

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	1.3	0.3	0.2
Total Del/Veh (s)	4.5	2.5	5.2	3.6	3.3
Stop Del/Veh (s)	3.3	0.1	1.6	0.1	0.3
Stop/Veh	0.50	0.08	0.57	0.06	0.11
Avg Speed (kph)	12	27	38	40	37
HC Emissions (g)	0	1	0	3	4
CO Emissions (g)	1	22	4	100	127
NOx Emissions (g)	0	3	0	11	15

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)	1.6	1.2	2.1	1.6
Stop Del/Veh (s)	1.4	0.0	0.0	0.0
Stop/Veh	0.50	0.00	0.00	0.00
Avg Speed (kph)	25	47	46	46
HC Emissions (g)	0	15	11	25
CO Emissions (g)	0	299	165	464
NOx Emissions (g)	0	41	29	70

3: Performance by approach

Approach	NB	SB	NW	All
Denied Del/Veh (s)	0.0	0.3	0.0	0.2
Total Del/Veh (s)	2.5	1.8	13.7	3.5
Stop Del/Veh (s)	0.0	0.0	12.7	1.5
Stop/Veh	0.00	0.00	0.67	0.08
Avg Speed (kph)	44	42	9	39
HC Emissions (g)	10	8	0	19
CO Emissions (g)	186	232	11	429
NOx Emissions (g)	29	26	1	56

Total Network Performance

Denied Del/Veh (s)	0.3
Total Del/Veh (s)	8.1
Stop Del/Veh (s)	1.3
Stop/Veh	0.09
Avg Speed (kph)	44
HC Emissions (g)	137
CO Emissions (g)	3265
NOx Emissions (g)	402

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - Nod 20 - an 2045

Intersection: 1:

Movement	NB	SB	SB	SE	SE	NW
Directions Served	L	L	>	LT	>	>
Maximum Queue (m)	9.2	9.2	7.0	9.0	8.5	9.3
Average Queue (m)	3.7	1.8	1.4	1.8	3.0	5.5
95th Queue (m)	11.2	7.9	6.0	7.7	9.3	13.0
Link Distance (m)	12.1	36.9		259.5		275.2
Upstream Blk Time (%)	1					
Queuing Penalty (veh)	0					
Storage Bay Dist (m)			1.0		1.0	
Storage Blk Time (%)	2	0		1	0	
Queuing Penalty (veh)	0	0		0	0	

Intersection: 2:

Movement	SB
Directions Served	R
Maximum Queue (m)	7.3
Average Queue (m)	1.5
95th Queue (m)	6.3
Link Distance (m)	56.8
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 2 - Nod 20 - an 2045

Intersection: 3:

Movement	NW
Directions Served	R
Maximum Queue (m)	46.9
Average Queue (m)	33.6
95th Queue (m)	55.7
Link Distance (m)	37.8
Upstream Blk Time (%)	9
Queuing Penalty (veh)	30
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 31
