

HCM 2010 Roundabout  
Intersectia 1:

Centura metropolitana Cluj - Napoca  
Anexa 1 - Nod 17 - an 2025

Intersection						
Intersection Delay, s/veh	6.1					
Intersection LOS	A					
Approach	EB	WB	NB	SB	SE	
Entry Lanes	0	0	2	1	2	
Conflicting Circle Lanes	2	2	2	2	2	
Adj Approach Flow, veh/h	0	0	184	345	409	
Demand Flow Rate, veh/h	0	0	188	352	417	
Vehicles Circulating, veh/h	243	193	243	193	5	
Vehicles Exiting, veh/h	179	243	0	0	540	
Follow-Up Headway, s	3.186	3.186	3.186	3.186	3.186	
Ped Vol Crossing Leg, #/h	0	0	0	0	0	
Ped Cap Adj	1.000	1.000	1.000	1.000	1.000	
Approach Delay, s/veh	0.0	0.0	5.8	7.6	5.0	
Approach LOS	-	-	A	A	A	
Lane	Left	Right	Left	Left	Right	Left
Designated Moves	L	TR	R	LT	R	LT
Assumed Moves	L	TR	R	LT	R	LT
RT Channelized						
Lane Util	0.973	0.027	1.000	0.583	0.417	0.667
Critical Headway, s	4.293	4.113	4.113	4.293	4.113	4.293
Entry Flow, veh/h	183	5	352	243	174	10
Cap Entry Lane, veh/h	942	953	987	1126	1126	824
Entry HV Adj Factor	0.978	1.000	0.980	0.979	0.983	0.990
Flow Entry, veh/h	179	5	345	238	171	10
Cap Entry, veh/h	921	953	968	1102	1107	816
V/C Ratio	0.194	0.005	0.357	0.216	0.155	0.012
Control Delay, s/veh	5.8	3.8	7.6	5.2	4.6	4.5
LOS	A	A	A	A	A	A
95th %tile Queue, veh	1	0	2	1	1	0

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Intersection

Intersection Delay, s/veh

Intersection LOS

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Approach	NW
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Entry Lanes	2
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Conflicting Circle Lanes	2
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Adj Approach Flow, veh/h	15
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Demand Flow Rate, veh/h	15
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Vehicles Circulating, veh/h	421
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Vehicles Exiting, veh/h	10
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Follow-Up Headway, s	3.186
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Ped Vol Crossing Leg, #/h	0
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Ped Cap Adj	1.000
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Approach Delay, s/veh	4.5
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Approach LOS	A
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Lane	Right
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Designated Moves	R
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Assumed Moves	R
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RT Channelized

Lane Util	0.333
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Critical Headway, s	4.113
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Entry Flow, veh/h	5
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Cap Entry Lane, veh/h	842
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Entry HV Adj Factor	1.000
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Flow Entry, veh/h	5
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Cap Entry, veh/h	842
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V/C Ratio	0.006
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Control Delay, s/veh	4.3
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LOS	A
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95th %tile Queue, veh	0
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