

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.1	0.1
Total Del/Veh (s)	2.2	2.2	2.7	3.0	2.5
Stop Del/Veh (s)	0.0	0.0	0.1	0.6	0.1
Stop/Veh	0.00	0.00	0.05	0.25	0.04
Avg Speed (kph)	32	28	28	29	29
HC Emissions (g)	0	2	0	0	2
CO Emissions (g)	2	42	18	1	63
NOx Emissions (g)	0	6	2	0	9

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)	2.6	0.3	0.4	0.4
Stop Del/Veh (s)	2.4	0.0	0.0	0.1
Stop/Veh	0.38	0.00	0.00	0.01
Avg Speed (kph)	34	48	47	47
HC Emissions (g)	0	4	2	6
CO Emissions (g)	1	107	25	133
NOx Emissions (g)	0	12	5	17

### 3: Performance by approach

Approach	NB	NE	SW	All
Denied Del/Veh (s)	0.0	0.0	0.3	0.1
Total Del/Veh (s)	7.3	0.6	1.1	1.6
Stop Del/Veh (s)	5.8	0.0	0.0	0.6
Stop/Veh	0.70	0.00	0.00	0.08
Avg Speed (kph)	29	47	42	41
HC Emissions (g)	1	4	7	11
CO Emissions (g)	22	61	199	282
NOx Emissions (g)	2	11	19	32

### Total Network Performance

Denied Del/Veh (s)	0.2
Total Del/Veh (s)	3.8
Stop Del/Veh (s)	0.7
Stop/Veh	0.08
Avg Speed (kph)	44
HC Emissions (g)	74
CO Emissions (g)	1921
NOx Emissions (g)	219

## Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca  
Anexa 2 - Nod 4 - an 2045

### Intersection: 1:

Movement	SE	NW
Directions Served	LT	L
Maximum Queue (m)	9.1	8.9
Average Queue (m)	3.7	3.6
95th Queue (m)	11.0	10.8
Link Distance (m)	70.1	85.4
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

### Intersection: 2:

Movement	SB
Directions Served	R
Maximum Queue (m)	7.8
Average Queue (m)	4.4
95th Queue (m)	10.3
Link Distance (m)	147.3
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)	28.7
Average Queue (m)	22.0
95th Queue (m)	28.8
Link Distance (m)	185.7
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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