

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	1.3	0.9	0.5
Total Del/Veh (s)	2.6	3.4	5.1	4.0	3.5
Stop Del/Veh (s)	0.3	1.3	2.0	0.1	0.4
Stop/Veh	0.69	0.39	0.60	0.16	0.39
Avg Speed (kph)	21	18	34	36	33
HC Emissions (g)	1	0	0	3	4
CO Emissions (g)	14	2	6	112	134
NOx Emissions (g)	2	0	0	11	14

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)	1.7	1.4	8.2	2.4
Stop Del/Veh (s)	0.0	0.0	8.2	1.1
Stop/Veh	0.00	0.00	0.55	0.07
Avg Speed (kph)	44	46	8	41
HC Emissions (g)	8	9	0	17
CO Emissions (g)	242	162	6	411
NOx Emissions (g)	26	26	1	53

3: Performance by approach

Approach	NB	SB	NW	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.1
Total Del/Veh (s)	1.3	0.9	3.8	1.2
Stop Del/Veh (s)	0.0	0.0	3.5	0.1
Stop/Veh	0.00	0.00	0.82	0.03
Avg Speed (kph)	46	47	14	46
HC Emissions (g)	5	12	0	17
CO Emissions (g)	100	267	3	370
NOx Emissions (g)	17	34	0	51

Total Network Performance

Denied Del/Veh (s)	0.4
Total Del/Veh (s)	6.9
Stop Del/Veh (s)	1.4
Stop/Veh	0.22
Avg Speed (kph)	43
HC Emissions (g)	113
CO Emissions (g)	3083
NOx Emissions (g)	350

Queuing and Blocking Report

Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - Nod 19 - an 2045

Intersection: 1:

Movement	NB	SB	SB	SE	SE	NW	NW
Directions Served	>	L	>	LT	>	LT	>
Maximum Queue (m)	18.8	9.2	6.6	9.0	6.7	9.1	12.1
Average Queue (m)	10.9	5.4	1.3	5.4	2.6	3.6	6.5
95th Queue (m)	18.1	12.6	5.7	12.6	7.8	10.8	12.9
Link Distance (m)		24.7		174.3		196.8	
Upstream Blk Time (%)	0						
Queuing Penalty (veh)	0						
Storage Bay Dist (m)	1.0		1.0		1.0		1.0
Storage Blk Time (%)	1	2		2		1	
Queuing Penalty (veh)	0	0		0		0	

Intersection: 2:

Movement	SB	B16
Directions Served	R	T
Maximum Queue (m)	39.2	31.8
Average Queue (m)	23.5	8.9
95th Queue (m)	41.0	29.4
Link Distance (m)	16.8	249.2
Upstream Blk Time (%)	22	
Queuing Penalty (veh)	78	
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - Nod 19 - an 2045

Intersection: 3:

Movement	NW
Directions Served	R
Maximum Queue (m)	15.0
Average Queue (m)	9.7
95th Queue (m)	14.1
Link Distance (m)	22.5
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 80
