

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	0.6	0.4	0.3
Total Del/Veh (s)	1.8	2.9	4.8	5.2	3.7
Stop Del/Veh (s)	0.1	0.2	1.7	1.8	1.0
Stop/Veh	0.04	0.96	0.43	0.36	0.39
Avg Speed (kph)	23	23	27	28	26
HC Emissions (g)	1	0	0	2	4
CO Emissions (g)	18	10	20	49	96
NOx Emissions (g)	3	1	2	5	12

2: Performance by approach

Approach	NB	SB	SE	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.1
Total Del/Veh (s)	0.8	0.8	13.6	2.3
Stop Del/Veh (s)	0.0	0.0	13.9	1.7
Stop/Veh	0.00	0.00	0.37	0.04
Avg Speed (kph)	41	45	4	35
HC Emissions (g)	3	3	1	6
CO Emissions (g)	104	66	12	183
NOx Emissions (g)	9	9	1	19

3: Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.1
Total Del/Veh (s)	0.9	0.5	5.1	1.1
Stop Del/Veh (s)	0.0	0.0	4.6	0.5
Stop/Veh	0.00	0.00	0.58	0.06
Avg Speed (kph)	47	43	12	43
HC Emissions (g)	3	3	0	6
CO Emissions (g)	64	123	3	190
NOx Emissions (g)	10	10	0	21

Total Network Performance

Denied Del/Veh (s)	0.3
Total Del/Veh (s)	5.8
Stop Del/Veh (s)	2.4
Stop/Veh	0.22
Avg Speed (kph)	40
HC Emissions (g)	66
CO Emissions (g)	2084
NOx Emissions (g)	208

Queuing and Blocking Report

Baseline

Centura metropolitana Cluj - Napoca

Anexa 2 - nod 12 - an 2045

Intersection: 1:

Movement	NB	SB	SE	SE	NW
Directions Served	L	>	LT	>	LT
Maximum Queue (m)	9.0	12.3	23.4	6.6	36.3
Average Queue (m)	1.8	8.2	12.5	3.9	13.9
95th Queue (m)	7.7	11.6	25.4	9.2	34.2
Link Distance (m)	11.1		98.3		111.7
Upstream Blk Time (%)	0				
Queuing Penalty (veh)	1				
Storage Bay Dist (m)		1.0		1.0	
Storage Blk Time (%)	0	0	5		5
Queuing Penalty (veh)	1	0	4		0

Intersection: 2:

Movement	SE	B17
Directions Served	R	T
Maximum Queue (m)	30.0	21.0
Average Queue (m)	22.4	11.8
95th Queue (m)	31.3	27.8
Link Distance (m)	9.0	88.3
Upstream Blk Time (%)	39	
Queuing Penalty (veh)	128	
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report Baseline

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Intersection: 3:

Movement	NB
Directions Served	R
Maximum Queue (m)	21.0
Average Queue (m)	14.3
95th Queue (m)	23.4
Link Distance (m)	23.5
Upstream Blk Time (%)	0
Queuing Penalty (veh)	1
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 135