

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	1.3	1.2	0.7
Total Del/Veh (s)	4.1	2.4	4.5	3.9	4.0
Stop Del/Veh (s)	1.9	0.8	0.2	0.2	0.8
Stop/Veh	0.79	0.18	0.27	0.32	0.43
Avg Speed (kph)	18	19	32	33	28
HC Emissions (g)	0	0	1	1	3
CO Emissions (g)	13	5	72	41	131
NOx Emissions (g)	2	1	6	4	13

2: Performance by approach

Approach	SB	NE	SW	All
Denied Del/Veh (s)	0.0	0.4	0.0	0.2
Total Del/Veh (s)	5.4	1.8	1.3	1.8
Stop Del/Veh (s)	5.2	0.0	0.0	0.3
Stop/Veh	0.64	0.00	0.00	0.04
Avg Speed (kph)	10	44	47	44
HC Emissions (g)	0	10	7	17
CO Emissions (g)	2	255	125	382
NOx Emissions (g)	0	28	24	52

3: Performance by approach

Approach	NB	NE	SW	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.1
Total Del/Veh (s)	5.4	1.4	1.2	1.7
Stop Del/Veh (s)	5.2	0.0	0.0	0.5
Stop/Veh	0.61	0.00	0.00	0.06
Avg Speed (kph)	10	46	46	45
HC Emissions (g)	0	5	10	16
CO Emissions (g)	4	116	242	361
NOx Emissions (g)	0	17	30	47

Total Network Performance

Denied Del/Veh (s)	0.5
Total Del/Veh (s)	6.4
Stop Del/Veh (s)	1.0
Stop/Veh	0.24
Avg Speed (kph)	43
HC Emissions (g)	106
CO Emissions (g)	3051
NOx Emissions (g)	338

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - Nod 14 - an 2045

Intersection: 1:

Movement	NB	NB	B6	SB	SB	SE	SE	NW	NW
Directions Served	L	>	T	L	>	LT	>	LT	>
Maximum Queue (m)	44.1	14.7	14.2	14.9	9.1	15.2	8.2	9.4	21.9
Average Queue (m)	13.3	10.4	2.8	6.6	3.5	4.8	6.9	5.3	8.4
95th Queue (m)	42.4	14.8	12.2	16.2	10.5	15.0	8.0	12.5	20.3
Link Distance (m)	22.3		291.3	11.0		126.4		120.4	
Upstream Blk Time (%)	2			2	1				
Queuing Penalty (veh)	11			3	0				
Storage Bay Dist (m)		1.0			1.0		1.0		1.0
Storage Blk Time (%)	1	2		1	1	1	0	0	0
Queuing Penalty (veh)	4	1		1	1	1	0	0	0

Intersection: 2:

Movement	SB
Directions Served	R
Maximum Queue (m)	26.0
Average Queue (m)	12.3
95th Queue (m)	28.0
Link Distance (m)	15.5
Upstream Blk Time (%)	4
Queuing Penalty (veh)	5
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - Nod 14 - an 2045

Intersection: 3:

Movement	NB	B15
Directions Served	R	T
Maximum Queue (m)	29.0	8.7
Average Queue (m)	17.6	1.7
95th Queue (m)	27.8	7.4
Link Distance (m)	4.8	291.6
Upstream Blk Time (%)	24	
Queuing Penalty (veh)	47	
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 74