

### 1: Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.5	0.3
Total Del/Veh (s)	1.7	2.1	3.1	2.7
Stop Del/Veh (s)	0.0	0.0	0.0	0.0
Stop/Veh	0.00	0.00	0.08	0.05
Avg Speed (kph)	25	28	33	32
HC Emissions (g)	0	0	0	1
CO Emissions (g)	0	8	24	32
NOx Emissions (g)	0	1	2	3

### 5: Performance by approach

Approach	EB	WB	SW	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.1
Total Del/Veh (s)	0.2	0.7	14.9	0.5
Stop Del/Veh (s)	0.0	0.0	15.0	0.1
Stop/Veh	0.00	0.00	1.00	0.01
Avg Speed (kph)	48	47	5	47
HC Emissions (g)	6	5	0	11
CO Emissions (g)	139	90	0	230
NOx Emissions (g)	17	15	0	31

### 11: Performance by approach

Approach	EB	WB	NE	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.1
Total Del/Veh (s)	0.4	1.1	5.3	1.1
Stop Del/Veh (s)	0.0	0.0	5.0	0.4
Stop/Veh	0.00	0.00	0.67	0.05
Avg Speed (kph)	45	45	10	43
HC Emissions (g)	3	9	0	12
CO Emissions (g)	53	223	2	278
NOx Emissions (g)	9	26	0	35

### Total Network Performance

Denied Del/Veh (s)	0.2
Total Del/Veh (s)	3.9
Stop Del/Veh (s)	0.5
Stop/Veh	0.06
Avg Speed (kph)	45
HC Emissions (g)	83
CO Emissions (g)	1926
NOx Emissions (g)	241

Intersection: 1:

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: 5:

Movement

SW

Directions Served

R

Maximum Queue (m)

7.9

Average Queue (m)

3.0

95th Queue (m)

9.2

Link Distance (m)

14.2

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 8 - an 2025

### Intersection: 11:

Movement	NE
Directions Served	R
Maximum Queue (m)	21.3
Average Queue (m)	13.5
95th Queue (m)	21.5
Link Distance (m)	14.4
Upstream Blk Time (%)	5
Queuing Penalty (veh)	9
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

### Network Summary

Network wide Queuing Penalty: 9
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