

1: Performance by approach

Approach	NB	SB	SE	NW	All
Denied Del/Veh (s)	0.0	0.0	1.5	0.4	0.5
Total Del/Veh (s)	7.4	4.9	4.2	11.9	7.0
Stop Del/Veh (s)	5.5	3.0	0.3	7.1	4.0
Stop/Veh	0.79	0.69	0.27	0.45	0.55
Avg Speed (kph)	12	13	28	25	21
HC Emissions (g)	1	0	1	2	4
CO Emissions (g)	19	6	37	92	155
NOx Emissions (g)	2	1	5	7	15

2: Performance by approach

Approach	SB	NE	SW	All
Denied Del/Veh (s)	0.0	0.3	0.0	0.2
Total Del/Veh (s)	8.6	4.1	1.1	3.3
Stop Del/Veh (s)	8.5	0.5	0.0	0.9
Stop/Veh	0.58	0.11	0.00	0.10
Avg Speed (kph)	7	33	46	36
HC Emissions (g)	0	9	8	17
CO Emissions (g)	3	249	157	409
NOx Emissions (g)	0	25	22	48

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)	11.1	1.2	1.4	2.3
Stop Del/Veh (s)	11.3	0.0	0.0	1.1
Stop/Veh	0.57	0.00	0.01	0.06
Avg Speed (kph)	6	46	39	39
HC Emissions (g)	0	10	5	15
CO Emissions (g)	5	167	156	328
NOx Emissions (g)	0	27	16	44

Total Network Performance

Denied Del/Veh (s)	0.5
Total Del/Veh (s)	10.3
Stop Del/Veh (s)	3.7
Stop/Veh	0.43
Avg Speed (kph)	38
HC Emissions (g)	129
CO Emissions (g)	3776
NOx Emissions (g)	411

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - Nod 13 - an 2045

Intersection: 1:

Movement	NB	NB	SB	SB	SE	SE	NW
Directions Served	L	>	L	>	LT	>	LT
Maximum Queue (m)	38.9	9.0	23.7	9.2	17.1	8.0	49.1
Average Queue (m)	26.8	8.2	16.9	9.1	7.0	6.9	26.7
95th Queue (m)	40.7	9.5	23.5	9.2	17.6	7.8	59.6
Link Distance (m)	20.4		9.5		90.0		172.2
Upstream Blk Time (%)	19		7	20			
Queuing Penalty (veh)	101		26	0			
Storage Bay Dist (m)		1.0		1.0		1.0	
Storage Blk Time (%)	21	1	1	12	1	0	16
Queuing Penalty (veh)	26	3	5	0	1	1	0

Intersection: 2:

Movement	SB	NE
Directions Served	R	TR
Maximum Queue (m)	19.0	44.8
Average Queue (m)	15.1	22.2
95th Queue (m)	20.2	46.5
Link Distance (m)	14.3	139.5
Upstream Blk Time (%)	12	
Queuing Penalty (veh)	23	
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Queuing and Blocking Report Baseline

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Intersection: 3:

Movement	NB	B15
Directions Served	R	T
Maximum Queue (m)	27.4	26.8
Average Queue (m)	22.1	6.4
95th Queue (m)	30.9	23.5
Link Distance (m)	3.2	231.5
Upstream Blk Time (%)	39	
Queuing Penalty (veh)	121	
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 307