

1: Performance by approach

Approach	NB	SB	NE	SW	All
Denied Del/Veh (s)	1.6	0.5	0.0	0.0	0.3
Total Del/Veh (s)	3.9	3.4	2.7	3.1	3.1
Stop Del/Veh (s)	0.4	0.0	0.3	0.6	0.1
Stop/Veh	0.50	0.00	0.13	0.50	0.10
Avg Speed (kph)	33	34	26	25	32
HC Emissions (g)	0	1	1	0	2
CO Emissions (g)	4	70	22	1	98
NOx Emissions (g)	0	6	3	0	10

2: Performance by approach

Approach	EB	WB	SW	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	0.8	1.0	0.5	0.9
Stop Del/Veh (s)	0.0	0.0	0.0	0.0
Stop/Veh	0.00	0.00	0.00	0.00
Avg Speed (kph)	38	45	20	41
HC Emissions (g)	2	8	0	10
CO Emissions (g)	40	186	4	229
NOx Emissions (g)	6	25	1	32

### 3: Performance by approach

Approach	NB	NE	SW	All
Denied Del/Veh (s)	1.6	0.0	0.2	0.2
Total Del/Veh (s)	4.5	0.7	0.4	0.8
Stop Del/Veh (s)	5.0	0.0	0.0	0.3
Stop/Veh	0.33	0.00	0.00	0.02
Avg Speed (kph)	5	46	47	44
HC Emissions (g)	0	4	7	11
CO Emissions (g)	1	72	174	247
NOx Emissions (g)	0	12	21	33

### Total Network Performance

Denied Del/Veh (s)	0.4
Total Del/Veh (s)	4.7
Stop Del/Veh (s)	0.3
Stop/Veh	0.05
Avg Speed (kph)	43
HC Emissions (g)	99
CO Emissions (g)	2788
NOx Emissions (g)	318

## Queuing and Blocking Report Baseline

Centura metropolitana Cluj - Napoca  
Anexa 2 - Nod 11 - an 2045

### Intersection: 1:

Movement	NB	NB	NE	NE	SW	SW
Directions Served	LT	>	L	>	L	>
Maximum Queue (m)	8.8	6.4	16.1	8.6	9.1	6.9
Average Queue (m)	1.8	2.5	6.8	3.1	1.8	2.6
95th Queue (m)	7.6	7.7	17.0	9.4	7.9	7.9
Link Distance (m)	129.5		37.8		37.4	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (m)		1.0		1.0		1.0
Storage Blk Time (%)	0		1	0	0	
Queuing Penalty (veh)	0		0	0	0	

### Intersection: 2:

Movement
Directions Served
Maximum Queue (m)
Average Queue (m)
95th Queue (m)
Link Distance (m)
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  
Anexa 2 - Nod 11 - an 2045

### Intersection: 3:

Movement	NB
Directions Served	R
Maximum Queue (m)	15.7
Average Queue (m)	10.7
95th Queue (m)	14.9
Link Distance (m)	11.8
Upstream Blk Time (%)	5
Queuing Penalty (veh)	1
Storage Bay Dist (m)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

### Network Summary

Network wide Queuing Penalty: 2