

1: Performance by approach

Approach	EB	WB	NB	SB	SW	All
Denied Del/Veh (s)	0.0	0.5	0.0	0.0	0.3	0.1
Total Del/Veh (s)	11.0	4.9	4.6	7.4	4.0	6.3
Stop Del/Veh (s)	9.2	1.2	2.5	4.7	0.1	3.4
Stop/Veh	0.68	0.18	0.36	0.44	0.06	0.33
Avg Speed (kph)	14	35	19	18	37	24
HC Emissions (g)	0	1	1	6	4	11
CO Emissions (g)	12	31	13	192	121	370
NOx Emissions (g)	1	2	2	24	12	42

2: Performance by approach

Approach	EB	WB	SW	All
Denied Del/Veh (s)	0.7	0.0	0.0	0.4
Total Del/Veh (s)	3.0	0.6	5.0	3.0
Stop Del/Veh (s)	0.0	0.0	2.9	0.7
Stop/Veh	0.02	0.00	0.37	0.09
Avg Speed (kph)	41	47	23	39
HC Emissions (g)	14	1	1	16
CO Emissions (g)	456	25	16	496
NOx Emissions (g)	46	3	2	51

3: Performance by approach

Approach	NB	SB	SE	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	0.2	1.0	0.0	0.3
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	49	49	49
HC Emissions (g)	2	2	0	4
CO Emissions (g)	41	27	13	81
NOx Emissions (g)	5	6	1	11

4: Performance by approach

Approach	WB	NB	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	3.3	2.6	3.0
Stop Del/Veh (s)	0.7	0.0	0.4
Stop/Veh	0.12	0.00	0.07
Avg Speed (kph)	27	32	28
HC Emissions (g)	1	0	1
CO Emissions (g)	36	9	45
NOx Emissions (g)	5	1	6

9: Performance by approach

Approach	NB	SB	NW	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.1
Total Del/Veh (s)	0.1	0.1	0.7	0.2
Stop Del/Veh (s)	0.0	0.0	0.1	0.0
Stop/Veh	0.00	0.00	0.20	0.02
Avg Speed (kph)	48	23	20	44
HC Emissions (g)	2	0	0	2
CO Emissions (g)	33	16	0	49
NOx Emissions (g)	6	1	0	7

22: Performance by approach

Approach	NB	SE	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	0.3	0.0	0.3
Stop Del/Veh (s)	0.0	0.0	0.0
Stop/Veh	0.00	0.00	0.00
Avg Speed (kph)	38	23	33
HC Emissions (g)	0	0	0
CO Emissions (g)	5	2	7
NOx Emissions (g)	1	0	1

23: Performance by approach

Approach	SB	All
Denied Del/Veh (s)	0.0	0.0
Total Del/Veh (s)	0.6	0.6
Stop Del/Veh (s)	0.2	0.2
Stop/Veh	0.00	0.00
Avg Speed (kph)	29	29
HC Emissions (g)	1	1
CO Emissions (g)	72	72
NOx Emissions (g)	6	6

26: Performance by approach

Approach	NB	SE	All
Denied Del/Veh (s)	0.0	0.0	0.0
Total Del/Veh (s)	0.3	0.6	0.5
Stop Del/Veh (s)	0.1	0.0	0.0
Stop/Veh	0.01	0.00	0.00
Avg Speed (kph)	37	27	32
HC Emissions (g)	5	1	5
CO Emissions (g)	238	17	255
NOx Emissions (g)	16	1	17

Total Network Performance

Denied Del/Veh (s)	0.4
Total Del/Veh (s)	8.6
Stop Del/Veh (s)	2.9
Stop/Veh	0.30
Avg Speed (kph)	37
HC Emissions (g)	104
CO Emissions (g)	3330
NOx Emissions (g)	340

Queuing and Blocking Report Baseline

Centura metropolitana Cluj Napoca
Anexa 1 - nod 6 - an 2025

Intersection: 1:

Movement	EB	EB	WB	NB	NB	SB	SB	SW
Directions Served	LT	>	LTR	<L	TR>	<L	R>	TR>
Maximum Queue (m)	22.3	15.6	15.8	15.7	14.0	58.3	21.8	13.4
Average Queue (m)	12.4	8.7	8.5	8.6	4.6	27.8	11.0	6.1
95th Queue (m)	24.9	16.9	16.8	16.9	14.2	53.8	23.3	14.8
Link Distance (m)	47.6	47.6	168.2	37.2	37.2	85.2	85.2	204.4
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (m)								
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 2:

Movement	EB	SW
Directions Served	TR	R
Maximum Queue (m)	15.3	28.1
Average Queue (m)	4.8	20.4
95th Queue (m)	15.1	32.4
Link Distance (m)	337.3	80.6
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)

Intersection: 4:

Movement

WB

Directions Served

L

Maximum Queue (m)

8.6

Average Queue (m)

1.7

95th Queue (m)

7.4

Link Distance (m)

47.6

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 6 - an 2025

Intersection: 9:

Movement	NW
Directions Served	R
Maximum Queue (m)	9.3
Average Queue (m)	1.9
95th Queue (m)	8.0
Link Distance (m)	14.0
Upstream Blk Time (%)	0
Queuing Penalty (veh)	0
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 22:

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: 23:

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: 26:

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: 0