

HCM 2010 Roundabout  
Intersectia 1:

Centura metropolitana Cluj Napoca  
Anexa 2 - nod 6 - an 2045

Intersection									
Intersection Delay, s/veh	20.4								
Intersection LOS	C								
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		207		248		1203		0
Demand Flow Rate, veh/h	153		211		253		1228		0
Vehicles Circulating, veh/h	1387		555		590		322		590
Vehicles Exiting, veh/h	162		288		0		516		950
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	20.2		10.0		9.5		26.7		0.0
Approach LOS	C		A		A		D		-
Lane	Left	Right	Left	Left	Right	Left	Right	Left	Left
Designated Moves	LT	R	LTR	L	TR	L	TR	L	L
Assumed Moves	LT	R	LTR	L	TR	L	TR	L	L
RT Channelized									
Lane Util	0.667	0.333	1.000	0.202	0.798	0.397	0.603	0.000	0.000
Critical Headway, s	5.193	5.193	5.193	5.193	5.193	5.193	5.193	5.193	5.193
Entry Flow, veh/h	102	51	211	51	202	488	740	0	0
Cap Entry Lane, veh/h	282	282	649	626	626	819	819	866	866
Entry HV Adj Factor	0.980	0.980	0.981	0.980	0.980	0.980	0.980	1.000	1.000
Flow Entry, veh/h	100	50	207	50	198	478	725	0	0
Cap Entry, veh/h	277	277	636	614	614	802	802	866	866
V/C Ratio	0.361	0.181	0.325	0.081	0.322	0.596	0.904	0.000	0.000
Control Delay, s/veh	22.0	16.8	10.0	6.8	10.2	13.9	35.2	4.2	4.2
LOS	C	C	A	A	B	B	E	A	A
95th %tile Queue, veh	2	1	1	0	1	4	12	0	0

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Intersection

Intersection Delay, s/veh

Intersection LOS

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Approach SW

Entry Lanes 2

Conflicting Circle Lanes 3

Adj Approach Flow, veh/h 561

Demand Flow Rate, veh/h 572

Vehicles Circulating, veh/h 266

Vehicles Exiting, veh/h 500

Follow-Up Headway, s 3.186

Ped Vol Crossing Leg, #/h 0

Ped Cap Adj 1.000

Approach Delay, s/veh 15.4

Approach LOS C

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Lane Right

Designated Moves TR

Assumed Moves TR

RT Channelized

Lane Util 1.000

Critical Headway, s 5.193

Entry Flow, veh/h 572

Cap Entry Lane, veh/h 866

Entry HV Adj Factor 0.981

Flow Entry, veh/h 561

Cap Entry, veh/h 849

V/C Ratio 0.660

Control Delay, s/veh 15.4

LOS C

95th %tile Queue, veh 5

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