

HCM 2010 Roundabout
Intersectia 1:

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 6 - an 2025

Intersection									
Intersection Delay, s/veh	12.1								
Intersection LOS	B								
Approach	EB		WB		NB		SB		NE
Entry Lanes	2		1		2		2		0
Conflicting Circle Lanes	3		3		3		3		3
Adj Approach Flow, veh/h	150		160		237		977		0
Demand Flow Rate, veh/h	153		163		241		996		0
Vehicles Circulating, veh/h	1016		638		728		182		728
Vehicles Exiting, veh/h	162		331		0		585		441
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	12.4		9.8		11.1		12.3		0.0
Approach LOS	B		A		B		B		-
Lane	Left	Right	Left	Left	Right	Left	Right	Left	
Designated Moves	LT	R	LTR	L	TR	L	TR	L	
Assumed Moves	LT	R	LTR	L	TR	L	TR	L	
RT Channelized									
Lane Util	0.667	0.333	1.000	0.212	0.788	0.629	0.371	0.000	
Critical Headway, s	5.193	5.193	5.193	5.193	5.193	5.193	5.193	5.193	
Entry Flow, veh/h	102	51	163	51	190	626	370	0	
Cap Entry Lane, veh/h	409	409	597	546	546	942	942	901	
Entry HV Adj Factor	0.980	0.980	0.982	0.980	0.983	0.980	0.981	1.000	
Flow Entry, veh/h	100	50	160	50	187	614	363	0	
Cap Entry, veh/h	401	401	586	535	536	923	924	901	
V/C Ratio	0.249	0.125	0.273	0.093	0.348	0.665	0.393	0.000	
Control Delay, s/veh	13.2	10.9	9.8	7.9	12.0	14.6	8.4	4.0	
LOS	B	B	A	A	B	B	A	A	
95th %tile Queue, veh	1	0	1	0	2	5	2	0	

Intersection

Intersection Delay, s/veh

Intersection LOS

Approach SW

Entry Lanes 2

Conflicting Circle Lanes 3

Adj Approach Flow, veh/h 531

Demand Flow Rate, veh/h 541

Vehicles Circulating, veh/h 226

Vehicles Exiting, veh/h 575

Follow-Up Headway, s 3.186

Ped Vol Crossing Leg, #/h 0

Ped Cap Adj 1.000

Approach Delay, s/veh 13.0

Approach LOS B

Lane Right

Designated Moves TR

Assumed Moves TR

RT Channelized

Lane Util 1.000

Critical Headway, s 5.193

Entry Flow, veh/h 541

Cap Entry Lane, veh/h 901

Entry HV Adj Factor 0.981

Flow Entry, veh/h 531

Cap Entry, veh/h 884

V/C Ratio 0.600

Control Delay, s/veh 13.0

LOS B

95th %tile Queue, veh 4

HCM 2010 Roundabout
Intersectia 4:

Centura metropolitana Cluj - Napoca
Anexa 1 - Nod 6 - an 2025

Intersection					
Intersection Delay, s/veh	4.1				
Intersection LOS	A				
Approach	EB	WB	NB		
Entry Lanes	1	2	2		
Conflicting Circle Lanes	2	2	2		
Adj Approach Flow, veh/h	5	159	145		
Demand Flow Rate, veh/h	5	162	148		
Vehicles Circulating, veh/h	153	0	5		
Vehicles Exiting, veh/h	9	153	153		
Follow-Up Headway, s	3.186	3.186	3.186		
Ped Vol Crossing Leg, #/h	0	0	0		
Ped Cap Adj	1.000	1.000	1.000		
Approach Delay, s/veh	3.7	3.9	4.4		
Approach LOS	A	A	A		
Lane	Left	Left	Right	Left	Right
Designated Moves	TR	L	LTR	L	TR
Assumed Moves	TR	L	LTR	L	TR
RT Channelized					
Lane Util	1.000	0.531	0.469	0.000	1.000
Critical Headway, s	4.113	4.293	4.113	4.293	4.113
Entry Flow, veh/h	5	86	76	0	148
Cap Entry Lane, veh/h	1015	1130	1130	1126	1126
Entry HV Adj Factor	0.980	0.979	0.982	1.000	0.980
Flow Entry, veh/h	5	84	75	0	145
Cap Entry, veh/h	995	1106	1110	1126	1103
V/C Ratio	0.005	0.076	0.067	0.000	0.131
Control Delay, s/veh	3.7	3.9	3.8	3.2	4.4
LOS	A	A	A	A	A
95th %tile Queue, veh	0	0	0	0	0