95	89	13	197
NOx Emissions (g)	10	14	2	26

3: Performance by approach

Approach	EB	WB	NE	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.1
Total Del/Veh (s)	0.9	1.2	31.4	6.3
Stop Del/Veh (s)	0.0	0.0	30.0	5.2
Stop/Veh	0.00	0.01	0.84	0.15
Avg Speed (kph)	45	40	7	27
HC Emissions (g)	2	4	0	6
CO Emissions (g)	54	130	16	200
NOx Emissions (g)	6	12	1	19

Total Network Performance

Denied Del/Veh (s)	0.4
Total Del/Veh (s)	8.3
Stop Del/Veh (s)	4.6
Stop/Veh	0.17
Avg Speed (kph)	38
HC Emissions (g)	62
CO Emissions (g)	1904
NOx Emissions (g)	199

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 5 - an 2025

Intersection: 1:

Movement	NB	SB	NE	SW
Directions Served	>	LT	L	>
Maximum Queue (m)	5.4	16.2	15.1	12.7
Average Queue (m)	1.1	7.9	10.3	2.5
95th Queue (m)	4.7	19.5	14.3	10.9
Link Distance (m)		112.3	132.2	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (m)	20.0			20.0
Storage Blk Time (%)		0	6	
Queuing Penalty (veh)		0	0	

Intersection: 2:

Movement	SW
Directions Served	R
Maximum Queue (m)	9.3
Average Queue (m)	8.4
95th Queue (m)	9.3
Link Distance (m)	163.2
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 5 - an 2025

Intersection: 3:

Movement	WB	NE
Directions Served	TR	R
Maximum Queue (m)	16.8	79.0
Average Queue (m)	3.4	55.2
95th Queue (m)	14.4	78.6
Link Distance (m)	132.2	70.7
Upstream Blk Time (%)		5
Queuing Penalty (veh)		18
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 18