

1: Performance by approach

Approach	NB	SB	NE	SW	All
Denied Del/Veh (s)	3.0	0.9	0.0	0.0	1.6
Total Del/Veh (s)	4.4	2.5	3.0	2.1	3.3
Stop Del/Veh (s)	0.2	0.0	0.9	0.6	0.4
Stop/Veh	0.71	0.17	0.75	0.20	0.49
Avg Speed (kph)	29	31	18	20	27
HC Emissions (g)	2	0	0	0	3
CO Emissions (g)	80	1	1	14	97
NOx Emissions (g)	8	0	0	2	10

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)	0.2	0.5	0.8	0.3
Stop Del/Veh (s)	0.0	0.0	0.4	0.0
Stop/Veh	0.00	0.00	0.10	0.00
Avg Speed (kph)	47	48	22	46
HC Emissions (g)	2	3	0	5
CO Emissions (g)	56	45	1	102
NOx Emissions (g)	6	8	0	14

3: Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.1
Total Del/Veh (s)	0.8	1.3	1.9	1.2
Stop Del/Veh (s)	0.0	0.0	1.5	0.3
Stop/Veh	0.00	0.00	0.36	0.07
Avg Speed (kph)	47	40	15	40
HC Emissions (g)	4	5	0	9
CO Emissions (g)	75	143	5	223
NOx Emissions (g)	11	14	1	26

Total Network Performance

Denied Del/Veh (s)	0.8
Total Del/Veh (s)	4.2
Stop Del/Veh (s)	0.5
Stop/Veh	0.26
Avg Speed (kph)	41
HC Emissions (g)	53
CO Emissions (g)	1694
NOx Emissions (g)	166

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 18 - an 2025

Intersection: 1:

Movement	NB	SB	NE	NE	SW	SW
Directions Served	>	>	L	>	L	>
Maximum Queue (m)	14.5	6.6	9.1	6.9	16.1	6.8
Average Queue (m)	8.8	1.3	1.8	5.4	11.2	2.7
95th Queue (m)	13.7	5.7	7.8	9.9	21.4	8.1
Link Distance (m)			20.5		16.9	
Upstream Blk Time (%)					1	
Queuing Penalty (veh)					4	
Storage Bay Dist (m)	1.0	1.0		1.0		1.0
Storage Blk Time (%)	0		1		2	
Queuing Penalty (veh)	0		0		0	

Intersection: 2:

Movement	SW
Directions Served	R
Maximum Queue (m)	5.8
Average Queue (m)	1.2
95th Queue (m)	5.0
Link Distance (m)	14.4
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Queuing and Blocking Report Baseline

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Intersection: 3:

Movement	NB
Directions Served	R
Maximum Queue (m)	27.8
Average Queue (m)	16.8
95th Queue (m)	30.8
Link Distance (m)	14.2
Upstream Blk Time (%)	4
Queuing Penalty (veh)	16
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 21
