

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	1.3	3.8	1.7
Total Del/Veh (s)	1.3	2.3	3.6	3.7	3.0
Stop Del/Veh (s)	0.0	0.0	0.3	0.1	0.1
Stop/Veh	0.00	0.03	0.29	0.67	0.32
Avg Speed (kph)	23	27	40	40	37
HC Emissions (g)	0	0	0	1	1
CO Emissions (g)	0	9	4	32	45
NOx Emissions (g)	0	1	1	3	5

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)	0.3	0.9	1.5	1.2
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)	29	48	47	48
HC Emissions (g)	0	14	5	19
CO Emissions (g)	0	285	91	377
NOx Emissions (g)	0	39	16	55

3: Performance by approach

Approach	NB	SB	NW	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.1
Total Del/Veh (s)	1.7	0.8	3.5	1.4
Stop Del/Veh (s)	0.0	0.0	2.8	0.2
Stop/Veh	0.00	0.00	0.41	0.03
Avg Speed (kph)	46	46	18	45
HC Emissions (g)	10	3	0	13
CO Emissions (g)	169	129	2	299
NOx Emissions (g)	27	11	0	39

Total Network Performance

Denied Del/Veh (s)	0.4
Total Del/Veh (s)	5.3
Stop Del/Veh (s)	0.2
Stop/Veh	0.07
Avg Speed (kph)	46
HC Emissions (g)	86
CO Emissions (g)	2083
NOx Emissions (g)	262

Queuing and Blocking Report

Baseline

Centura metropolitana Cluj - Napoca

Anexa 1 - Nod 20 - an 2025

Intersection: 1:

Movement	SB	SE	SE	NW
Directions Served	>	LT	>	>
Maximum Queue (m)	6.7	9.0	6.7	7.9
Average Queue (m)	1.3	1.8	1.3	7.1
95th Queue (m)	5.8	7.8	5.8	7.8
Link Distance (m)	259.4			
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (m)	1.0		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)

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 20 - an 2025

Intersection: 3:

Movement	NW
Directions Served	R
Maximum Queue (m)	15.4
Average Queue (m)	12.4
95th Queue (m)	17.0
Link Distance (m)	37.8
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 0
