

1: Performance by approach

Approach	NB	SB	NE	SW	All
Denied Del/Veh (s)	3.1	1.5	0.0	0.0	1.5
Total Del/Veh (s)	6.1	3.1	3.6	2.6	4.4
Stop Del/Veh (s)	0.9	0.4	1.6	1.0	1.0
Stop/Veh	0.79	0.17	0.90	0.27	0.57
Avg Speed (kph)	26	30	17	18	23
HC Emissions (g)	4	0	0	1	5
CO Emissions (g)	109	1	2	29	141
NOx Emissions (g)	12	0	0	5	17

2: Performance by approach

Approach	EB	WB	SW	All
Denied Del/Veh (s)	0.2	0.0	0.0	0.1
Total Del/Veh (s)	0.6	0.9	6.5	1.1
Stop Del/Veh (s)	0.0	0.0	6.3	0.4
Stop/Veh	0.00	0.00	0.71	0.04
Avg Speed (kph)	44	46	11	43
HC Emissions (g)	3	3	0	6
CO Emissions (g)	100	59	5	164
NOx Emissions (g)	9	9	1	19

3: Performance by approach

Approach	EB	WB	NB	All
Denied Del/Veh (s)	0.0	0.3	0.0	0.2
Total Del/Veh (s)	1.2	2.8	7.1	3.1
Stop Del/Veh (s)	0.0	0.0	6.8	1.3
Stop/Veh	0.00	0.01	0.57	0.11
Avg Speed (kph)	46	36	8	35
HC Emissions (g)	5	5	1	11
CO Emissions (g)	104	199	15	318
NOx Emissions (g)	16	17	2	35

Total Network Performance

Denied Del/Veh (s)	0.8
Total Del/Veh (s)	7.8
Stop Del/Veh (s)	2.0
Stop/Veh	0.38
Avg Speed (kph)	39
HC Emissions (g)	91
CO Emissions (g)	3050
NOx Emissions (g)	296

Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca
Anexa 2 - Nod 18 - an 2045

Intersection: 1:

Movement	NB	NB	SB	NE	NE	SW	SW
Directions Served	LT	>	LT	L	>	L	>
Maximum Queue (m)	25.1	14.7	8.7	16.2	9.0	16.6	6.9
Average Queue (m)	16.9	10.8	1.7	5.0	6.6	9.7	1.4
95th Queue (m)	32.0	15.8	7.5	15.9	12.2	22.9	5.9
Link Distance (m)	106.0		87.7	20.5		16.9	
Upstream Blk Time (%)				0		4	
Queuing Penalty (veh)				0		22	
Storage Bay Dist (m)		1.0			1.0		1.0
Storage Blk Time (%)		3	0	2	1	5	
Queuing Penalty (veh)		3	0	2	0	1	

Intersection: 2:

Movement	SW
Directions Served	R
Maximum Queue (m)	17.5
Average Queue (m)	10.6
95th Queue (m)	17.8
Link Distance (m)	14.4
Upstream Blk Time (%)	3
Queuing Penalty (veh)	3
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Queuing and Blocking Report Baseline

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Intersection: 3:

Movement	WB	NB	B15
Directions Served	TR	R	T
Maximum Queue (m)	16.4	33.0	27.8
Average Queue (m)	3.3	29.8	13.3
95th Queue (m)	14.1	32.6	28.0
Link Distance (m)	140.4	14.2	215.5
Upstream Blk Time (%)	39		
Queuing Penalty (veh)	230		
Storage Bay Dist (m)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 260