

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	1.5	2.2	0.7
Total Del/Veh (s)	2.2	2.5	3.8	7.3	3.1
Stop Del/Veh (s)	0.6	0.0	0.0	4.8	0.2
Stop/Veh	0.22	0.06	0.31	1.00	0.22
Avg Speed (kph)	21	29	34	23	31
HC Emissions (g)	0	1	2	0	3
CO Emissions (g)	7	21	79	0	107
NOx Emissions (g)	1	3	8	0	11

2: Performance by approach

Approach	NB	SB	SE	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.1
Total Del/Veh (s)	0.4	0.5	1.2	0.5
Stop Del/Veh (s)	0.0	0.0	0.7	0.1
Stop/Veh	0.00	0.00	0.10	0.01
Avg Speed (kph)	45	48	20	45
HC Emissions (g)	2	2	0	4
CO Emissions (g)	93	28	2	123
NOx Emissions (g)	7	5	0	13

### 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)	0.6	0.6	2.2	0.9
Stop Del/Veh (s)	0.0	0.0	1.4	0.3
Stop/Veh	0.00	0.00	0.25	0.05
Avg Speed (kph)	48	41	20	42
HC Emissions (g)	2	3	0	4
CO Emissions (g)	31	84	6	121
NOx Emissions (g)	5	7	1	14

### Total Network Performance

Denied Del/Veh (s)	0.5
Total Del/Veh (s)	3.7
Stop Del/Veh (s)	0.5
Stop/Veh	0.15
Avg Speed (kph)	42
HC Emissions (g)	52
CO Emissions (g)	1681
NOx Emissions (g)	161

## Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca  
Anexa 1 - Nod 17 - an 2025

### Intersection: 1:

Movement	NB	SB	SE	NW	NW
Directions Served	L	>	>	LT	>
Maximum Queue (m)	9.2	12.4	7.1	8.8	8.4
Average Queue (m)	7.0	4.7	6.6	3.0	1.7
95th Queue (m)	12.8	14.1	7.0	9.2	7.3
Link Distance (m)	19.6	56.1		99.1	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (m)			1.0		1.0
Storage Blk Time (%)	1		0	1	1
Queuing Penalty (veh)	0		0	0	0

### Intersection: 2:

Movement	SE
Directions Served	R
Maximum Queue (m)	7.7
Average Queue (m)	4.5
95th Queue (m)	10.6
Link Distance (m)	23.2
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3:

Movement	NB
Directions Served	R
Maximum Queue (m)	19.8
Average Queue (m)	16.1
95th Queue (m)	19.7
Link Distance (m)	34.9
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 0
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