

1: Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.3	0.2	0.0	0.0	0.2
Total Del/Veh (s)	4.4	8.4	3.1	6.9	5.2
Stop Del/Veh (s)	0.4	4.4	0.5	4.8	1.7
Stop/Veh	0.11	0.51	0.19	0.57	0.27
Avg Speed (kph)	34	31	25	15	30
HC Emissions (g)	5	2	1	0	8
CO Emissions (g)	154	96	26	7	284
NOx Emissions (g)	15	7	4	1	27

2: Performance by approach

Approach	NB	SB	NW	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	0.1	0.3	0.3	0.2
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)	48	42	20	42
HC Emissions (g)	0	1	0	1
CO Emissions (g)	6	19	2	27
NOx Emissions (g)	1	4	0	5

3: Performance by approach

Approach	NB	SB	SE	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	0.9	0.4	0.5	0.6
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)	33	48	19	37
HC Emissions (g)	1	2	0	4
CO Emissions (g)	19	38	9	66
NOx Emissions (g)	2	7	1	10

Total Network Performance

Denied Del/Veh (s)	0.2
Total Del/Veh (s)	6.5
Stop Del/Veh (s)	1.2
Stop/Veh	0.16
Avg Speed (kph)	40
HC Emissions (g)	97
CO Emissions (g)	3048
NOx Emissions (g)	308

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 7 - an 2025

Intersection: 1:

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	LT	>	LT	>	L	L	>	L	>
Maximum Queue (m)	15.6	16.5	29.9	16.1	14.8	8.6	9.4	30.2	6.1
Average Queue (m)	10.3	10.8	22.9	8.7	10.3	1.7	3.2	14.5	1.2
95th Queue (m)	14.7	20.0	35.0	17.2	14.1	7.4	9.9	27.9	5.2
Link Distance (m)	156.4	156.4	201.8	201.8	38.6	38.6		31.0	
Upstream Blk Time (%)								2	
Queuing Penalty (veh)								1	
Storage Bay Dist (m)							1.0		1.0
Storage Blk Time (%)						0	0		
Queuing Penalty (veh)						0	0		

Intersection: 2:

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)

Intersection: 3:

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: 1
