

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.1	1.6	0.9	0.9
Total Del/Veh (s)	3.0	6.0	5.6	8.9	6.2
Stop Del/Veh (s)	1.6	4.4	0.9	4.1	2.7
Stop/Veh	0.32	0.79	0.44	0.59	0.55
Avg Speed (kph)	16	13	30	29	26
HC Emissions (g)	1	0	1	1	4
CO Emissions (g)	14	10	79	84	186
NOx Emissions (g)	2	1	7	6	16

2: Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.3	0.0	0.0	0.2
Total Del/Veh (s)	1.2	1.0	5.0	1.4
Stop Del/Veh (s)	0.0	0.0	4.9	0.4
Stop/Veh	0.00	0.00	0.45	0.04
Avg Speed (kph)	45	46	11	44
HC Emissions (g)	10	12	0	22
CO Emissions (g)	248	195	2	446
NOx Emissions (g)	30	33	0	63

3: Performance by approach

Approach	NB	SB	NW	All
Denied Del/Veh (s)	0.0	0.3	0.0	0.1
Total Del/Veh (s)	1.4	2.1	9.6	2.6
Stop Del/Veh (s)	0.0	0.0	8.8	0.9
Stop/Veh	0.00	0.00	0.61	0.06
Avg Speed (kph)	46	42	10	41
HC Emissions (g)	7	17	0	24
CO Emissions (g)	151	380	5	535
NOx Emissions (g)	22	45	0	67

Total Network Performance

Denied Del/Veh (s)	0.6
Total Del/Veh (s)	7.6
Stop Del/Veh (s)	2.2
Stop/Veh	0.32
Avg Speed (kph)	41
HC Emissions (g)	146
CO Emissions (g)	3862
NOx Emissions (g)	442

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - nod 15 - an 2045

Intersection: 1:

Movement	NB	SB	SB	B5	SE	SE	NW	NW
Directions Served	L	L	>	T	LT	>	LT	>
Maximum Queue (m)	15.6	37.8	19.3	14.0	29.4	14.4	34.9	9.1
Average Queue (m)	10.9	15.5	10.9	2.8	12.7	8.8	19.6	6.4
95th Queue (m)	20.7	36.0	17.9	12.1	28.9	13.7	33.3	11.7
Link Distance (m)	14.9	22.8		196.7	129.0		174.3	
Upstream Blk Time (%)	2	7	0					
Queuing Penalty (veh)	5	22	0					
Storage Bay Dist (m)			1.0			1.0		1.0
Storage Blk Time (%)	5	8	2		2	0	13	1
Queuing Penalty (veh)	0	18	2		6	1	13	2

Intersection: 2:

Movement	SB
Directions Served	R
Maximum Queue (m)	19.2
Average Queue (m)	9.4
95th Queue (m)	17.5
Link Distance (m)	7.0
Upstream Blk Time (%)	19
Queuing Penalty (veh)	51
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca

Anexa 2 - nod 15 - an 2045

Intersection: 3:

Movement	NW
Directions Served	R
Maximum Queue (m)	40.3
Average Queue (m)	20.3
95th Queue (m)	36.8
Link Distance (m)	22.8
Upstream Blk Time (%)	8
Queuing Penalty (veh)	22
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 141