

### 1: Performance by approach

Approach	NB	SB	NE	SW	All
Denied Del/Veh (s)	1.4	2.4	0.0	0.0	1.4
Total Del/Veh (s)	4.4	5.4	4.1	3.1	4.6
Stop Del/Veh (s)	0.9	0.4	0.8	0.1	0.4
Stop/Veh	0.18	0.08	0.65	0.07	0.15
Avg Speed (kph)	28	24	34	31	27
HC Emissions (g)	1	3	1	1	7
CO Emissions (g)	21	100	24	40	185
NOx Emissions (g)	3	14	4	6	27

### 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	1.0	8.6	2.1
Stop Del/Veh (s)	0.0	0.0	6.5	1.1
Stop/Veh	0.00	0.00	0.62	0.11
Avg Speed (kph)	44	47	23	41
HC Emissions (g)	3	8	1	12
CO Emissions (g)	112	132	17	261
NOx Emissions (g)	10	21	2	33

### 3: Performance by approach

Approach	EB	WB	NE	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.1
Total Del/Veh (s)	0.6	1.3	70.9	16.6
Stop Del/Veh (s)	0.0	0.0	73.2	16.3
Stop/Veh	0.00	0.00	0.55	0.12
Avg Speed (kph)	46	40	4	17
HC Emissions (g)	1	6	5	12
CO Emissions (g)	35	179	97	310
NOx Emissions (g)	4	18	7	28

### Total Network Performance

Denied Del/Veh (s)	0.9
Total Del/Veh (s)	18.4
Stop Del/Veh (s)	14.1
Stop/Veh	0.30
Avg Speed (kph)	31
HC Emissions (g)	102
CO Emissions (g)	2920
NOx Emissions (g)	308

## Queuing and Blocking Report

### Baseline

Centura metropolitana Cluj - Napoca  
Anexa 2 - Nod 5 - an 2045

#### Intersection: 1:

Movement	NB	NB	SB	NE	NE	SW	SW
Directions Served	LT	>	LT	L	>	L	>
Maximum Queue (m)	8.9	22.8	22.5	9.1	15.2	8.5	21.6
Average Queue (m)	5.1	4.6	10.8	5.2	10.4	1.7	11.6
95th Queue (m)	12.0	19.6	25.8	12.2	19.2	7.3	22.9
Link Distance (m)	79.0		82.6	132.2		78.2	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (m)		20.0			10.0		20.0
Storage Blk Time (%)		0	1	3	0		0
Queuing Penalty (veh)		0	4	5	0		0

#### Intersection: 2:

Movement	SW
Directions Served	R
Maximum Queue (m)	42.4
Average Queue (m)	28.6
95th Queue (m)	43.9
Link Distance (m)	130.8
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

## Queuing and Blocking Report

### Baseline

Centura metropolitana Cluj - Napoca  
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#### Intersection: 3:

Movement	NE	B13
Directions Served	R	T
Maximum Queue (m)	131.9	51.4
Average Queue (m)	102.2	28.8
95th Queue (m)	161.9	68.2
Link Distance (m)	95.5	39.0
Upstream Blk Time (%)	63	17
Queuing Penalty (veh)	314	82
Storage Bay Dist (m)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Network Summary

Network wide Queuing Penalty: 406